

Hangar 1 Data Summary Submittal

High Occupancy Area of Zone 8

Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

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Acronyms and Abbreviations

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 8 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 8 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 seen 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 74 wipe samples collected from within the High Occupancy Area of Zone 8 was approximately 190 micrograms per square foot (µg/ft^2), which is less than the numeric Cleanup Goal for lead (i.e., less than [<] 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., less than or equal to [≤] 10 ug/100 cm^2), in any of the confirmation wipe samples collected from within the High Occupancy Area of Zone 8.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the High Occupancy Area of Zone 8 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 8.

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 8 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 8 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 Low Occupancy Areas within Enclosures A, B, C, and Enclosure D of Zone 8 which is included in the data summary submittal report prepared by Rincon for the Low Occupancy Area of Zone 8 (Rincon, 2024).

[1] The High Occupancy Area of Zone 8 includes the area below the arch pin (i.e., below 55-feet) in Enclosures A, B, and C.

[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 • Collection and analysis of wipe confirmation samples	• No visible paint remains • Achievement of NACE 3/SSPC SP-6 surface preparation and visible cleanliness standard • 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 results (Section 2.2) indicate that the Project Cleanup Goals have been met and no additional abatement is necessary within the High Occupancy Area of Zone 8.

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 8, 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 of the High Occupancy Areas of Zone 8 was completed on August 5, 2024.

2.2.1 Abatement and Sampling Efforts

A total of 113 confirmation wipe samples were collected from the High Occupancy Area of Zone 8, including QC samples (i.e., field blank samples and field duplicate samples). Of the 113 confirmation wipe samples and QC samples, 92 were lead wipe samples and 21 were PCB wipe samples,[4] including:

- 74 lead confirmation wipe samples and 15 PCB confirmation wipe samples;
- Five lead media blanks;[5]
- Five lead field blank samples and three PCB field blank samples; and,
- Eight lead duplicate confirmation wipe samples and three 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 Lead Re-Abatement and Re-Sampling Efforts

Within Zone 8 Enclosure A, lead was detected at concentrations that exceeded the Cleanup Goal at 11 locations ranging from 250 µg/ft^2 to 800 µg/ft^2. Although the reported concentrations were not greater than 5-times the Cleanup Goal for lead, and less than 10-percent of the analytical results within the High Occupancy Area were greater than 3-times the Cleanup Goal, Certified Coatings Company (CCC) and McCarthy opted to re-abate the 11 locations with elevated lead confirmation wipe sampling results within Zone 8 Enclosure A. The approximately 1,000 square foot areas represented by each of these sample locations were re-abated, re-cleaned, and re-sampled, which resulted in the collection of 11 additional lead confirmation wipe samples and one additional duplicate lead confirmation wipe sample.

Within Zone 8 Enclosure B, lead was detected at concentrations that exceeded the Cleanup Goal in 17 samples ranging from 290 µg/ft^2 to 940 µg/ft^2. Although the reported concentrations were not greater than 5-times the Cleanup Goal for lead, and less than 10-percent of the analytical results within the High Occupancy Area were greater than 3-times the Cleanup Goal, CCC and McCarthy opted to re-abate the five locations exhibiting the highest lead concentrations. The approximately 1,000 square foot areas represented by each of the five sample locations were re-abated, re-cleaned, and re-sampled, which resulted in the collection of five additional lead confirmation wipe samples and one additional duplicate lead confirmation wipe sample.

Within Zone 8 Enclosure C, lead was detected at concentrations that exceeded the Cleanup Goal in ten samples. However, re-abatement of these locations was not required as the overall 95-percent upper confidence limit (UCL) for the mean lead concentration within the high occupancy portions of Enclosures A, B, and C in Zone 8 did not exceed the Cleanup Goal for lead.

As seen in Table 1, lead concentrations in the confirmation wipe samples collected following re-abatement were below the Cleanup Goal. As PCBs were not detected in any of the confirmation wipe samples, re-abatement due to elevated PCB concentrations was not necessary and additional confirmation wipe sampling for PCBs was not conducted following re-abatement in Zone 8 Enclosure A or Zone 8 Enclosure B.

[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.

Table 1 Lead Wipe Re-Abatement Summary

Initial Sample ID	Initial Lead Concentration (µg/ft²)	Lead Concentration After Re-Abatement (µg/ft²)
Zone 8 Enclosure A		
DOOR-S-15.2GE-PS-17-240627-G	300	4.9
DOOR-S-15.4GE-INT-16 TO 17-240627-CB	500	26
DOOR-S-15.3GE-DG-3 TO 16-240627-LA	320	9.8
DOOR-S-15.3GE-DG-2 TO 16-240627-LA	300	11
DOOR-S-15.2GE-PS-16-240627-G	500	5.2
AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-SS	800	11
DOOR-S-15.2GE-DG-1 TO 2-240627-LA	250	14
DOOR-S-15.1GE-EXT-3 TO 4-240627-CB	370	6.8
DOOR-S-15.3GE-DG-4 TO 17-240627-LA	270	11
DOOR-S-15.3GE-DG-4 TO 17-240627-DUP-LA	190	4.6
DOOR-S-15.4GE-PS-17-240627-G	350	4.2
DOOR-S-15.1GE-DG-3 TO 17-240627-LA	380	6.0
Zone 8 Enclosure B		
DOOR-S-15.8GW-DG-3 TO 16-240731-LA	510	10
DOOR-S-15.7GW-EXT-2 TO 3-240731-CB	940	11
DOOR-S-15.6GE-PS-16-240731-G	510	16
DOOR-S-15.9GE-INT-1 TO 16-240731-CB	420	14
DOOR-S-15.9GE-INT-1 TO 16-240731-DUP-CB	290	13
DOOR-S-15.7GW-DG-1' TO 2-240731-LA	430	38

2.2.3 PCB Re-Abatement and Re-Sampling Efforts

On June 27, 2024, Rincon collected PCB confirmation wipe samples within the high occupancy area of Zone 8 Enclosure A in accordance with the 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). On July 2, 2024 (i.e., four business days from receipt of the samples at the analytical laboratory), Enthalpy Analytical (Enthalpy) notified Rincon that the Quality Assurance (QA)/QC procedures outlined in the UFP-QAPP were not followed when analyzing the PCB confirmation wipe samples in SDG# 510951 (i.e., the appropriate LCS and LCSD samples were not created) (Attachment 3). As a result, the Project Team directed Enthalpy to terminate the analytical process, which included preparing the PCB confirmation wipe sampling report. The locations within Zone 8 Enclosure A were then re-abated and re-sampled on July 8, 2024,[6] which resulted in the collection of seven additional PCB confirmation wipe samples, including a duplicate sample and a field blank sample. PCBs were not detected above the laboratory reporting limit in the confirmation wipe re-samples collected on July 8, 2024.

2.2.4 Evaluation of the Confirmation Wipe Sampling Data

Upon completion of confirmation wipe sampling activities within the High Occupancy Area of Zone 8, a total of 19 of the lead confirmation wipe samples collected, or approximately 26-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft²; 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

[6] The re-abated and re-sampled locations are identified in Attachment 2 by Note [e].

blank samples, and the lower of the duplicate sampling results[7] were not included in the calculation of the 95-percent UCL. As shown in Table 2, the 95-percent UCL of the mean lead concentration (i.e., approximately 190 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 ≤ 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 8.

Table 2 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	190 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 for confirmation wipe samples were below laboratory QLs.

[7] 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.

Field audits by Rincon's field manager, which included a review of the field sampling protocols, were conducted on May 14 and July 16, 2024. During these audits, 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. The results of the field audits indicated that the field activities 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 8 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 966 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 3.

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). Table 4 provides a summary of the total number of confirmation wipe samples and field QC samples for PCBs within the High Occupancy Area of Zone 8.

[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 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 8	72, 438 ft^2			
Samples Collected	74	8	5	5
Actual Frequency	1 sample per every 966 ft^2 of abated steel	11%	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 4 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	10%	5%
Anticipated Number of Samples	40	4	4
Samples Collected	40	4 [10%]	4 [10%]

Notes:
[a] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP.
[b] For PCB samples collected within Zone 8, the frequency followed the NTCRA Work Plan's proposed reduced frequency of 10 samples plus one duplicate sample per enclosure. The 15 confirmation wipe samples, three field duplicate samples, and three field blank samples collected within the High Occupancy Area of Zone 8 are shown in Attachment 2. The remaining 25 PCB confirmation wipe samples and the associated QC samples were collected within the Low Occupancy Area of Zone 8 and are discussed in the Data Summary Submittal for the Low Occupancy Area of Zone 8 (Rincon, 2024).

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 44 samples and Stage 2A validation was conducted on the remaining 69 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 5, all lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

Table 5 Laboratory Duplicate Sample Summary

Laboratory QC Sample	No. of Lab QC Samples Analyzed	MPC	No. of Lab QC Samples Exceeding MPC	Percentage of Laboratory QC Samples That Exceeded the MPC
LCS/LCSD – Lead	8	RPD ≤20%	0	0%
LCS/LCSD – PCB	3	RPD ≤20%	0	0%
Notes: LCS: Laboratory Control Spike LCSD: Laboratory Control Spike Duplicate				

3.3.2 Field Duplicate Samples

As seen in Table 6, 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 6 Field Duplicate Sample Summary

Analyte – Sample Type	No. of Field Duplicate Samples Collected	MPC	No. of Field Duplicate Samples in Exceedance of the MPC	Percentage of Field Replicate Samples That Exceeded the MPC
Lead – Wipe	8	RPD ≤100%	0	0%
PCB – Wipe	3	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 7, 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 7 Laboratory QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	No. of Samples Outside of the MPC	Percentage of Samples That Do Not Meet MPC
Lead LCS and LCSD	16	%R 80-120%	0	0%
Lead Method Blank Samples	8	<QL	0	0%
PCB LCS and LCSD	6	%R 60-140%	0	0%
PCB Method Blank Samples	3	<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.

All PCB samples had TCMX and DCB surrogate recoveries that were within the laboratory defined limits.

3.4.3 Field QC Samples

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

Table 8 Field QC Sample Summary

Field QC Samples	No. of Samples Analyzed	MPC	Percentage of Samples That Do Not Meet MPC
Lead Field Blank Samples	5	<10 µg/ft^2	0%
Lead Media Blank Samples [a]	5	<QL	0%
PCB Field Blank Samples	3	<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 8. 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 all five of the field blank samples collected; however, the results did not exceed the MPC of <10 µg/ft^2 and the reported results for the field blank samples were more than 30 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 concentrations are likely impacting all the confirmation wipe samples and as a result are likely biasing the lead confirmation wipe sampling results high.

[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 negligible to small 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.

As the reported lead results in the confirmation wipe samples were more than 5-times greater than the reported lead concentrations in the associated field blank samples, 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 8.

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 8:

- Field audits, which included a review of the field sampling protocols, were conducted on May 14 and July 16, 2024. Based on the results of the field audits, the sample collection procedures were being 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 9, 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.[12]

[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.

[12] The first set of PCB samples collected in the High Occupancy Area of Zone 8 Enclosure A were not reported due to laboratory analytical issues and are not included in the completeness evaluation. See Section 2.2.3 for additional details.

Table 9 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - Measurement Performance Criteria
Lead – Wipe	74	100%	0%	>90%
PCB – Wipe	15	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 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 8) 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 8, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audits conducted on May 14 and July 16, 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 10, the laboratory specific QLs outlined in the UFP-QAPP were 0.50 µg/ft^2 for lead and 0.50 µg/100 cm^2 for PCBs. For the lead confirmation wipe samples, the QL limits were equal to or below the laboratory specific QL in all but one sample and in the one sample that was not, the reported QL only slightly exceeded the laboratory specific QL (i.e., 0.52 ug/ft^2 versus 0.50 ug/ft^2) and because the reported lead concentration in this sample was 440 ug/ft2, the slightly elevated QL in this sample did not impact the data quality, despite exceeding the MPC listed in the UFP-QAPP. The remainder of the lead confirmation wipe samples had QLs that were below the laboratory specific QLs as identified in the UFP-QAPP. The QLs for all the PCB confirmation wipe samples met the laboratory specific QLs outlined in the UFP-QAPP.

Table 10 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	0.50 µg/ft^2	0.52 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	0.50 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 8 was approximately 190 µg/ft^2, which is below the Cleanup Goal for lead (i.e., <250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples 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 8.

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 8 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 8.

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 8, Former Naval Air Station Moffett Field, California.* November 2024.

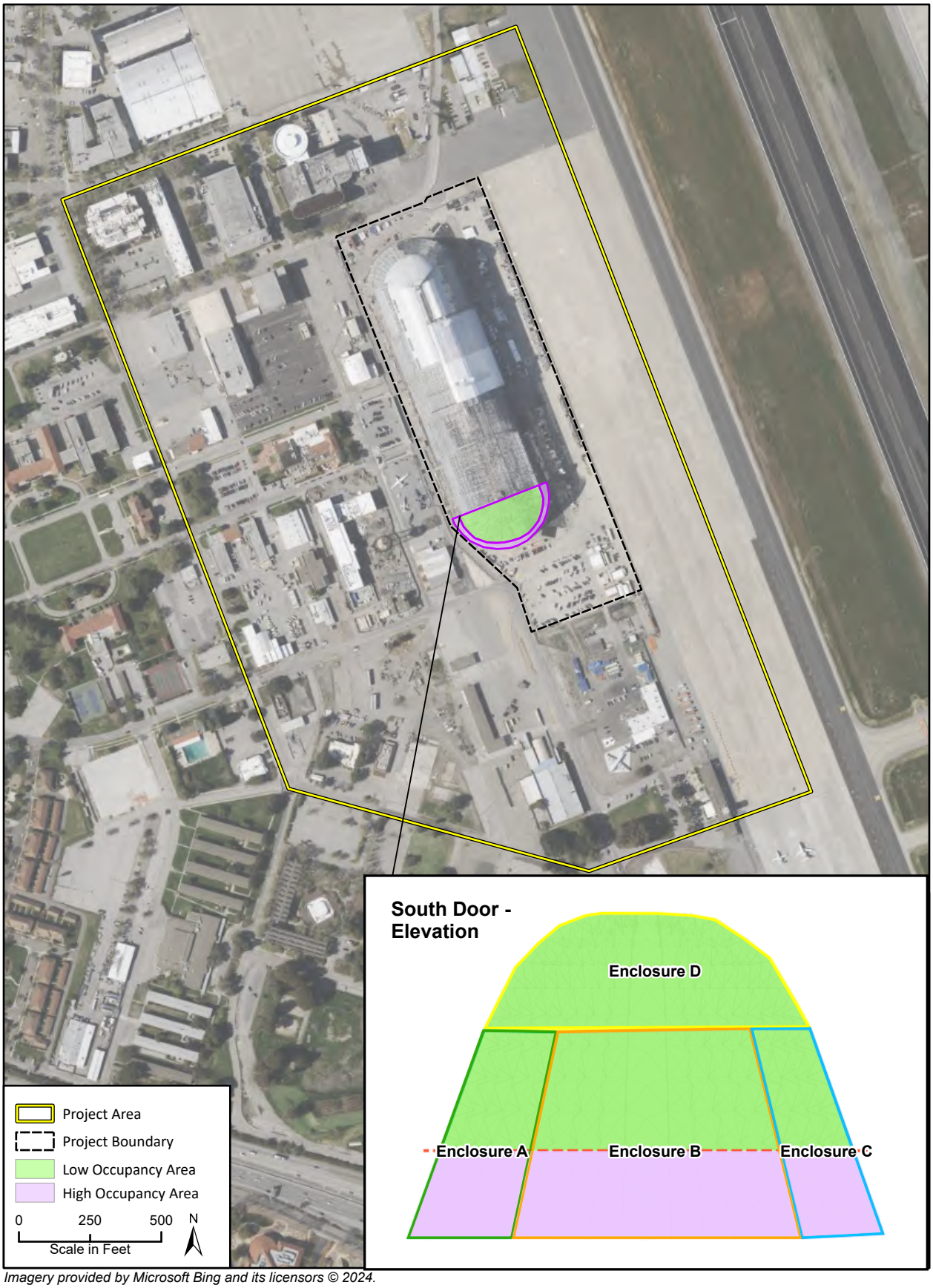
Rincon. 2023a. *Hangar 1 Data Summary Submittal; High Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California.* March 2023.

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 8

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	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Wednesday, June 12, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8A		MOFFETT FIELD CA.94305

Environmental Conditions:

	557am	957am	157pm	357pm	Specified Conditions
Time					
Dry Bulb	63.6 °F	75.1 °F	79.4 °F	76.0 °F	35-120 F
Wet Bulb	58.6 °F	65.0 °F	66.2 °F	63.7 °F	
Depression	5.0 °F	10.1 °F	13.2 °F	12.3 °F	
Relative Humidity	74.0%	56.8%	47.8%	48.6%	85%
Dew Point	55.2 °F	58.8 °F	57.8 °F	55.3 °F	
Steel temp	62.7 °F	73.1 °F	77.7 °F	74.9 °F	35-120 F
Difference	7.6 °F	14.3 °F	19.9 °F	19.6 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT & 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. 1077597

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: 16 BLASTERS. Approximate working time 600am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Ray Blackburn Date: 6/12/2024
QC Supervisor Signature: [signature] Date: 6-12-24

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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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8A

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Thursday, June 13, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	557am	957am	157pm	357pm					Specified Conditions
Time									
Dry Bulb	61.0 °F	74.5 °F	75.3 °F	72.2 °F					35-120 F
Wet Bulb	54.9 °F	63.6 °F	62.3 °F	60.8 °F					
Depression	6.1 °F	10.9 °F	13.0 °F	11.4 °F					
Relative Humidity	66.7%	53.2%	45.5%	49.4%					85%
Dew Point	49.8 °F	56.3 °F	52.7 °F	52.2 °F					
Steel temp	60.1 °F	72.6 °F	73.2 °F	70.7 °F					35-120 F
Difference	10.3 °F	16.3 °F	20.4 °F	18.5 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 16 BLASTERS. Approximate working time 600am-330pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/13/2024
QC Supervisor Signature: _____ Date: 6-13-24
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	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Monday, June 17, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8A		MOFFETT FIELD CA.94305

Environmental Conditions:

	557am	957am	157pm	357pm					Specified Conditions
Time									
Dry Bulb	60.6 °F	73.0 °F	80.7 °F	81.0 °F					35-120 F
Wet Bulb	50.7 °F	59.8 °F	62.7 °F	61.8 °F					
Depression	9.9 °F	13.2 °F	18.0 °F	19.2 °F					
Relative Humidity	44.9%	41.8%	29.8%	23.5%					85%
Dew Point	39.1 °F	48.4 °F	46.2 °F	40.3 °F					
Steel temp	59.3 °F	71.1 °F	79.6 °F	79.9 °F					35-120 F
Difference	20.1 °F	22.7 °F	33.4 °F	39.6 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 16 BLASTERS. Approximate working time 645am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/17/2024
QC Supervisor Signature: _____ Date: 6-17-24

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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	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Tuesday, June 18, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8A		MOFFETT FIELD CA.94305

Environmental Conditions:

Time	557am	957am	157pm	357pm					Specified Conditions
Dry Bulb	63.8 °F	77.7 °F	84.8 °F	81.1 °F					35-120 F
Wet Bulb	52.6 °F	62.0 °F	65.7 °F	65.5 °F					
Depression	11.2 °F	15.7 °F	19.1 °F	15.6 °F					
Relative Humidity	41.0%	36.1%	30.3%	40.2%					85%
Dew Point	39.7 °F	48.7 °F	50.3 °F	54.7 °F					
Steel temp	62.5 °F	76.7 °F	83.7 °F	80.0 °F					35-120 F
Difference	22.8 °F	28.0 °F	33.4 °F	25.4 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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 Logger Serial No. 1077597

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. Approximate working time 610am-330pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/18/2024
QC Supervisor Signature: _____ Date: 6-18-24

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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	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Thursday, June 20, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8A		MOFFETT FIELD CA.94305

Environmental Conditions:

Time	557am	957am	157pm	357pm	Specified Conditions
Dry Bulb	56.6 °F	66.9 °F	71.8 °F	71.4 °F	35-120 F
Wet Bulb	51.7 °F	57.8 °F	60.2 °F	60.0 °F	
Depression	4.9 °F	9.1 °F	11.6 °F	11.4 °F	
Relative Humidity	57.8%	55.7%	48.0%	48.5%	85%
Dew Point	46.1 °F	50.2 °F	51.1 °F	51.0 °F	
Steel temp	56.8 °F	65.2 °F	69.9 °F	69.6 °F	35-120 F
Difference	10.7 °F	14.7 °F	18.8 °F	18.6 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT & 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. 1077597

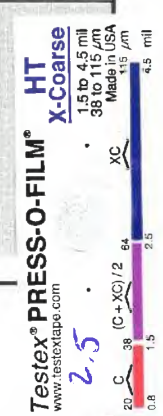
SURFACE PREPARATION

☑ 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: 16 BLASTERS. Approximate working time 605am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/20/2024
QC Supervisor Signature: _____ Date: 6-20-24

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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 / Cuberto Apodaca	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Wednesday, June 26, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8C		MOFFETT FIELD CA.94305

Environmental Conditions:

	557am	957am	157pm	357pm					Specified Conditions
Time									
Dry Bulb	60.6 °F	68.5 °F	75.9 °F	73.3 °F					35-120 F
Wet Bulb	54.6 °F	60.7 °F	63.6 °F	61.9 °F					
Depression	6.0 °F	7.8 °F	12.3 °F	11.4 °F					
Relative Humidity	67.2%	63.0%	48.4%	50.3%					85%
Dew Point	49.6 °F	55.4 °F	55.1 °F	53.7 °F					
Steel temp	59.8 °F	67.2 °F	74.7 °F	72.2 °F					35-120 F
Difference	10.1 °F	11.7 °F	19.7 °F	18.5 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 2.4 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. Approximate working time 600am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/26/2024
QC Supervisor Signature: _____ Date: 7-11-24

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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 / Cuberto Apodaca	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Thursday, June 27, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8C		MOFFETT FIELD CA.94305

Environmental Conditions:

	557am	957am	157pm	357pm					Specified Conditions
Time									
Dry Bulb	60.1 °F	75.6 °F	79.0 °F	76.1 °F					35-120 F
Wet Bulb	53.4 °F	63.4 °F	64.8 °F	63.3 °F					
Depression	7.7 °F	12.2 °F	14.2 °F	12.8 °F					
Relative Humidity	63.3%	48.8%	43.6%	46.4%					85%
Dew Point	47.6 °F	55.0 °F	55.0 °F	54.1 °F					
Steel temp	59.1 °F	73.8 °F	77.4 °F	74.9 °F					35-120 F
Difference	11.6 °F	18.8 °F	22.4 °F	20.8 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 16 BLASTERS. Approximate working time 600am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/27/2024
QC Supervisor Signature: _____ Date: 7-11-24

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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 / Cuberto Apodaca	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Friday, June 28, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8C		MOFFETT FIELD CA.94305

Environmental Conditions:

Time	557am	957am	157pm	357pm					Specified Conditions
Dry Bulb	59.9 °F	76.6 °F	84.2 °F	82.0 °F					35-120 F
Wet Bulb	53.6 °F	64.3 °F	67.0 °F	66.0 °F					
Depression	6.3 °F	12.3 °F	17.2 °F	16.0 °F					
Relative Humidity	65.2%	49.2%	37.1%	39.6%					85%
Dew Point	48.2 °F	56.1 °F	55.2 °F	55.0 °F					
Steel temp	58.8 °F	75.0 °F	83.1 °F	80.9 °F					35-120 F
Difference	10.6 °F	18.9 °F	27.9 °F	25.9 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

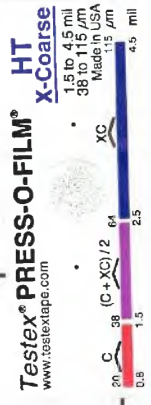
SURFACE PREPARATION

☑ **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: 16 BLASTERS. Approximate working time 600am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 6/28/2024
QC Supervisor Signature: _____ Date: 7-1-24

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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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Monday, July 1, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	457am	857am	1257pm	357pm					Specified Conditions
Time									
Dry Bulb	63.2 °F	74.8 °F	86.5 °F	83.8 °F					35-120 F
Wet Bulb	57.0 °F	65.3 °F	69.6 °F	67.5 °F					
Depression	6.2 °F	9.6 °F	16.9 °F	16.3 °F					
Relative Humidity	67.4%	58.9%	40.2%	39.9%					85%
Dew Point	52.3 °F	59.5 °F	59.5 °F	56.8 °F					
Steel temp	62.1 °F	73.2 °F	85.1 °F	82.4 °F					35-120 F
Difference	9.8 °F	13.7 °F	25.6 °F	25.6 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

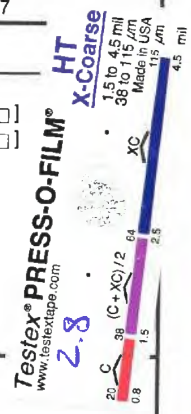
SURFACE PREPARATION

☑ 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: 16 BLASTERS. Approximate working time 530am-400pm.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/1/2024
QC Supervisor Signature: _____ Date: 7-1-24

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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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive re-blast steel in Zone 8A Wipe Sample Areas

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Tuesday, July 2, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	857am	1257pm	457pm					Specified Conditions
Time								
Dry Bulb	79.1 °F	94.6 °F	92.8 °F					35-120 F
Wet Bulb	68.2 °F	74.9 °F	72.0 °F					
Depression	10.9 °F	19.7 °F	20.8 °F					
Relative Humidity	56.0%	37.8%	32.9%					85%
Dew Point	62.1 °F	64.9 °F	59.4 °F					
Steel temp	78.2 °F	93.5 °F	92.7 °F					35-120 F
Difference	16.1 °F	28.6 °F	33.3 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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

Testex® PRESS-O-FILM® HT X-Coarse 1.5 to 4.5 mil 38 to 115 µm Made in USA www.testextape.com
3.0

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: 4 BLASTERS. Approximate working time 900am-400pm. Re-blast Zone 8A failed wipe sample areas.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/2/2024
QC Supervisor Signature: _____ Date: 7-11-24

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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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Tuesday, July 2, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	457am	857am	1257pm	457pm					Specified Conditions
Time									
Dry Bulb	66.8 °F	79.1 °F	94.6 °F	92.8 °F					35-120 F
Wet Bulb	59.3 °F	68.2 °F	74.9 °F	72.0 °F					
Depression	7.5 °F	10.9 °F	19.7 °F	20.8 °F					
Relative Humidity	63.6%	56.0%	37.8%	32.9%					85%
Dew Point	54.1 °F	62.1 °F	64.9 °F	59.4 °F					
Steel temp	65.8 °F	78.2 °F	93.5 °F	92.7 °F					35-120 F
Difference	11.7 °F	16.1 °F	28.6 °F	33.3 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

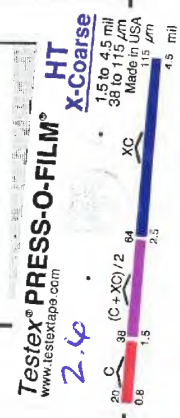
SURFACE PREPARATION

☑ 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: 16 BLASTERS. Approximate working time 530am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/2/2024
QC Supervisor Signature: _____ Date: 7-2-24
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 / Cuberto Apodaca	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Wednesday, July 3, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8C		MOFFETT FIELD CA.94305

Environmental Conditions:

	557am	957am	157pm	357pm					Specified Conditions
Time									
Dry Bulb	72.6 °F	89.0 °F	95.3 °F	91.7 °F					35-120 F
Wet Bulb	61.0 °F	72.4 °F	73.1 °F	70.7 °F					
Depression	11.6 °F	16.6 °F	22.2 °F	21.0 °F					
Relative Humidity	48.6%	43.1%	31.2%	31.2%					85%
Dew Point	52.2 °F	63.7 °F	60.0 °F	57.0 °F					
Steel temp	72.6 °F	87.7 °F	94.0 °F	91.0 °F					35-120 F
Difference	20.4 °F	24.0 °F	34.0 °F	34.0 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 2.2 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: 16 BLASTERS. Approximate blasting time 600am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/3/2024
QC Supervisor Signature: _____ Date: 7-1-24

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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	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Monday, July 8, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8C		MOFFETT FIELD CA.94305

Environmental Conditions:

	457am	847am	1247pm	447pm					Specified Conditions
Time									
Dry Bulb	65.3 °F	70.1 °F	82.9 °F	78.0 °F					35-120 F
Wet Bulb	59.8 °F	64.3 °F	69.1 °F	66.0 °F					
Depression	5.5 °F	5.8 °F	13.8 °F	12.0 °F					
Relative Humidity	72.3%	72.8%	48.2%	51.5%					85%
Dew Point	56.2 °F	60.9 °F	61.3 °F	58.7 °F					
Steel temp	64.8 °F	69.2 °F	81.4 °F	76.4 °F					35-120 F
Difference	8.6 °F	8.3 °F	20.1 °F	17.7 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 16 BLASTERS

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Ray Blackburn Date: 7/8/2024
QC Supervisor Signature: [signature] Date: 7-8-24
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 / BERT APODACA	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Tuesday, July 9, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8C		MOFFETT FIELD CA.94305

Environmental Conditions:

	457am	847am	1247pm	447pm	Specified Conditions
Time					
Dry Bulb	64.5 °F	66.2 °F	80.2 °F	74.8 °F	35-120 F
Wet Bulb	58.9 °F	60.9 °F	67.6 °F	64.8 °F	
Depression	5.6 °F	5.3 °F	12.6 °F	10.0 °F	
Relative Humidity	71.8%	73.6%	50.9%	57.1%	85%
Dew Point	55.2 °F	57.5 °F	60.3 °F	58.6 °F	
Steel temp	63.6 °F	65.5 °F	78.5 °F	74.2 °F	35-120 F
Difference	8.4 °F	8.0 °F	18.2 °F	15.6 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT & 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. 1077597

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: 13 BLASTERS BLASTING AND 3 BLASTERS BLOWING DOWN CONTAINMENT. Approximate working time 530am-400pm.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/9/2024
QC Supervisor Signature: _____ Date: 7-11-24

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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	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Monday, July 15, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8B		MOFFETT FIELD CA.94305

Environmental Conditions:

	642am	1042am	242pm	442pm					Specified Conditions
Time									
Dry Bulb	66.9 °F	70.2 °F	83.7 °F	85.3 °F					35-120 F
Wet Bulb	60.8 °F	62.3 °F	68.1 °F	68.9 °F					
Depression	6.1 °F	8.9 °F	15.6 °F	16.4 °F					
Relative Humidity	70.1%	63.2%	42.5%	41.0%					85%
Dew Point	56.8 °F	57.1 °F	58.5 °F	59.0 °F					
Steel temp	65.9 °F	69.6 °F	84.1 °F	86.2 °F					35-120 F
Difference	9.1 °F	12.5 °F	25.6 °F	27.2 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

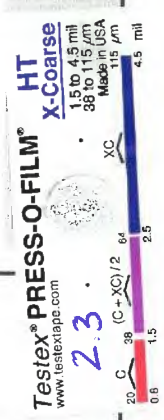
SURFACE PREPARATION

☑ 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: 16 BLASTERS. Approximate working time 600am-355pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/15/2024
QC Supervisor Signature: _____ Date: 7-15-24

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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Tuesday, July 16, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	529am	929am	129pm	529pm					Specified Conditions
Time									
Dry Bulb	65.2 °F	66.2 °F	78.0 °F	86.2 °F					35-120 F
Wet Bulb	57.5 °F	58.8 °F	64.8 °F	68.6 °F					
Depression	7.7 °F	7.4 °F	13.2 °F	17.6 °F					
Relative Humidity	61.1%	63.3%	46.8%	37.7%					85%
Dew Point	51.5 °F	53.4 °F	56.0 °F	57.4 °F					
Steel temp	64.5 °F	65.4 °F	77.3 °F	85.7 °F					35-120 F
Difference	13.0 °F	12.0 °F	21.3 °F	28.3 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

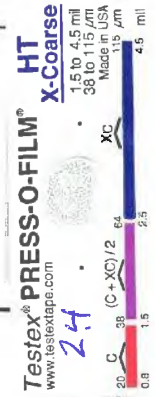
SURFACE PREPARATION

☑ 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: 2.4 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. Approximate working time 530am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/16/2024
QC Supervisor Signature: _____ Date: 7-16-24

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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Wednesday, July 17, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	529am	929am	129pm	529pm					Specified Conditions
Time									
Dry Bulb	62.8 °F	63.6 °F	75.2 °F	86.6 °F					35-120 F
Wet Bulb	55.4 °F	57.3 °F	64.2 °F	70.1 °F					
Depression	7.4 °F	6.3 °F	11.0 °F	16.5 °F					
Relative Humidity	61.4%	67.7%	53.4%	41.6%					85%
Dew Point	49.3 °F	52.7 °F	57.1 °F	60.5 °F					
Steel temp	61.8 °F	62.7 °F	74.5 °F	86.6 °F					35-120 F
Difference	12.5 °F	10.0 °F	17.4 °F	26.1 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

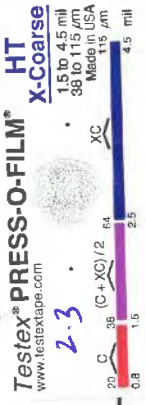
SURFACE PREPARATION

☑ 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: 16 BLASTERS. Approximate working time 530am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/17/2024
QC Supervisor Signature: _____ Date: 7-17-24

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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Thursday, July 18, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	529am	929am	129pm	529pm					Specified Conditions
Time									
Dry Bulb	65.3 °F	65.6 °F	80.1 °F	90.4 °F					35-120 F
Wet Bulb	59.3 °F	60.3 °F	68.2 °F	71.6 °F					
Depression	6.0 °F	5.3 °F	11.9 °F	19.8 °F					
Relative Humidity	69.5%	73.5%	53.1%	37.1%					85%
Dew Point	55.1 °F	56.9 °F	61.4 °F	60.6 °F					
Steel temp	64.2 °F	64.5 °F	79.6 °F	90.4 °F					35-120 F
Difference	9.1 °F	7.6 °F	18.2 °F	29.8 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

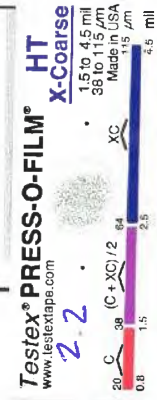
Environmental Controls? CONTAINMENT & DUST COLLECTORS
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

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: 2.2 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: 16 BLASTERS. Approximate working time 530am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 7/18/2024
QC Supervisor Signature: Date: 7-18-24
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	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ	Inspector:	Ray Blackburn
Work Location:	MOFFETT FIELD CA.	Date Worked:	Friday, July 19, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	Abrasive blast steel structure in Zone 8B		MOFFETT FIELD CA.94305

Environmental Conditions:

	529am	929am	129pm	529pm	Specified Conditions
Time					
Dry Bulb	66.7 °F	66.6 °F	84.2 °F	99.8 °F	35-120 F
Wet Bulb	59.2 °F	60.6 °F	68.8 °F	76.2 °F	
Depression	7.5 °F	6.0 °F	16.4 °F	23.6 °F	
Relative Humidity	63.2%	70.5%	43.5%	31.0%	85%
Dew Point	53.8 °F	65.9 °F	59.6 °F	63.8 °F	
Steel temp	66.0 °F	56.7 °F	84.0 °F	99.9 °F	35-120 F
Difference	12.2 °F	9.2 °F	24.3 °F	36.1 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT & 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. 1077597

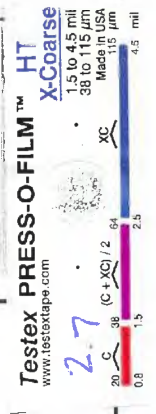
SURFACE PREPARATION

☑ **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. Approximate working time 530am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/19/2024
QC Supervisor Signature: _____ Date: 7-19-24

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
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Monday, July 22, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	529am	929am	129pm	529pm					Specified Conditions
Time									
Dry Bulb	65.2 °F	66.5 °F	82.9 °F	95.6 °F					35-120 F
Wet Bulb	58.6 °F	60.7 °F	69.3 °F	74.4 °F					
Depression	6.6 °F	5.8 °F	13.6 °F	21.2 °F					
Relative Humidity	66.8%	71.4%	48.9%	34.4%					85%
Dew Point	53.9 °F	57.0 °F	61.7 °F	63.0 °F					
Steel temp	64.1 °F	66.0 °F	82.6 °F	95.3 °F					35-120 F
Difference	10.2 °F	9.0 °F	20.9 °F	32.3 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT & 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. 1077597

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: 16 BLASTERS. Approximate working time 530am-400pm

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 7/22/2024
QC Supervisor Signature: _____ Date: 7-22-24
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 8

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Area)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
DOOR-S-15.1GE-EXT-3 TO 4-240627-CB [d]	06/27/2024	A	~~370~~	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.1GE-EXT-3 TO 4-240627-DUP-CB	6/27/2024	A	--	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.1GE-EXT-3 TO 4-240702-CB	07/02/2024	A	**6.8 [f]**	--	--	--	--	--	--	--	--	--
DOOR-S-15.1GE-EXT-3 TO 4-240708-CB	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GE-EXT-3 TO 4-240708-DUP-CB	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GE-DG-4 TO 17-240627-LA [d]	06/27/2024	A	~~270~~	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.3GE-DG-4 TO 17-240627-DUP-LA [d]	06/27/2024	A	~~190~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-4 TO 17-240702-LA	07/02/2024	A	**11 [f]**	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-4 TO 17-240702-DUP-LA [b]	07/02/2024	A	**4.6 [f]**	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-4 TO 17-240708-LA	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GE-PS-17-240627-G	06/27/2024	A	**140 [f]**	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.3GE-PS-17-240708-G	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.4GE-PS-17-240627-G [d]	06/27/2024	A	~~350~~	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.4GE-PS-17-240702-G	07/02/2024	A	**4.2 [f]**	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-PS-17-240708-G	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GE-DG-3 TO 17-240627-LA [d]	06/27/2024	A	~~380~~	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.1GE-DG-3 TO 17-240702-LA	07/02/2024	A	**6.0 [f]**	--	--	--	--	--	--	--	--	--
DOOR-S-15.1GE-DG-3 TO 17-240708-LA	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.2GE-PS-17-240627-G [d]	06/27/2024	A	~~300~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-PS-17-240702-G	07/02/2024	A	**4.9**	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-INT-16 TO 17-240627-CB [d]	06/27/2024	A	~~500~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-INT-16 TO 17-240702-CB	07/02/2024	A	**26**	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-EXT-2 TO 3-240627-CB	06/27/2024	A	**180**	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-3 TO 16-240627-LA [d]	06/27/2024	A	~~320~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-3 TO 16-240702-LA	07/02/2024	A	**9.8**	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-EXT-2 TO 3-240627-CB	06/27/2024	A	**190**	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-2 TO 16-240627-LA [d]	06/27/2024	A	~~300~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-DG-2 TO 16-240702-LA	07/02/2024	A	**11**	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-PS-16-240627-G [d]	06/27/2024	A	~~500~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-PS-16-240702-G	07/02/2024	A	**5.2**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-SS	06/27/2024	A	**120**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-SS [d]	06/27/2024	A	~~800~~	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-SS	07/02/2024	A	**11**	--	--	--	--	--	--	--	--	--
AFRAME-SGE-LAT-L1-HS-3-240627-A	06/27/2024	A	**79**	--	--	--	--	--	--	--	--	--
AFRAME-SGE-MED-L1-HS-3-240627-A	06/27/2024	A	**150**	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-DG-1 TO 2-240627-LA [d]	06/27/2024	A	~~250~~	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-DG-1 TO 2-240702-LA	07/02/2024	A	**14**	--	--	--	--	--	--	--	--	--

Validated Confirmation Wipe Sampling Results - High Occupancy Area within Zone 8

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft^2	Concentration - µg/100 cm^2								
Cleanup Goal (High Occupancy Area)			<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
DOOR-S-15.3GE-INT-1 TO 16-240627-CB [b]	06/27/2024	A	150	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GE-INT-1 TO 16-240627-DUP-CB	06/27/2024	A	220	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-INT-1 TO 16-240627-CB	06/27/2024	A	43	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-SS	06/27/2024	A	60	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-4 TO 17-240718-LA	07/18/2024	C	440	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.6GW-DG-4 TO 17-240718-DUP-LA [b]	07/18/2024	C	290	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-EXT-3 TO 4-240718-CB	07/18/2024	C	250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.2GW-DG-4 TO 17-240718-LA	07/18/2024	C	300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GW-INT-17 TO 18-240718-CB	07/18/2024	C	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GW-INT-17 TO 18-240718-DUP-CB	07/18/2024	C	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.6GW-PS-17-240718-LA	07/18/2024	C	360	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.2GW-EXT-3 TO 4-240718-CB	07/18/2024	C	230	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GW-EXT-3 TO 4-240718-DUP-CB [b]	07/18/2024	C	230	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GW-PS-17-240718-G	07/18/2024	C	140	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GW-PS-17-240718-G	07/18/2024	C	230	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-3 TO 16-240718-G	07/18/2024	C	160	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GW-INT-16 TO 17-240718-CB	07/18/2024	C	130	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-DG-3 TO 16-240718-LA	07/18/2024	C	320	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-DG-3 TO 16-240718-DUP-LA [b]	07/18/2024	C	110	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GW-DG-3 TO 16-240718-LA	07/18/2024	C	260	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GW-INT-16 TO 17-240718-CB	07/18/2024	C	360	--	--	--	--	--	--	--	--	--
DOOR-S-15.1GW-ENT-2 TO 3-240718-CB	07/18/2024	C	160	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-PS-16-240718-G	07/18/2024	C	220	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-PS-16-240718-G	07/18/2024	C	250	--	--	--	--	--	--	--	--	--
AFRAME-SGW-LAT-L1-HS-3-240718-A	07/18/2024	C	180	--	--	--	--	--	--	--	--	--
AFRAME-SGW-MED-L1-HS-3-240718-A	07/18/2024	C	140	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-SS	07/18/2024	C	170	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-SS	07/18/2024	C	230	--	--	--	--	--	--	--	--	--
DOOR-S-15.1GW-DG-1 TO 2-240718-LA	07/18/2024	C	360	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-INT-1 TO 16-240718-CB	07/18/2024	C	190	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-SS	07/18/2024	C	200	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GW-DG-1 TO 2-240718-LA	07/18/2024	C	240	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-DG-4 TO 17-240731-LA	07/31/2024	B	75	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GE-PS-17-240731-G	07/31/2024	B	82	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GE-PS-17-240731-G	07/31/2024	B	59	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GE-PS-17-240731-G	07/31/2024	B	240	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GW-PS-17-240731-G	07/31/2024	B	160	--	--	--	--	--	--	--	--	--

Validated Confirmation Wipe Sampling Results - High Occupancy Area within Zone 8

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Area)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
DOOR-S-15.7GW-PS-17-240731-G	07/31/2024	B	**190**	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-DG-3 TO 16-240731-LA	07/31/2024	B	**340**	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-DG-3 TO 16-240731-DUP-LA [b]	07/31/2024	B	**310**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GE-INT-16 TO 17-240731-CB	07/31/2024	B	**150**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GW-DG-3 TO 16-240731-LA	07/31/2024	B	**290**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-DG-3 TO 16-240731-LA [d]	07/31/2024	B	**~~510~~**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-DG-3 TO 16-240805-LA	08/05/2024	B	**10**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-EXT-2 TO 3-240731-CB [d]	07/31/2024	B	**~~940~~**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-EXT-2 TO 3-240805-CB	08/05/2024	B	**11**	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GE-PS-16-240731-LA	07/31/2024	B	**350**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-PS-16-240731-LA	07/31/2024	B	**320**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GE-EXT-2 TO 3-240731-CB	07/31/2024	B	**290**	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-PS-16-240731-G [d]	07/31/2024	B	**~~510~~**	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-PS-16-240805-G	08/05/2024	B	**16**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GE-PS-16-240731-G	07/31/2024	B	**330**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-INT-1 TO 16-240731-CB [d]	07/31/2024	B	**~~420~~**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-INT-1 TO 16-240731-DUP-CB [d]	07/31/2024	B	**~~290~~**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-INT-1 TO 16-240805-CB	08/05/2024	B	**14**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-INT-1 TO 16-240805-DUP-CB [b]	08/05/2024	B	**13**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-PS-16-240731-G	07/31/2024	B	**360**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GE-INT-1 TO 16-240731-CB	07/31/2024	B	**130**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GE-INT-1 TO 16-240731-CB	07/31/2024	B	**310**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-INT-1' TO 2-240731-LA	07/31/2024	B	**380**	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GW-INT-1 TO 16-240731-CB	07/31/2024	B	**130**	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-DG-1' TO 2-240731-LA	07/31/2024	B	**230**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-DG-1' TO 2-240731-LA [d]	07/31/2024	B	**~~430~~**	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-DG-1' TO 2-240805-LA	08/05/2024	B	**38**	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-INT-1 TO 16-240731-CB	07/31/2024	B	**410**	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GE-INT-17 TO 18-240731-CB	07/31/2024	B	**51**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.6GE-EXT-3 TO 4-240731-CB	07/31/2024	B	**77**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.8GE-DG-4 TO 17-240731-LA	07/31/2024	B	**85**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.7GW-DG-4 TO 17-240731-LA	07/31/2024	B	**100**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.7GW-DG-4 TO 17-240731-DUP-LA	07/31/2024	B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.8GW-EXT-3 TO 4-240731-CB	07/31/2024	B	**160**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.5GE-INT-17 TO 18-240731-DUP-CB [b]	07/31/2024	B	**68**	--	--	--	--	--	--	--	--	--
95-Percent UCL (High Occupancy Area) [c]			**190**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
240627-FIELDBLANK1-HO	06/27/2024	A	**1.0**	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]

Validated Confirmation Wipe Sampling Results - High Occupancy Area within Zone 8

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Area)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
240708-FIELDBLANK1-HO	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240718-FIELDBLANK1-HO	07/18/2024	C	**6.9**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240718-FIELDBLANK2-HO	07/18/2024	C	**4.6**	--	--	--	--	--	--	--	--	--
240731-FIELDBLANK1-HO	07/31/2024	B	**0.97**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240731-FIELDBLANK2-HO	07/31/2024	B	**6.9**	--	--	--	--	--	--	--	--	--
240627-MEDBLANK1-HO	06/27/2024	A	<0.50	--	--	--	--	--	--	--	--	--
240718-MEDBLANK1-HO	07/18/2024	C	<0.50	--	--	--	--	--	--	--	--	--
240718-MEDBLANK2-HO	07/18/2024	C	<0.50	--	--	--	--	--	--	--	--	--
240731-MEDBLANK1-HO	07/31/2024	B	<0.50	--	--	--	--	--	--	--	--	--
240731-MEDBLANK2-HO	07/31/2024	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

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.

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

[e] The indicated location was re-abated and re-sampled on July 8, 2024 for PCBs due to issues encountered during labtoratory analysis. See Section 2.2.3 for additional information.

[f] Due to issues with the PCB confirmation wipe samples identified in Note [e], the indicated locations were re-abated a second time to enable the collection of PCB confirmation wipe re-samples on July 8, 2024. As the re-abatement of these locations was because of issues with the PCB confirmation wipe sampling results and not the lead confirmation wipe sampling reuslts, the indicated results are not shown in strikethrough text and the results were included in the results were included in the ProUCL calculations for comparison agains the Cleanup Goal for lead.

Bolded values indicate constituents detected above laboratory reporting limits.

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

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

Attachment 3

Confirmation Sampling Analytical Reports

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

enthalpy.com

Lab Job Number : 510951
Report Level : IV
Report Date : 07/11/2024

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 #:	510951
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/27/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB	510951-003	06/27/24 09:15	Wipe
DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	510951-005	06/27/24 09:25	Wipe
DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA	510951-006	06/27/24 09:25	Wipe
DOOR-S-15.3GE-PS-17-240627-L-G	510951-008	06/27/24 09:55	Wipe
DOOR-S-15.4GE-PS-17-240627-L-G	510951-010	06/27/24 10:00	Wipe
DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	510951-012	06/27/24 09:40	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 510951 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/27/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 06/28/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

J10951

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	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	DOOR-S-15.1GE-EXT-3 TO 4-240627-P-CB	6/27/2024	0915	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	DOOR-S-15.1GE-EXT-3 TO 4-240627-P-DUP-CB	6/27/2024	0915	WP	1	--	X			Report PCB concentrations on a µg/100cm2 basis
3	DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB	6/27/2024	0915	WP	1	--		X		Report lead concentrations on a µg/ft2 basis
4	DOOR-S-15.3GE-DG-4 TO 17-240627-P-LA	6/27/2024	0925	WP	1	--	X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	6/27/2024	0925	WP	1	--		X		Wipe samples collected from Zone 8 Enclosure A (High Occupancy)
6	DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA	6/27/2024	0925	WP	1	--		X		2x Rivet Type 1 = 0.027667 ft2
7	DOOR-S-15.3GE-PS-17-240627-P-G	6/27/2024	0955	WP	1	--	X			2x Rivet Type 1 = 0.027667 ft2
8	DOOR-S-15.3GE-PS-17-240627-L-G	6/27/2024	0955	WP	1	--		X		6x Rivet Type 2 = 0.082847 ft2
9	DOOR-S-15.4GE-PS-17-240627-P-G	6/27/2024	1000	WP	1	--	X			6x Rivet Type 1 = 0.082847 ft2
10	DOOR-S-15.4GE-PS-17-240627-L-G	6/27/2024	1000	WP	1	--		X		2x Rivet Type 1 = 0.027667 ft2
11	DOOR-S-15.1GE-DG-3 TO 17-240627-P-LA	6/27/2024	0940	WP	1	--	X			
12	DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	6/27/2024	0940	WP	1	--		X		
13	240627-P-FIELDBLANK1-HO	6/27/2024	0730	WP	1	--	X			
~~14~~	~~DOOR-S-15.2GE-INT-17 TO 18-240627-P-CB~~	~~6/27/2024~~		WP	1	--	X			MK
15	DOOR-S-15.2GE-INT-17 TO 18-240627-L-CB	6/27/2024		WP	1	--		X		MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Donald Welp	Rincon / Env. Scientist	6/27/24 1450
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	6/27/24 14:50
2 Relinquished By:	Audrey Hudson	"	"	6/27/24 17:15
2 Received By:	[signature]	[signature]	[signature]	6/27/24 17:15
3 Relinquished By:	[signature]	Kenneth High	EA	6/27/24 18:26
3 Received By:	[signature]	[signature]	EA	JUN 28 2024 1000

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: 6/27/24 Login # 510951 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 6/27/24 By (print) MM (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 6/27/24 By (print) MM (sign) _____

Date Labeled 6/27/24 By (print) Kenneth High (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 510951 Project: Hangar 1 NTCRA

Date Received: 6/28/24 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: 4.2 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 3.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

Project Manager's response:

Completed By: _____ Date: JUN 28 2024

SOUTHWEST AIRLINES

Printed on:
27 JUN 20:35

526 OAK 1458 4441

PC#	DG	LOT WT
5 OF 10	G	305 LB (138.3 KG)

SNA
Reno

4.21.37

STN	FLT	DATE	ETD	LOT 01
OAK	WN 941	28 JUN	06:20	

9:20

S

PC ID: 0005
PC WT: 31LB

526 14584441 0005

526

7

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 510951 **Project#:** 20-10491

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

Field ID: DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB **Batch#:** 344090 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 510951-003 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/01/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

510951-003 Analyte	Result	RL	Units
Lead	**370**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA **Batch#:** 344090 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 510951-005 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/01/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

510951-005 Analyte	Result	RL	Units
Lead	**270**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA **Batch#:** 344090 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 510951-006 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/01/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

510951-006 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-PS-17-240627-L-G **Batch#:** 344090 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 510951-008 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/01/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

510951-008 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Field ID: DOOR-S-15.4GE-PS-17-240627-L-G **Batch#:** 344090 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 510951-010 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/01/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

510951-010 Analyte	Result	RL	Units
Lead	**350**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 510951 **Project#:** 20-10491

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

Field ID:	DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	**Batch#:**	344090	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	06/27/24	**Analysis:**	EPA 6010B
Lab ID:	510951-012	**Received:**	06/27/24	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	07/01/24		
Diln Fac:	1.000	**Analyzed:**	07/01/24		

510951-012 Analyte	Result	RL	Units
Lead	**380**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	344090	**Analysis:**	EPA 6010B
Lab ID:	QC1165892	**Prepared:**	07/01/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	07/01/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1165892 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 510951 **Project#:** 20-10491

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

Type: BS **Batch#:** 344090 **Analysis:** EPA 6010B

Lab ID: QC1165893 **Prepared:** 07/01/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1165893 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.74	103	80-120	ug/ft2

Type: BSD **Batch#:** 344090 **Analysis:** EPA 6010B

Lab ID: QC1165894 **Prepared:** 07/01/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1165894 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.12	102	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 510951 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
510951-003	MET12	07/01/24 11:58	1.0	✓
510951-005	MET12	07/01/24 12:01	1.0	✓
510951-006	MET12	07/01/24 12:05	1.0	✓
510951-008	MET12	07/01/24 12:08	1.0	✓
510951-010	MET12	07/01/24 12:11	1.0	✓
510951-012	MET12	07/01/24 12:14	1.0	✓
QC1165892	MET12	07/01/24 11:21	1.0	✓
QC1165893	MET12	07/01/24 11:24	1.0	✓
QC1165894	MET12	07/01/24 11:27	1.0	✓

Enthalpy Sequence Summary for Sequence 794264073

Instrument: MET12 Begun: 07/01/24 09:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				07/01/24 09:13	1.0		
002	icp data	ICAL	L1			07/01/24 09:16	1.0	1	
003	icp data	ICAL	L2			07/01/24 09:19	1.0	2	
004	icp data	ICAL	L3			07/01/24 09:22	1.0	3	
005	icp data	ICAL	L4			07/01/24 09:25	1.0	4	
006	icp data	ICAL	L5			07/01/24 09:29	1.0	5	
007	icp data	ICAL	L6			07/01/24 09:32	1.0	6	
008	icp data	ICAL	L7			07/01/24 09:35	1.0	7	
009	icp data	ICAL	L8			07/01/24 09:38	1.0	8	
010	icp data	ICV				07/01/24 09:41	1.0	9	
011	icp data	ICB				07/01/24 09:45	1.0		
012	icp data	CRI				07/01/24 09:48	1.0	10	
013	icp data	ICSA				07/01/24 09:51	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				07/01/24 09:54	1.0	12	6:MGASMGCO3=1300
015	icp data	BLANK	QC1165563	Soil	344008	07/01/24 09:57	1.0	13	
016	icp data	LCS	QC1165564	Soil	344008	07/01/24 10:00	1.0	13	
017	icp data	MSS	511171-001	Soil	344008	07/01/24 10:04	1.0	13	6:ALASAL2O3=370
018	icp data	MS	QC1165565	Soil	344008	07/01/24 10:07	1.0	13	6:ALASAL2O3=410
019	icp data	MSD	QC1165566	Soil	344008	07/01/24 10:10	1.0	13	6:ALASAL2O3=410
020	icp data	PDS	QC1165567	Soil	344008	07/01/24 10:13	1.0	13	6:ALASAL2O3=360
021	icp data	SAMPLE	511185-001	Soil	344008	07/01/24 10:16	1.0	13	3:FE=210
022	icp data	SAMPLE	511215-001	Miscell.	344008	07/01/24 10:19	1.0	13	3:FE=140
023	icp data	SAMPLE	511215-006	Miscell.	344008	07/01/24 10:22	1.0	13	3:FE=140
024	icp data	SAMPLE	511248-001	Miscell.	344008	07/01/24 10:25	1.0	13	3:CA=1500
025	icp data	CCV				07/01/24 10:28	1.0	9	
026	icp data	CCB				07/01/24 10:32	1.0		
027	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 10:35	1.0	13	6:FE=480
028	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 10:38	1.0	13	6:FE=640
029	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 10:41	1.0	13	6:FE=320
030	icp data	SAMPLE	511119-001	Soil	344008	07/01/24 10:44	1.0	13	2:FE=110
031	icp data	SAMPLE	511119-002	Soil	344008	07/01/24 10:47	1.0	13	2:FE=120
032	icp data	SAMPLE	511119-003	Soil	344008	07/01/24 10:50	1.0	13	2:FE=120
033	icp data	SAMPLE	511121-003	Soil	344008	07/01/24 10:53	1.0	13	2:FE=290
034	icp data	SAMPLE	511175-001	Soil	344008	07/01/24 10:57	1.0	13	2:FE=290
035	icp data	SAMPLE	511175-002	Soil	344008	07/01/24 11:00	1.0	13	2:FE=120
036	icp data	SAMPLE	511227-001	Soil	344008	07/01/24 11:03	1.0	13	3:FE=170
037	icp data	CCV				07/01/24 11:06	1.0	9	
038	icp data	CCB				07/01/24 11:09	1.0		
039	icp data	SAMPLE	511227-002	Soil	344008	07/01/24 11:12	1.0	13	3:FE=160
040	icp data	SAMPLE	511227-003	Soil	344008	07/01/24 11:15	1.0	13	3:FE=210
041	icp data	BLANK	QC1165892	Wipe	344090	07/01/24 11:21	1.0	13	
042	icp data	BS	QC1165893	Wipe	344090	07/01/24 11:24	1.0	13	
043	icp data	BSD	QC1165894	Wipe	344090	07/01/24 11:27	1.0	13	
044	icp data	SAMPLE	510950-004	Wipe	344090	07/01/24 11:30	1.0	13	2:ZN=75
045	icp data	SAMPLE	510950-006	Wipe	344090	07/01/24 11:33	1.0	13	2:ZN=210
046	icp data	SAMPLE	510950-008	Wipe	344090	07/01/24 11:37	1.0	13	2:ZN=380
047	icp data	SAMPLE	510950-009	Wipe	344090	07/01/24 11:40	1.0	13	2:ZN=360
048	icp data	SAMPLE	510950-011	Wipe	344090	07/01/24 11:43	1.0	13	1:FE=64
049	icp data	CCV				07/01/24 11:46	1.0	9	
050	icp data	XCCB				07/01/24 11:49	1.0		
051	icp data	CCB				07/01/24 11:55	1.0		
052	icp data	SAMPLE	510951-003	Wipe	344090	07/01/24 11:58	1.0	13	2:ZN=130
053	icp data	SAMPLE	510951-005	Wipe	344090	07/01/24 12:01	1.0	13	2:ZN=340
054	icp data	SAMPLE	510951-006	Wipe	344090	07/01/24 12:05	1.0	13	2:ZN=270
055	icp data	SAMPLE	510951-008	Wipe	344090	07/01/24 12:08	1.0	13	1:FE=85

Enthalpy Sequence Summary for Sequence 794264073

Instrument: MET12 Begun: 07/01/24 09:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	510951-010	Wipe	344090	07/01/24 12:11	1.0	13	2:ZN=130
057	icp data	SAMPLE	510951-012	Wipe	344090	07/01/24 12:14	1.0	13	2:ZN=190
058	icp data	SAMPLE	511162-002	Wipe	344120	07/01/24 12:17	2.0	13	2:ZN=270
059	icp data	SAMPLE	511162-007	Wipe	344120	07/01/24 12:20	2.0	13	2:ZN=240
060	icp data	SAMPLE	511162-009	Wipe	344120	07/01/24 12:23	2.0	13	2:ZN=270
061	icp data	SAMPLE	511284-002	Miscell.	344074	07/01/24 12:26	1.0	13	2:AL=120
062	icp data	CCV				07/01/24 12:30	1.0	9	
063	icp data	CCB				07/01/24 12:33	1.0		
064	icp data	BLANK	QC1165904	Water	344093	07/01/24 12:36	1.0	13	
065	icp data	LCS	QC1165905	Water	344093	07/01/24 12:39	1.0	13	
066	icp data	MSS	511288-001	Water	344093	07/01/24 12:42	1.0	13	3:CAASCACO3=620
067	icp data	MS	QC1165906	Water	344093	07/01/24 12:45	1.0	13	3:CAASCACO3=660
068	icp data	MSD	QC1165907	Water	344093	07/01/24 12:48	1.0	13	3:CAASCACO3=660
069	icp data	SAMPLE	511288-002	Water	344093	07/01/24 12:51	1.0	13	1:FE=42
070	icp data	SAMPLE	511288-003	Water	344093	07/01/24 12:55	1.0	13	
071	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 12:58	100.0	13	
072	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 13:01	100.0	13	
073	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 13:04	100.0	13	
074	icp data	CCV				07/01/24 13:07	1.0	9	
075	icp data	CCB				07/01/24 13:10	1.0		
076	icp data	BLANK	QC1165545	Soil	344003	07/01/24 13:47	1.0	13	
077	icp data	LCS	QC1165546	Soil	344003	07/01/24 13:50	1.0	13	
078	icp data	MSS	511220-001	Soil	344003	07/01/24 13:53	1.0	13	4:FEASFE2O3=120
079	icp data	MS	QC1165547	Soil	344003	07/01/24 13:56	1.0	13	4:FEASFE2O3=130
080	icp data	MSD	QC1165548	Soil	344003	07/01/24 14:00	1.0	13	4:FEASFE2O3=130
081	icp data	PDS	QC1165549	Soil	344003	07/01/24 14:03	1.0	13	4:FEASFE2O3=120
082	icp data	SAMPLE	511220-002	Soil	344003	07/01/24 14:06	1.0	13	2:FE=56
083	icp data	SAMPLE	511223-001	Soil	344003	07/01/24 14:09	1.0	13	3:FE=220
084	icp data	SAMPLE	511223-002	Soil	344003	07/01/24 14:12	1.0	13	3:FE=250
085	icp data	CCV				07/01/24 14:15	1.0	9	
086	icp data	CCB				07/01/24 14:18	1.0		
087	icp data	BLANK	QC1165765	Soil	344061	07/01/24 14:21	1.0	13	

SBW 07/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 063.

Standards Used:
1=S20849 2=S20848 3=S20847 4=S20846 5=S20845 6=S20614 7=S20782 8=S20759 9=S21056 10=S20459 11=S20577 12=S21007 13=S16862

Enthalpy Internal Standard Summary for Sequence 794264073

Date: 07/01/24 Reference: icp data
Sequence: MET12 07/01/24 Analyzed: 07/01/24 09:13

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	134295	23485
		LOWER LIMIT	40288	7046
		UPPER LIMIT	268589	46971
011	ICB		129928	22907
013	ICSA		112973	20613
014	ICSAB		113054	20576
015	BLANK	QC1165563	122557	21954
016	LCS	QC1165564	120822	21822
017	MSS	511171-001	117643	21622
018	MS	QC1165565	117551	21604
019	MSD	QC1165566	116617	21345
020	PDS	QC1165567	117676	21452
021	SAMPLE	511185-001	117671	21500
022	SAMPLE	511215-001	118853	21662
023	SAMPLE	511215-006	120308	21750
024	SAMPLE	511248-001	114405	20765
025	CCV		122832	21769
026	CCB		127183	22020
027	SAMPLE	511094-001	114680	20988
028	SAMPLE	511094-002	114712	20747
029	SAMPLE	511094-003	117748	21472
030	SAMPLE	511119-001	118148	21445
031	SAMPLE	511119-002	119466	21660
032	SAMPLE	511119-003	119169	21547
033	SAMPLE	511121-003	120511	21770
034	SAMPLE	511175-001	119910	21791
035	SAMPLE	511175-002	118755	21474
036	SAMPLE	511227-001	117295	21392
037	CCV		123105	21794
038	CCB		127397	22318
039	SAMPLE	511227-002	118779	21546
040	SAMPLE	511227-003	117491	21273
041	BLANK	QC1165892	121589	21889
042	BS	QC1165893	120738	21730
043	BSD	QC1165894	121465	21828
044	SAMPLE	510950-004	119401	21499
045	SAMPLE	510950-006	119241	21394
046	SAMPLE	510950-008	117700	21218
047	SAMPLE	510950-009	118548	21198
048	SAMPLE	510950-011	120595	21862
049	CCV		123815	21980
051	CCB		130571	22679
052	SAMPLE	510951-003	119170	21706
053	SAMPLE	510951-005	119349	21439
054	SAMPLE	510951-006	118832	21569
055	SAMPLE	510951-008	119719	21762
056	SAMPLE	510951-010	122229	22126
057	SAMPLE	510951-012	122122	21674
058	SAMPLE	511162-002	120868	21897
059	SAMPLE	511162-007	121676	22287
060	SAMPLE	511162-009	121384	22129
061	SAMPLE	511284-002	128244	23142
062	CCV		123621	22121
063	CCB		127561	22661
064	BLANK	QC1165904	124198	22191
065	LCS	QC1165905	122813	22022
066	MSS	511288-001	119008	21447

Enthalpy Internal Standard Summary for Sequence 794264073

Date:	07/01/24	Reference:	icp data
Sequence:	MET12 07/01/24	Analyzed:	07/01/24 09:13

#	Type	Sample ID	Y A	Y R
067	MS	QC1165906	118863	21289
068	MSD	QC1165907	117969	21253
069	SAMPLE	511288-002	118512	21357
070	SAMPLE	511288-003	119622	21500
071	SAMPLE	511094-001	126860	22530
072	SAMPLE	511094-002	126633	22442
073	SAMPLE	511094-003	125906	22442
074	CCV		120584	21410
075	CCB		124848	22198
076	BLANK	QC1165545	120106	21919
077	LCS	QC1165546	120643	21851
078	MSS	511220-001	119687	21789
079	MS	QC1165547	119174	21744
080	MSD	QC1165548	119356	21780
081	PDS	QC1165549	120434	21793
082	SAMPLE	511220-002	120588	21866
083	SAMPLE	511223-001	119341	21803
084	SAMPLE	511223-002	119141	21791
085	CCV		120574	21628
086	CCB		124209	22004
087	BLANK	QC1165765	122280	21722

ENTHALPY INITIAL CALIBRATION FOR 510951 METALS Wipe: EPA 6010B

Instrument:	MET12		
Calibration #:	794264073001	Date:	01-JUL-2024 09:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794264073002	L1	01-JUL-2024 09:16	S20849
L2	icp data	794264073003	L2	01-JUL-2024 09:19	S20848
L3	icp data	794264073004	L3	01-JUL-2024 09:22	S20847
L4	icp data	794264073005	L4	01-JUL-2024 09:25	S20846
L5	icp data	794264073006	L5	01-JUL-2024 09:29	S20845
L6	icp data	794264073007	L6	01-JUL-2024 09:32	S20614

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0032	9.73E-5		12066	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	16914	13147	11032	10695	10352	10257

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-30	0.0100	-4	0.1000	4	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12		
Calnum:	794264073001	Cal Date:	01-JUL-2024

- ICV 794264073010 (01-JUL-2024) stds: S21056

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.008	mg/L	1	10	

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073011	File:	icp data	Time:	01-JUL-2024 09:45
Cal:	794264073001	Caldate:	01-JUL-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	134295	129928	-3.25
Yttrium	R	23485	22907	-2.46

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073013	File:	icp data	Time:	01-JUL-2024 09:51
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S20577

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.005431]	0.003333	mg/L	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	389.5	mg/L	97	
Aluminum as Al2O3	A	755.8	736.0	mg/L	97	
Iron	A	160.0	146.2	mg/L	91	
Iron as Fe2O3	A	228.8	209.1	mg/L	91	
Calcium	R	400.0	385.8	mg/L	96	
Calcium as CaCO3	R	998.9	963.5	mg/L	96	
Magnesium	R	400.0	393.9	mg/L	98	
Magnesium as MgCO3	R	1388	1367	mg/L	98	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	112973	-15.88
Yttrium	R	23485	20613	-12.23

!=warning -=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073014	File:	icp data	Time:	01-JUL-2024 09:54
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21007

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9400	mg/L	-6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	113054	-15.82
Yttrium	R	23485	20576	-12.39

ENTHALPY CONTINUING CALIBRATION FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073037	File:	icp data	Time:	01-JUL-2024 11:06
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10271	1.000	0.9842	mg/L	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123105	-8.33
Yttrium	R	23485	21794	-7.20

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073038	File:	icp data	Time:	01-JUL-2024 11:09
Cal:	794264073001	Caldate:	01-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.003245]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	127397	-5.14
Yttrium	R	23485	22318	-4.97

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073049	File:	icp data	Time:	01-JUL-2024 11:46
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10301	1.000	0.9871	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123815	-7.80
Yttrium	R	23485	21980	-6.41

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073051	File:	icp data	Time:	01-JUL-2024 11:55
Cal:	794264073001	Caldate:	01-JUL-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	134295	130571	-2.77
Yttrium	R	23485	22679	-3.43

ENTHALPY CONTINUING CALIBRATION FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073062	File:	icp data	Time:	01-JUL-2024 12:30
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10354	1.000	0.9922	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123621	-7.95
Yttrium	R	23485	22121	-5.81

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073063	File:	icp data	Time:	01-JUL-2024 12:33
Cal:	794264073001	Caldate:	01-JUL-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	134295	127561	-5.01
Yttrium	R	23485	22661	-3.51

SAMPLE PREPARATION SUMMARY

Batch #:	344090	Prep Date:	01-JUL-2024 08:58	Started By:	SMP
Analysis:	ICP	Method:	3050B	Finished By:	SMP

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1165892 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1165893 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1165894 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
510950-004	Wipe	1.0875 ft2	50 mL	45.98				6010
510950-006	Wipe	1.0276 ft2	50 mL	48.66				6010
510950-008	Wipe	1 ft2	50 mL	50.0				6010
510950-009	Wipe	1 ft2	50 mL	50.0				6010
510950-011	Wipe	1.0828 ft2	50 mL	46.18				6010
510951-003	Wipe	1 ft2	50 mL	50.0				6010
510951-005	Wipe	1.0276 ft2	50 mL	48.66				6010
510951-006	Wipe	1.0276 ft2	50 mL	48.66				6010
510951-008	Wipe	1.0828 ft2	50 mL	46.18				6010
510951-010	Wipe	1.0828 ft2	50 mL	46.18				6010
510951-012	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: SBW 07/01/24

Reviewer: KLN 07/01/24

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: SMP Prep Method: 3050B / 3051 / Other: QC Batch #: 344090 Therm ID/Corr Factor: 942650 / 0

Prep Start, Date/Time: 7/1/24 8:58 Prep End, Date/Time: 7/1/24 10:55 HotBlock Temp (Obs/Cor), °C: 96 / 96

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g) ft²	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	1	NA	50	LV23120108-4128-	
LCS	-----	-----	-----	↓		↓	IM	
SMP 7/1/24 LCSD				↓				
~~510950-2~~	A			1.0828				
-4	↓			1.0875				
-6				1.0876				
-8				1.0				
-9				1.0				
-11				1.0828				
MP 7/1/24 ~~510951-3~~				1.0				
510951-5				1.0276				
-6				1.0276				
-8				1.0828				
-10				↓				
-12	↓			1.0276		↓		
			SMP 7/1/24					

Hydrochloric Acid ID: 10mL 24009610

Nitric Acid ID: 10mL 20231120 39

H_2O_2 ID: 3mL 303303

LCS Spike ID: 0.5mL (S20344, S20345)

MS/MSD Spike ID:

Gold Std ID:

ICP Raw Data

Enthalpy Sequence Summary for Sequence 794264073

Instrument: MET12 Begun: 07/01/24 09:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				07/01/24 09:13	1.0		
002	icp data	ICAL	L1			07/01/24 09:16	1.0	1	
003	icp data	ICAL	L2			07/01/24 09:19	1.0	2	
004	icp data	ICAL	L3			07/01/24 09:22	1.0	3	
005	icp data	ICAL	L4			07/01/24 09:25	1.0	4	
006	icp data	ICAL	L5			07/01/24 09:29	1.0	5	
007	icp data	ICAL	L6			07/01/24 09:32	1.0	6	
008	icp data	ICAL	L7			07/01/24 09:35	1.0	7	
009	icp data	ICAL	L8			07/01/24 09:38	1.0	8	
010	icp data	ICV				07/01/24 09:41	1.0	9	
011	icp data	ICB				07/01/24 09:45	1.0		
012	icp data	CRI				07/01/24 09:48	1.0	10	
013	icp data	ICSA				07/01/24 09:51	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				07/01/24 09:54	1.0	12	6:MGASMGCO3=1300
015	icp data	BLANK	QC1165563	Soil	344008	07/01/24 09:57	1.0	13	
016	icp data	LCS	QC1165564	Soil	344008	07/01/24 10:00	1.0	13	
017	icp data	MSS	511171-001	Soil	344008	07/01/24 10:04	1.0	13	6:ALASAL2O3=370
018	icp data	MS	QC1165565	Soil	344008	07/01/24 10:07	1.0	13	6:ALASAL2O3=410
019	icp data	MSD	QC1165566	Soil	344008	07/01/24 10:10	1.0	13	6:ALASAL2O3=410
020	icp data	PDS	QC1165567	Soil	344008	07/01/24 10:13	1.0	13	6:ALASAL2O3=360
021	icp data	SAMPLE	511185-001	Soil	344008	07/01/24 10:16	1.0	13	3:FE=210
022	icp data	SAMPLE	511215-001	Miscell.	344008	07/01/24 10:19	1.0	13	3:FE=140
023	icp data	SAMPLE	511215-006	Miscell.	344008	07/01/24 10:22	1.0	13	3:FE=140
024	icp data	SAMPLE	511248-001	Miscell.	344008	07/01/24 10:25	1.0	13	3:CA=1500
025	icp data	CCV				07/01/24 10:28	1.0	9	
026	icp data	CCB				07/01/24 10:32	1.0		
027	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 10:35	1.0	13	6:FE=480
028	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 10:38	1.0	13	6:FE=640
029	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 10:41	1.0	13	6:FE=320
030	icp data	SAMPLE	511119-001	Soil	344008	07/01/24 10:44	1.0	13	2:FE=110
031	icp data	SAMPLE	511119-002	Soil	344008	07/01/24 10:47	1.0	13	2:FE=120
032	icp data	SAMPLE	511119-003	Soil	344008	07/01/24 10:50	1.0	13	2:FE=120
033	icp data	SAMPLE	511121-003	Soil	344008	07/01/24 10:53	1.0	13	2:FE=290
034	icp data	SAMPLE	511175-001	Soil	344008	07/01/24 10:57	1.0	13	2:FE=290
035	icp data	SAMPLE	511175-002	Soil	344008	07/01/24 11:00	1.0	13	2:FE=120
036	icp data	SAMPLE	511227-001	Soil	344008	07/01/24 11:03	1.0	13	3:FE=170
037	icp data	CCV				07/01/24 11:06	1.0	9	
038	icp data	CCB				07/01/24 11:09	1.0		
039	icp data	SAMPLE	511227-002	Soil	344008	07/01/24 11:12	1.0	13	3:FE=160
040	icp data	SAMPLE	511227-003	Soil	344008	07/01/24 11:15	1.0	13	3:FE=210
041	icp data	BLANK	QC1165892	Wipe	344090	07/01/24 11:21	1.0	13	
042	icp data	BS	QC1165893	Wipe	344090	07/01/24 11:24	1.0	13	
043	icp data	BSD	QC1165894	Wipe	344090	07/01/24 11:27	1.0	13	
044	icp data	SAMPLE	510950-004	Wipe	344090	07/01/24 11:30	1.0	13	2:ZN=75
045	icp data	SAMPLE	510950-006	Wipe	344090	07/01/24 11:33	1.0	13	2:ZN=210
046	icp data	SAMPLE	510950-008	Wipe	344090	07/01/24 11:37	1.0	13	2:ZN=380
047	icp data	SAMPLE	510950-009	Wipe	344090	07/01/24 11:40	1.0	13	2:ZN=360
048	icp data	SAMPLE	510950-011	Wipe	344090	07/01/24 11:43	1.0	13	1:FE=64
049	icp data	CCV				07/01/24 11:46	1.0	9	
050	icp data	XCCB				07/01/24 11:49	1.0		
051	icp data	CCB				07/01/24 11:55	1.0		
052	icp data	SAMPLE	510951-003	Wipe	344090	07/01/24 11:58	1.0	13	2:ZN=130
053	icp data	SAMPLE	510951-005	Wipe	344090	07/01/24 12:01	1.0	13	2:ZN=340
054	icp data	SAMPLE	510951-006	Wipe	344090	07/01/24 12:05	1.0	13	2:ZN=270
055	icp data	SAMPLE	510951-008	Wipe	344090	07/01/24 12:08	1.0	13	1:FE=85

Enthalpy Sequence Summary for Sequence 794264073

Instrument: MET12 Begun: 07/01/24 09:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	510951-010	Wipe	344090	07/01/24 12:11	1.0	13	2:ZN=130
057	icp data	SAMPLE	510951-012	Wipe	344090	07/01/24 12:14	1.0	13	2:ZN=190
058	icp data	SAMPLE	511162-002	Wipe	344120	07/01/24 12:17	2.0	13	2:ZN=270
059	icp data	SAMPLE	511162-007	Wipe	344120	07/01/24 12:20	2.0	13	2:ZN=240
060	icp data	SAMPLE	511162-009	Wipe	344120	07/01/24 12:23	2.0	13	2:ZN=270
061	icp data	SAMPLE	511284-002	Miscell.	344074	07/01/24 12:26	1.0	13	2:AL=120
062	icp data	CCV				07/01/24 12:30	1.0	9	
063	icp data	CCB				07/01/24 12:33	1.0		
064	icp data	BLANK	QC1165904	Water	344093	07/01/24 12:36	1.0	13	
065	icp data	LCS	QC1165905	Water	344093	07/01/24 12:39	1.0	13	
066	icp data	MSS	511288-001	Water	344093	07/01/24 12:42	1.0	13	3:CAASCACO3=620
067	icp data	MS	QC1165906	Water	344093	07/01/24 12:45	1.0	13	3:CAASCACO3=660
068	icp data	MSD	QC1165907	Water	344093	07/01/24 12:48	1.0	13	3:CAASCACO3=660
069	icp data	SAMPLE	511288-002	Water	344093	07/01/24 12:51	1.0	13	1:FE=42
070	icp data	SAMPLE	511288-003	Water	344093	07/01/24 12:55	1.0	13	
071	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 12:58	100.0	13	
072	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 13:01	100.0	13	
073	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 13:04	100.0	13	
074	icp data	CCV				07/01/24 13:07	1.0	9	
075	icp data	CCB				07/01/24 13:10	1.0		
076	icp data	BLANK	QC1165545	Soil	344003	07/01/24 13:47	1.0	13	
077	icp data	LCS	QC1165546	Soil	344003	07/01/24 13:50	1.0	13	
078	icp data	MSS	511220-001	Soil	344003	07/01/24 13:53	1.0	13	4:FEASFE2O3=120
079	icp data	MS	QC1165547	Soil	344003	07/01/24 13:56	1.0	13	4:FEASFE2O3=130
080	icp data	MSD	QC1165548	Soil	344003	07/01/24 14:00	1.0	13	4:FEASFE2O3=130
081	icp data	PDS	QC1165549	Soil	344003	07/01/24 14:03	1.0	13	4:FEASFE2O3=120
082	icp data	SAMPLE	511220-002	Soil	344003	07/01/24 14:06	1.0	13	2:FE=56
083	icp data	SAMPLE	511223-001	Soil	344003	07/01/24 14:09	1.0	13	3:FE=220
084	icp data	SAMPLE	511223-002	Soil	344003	07/01/24 14:12	1.0	13	3:FE=250
085	icp data	CCV				07/01/24 14:15	1.0	9	
086	icp data	CCB				07/01/24 14:18	1.0		
087	icp data	BLANK	QC1165765	Soil	344061	07/01/24 14:21	1.0	13	

SBW 07/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 063.

Standards Used:
1=S20849 2=S20848 3=S20847 4=S20846 5=S20845 6=S20614 7=S20782 8=S20759 9=S21056 10=S20459 11=S20577 12=S21007 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	510951-003	Client ID:	DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB
Seqnum:	794264073052	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	344090	Time:	01-JUL-2024 11:58
Cal:	794264073001	Caldate:	01-JUL-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	7.454	370	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	119170	-11.26

u=use

Instrument ID: MET12

Label:	510951-003,344090	**Rack:Tube:**	1:31	**Type:**	Sample
Date Time:	7/1/2024 11:58:51 AM	**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 Coeffic
Ag 328.068	Ag	n!u	0.00001972	0.00001972	mg/L	35.90274898	0.00031084	1576.08765033	12.70558112	35.39		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149
Al 396.152	Al	n!	2.68520956	2.68520956	mg/L	103345.52081843	0.00410627	0.15292196	157.91643188	0.15	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444
As 188.980	As	n!	0.04022289	0.04022289	mg/L	181.55553299	0.00122717	3.05092101	5.65840014	3.12	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989
B 249.678	B	n!	0.01120598	0.01120598	mg/L	689.72291161	0.00037578	3.35336564	13.05112210	1.89	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949
Ba 230.424	Ba	n!	0.02888413	0.02888413	mg/L	3886.27456587	0.00004359	0.15091633	5.75779830	0.15	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267
Be 313.107	Be	n!	0.00006638	0.00006638	mg/L	57.08302086	0.00000319	4.80335749	3.80372503	6.66	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46
Ca 317.933	Ca-R	n!	9.06362364	9.06362364	mg/L	58997.83106345	0.02080173	0.22950788	133.70925435	0.23	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475
Cd 214.439	Cd	n!	0.00032117	0.00032117	mg/L	221.19264439	0.00005109	15.90857946	9.73773678	4.40	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498
Co 230.786	Co	n!	0.00612776	0.00612776	mg/L	364.45648920	0.00023440	3.82517260	11.48303834	3.15	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240
Cr 267.716	Cr	n!	0.03184090	0.03184090	mg/L	1489.48258926	0.00026928	0.84571534	12.92392054	0.87	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568
Cu 324.754	Cu	n!	0.33339416	0.33339416	mg/L	13873.01335975	0.00116368	0.34904039	45.52382178	0.33	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575
Fe 259.940	Fe	n!o	46.37028922	46.37028922	mg/L	1606109.68868414	0.04327343	0.09332146	1498.77983684	0.09	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050
K 766.491	K-R	n!	Uncal	Uncal	mg/L	1205.54381548	-	-	80.32098682	6.66	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906
Li 670.783	Li-R	n!	0.01362638	0.01362638	mg/L	382.91806857	0.00078569	5.76592160	27.90956973	7.29	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444
Mg 279.800	Mg-R	n!	3.61204888	3.61204888	mg/L	1620.72091777	0.02355409	0.65209776	10.55527720	0.65	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276
Mn 257.610	Mn	n!	0.35679296	0.35679296	mg/L	129146.82855096	0.00442688	1.24074242	1598.63606872	1.24	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137
Mo 204.598	Mo	n!	0.00260288	0.00260288	mg/L	37.56453311	0.00052517	20.17652499	7.14430742	19.02	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055
Na 589.592	Na-R	n!	2.40423099	2.40423099	mg/L	10560.73668709	0.00614348	0.25552779	27.17117008	0.26	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646
Ni 231.604	Ni	n!	0.14144707	0.14144707	mg/L	2748.53876455	0.00029471	0.20835525	5.71861159	0.21	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411
P 177.434	P	n!	0.59012290	0.59012290	mg/L	51.37361731	0.01994422	3.37967305	1.69409453	3.30		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086
Pb 220.353	Pb	n!	7.45432218	7.45432218	mg/L	77587.33704970	0.02632122	0.35310010	273.83775668	0.35	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883
S 181.972	S	n!	5.06041686	5.06041686	mg/L	5761.25844935	0.04491289	0.88753339	49.49430331	0.86		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665
Sb 206.834	Sb	n!	0.00450273	0.00450273	mg/L	-6.58860815	0.00119385	26.51378757	4.16576136	63.23	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372
Se 196.026	Se	n!	0.00723604	0.00723604	mg/L	51.79828755	0.00075871	10.48515817	2.55853922	4.94	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031
Si 251.611	Si	n!	5.61367058	5.61367058	mg/L	19246.25019352	0.03471000	0.61831208	115.79508579	0.60		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242
Sn 189.925	Sn	n!	0.05391552	0.05391552	mg/L	559.62515362	0.00059671	1.10675179	5.87441324	1.05	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341
Sr 421.552	Sr-R	n!	0.01662941	0.01662941	mg/L	3228.64400355	0.00010296	0.61916152	18.38654205	0.57	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417
Ti 334.941	Ti	n!	0.16036619	0.16036619	mg/L	33280.09415304	0.01905299	11.88092838	3945.73897291	11.86	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873
Tl 190.794	Tl	n!u	-0.00241578	-0.00241578	mg/L	-4.37726990	0.00018759	7.76504088	0.81727539	18.67	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942
V 292.401	V	n!	0.00774823	0.00774823	mg/L	161.50212308	0.00028022	3.61656256	8.23043546	5.10	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798
Zn 206.200	Zn	n!o	126.98923030	126.98923030	mg/L	3882193.91984080	0.15523008	0.12223878	4745.11351558	0.12	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600
Y 371.029	Y	!	0.89	0.89	Ratio	119169.57	0.01	1.50	1792.26	1.50		-	-	-	Fitted	-	-
Y 371.029	Y-R	!	0.92	0.92	Ratio	21705.87	0.00	0.18	38.16	0.18		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	510951-005	Client ID:	DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA
Seqnum:	794264073053	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	344090	Time:	01-JUL-2024 12:01
Cal:	794264073001	Caldate:	01-JUL-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	5.462	270	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	119349	-11.13

u=use

Instrument ID: MET12

Label:	510951-005,344090	Rack:Tube:	1:32	Type:	Sample
Date Time:	7/1/2024 12:01:59 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
Ag 328.068	Ag	n	0.00214663	0.00214663	mg/L	122.55975456	0.00033725	15.71059884	13.78490385	11.25		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6
Al 396.152	Al	n	2.52077136	2.52077136	mg/L	97037.09257212	0.00838725	0.33272539	322.55122568	0.33	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3
As 188.980	As	n	0.03432433	0.03432433	mg/L	154.34609662	0.00135955	3.96090455	6.26882158	4.06	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93
B 249.678	B	n	0.01359583	0.01359583	mg/L	771.87713767	0.00025160	1.85057816	8.73836643	1.13	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9
Ba 230.424	Ba	n	0.02460978	0.02460978	mg/L	3322.00545489	0.00003954	0.16067305	5.22290019	0.16	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087
Be 313.107	Be	n	0.00004294	0.00004294	mg/L	29.04102769	0.00001338	31.16201442	15.96422318	54.97	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	119303
Ca 317.933	Ca-R	n	9.66883935	9.66883935	mg/L	62891.29251564	0.01318734	0.13639008	84.76550161	0.13	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79
Cd 214.439	Cd	n	0.00165891	0.00165891	mg/L	487.73984000	0.00004000	2.41126586	7.62348050	1.56	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583
Co 230.786	Co	n	0.00644383	0.00644383	mg/L	381.56394882	0.00032233	5.00208844	15.79063452	4.14	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6
Cr 267.716	Cr	n	0.03269560	0.03269560	mg/L	1530.63423592	0.00012295	0.37604625	5.90086074	0.39	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7
Cu 324.754	Cu	n	0.24624526	0.24624526	mg/L	10459.62442135	0.00092419	0.37531138	36.15468956	0.35	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5
Fe 259.940	Fe	no	50.80137424	50.80137424	mg/L	1759581.05960379	0.03570616	0.07028581	1236.68644134	0.07	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1
K 766.491	K-R	n	Uncal	Uncal	mg/L	1131.34642054	-	-	37.99805730	3.36	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601
Li 670.783	Li-R	n	0.01371227	0.01371227	mg/L	386.17826679	0.00103199	7.52603896	36.65892689	9.49	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5
Mg 279.800	Mg-R	n	3.59141035	3.59141035	mg/L	1612.34620739	0.02084295	0.58035548	9.34033462	0.58	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129
Mn 257.610	Mn	n	0.32894318	0.32894318	mg/L	119102.40796965	0.00110412	0.33565547	398.71845076	0.33	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120
Mo 204.598	Mo	n	0.00355832	0.00355832	mg/L	50.43795257	0.00012215	3.43277235	1.66169181	3.29	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8
Na 589.592	Na-R	n	2.29128267	2.29128267	mg/L	10061.00002006	0.00435464	0.19005230	19.25953579	0.19	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76
Ni 231.604	Ni	n	0.06349501	0.06349501	mg/L	1236.78491172	0.00045100	0.71029600	8.75127099	0.71	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0
P 177.434	P	n	0.63094157	0.63094157	mg/L	54.83859088	0.01693284	2.68374171	1.43830284	2.62		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416
Pb 220.353	Pb	n	5.46208943	5.46208943	mg/L	56861.78160434	0.03677066	0.67319766	382.55046827	0.67	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6
S 181.972	S	n	5.43939126	5.43939126	mg/L	6178.73545863	0.04439868	0.81624358	48.92764311	0.79		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00
Sb 206.834	Sb	nu	-0.07697025	-0.07697025	mg/L	-290.10310031	0.00129024	1.67628657	4.50212350	1.55	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36
Se 196.026	Se	n	0.00547011	0.00547011	mg/L	45.38788213	0.00194522	35.56090475	6.55971700	14.45	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22
Si 251.611	Si	n	5.66904459	5.66904459	mg/L	19430.93282012	0.03901267	0.68817017	130.14910549	0.67		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07
Sn 189.925	Sn	n	0.04120802	0.04120802	mg/L	434.68727546	0.00066267	1.60812080	6.52380240	1.50	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65
Sr 421.552	Sr-R	n	0.01943357	0.01943357	mg/L	3730.65164503	0.00008089	0.41624794	14.44521152	0.39	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574
Ti 334.941	Ti	n	0.10419537	0.10419537	mg/L	21647.65790800	0.00226181	2.17073591	468.40396543	2.16	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092
Tl 190.794	Tl	nu	-0.00043760	-0.00043760	mg/L	4.23568620	0.00108251	247.37378577	4.71625726	> 100.00	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78
V 292.401	V	n	0.00644441	0.00644441	mg/L	119.07542380	0.00020603	3.19706593	6.05144242	5.08	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3
Zn 206.200	Zn	no	337.41758109	337.41758109	mg/L	10314656.49142840	2.02102482	0.59896844	61779.21214101	0.60	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2
Y 371.029	Y		0.89	0.89	Ratio	119348.59	0.01	1.04	1240.16	1.04		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.91	0.91	Ratio	21439.36	0.00	0.41	87.52	0.41		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	510951-006	Client ID:	DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA
Seqnum:	794264073054	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	344090	Time:	01-JUL-2024 12:05
Cal:	794264073001	Caldate:	01-JUL-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	3.827	190	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	118832	-11.51

u=use

Instrument ID: MET12

Label:	510951-006,344090	**Rack:Tube:**	1:33	**Type:**	Sample
Date Time:	7/1/2024 12:05:06 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 Coeffici
Ag 328.068	Ag	n	0.00060456	0.00060456	mg/L	58.82802719	0.00052203	86.34848150	21.33787257	36.27		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.61495
Al 396.152	Al	n	1.76846636	1.76846636	mg/L	68129.30127571	0.00481694	0.27237965	185.24681535	0.27	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.34448
As 188.980	As	n	0.03731188	0.03731188	mg/L	168.09644255	0.00092101	2.46841190	4.24672637	2.53	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.939898
B 249.678	B	n	0.01158205	0.01158205	mg/L	699.98519965	0.00062797	5.42188511	21.80987409	3.12	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.99493
Ba 230.424	Ba	n	0.01661387	0.01661387	mg/L	2266.45940679	0.00004696	0.28262685	6.20219062	0.27	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.2673
Be 313.107	Be	n	0.00003406	0.00003406	mg/L	18.30158254	0.00000679	19.93051826	8.09974224	44.26	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.463
Ca 317.933	Ca-R	n	8.71728439	8.71728439	mg/L	56782.11622672	0.01742459	0.19988555	112.00169833	0.20	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.794757
Cd 214.439	Cd	n	0.00067636	0.00067636	mg/L	326.14897932	0.00003463	5.12033874	6.60030141	2.02	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.4988
Co 230.786	Co	n	0.00676218	0.00676218	mg/L	400.70807373	0.00009897	1.46359407	4.84854446	1.21	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.62404
Cr 267.716	Cr	n	0.03372953	0.03372953	mg/L	1580.42770117	0.00013982	0.41452307	6.71032895	0.42	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.75689
Cu 324.754	Cu	n	0.25620283	0.25620283	mg/L	10840.03314081	0.00093502	0.36495377	36.57857765	0.34	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.55752
Fe 259.940	Fe	no	61.49809981	61.49809981	mg/L	2130062.47756805	0.23069100	0.37511891	7990.00703768	0.38	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.10504
K 766.491	K-R	n	Uncal	Uncal	mg/L	1138.32841526	-	-	26.36866936	2.32	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.6019065
Li 670.783	Li-R	n	0.01311368	0.01311368	mg/L	365.06222528	0.00048144	3.67130861	17.10209778	4.68	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.54442
Mg 279.800	Mg-R	n	3.18696064	3.18696064	mg/L	1433.02750232	0.00932333	0.29254608	4.17805647	0.29	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.1292766
Mn 257.610	Mn	n	0.34593195	0.34593195	mg/L	125265.09575754	0.00142345	0.41148256	514.03632220	0.41	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.1375
Mo 204.598	Mo	n	0.00319094	0.00319094	mg/L	45.15130848	0.00056470	17.69683519	7.68201345	17.01	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.80558
Na 589.592	Na-R	n	2.22000407	2.22000407	mg/L	9745.39812322	0.01749773	0.78818459	77.38837375	0.79	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.766464
Ni 231.604	Ni	n	0.06718785	0.06718785	mg/L	1310.22761856	0.00028480	0.42388919	5.52631070	0.42	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.04119
P 177.434	P	n	0.62374476	0.62374476	mg/L	54.22083511	0.03362689	5.39113037	2.85632238	5.27		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.94160864
Pb 220.353	Pb	n	3.82721313	3.82721313	mg/L	39855.38212726	0.01466694	0.38322761	152.59024592	0.38	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.68832
S 181.972	S	n	5.27346899	5.27346899	mg/L	5995.40487340	0.05478965	1.03896797	60.37856325	1.01		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658
Sb 206.834	Sb	nu	-0.01994790	-0.01994790	mg/L	-89.40600583	0.00231458	11.60310863	8.07639914	9.03	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.363729
Se 196.026	Se	n	0.00712657	0.00712657	mg/L	49.95228623	0.00076454	10.72807115	2.57821014	5.16	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.220313
Si 251.611	Si	n	4.42466239	4.42466239	mg/L	15279.47970266	0.09710193	2.19456141	323.93908202	2.12		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.072424
Sn 189.925	Sn	n	0.04513321	0.04513321	mg/L	473.67963947	0.00060827	1.34771481	5.98817784	1.26	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.653412
Sr 421.552	Sr-R	n	0.01532699	0.01532699	mg/L	2996.48119286	0.00008038	0.52444314	14.35405326	0.48	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.4173
Ti 334.941	Ti	n	0.09352911	0.09352911	mg/L	19439.14580774	0.00184042	1.96774675	381.13704652	1.96	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.8737
Tl 190.794	Tl	nu	-0.00325211	-0.00325211	mg/L	-8.04251268	0.00043675	13.42965433	1.90281640	23.66	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.789424
V 292.401	V	n	0.00474399	0.00474399	mg/L	59.83758509	0.00026155	5.51323840	7.68201086	12.84	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.37987
Zn 206.200	Zn	no	273.07096396	273.07096396	mg/L	8347767.52945587	3.01253231	1.10320492	92087.87097830	1.10	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.26001
Y 371.029	Y		0.88	0.88	Ratio	118831.59	0.01	1.59	1887.42	1.59		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	21569.43	0.00	0.05	9.94	0.05		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	510951-008	Client ID:	DOOR-S-15.3GE-PS-17-240627-L-G
Seqnum:	794264073055	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	344090	Time:	01-JUL-2024 12:08
Cal:	794264073001	Caldate:	01-JUL-2024		
IDF:	1.0	Raw Units:	mg/L	Units:	ug/ft2

- 1.08 ft2 ⇨ 50.0 ml = 46.18 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.138	140	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	119719	-10.85

u=use

Instrument ID: MET12

Label:	510951-008,344090	Rack:Tube:	1:34	Type:	Sample
Date Time:	7/1/2024 12:08:14 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 Coeffic
Ag 328.068	Ag	nu	-0.00023074	-0.00023074	mg/L	23.14152165	0.00015483	67.10009278	6.32861602	27.35		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149
Al 396.152	Al	n	1.60936096	1.60936096	mg/L	62070.65769159	0.00061081	0.03795343	23.49003929	0.04	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444
As 188.980	As	n	0.04569028	0.04569028	mg/L	206.69226958	0.00144231	3.15670400	6.65039107	3.22	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989
B 249.678	B	n	0.01078022	0.01078022	mg/L	667.90398118	0.00056392	5.23109777	19.58563938	2.93	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949
Ba 230.424	Ba	n	0.01327736	0.01327736	mg/L	1827.59532946	0.00001878	0.14141074	2.48001998	0.14	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267
Be 313.107	Be	n	0.00002477	0.00002477	mg/L	6.77479897	0.00000632	25.51387533	7.53930280	> 100.00	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46
Ca 317.933	Ca-R	n	7.79827236	7.79827236	mg/L	50891.13836638	0.01556377	0.19957968	100.04069794	0.20	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475
Cd 214.439	Cd	n	0.00010363	0.00010363	mg/L	274.94178862	0.00005751	55.49632930	10.96048104	3.99	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498
Co 230.786	Co	n	0.01123493	0.01123493	mg/L	627.88968955	0.00020797	1.85106160	10.18815202	1.62	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240
Cr 267.716	Cr	n	0.03647635	0.03647635	mg/L	1712.75861527	0.00027102	0.74299393	13.00712575	0.76	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568
Cu 324.754	Cu	n	0.15507225	0.15507225	mg/L	6863.57512807	0.00103475	0.66727045	40.48004751	0.59	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575
Fe 259.940	Fe	no	85.34703947	85.34703947	mg/L	2956072.38434052	0.31607839	0.37034488	10947.40839821	0.37	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050
K 766.491	K-R	n	Uncal	Uncal	mg/L	1153.71775492	-	-	59.21587934	5.13	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906
Li 670.783	Li-R	n	0.01264290	0.01264290	mg/L	348.99877751	0.00104937	8.30010432	37.27641799	10.68	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444
Mg 279.800	Mg-R	n	3.04535236	3.04535236	mg/L	1373.92409584	0.01400999	0.46004495	6.27828655	0.46	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276
Mn 257.610	Mn	n	0.54718369	0.54718369	mg/L	198004.13863149	0.00343052	0.62694203	1238.83148333	0.63	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137
Mo 204.598	Mo	n	0.00276428	0.00276428	mg/L	38.99839924	0.00028480	10.30270607	3.87430538	9.93	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055
Na 589.592	Na-R	n	2.07700646	2.07700646	mg/L	9111.98052787	0.00703461	0.33868974	31.11242753	0.34	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646
Ni 231.604	Ni	n	0.04259123	0.04259123	mg/L	837.04166361	0.00042872	1.00658266	8.31882094	0.99	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411
P 177.434	P	n	0.65408509	0.65408509	mg/L	56.78462941	0.01947831	2.97794803	1.65451934	2.91		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086
Pb 220.353	Pb	n	3.13838863	3.13838863	mg/L	32692.05875996	0.03797999	1.21017485	395.13197767	1.21	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883
S 181.972	S	n	4.81327583	4.81327583	mg/L	5487.54451561	0.05678231	1.17970199	62.57448477	1.14		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665
Sb 206.834	Sb	n	0.01536559	0.01536559	mg/L	37.62733724	0.00378514	24.63384911	13.20772098	35.10	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372
Se 196.026	Se	n	0.00533661	0.00533661	mg/L	41.64912623	0.00208120	38.99855049	7.01827295	16.85	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031
Si 251.611	Si	n	3.86116537	3.86116537	mg/L	13399.44674116	0.01362096	0.35276823	45.44052544	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242
Sn 189.925	Sn	n	0.03981511	0.03981511	mg/L	422.14482941	0.00040668	1.02142605	4.00364266	0.95	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341
Sr 421.552	Sr-R	n	0.01218501	0.01218501	mg/L	2435.56314078	0.00003287	0.26977547	5.87012598	0.24	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417
Ti 334.941	Ti	n	0.11634485	0.11634485	mg/L	24165.09724018	0.00079159	0.68038143	163.93238695	0.68	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873
Tl 190.794	Tl	nu	-0.00297808	-0.00297808	mg/L	-6.86604601	0.00021968	7.37650233	0.95709248	13.94	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942
V 292.401	V	n	0.00946444	0.00946444	mg/L	177.61360795	0.00039082	4.12939849	11.47905885	6.46	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798
Zn 206.200	Zn	n	10.84856405	10.84856405	mg/L	332254.80744933	0.06923876	0.63822971	2116.50837790	0.64	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600
Y 371.029	Y		0.89	0.89	Ratio	119718.88	0.02	2.14	2558.39	2.14		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21762.21	0.00	0.22	48.31	0.22		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	510951-010	Client ID:	DOOR-S-15.4GE-PS-17-240627-L-G
Seqnum:	794264073056	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	344090	Time:	01-JUL-2024 12:11
Cal:	794264073001	Caldate:	01-JUL-2024		
IDF:	1.0	Raw Units:	mg/L	Units:	ug/ft2

- 1.08 ft2 ⇨ 50.0 ml = 46.18 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	7.482	350	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	122229	-8.98

u=use

Instrument ID: MET12

Label:	510951-010,344090	**Rack:Tube:**	1:35	**Type:**	Sample
Date Time:	7/1/2024 12:11:21 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 Coeffici
Ag 328.068	Ag	nu	-0.00022999	-0.00022999	mg/L	25.70204760	0.00012324	53.58382307	5.03727900	19.60		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.61495
Al 396.152	Al	n	2.85671085	2.85671085	mg/L	109941.73903989	0.02048940	0.71723754	787.96801191	0.72	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.34448
As 188.980	As	n	0.03078283	0.03078283	mg/L	138.02992352	0.00115981	3.76771886	5.34781629	3.87	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.939898
B 249.678	B	n	0.00966114	0.00966114	mg/L	636.09390203	0.00018362	1.90063291	6.37740171	1.00	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.99493
Ba 230.424	Ba	n	0.01847639	0.01847639	mg/L	2511.61244891	0.00022181	1.20053060	29.29889746	1.17	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.2673
Be 313.107	Be	n	0.00004108	0.00004108	mg/L	26.89292094	0.00000885	21.55339723	10.56352151	39.28	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.463
Ca 317.933	Ca-R	n	9.23654027	9.23654027	mg/L	60109.28981664	0.00714466	0.07735213	45.92441400	0.08	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.794757
Cd 214.439	Cd	n	0.00023389	0.00023389	mg/L	204.56144821	0.00006942	29.68099567	13.23068665	6.47	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.4988
Co 230.786	Co	n	0.00723579	0.00723579	mg/L	418.74673374	0.00019517	2.69727167	9.56125655	2.28	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.62404
Cr 267.716	Cr	n	0.02397211	0.02397211	mg/L	1111.84187640	0.00024735	1.03181225	11.87111887	1.07	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.75689
Cu 324.754	Cu	n	0.09373674	0.09373674	mg/L	4497.55088406	0.00099124	1.05747121	38.77782266	0.86	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.55752
Fe 259.940	Fe	no	46.18313595	46.18313595	mg/L	1599627.80782742	0.30584284	0.66223922	10592.89886515	0.66	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.10504
K 766.491	K-R	n	Uncal	Uncal	mg/L	992.29425597	-	-	9.26114154	0.93	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.6019065
Li 670.783	Li-R	n	0.01346188	0.01346188	mg/L	377.13142048	0.00093097	6.91561896	33.07051703	8.77	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.54442
Mg 279.800	Mg-R	n	3.82135610	3.82135610	mg/L	1714.51840166	0.01495916	0.39146204	6.70363690	0.39	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.1292766
Mn 257.610	Mn	n	0.42553772	0.42553772	mg/L	153972.04733950	0.00439055	1.03176636	1585.51781898	1.03	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.1375
Mo 204.598	Mo	n	0.00255215	0.00255215	mg/L	36.90775872	0.00042544	16.66986306	5.78760358	15.68	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.80558
Na 589.592	Na-R	n	1.93271613	1.93271613	mg/L	8475.30978760	0.00347819	0.17996406	15.38324168	0.18	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.766464
Ni 231.604	Ni	n	0.03212155	0.03212155	mg/L	627.19712782	0.00036829	1.14656000	7.14636866	1.14	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.04119
P 177.434	P	n	0.61200166	0.61200166	mg/L	53.23231930	0.01288994	2.10619440	1.09489264	2.06		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.94160864
Pb 220.353	Pb	n	7.48230983	7.48230983	mg/L	77878.25255797	0.09061166	1.21101181	942.69542449	1.21	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.68832
S 181.972	S	n	4.45081050	4.45081050	mg/L	5089.50812560	0.05456066	1.22585902	60.12621265	1.18		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658
Sb 206.834	Sb	n	0.00301050	0.00301050	mg/L	-11.80456743	0.00250402	83.17607158	8.73742447	74.02	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.363729
Se 196.026	Se	n	0.00418263	0.00418263	mg/L	41.50612439	0.00188100	44.97167551	6.34314333	15.28	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.220313
Si 251.611	Si	n	5.73956655	5.73956655	mg/L	19666.25434711	0.07511016	1.30863813	250.57292126	1.27		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.072424
Sn 189.925	Sn	n	0.03010332	0.03010332	mg/L	325.20565370	0.00101110	3.35877769	9.95396578	3.06	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.653412
Sr 421.552	Sr-R	n	0.01635176	0.01635176	mg/L	3179.25983856	0.00008183	0.50041767	14.61222237	0.46	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.4173
Ti 334.941	Ti	n	0.16927436	0.16927436	mg/L	35124.92754615	0.00730457	4.31522754	1512.72522181	4.31	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.8737
Tl 190.794	Tl	nu	-0.00272459	-0.00272459	mg/L	-5.72086650	0.00074929	27.50094278	3.26448413	57.06	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.789424
V 292.401	V	n	0.01104168	0.01104168	mg/L	258.24744528	0.00046240	4.18773321	13.58120561	5.26	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.37987
Zn 206.200	Zn	no	127.61483941	127.61483941	mg/L	3901317.71633310	0.60324885	0.47271058	18440.26767900	0.47	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.26001
Y 371.029	Y		0.91	0.91	Ratio	122228.97	0.02	1.81	2217.10	1.81		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	22125.85	0.00	0.45	100.28	0.45		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	510951-012	Client ID:	DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA
Seqnum:	794264073057	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	344090	Time:	01-JUL-2024 12:14
Cal:	794264073001	Caldate:	01-JUL-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	7.831	380	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	122122	-9.06

u=use

Instrument ID: MET12

Label:	510951-012,344090	**Rack:Tube:**	1:36	**Type:**	Sample
Date Time:	7/1/2024 12:14:28 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 Coeffi
Ag 328.068	Ag	n	0.00024628	0.00024628	mg/L	45.05378175	0.00025858	104.99722334	10.56946635	23.46		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149
Al 396.152	Al	n	3.74921631	3.74921631	mg/L	144295.72513420	0.02413171	0.64364689	928.04165118	0.64	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444
As 188.980	As	n	0.03465958	0.03465958	mg/L	155.91159674	0.00023759	0.68548483	1.09549548	0.70	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989
B 249.678	B	n	0.01070169	0.01070169	mg/L	671.71630711	0.00021334	1.99353728	7.40958365	1.10	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949
Ba 230.424	Ba	n	0.04667157	0.04667157	mg/L	6236.51092289	0.00013807	0.29583432	18.23735846	0.29	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267
Be 313.107	Be	n	0.00014493	0.00014493	mg/L	150.60315865	0.00000902	6.22557973	10.76433213	7.15	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46
Ca 317.933	Ca-R	n	13.44146884	13.44146884	mg/L	87140.44604874	0.07369702	0.54828097	473.70929569	0.54	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475
Cd 214.439	Cd	n	0.00060120	0.00060120	mg/L	284.43036967	0.00010942	18.19948097	20.85287945	7.33	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498
Co 230.786	Co	n	0.00628073	0.00628073	mg/L	373.42721833	0.00046182	7.35295324	22.62435552	6.06	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240
Cr 267.716	Cr	n	0.02934409	0.02934409	mg/L	1370.01383422	0.00013997	0.47698597	6.71755164	0.49	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568
Cu 324.754	Cu	n	0.20065520	0.20065520	mg/L	8677.20881224	0.00176749	0.88085972	69.14522722	0.80	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575
Fe 259.940	Fe	no	49.79370871	49.79370871	mg/L	1724683.01382631	0.30287069	0.60825091	10489.95801689	0.61	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050
K 766.491	K-R	n	Uncal	Uncal	mg/L	1174.09714208	-	-	33.49292429	2.85	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906
Li 670.783	Li-R	n	0.01445231	0.01445231	mg/L	413.05546052	0.00097493	6.74584937	34.63203962	8.38	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444
Mg 279.800	Mg-R	n	4.18098687	4.18098687	mg/L	1876.43571060	0.03650237	0.87305641	16.35778236	0.87	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276
Mn 257.610	Mn	n	0.49653401	0.49653401	mg/L	179621.66476990	0.00353862	0.71266478	1277.86803996	0.71	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137
Mo 204.598	Mo	n	0.00309997	0.00309997	mg/L	44.50518698	0.00042393	13.67513812	5.76699729	12.96	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055
Na 589.592	Na-R	n	2.49223331	2.49223331	mg/L	10949.56401442	0.01969493	0.79025213	87.10606209	0.80	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646
Ni 231.604	Ni	n	0.05323378	0.05323378	mg/L	1037.63882250	0.00047427	0.89092645	9.20282832	0.89	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411
P 177.434	P	n	0.64886074	0.64886074	mg/L	56.36347991	0.01442593	2.22327045	1.22536162	2.17		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086
Pb 220.353	Pb	n	7.83058041	7.83058041	mg/L	81500.54666295	0.07035190	0.89842510	731.91923879	0.90	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883
S 181.972	S	n	5.23621035	5.23621035	mg/L	5955.34821248	0.05623205	1.07390734	61.96809077	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665
Sb 206.834	Sb	nu	-0.00014718	-0.00014718	mg/L	-22.24250902	0.00039356	267.39578741	1.37327715	6.17	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372
Se 196.026	Se	n	0.00433689	0.00433689	mg/L	41.68476559	0.00194587	44.86794332	6.56191364	15.74	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031
Si 251.611	Si	n	6.56837832	6.56837832	mg/L	22431.24132763	0.05988319	0.91168904	199.77464220	0.89		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242
Sn 189.925	Sn	n	0.04141472	0.04141472	mg/L	436.73727968	0.00025011	0.60392510	2.46228469	0.56	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341
Sr 421.552	Sr-R	n	0.02403072	0.02403072	mg/L	4557.80896818	0.00022822	0.94969924	40.75417929	0.89	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417
Ti 334.941	Ti	n	0.20895762	0.20895762	mg/L	43343.11011499	0.01594624	7.63132893	3302.35331346	7.62	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873
Tl 190.794	Tl	nu	-0.00231367	-0.00231367	mg/L	-3.91546979	0.00084798	36.65094108	3.69447166	94.36	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942
V 292.401	V	n	0.00847054	0.00847054	mg/L	179.48509365	0.00032399	3.82488416	9.51598369	5.30	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798
Zn 206.200	Zn	no	188.25709152	188.25709152	mg/L	5755075.07292079	1.48205169	0.78724880	45303.74147620	0.79	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600
Y 371.029	Y		0.91	0.91	Ratio	122122.24	0.01	1.63	1987.77	1.63		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	21674.45	0.00	0.46	100.55	0.46		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12	Lab ID:	QC1165892		
Seqnum:	794264073041.2	Matrix:	Wipe		
File:	icp data	Batch:	344090	Time:	01-JUL-2024 11:21
Cal:	794264073001	Caldate:	01-JUL-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	0.002555	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	134295	121589	-9.46

u=use

Instrument ID: MET12

Label:	BLANK,QC1165892,344090	Rack:Tube:	1:23	Type:	Sample
Date Time:	7/1/2024 11:21:26 AM	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	-0.00025845	-0.00025845	mg/L	26.94306256	0.00007147	27.65482729	2.92146927	10.84		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	0.03202067	0.03202067	mg/L	1147.22076190	0.00064470	2.01337696	24.79332701	2.16	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	0.00293326	0.00293326	mg/L	9.64925019	0.00093040	31.71908816	4.29003862	44.46	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	nu	-0.00509231	-0.00509231	mg/L	130.74147059	0.00000806	0.15834765	0.28005519	0.21	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	0.00023657	0.00023657	mg/L	97.51543593	0.00011021	46.58724178	14.55740503	14.93	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	0.00002531	0.00002531	mg/L	9.22219411	0.00000516	20.39066443	6.15680771	66.76	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	0.03236104	0.03236104	mg/L	917.18621962	0.00078253	2.41812880	5.02995204	0.55	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00011675	-0.00011675	mg/L	31.48389463	0.00003846	32.94443067	7.33030135	23.28	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	nu	-0.00010338	-0.00010338	mg/L	44.11768269	0.00018746	181.32961532	9.18367037	20.82	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.00029492	0.00029492	mg/L	-26.13459695	0.00013119	44.48166313	6.29606214	24.09	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	0.00310131	0.00310131	mg/L	987.23301297	0.00076639	24.71167949	29.98143560	3.04	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	0.05368224	0.05368224	mg/L	1921.81028378	0.00120426	2.24331677	41.70976109	2.17	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	36.12950028	-	-	44.89560714	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	0.00964400	0.00964400	mg/L	238.16333293	0.00094552	9.80419435	33.58715797	14.10	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	0.01784949	0.01784949	mg/L	2.03030691	0.00166514	9.32879218	0.74619863	36.75	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.00421549	0.00421549	mg/L	1705.64274714	0.00002966	0.70364422	10.71156693	0.63	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	n	0.00058726	0.00058726	mg/L	10.16183410	0.00014850	25.28759449	2.02020833	19.88	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	0.02185507	0.02185507	mg/L	26.52198088	0.00203308	9.30256708	8.99185075	33.90	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	nu	-0.00068717	-0.00068717	mg/L	-17.34228815	0.00021311	31.01183036	4.13510538	23.84	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	nu	0.01454242	0.01454242	mg/L	2.49755893	0.01884879	129.61246354	1.60104629	64.10		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	0.00255510	0.00255510	mg/L	60.75737640	0.00073620	28.81315154	7.65923701	12.61	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	nu	-0.00375382	-0.00375382	mg/L	180.59506534	0.00411939	109.73859916	4.53959932	2.51		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00374839	0.00374839	mg/L	-16.00715674	0.00114339	30.50334510	3.98968853	24.92	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	nu	-0.00213507	-0.00213507	mg/L	24.22031740	0.00158952	74.44795246	5.36020801	22.13	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.220313509
Si 251.611	Si	nu	-0.11961068	-0.11961068	mg/L	119.81831446	0.00267951	2.24019572	8.93905048	7.46		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.072424663
Sn 189.925	Sn	n	0.01738538	0.01738538	mg/L	198.39530646	0.00087492	5.03251658	8.61330680	4.34	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.653412027
Sr 421.552	Sr-R	nu	-0.00090976	-0.00090976	mg/L	78.17707445	0.00011400	12.53114303	20.35817814	26.04	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	0.00301509	0.00301509	mg/L	692.13395041	0.00092285	30.60777682	191.11598398	27.61	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159
Tl 190.794	Tl	nu	-0.00069567	-0.00069567	mg/L	3.10207785	0.00060665	87.20405623	2.64304501	85.20	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.789424983
V 292.401	V	n	0.00019947	0.00019947	mg/L	-22.77282473	0.00018484	92.66873162	5.42913284	23.84	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	0.03724092	0.03724092	mg/L	1180.45924242	0.00034924	0.93779669	10.67578461	0.90	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.91	0.91	Ratio	121588.72	0.02	1.87	2269.19	1.87		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21888.82	0.00	0.13	28.25	0.13		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 510951 METALS Wipe
EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET12	Inst:	MET12
Seqnum:	794264073042.2	Seqnum:	794264073043.2
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1165893	Lab ID:	QC1165894
Matrix:	Wipe	Matrix:	Wipe
Batch:	344090	Batch:	344090
Time:	01-JUL-2024 11:24	Time:	01-JUL-2024 11:27
Cal:	794264073001	Cal:	794264073001
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	1.035	51.74	A	103	1.022	51.12	A	102	80-120	1	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	134295	120738	-10.09

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	134295	121465	-9.55

u=use

Instrument ID: MET12

Label:	BS,QC1165893,344090	**Rack:Tube:**	1:24	**Type:**	Sample
Date Time:	7/1/2024 11:24:33 AM	**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
Ag 328.068	Ag	n	0.49396088	0.49396088	mg/L	20227.94844731	0.00324255	0.65643808	132.53787477	0.66		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515
Al 396.152	Al	n	0.96446644	0.96446644	mg/L	37014.57827384	0.00419969	0.43544231	161.50911353	0.44	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835
As 188.980	As	n	0.94086279	0.94086279	mg/L	4334.39648405	0.00969707	1.03065741	44.71261656	1.03	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878
B 249.678	B	n	0.94964259	0.94964259	mg/L	33289.60726949	0.01121445	1.18091265	389.48898733	1.17	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383
Ba 230.424	Ba	n	1.08839602	1.08839602	mg/L	143829.96945990	0.00880006	0.80853504	1162.37629319	0.81	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378
Be 313.107	Be	n	1.00937078	1.00937078	mg/L	1204191.04572551	0.00458473	0.45421671	5469.73267908	0.45	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377
Ca 317.933	Ca-R	n	1.05001811	1.05001811	mg/L	7459.06054899	0.00309179	0.29445076	19.87336781	0.27	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475743
Cd 214.439	Cd	n	0.97689872	0.97689872	mg/L	186236.84357642	0.01059297	1.08434672	2018.84513408	1.08	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859
Co 230.786	Co	n	1.06108357	1.06108357	mg/L	52031.63861385	0.00943418	0.88910802	462.17688938	0.89	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466
Cr 267.716	Cr	n	1.01200247	1.01200247	mg/L	48529.61988781	0.00393426	0.38875946	188.81969364	0.39	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987
Cu 324.754	Cu	n	1.05133606	1.05133606	mg/L	41994.33226851	0.01038072	0.98738336	406.09944758	0.97	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210
Fe 259.940	Fe	n	1.09640765	1.09640765	mg/L	38037.85815007	0.00504160	0.45982898	174.61634885	0.46	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449
K 766.491	K-R	n	Uncal	Uncal	mg/L	4535.31953818	-	-	41.04387300	0.90	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575
Li 670.783	Li-R	n	1.06865639	1.06865639	mg/L	37857.33014313	0.00438332	0.41017148	155.70681150	0.41	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243
Mg 279.800	Mg-R	n	0.95045898	0.95045898	mg/L	420.13949706	0.01008104	1.06064924	4.51760734	1.08	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652
Mn 257.610	Mn	n	1.05009534	1.05009534	mg/L	379396.96669302	0.00396611	0.37769077	1432.24334764	0.38	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552
Mo 204.598	Mo	n	1.03464251	1.03464251	mg/L	14077.43315971	0.00189176	0.18284168	25.73510488	0.18	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854
Na 589.592	Na-R	n	15.47042203	15.47042203	mg/L	68351.73706581	0.04552554	0.29427472	201.34883689	0.29	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402
Ni 231.604	Ni	n	1.03090702	1.03090702	mg/L	19999.99331415	0.00368811	0.35775389	71.56423724	0.36	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993
P 177.434	P	nu	0.00357714	0.00357714	mg/L	1.56712778	0.00710141	198.52211395	0.60320536	38.49		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437
Pb 220.353	Pb	n	1.03480176	1.03480176	mg/L	10798.52019909	0.00765562	0.73981476	79.64664429	0.74	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276
S 181.972	S	n	0.02756786	0.02756786	mg/L	215.33761307	0.00500649	18.16060331	5.51718489	2.56		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665894
Sb 206.834	Sb	n	0.97434737	0.97434737	mg/L	3370.86331102	0.00265475	0.27246434	9.26338520	0.27	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955
Se 196.026	Se	n	0.83345229	0.83345229	mg/L	2841.94248660	0.00472138	0.56648417	15.92151750	0.56	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350
Si 251.611	Si	n	4.69678108	4.69678108	mg/L	16187.68217246	0.02670471	0.56857472	89.08884592	0.55		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466
Sn 189.925	Sn	n	0.01657470	0.01657470	mg/L	190.46822244	0.00012827	0.77387775	1.26275291	0.66	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202
Sr 421.552	Sr-R	n	1.05924249	1.05924249	mg/L	189395.96047039	0.00854029	0.80626379	1525.07706904	0.81	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300
Ti 334.941	Ti	n	1.05015176	1.05015176	mg/L	217546.77840615	0.00245642	0.23391050	508.70608934	0.23	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733
Tl 190.794	Tl	n	1.03499298	1.03499298	mg/L	4515.39038300	0.00775821	0.74959018	33.80086878	0.75	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498
V 292.401	V	n	1.03190423	1.03190423	mg/L	30279.07563251	0.00268155	0.25986453	78.76091589	0.26	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727
Zn 206.200	Zn	n	1.05005316	1.05005316	mg/L	32147.26767203	0.00805016	0.76664309	246.07938411	0.77	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181
Y 371.029	Y		0.90	0.90	Ratio	120738.04	0.02	2.07	2496.22	2.07		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21730.36	0.00	0.07	15.14	0.07		-	-	-	Fitted	-	-

Instrument ID: MET12

Label:	BSD,QC1165894,344090	**Rack:Tube:**	1:25	**Type:**	Sample
Date Time:	7/1/2024 11:27:41 AM	**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
Ag 328.068	Ag	n	0.48967844	0.48967844	mg/L	20052.90415606	0.00332225	0.67845535	135.79567263	0.68		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515
Al 396.152	Al	n	0.94519886	0.94519886	mg/L	36273.26960736	0.00654789	0.69275313	251.81463929	0.69	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835
As 188.980	As	n	0.93429283	0.93429283	mg/L	4304.10250369	0.01071450	1.14680355	49.40393075	1.15	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878
B 249.678	B	n	0.94935268	0.94935268	mg/L	33279.53713348	0.01053536	1.10974120	365.90345742	1.10	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383
Ba 230.424	Ba	n	1.07997230	1.07997230	mg/L	142717.29275788	0.00950160	0.87980073	1255.04093642	0.88	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378
Be 313.107	Be	n	0.99787725	0.99787725	mg/L	1190478.89450886	0.00303042	0.30368664	3615.38930932	0.30	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377
Ca 317.933	Ca-R	n	1.01034024	1.01034024	mg/L	7204.00905705	0.00401710	0.39759861	25.82108638	0.36	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475743
Cd 214.439	Cd	n	0.96742283	0.96742283	mg/L	184430.85426044	0.01022946	1.05739313	1949.56677511	1.06	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859
Co 230.786	Co	n	1.05013289	1.05013289	mg/L	51495.16126564	0.01129435	1.07551610	553.30587832	1.07	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466
Cr 267.716	Cr	n	0.99922204	0.99922204	mg/L	47916.23505191	0.00456780	0.45713542	219.22578275	0.46	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987
Cu 324.754	Cu	n	1.04292302	1.04292302	mg/L	41665.21412297	0.01268412	1.21620833	496.20971789	1.19	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210
Fe 259.940	Fe	n	1.08028047	1.08028047	mg/L	37479.24524624	0.00539570	0.49947238	186.88072507	0.50	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449
K 766.491	K-R	n	Uncal	Uncal	mg/L	4509.18172332	-	-	51.05765616	1.13	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575
Li 670.783	Li-R	n	1.05405776	1.05405776	mg/L	37338.73735994	0.00070343	0.06673570	24.98772557	0.07	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243
Mg 279.800	Mg-R	n	0.93862147	0.93862147	mg/L	414.83136524	0.00965101	1.02821155	4.32490210	1.04	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652
Mn 257.610	Mn	n	1.03815784	1.03815784	mg/L	375086.03381808	0.00570504	0.54953484	2060.20448492	0.55	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552
Mo 204.598	Mo	n	1.02117324	1.02117324	mg/L	13894.19488622	0.00350803	0.34352940	47.72256177	0.34	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854
Na 589.592	Na-R	n	15.26000609	15.26000609	mg/L	67421.12165329	0.01004468	0.06582356	44.42527306	0.07	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402
Ni 231.604	Ni	n	1.01809184	1.01809184	mg/L	19751.32179690	0.00743010	0.72980620	144.17391470	0.73	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993
P 177.434	P	nu	0.01609084	0.01609084	mg/L	2.63001842	0.02014196	125.17659866	1.71089087	65.05		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437
Pb 220.353	Pb	n	1.02242854	1.02242854	mg/L	10669.82986504	0.00896025	0.87636894	93.21960802	0.87	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276
S 181.972	S	n	0.03942789	0.03942789	mg/L	228.39965083	0.00348262	8.83289449	3.83787506	1.68		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665894
Sb 206.834	Sb	n	0.96700851	0.96700851	mg/L	3345.25412141	0.00456432	0.47200420	15.92657538	0.48	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955
Se 196.026	Se	n	0.83315053	0.83315053	mg/L	2840.92567011	0.00942110	1.13077994	31.77002173	1.12	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350
Si 251.611	Si	n	4.54112618	4.54112618	mg/L	15668.40532723	0.02815231	0.61994105	93.91812961	0.60		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466
Sn 189.925	Sn	n	0.01712208	0.01712208	mg/L	195.85572434	0.00060492	3.53301152	5.95527651	3.04	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202
Sr 421.552	Sr-R	n	1.04196758	1.04196758	mg/L	186311.00839624	0.00142329	0.13659667	254.16372923	0.14	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300
Ti 334.941	Ti	n	1.03894541	1.03894541	mg/L	215226.02322981	0.00995949	0.95861495	2062.53859267	0.96	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733
Tl 190.794	Tl	n	1.02340455	1.02340455	mg/L	4464.90167499	0.00700337	0.68432037	30.51219006	0.68	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498
V 292.401	V	n	1.01818098	1.01818098	mg/L	29876.01557900	0.00379838	0.37305552	111.56367292	0.37	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727
Zn 206.200	Zn	n	1.10782363	1.10782363	mg/L	33913.08197990	0.01033975	0.93333916	316.06821827	0.93	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181
Y 371.029	Y		0.90	0.90	Ratio	121465.47	0.02	2.22	2699.23	2.22		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21827.89	0.00	0.31	67.82	0.31		-	-	-	Fitted	-	-

ENTHALPY INITIAL CALIBRATION FOR 510951 METALS Wipe: EPA 6010B

Instrument:	MET12		
Calibration #:	794264073001	Date:	01-JUL-2024 09:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794264073002	L1	01-JUL-2024 09:16	S20849
L2	icp data	794264073003	L2	01-JUL-2024 09:19	S20848
L3	icp data	794264073004	L3	01-JUL-2024 09:22	S20847
L4	icp data	794264073005	L4	01-JUL-2024 09:25	S20846
L5	icp data	794264073006	L5	01-JUL-2024 09:29	S20845
L6	icp data	794264073007	L6	01-JUL-2024 09:32	S20614

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0032	9.73E-5		12066	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	16914	13147	11032	10695	10352	10257

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-30	0.0100	-4	0.1000	4	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12		
Calnum:	794264073001	Cal Date:	01-JUL-2024

- ICV 794264073010 (01-JUL-2024) stds: S21056

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.008	mg/L	1	10	

Instrument ID: MET12

Label:	ICALBLK	**Rack:Tube:**	S1:1	**Type:**	BLK
Date Time:	7/1/2024 9:13:30 AM	**%RSE:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**%RSE limit:**	-
Calibration Coefficient [1]:	-	**Calibration Coefficient [2]:**	-	**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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensi
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	37.51006560	-	-	8.57265037	22.85	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	37.77905138	28.8
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	190.06028413	-	-	30.39126769	15.99	Y (371.029 nm)	Linear	-	Fitted	0.00000000	0.00000000	0.00000000	154.98366054	206.(
As 188.980	As	n	0.00000000	0.00000000	mg/L	9.14256269	-	-	2.76034283	30.19	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	6.25404356	11.7
B 249.678	B	n	0.00000000	0.00000000	mg/L	1376.02788071	-	-	9.20282449	0.67	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	1383.12505735	1379
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	36.64866851	-	-	4.54950111	12.41	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	32.30720552	41.3
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	8.07163100	-	-	5.35934585	66.40	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	8.07087536	2.71
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	701.98756653	-	-	2.58095655	0.37	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	702.00527666	704.5
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	18.22430191	-	-	6.52279802	35.79	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	22.01993817	10.6
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	48.86760891	-	-	0.95109470	1.95	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	47.91600966	48.8
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	-50.18958613	-	-	9.41503639	18.76	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-52.13823635	-39.9
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	857.03615696	-	-	22.31301193	2.60	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	840.25985555	848.4
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	19.83856633	-	-	4.47714760	22.57	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	24.61540421	15.7
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	-18.26984185	-	-	78.96432511	> 100.00	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	-56.82206094	72.5
Li 670.783	Li-R	n	Error	Error	mg/L	38481.71794286	-	-	15.92064341	N/A	Y-R (371.029 nm)	Linear	0.00000	FACT	Error	Error	Error	38500.06998847	3847
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	6.89168493	-	-	2.68920398	39.02	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	9.54146841	6.968
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	74.36023879	-	-	1.42772472	1.92	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	73.88496096	73.23
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	11.11517019	-	-	2.92343838	26.30	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	12.78709162	7.739
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	82.34854694	-	-	19.90706363	24.17	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	104.97693330	67.53
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	-11.50403311	-	-	6.38699209	55.52	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-18.00176605	-11.2
P 177.434	P	n	0.00000000	0.00000000	mg/L	1.26232474	-	-	0.84197858	66.70	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	0.37545411	1.360
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	31.83980035	-	-	3.90097275	12.25	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	35.65607345	27.85
S 181.972	S	n	0.00000000	0.00000000	mg/L	184.72565324	-	-	0.46907196	0.25	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	184.89684482	184.1
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-29.37491553	-	-	8.61949494	29.34	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	-38.72885555	-21.7
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	26.01994192	-	-	3.82821409	14.71	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	26.75450707	29.42
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	518.84683413	-	-	31.09594574	5.99	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	552.55520273	512.1
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	26.16692256	-	-	1.25047755	4.78	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	25.00172109	26.0
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	62.09840633	-	-	13.81882349	22.25	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	66.02581159	73.52
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	83.25689965	-	-	23.33555387	28.03	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	110.08173955	67.63
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	2.38286467	-	-	2.32766397	97.68	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	0.43501308	1.752
V 292.401	V	n	0.00000000	0.00000000	mg/L	-35.44137260	-	-	12.46796105	35.18	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-49.04942249	-32.7
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	17.44367883	-	-	2.14121814	12.28	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	19.70699265	15.45
Y 371.029	Y		1.00	1.00	Ratio	134294.73	0.00	0.00	1658.67	1.24	-	-	0.00000	Fitted	1.00	1.00	1.00	132537.81	1345
Y 371.029	Y-R		1.00	1.00	Ratio	23485.32	0.00	0.00	30.21	0.13	-	-	0.00000	Fitted	1.00	1.00	1.00	23450.60	2350

Instrument ID: MET12

Label:	ICAL,L1,S20849	**Rack:Tube:**	S1:2	**Type:**	STD
Date Time:	7/1/2024 9:16:37 AM	**%RSE:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**Correlation coefficient:**	-
%RSE limit:	-	**Calibration Coefficient [1]:**	-	**Calibration Coefficient [2]:**	-
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	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n			mg/L	33.28483828	-	-	5.86178921	17.61	Y (371.029 nm)	Linear	Fitted				26.82862857	38.27322434
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	579.29419816	-	-	33.05208155	5.71	Y (371.029 nm)	Linear	Fitted	0.00666667	0.00666667	0.00666667	541.18883271	600.19780980
As 188.980	As	n	0.00333333	0.00333333	mg/L	25.30674747	-	-	6.34747198	25.08	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	23.94754546	32.22372196
B 249.678	B	n	0.00333333	0.00333333	mg/L	355.45482820	-	-	3.15191272	0.89	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	352.29255131	358.59627349
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	544.30549482	-	-	8.76048800	1.61	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	537.17255815	541.66011473
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1155.20591599	-	-	5.09746314	0.44	Y (371.029 nm)	Linear	Fitted	0.00100000	0.00100000	0.00100000	1155.08127638	1150.1719156
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	957.99541666	-	-	11.60165432	1.21	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	971.28650346	952.80198956
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	367.41272670	-	-	10.88934752	2.96	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	377.38234825	369.06364301
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	145.71089472	-	-	9.76329257	6.70	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	153.05690945	134.63188083
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	129.50960098	-	-	4.07346950	3.15	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	130.00351589	133.31359277
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	1009.43358093	-	-	6.69062470	0.66	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1016.26645338	1009.1393793
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	358.87539173	-	-	10.92988190	3.05	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00666667	0.00666667	0.00666667	359.18001796	369.64977621
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	-16.95079806	-	-	59.58127832	> 100.00	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	-75.55075122	43.56556594
Li 670.783	Li-R	n	Error	Error	mg/L	38238.42796919	-	-	257.33226359	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	37949.16973480	38441.939590
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	15.88225910	-	-	2.36381891	14.88	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	16.68996576	13.22045376
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1406.64255288	-	-	13.61901785	0.97	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1422.27703671	1397.3590797
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	50.03156701	-	-	3.78895934	7.57	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	45.69648019	51.68775970
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	285.45453169	-	-	58.19186923	20.39	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	288.80017891	341.90140034
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	64.34562321	-	-	6.31101692	9.81	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	71.46031529	62.15385470
P 177.434	P	n			mg/L	0.47347640	-	-	0.41412220	87.46	Y (371.029 nm)	Linear	Fitted				0.12539872	0.36356341
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	56.38253739	-	-	5.79639911	10.28	Y (371.029 nm)	Linear	Off-Peak Right	0.00333333	0.00333333	0.00333333	53.26693028	63.07044688
S 181.972	S	n			mg/L	187.00031933	-	-	0.43001534	0.23	Y (371.029 nm)	Linear	Fitted				187.02733096	187.41619210
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	13.95861166	-	-	5.78551514	41.45	Y (371.029 nm)	Linear	Off-Peak Right	0.01000010	0.01000010	0.01000010	13.22273503	20.07685863
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	57.49006597	-	-	2.71924995	4.73	Y (371.029 nm)	Linear	Fitted	0.01000001	0.01000001	0.01000001	60.32025262	54.89732545
Si 251.611	Si	n			mg/L	48.27491340	-	-	4.37045898	9.05	Y (371.029 nm)	Linear	Fitted				53.20661852	44.88190113
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	57.05643645	-	-	2.93461112	5.14	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	60.15281819	54.31608053
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	3217.14622478	-	-	0.56175444	0.02	Y-R (371.029 nm)	Linear	Fitted	0.01666667	0.01666667	0.01666667	3217.67846944	3217.2012017
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	779.40083144	-	-	27.88404544	3.58	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	811.16498202	758.95815928
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	49.43159765	-	-	0.35829701	0.72	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	49.84337176	49.19094992
V 292.401	V	n	0.00166667	0.00166667	mg/L	22.27175358	-	-	3.90236627	17.52	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00166667	0.00166667	0.00166667	25.88507465	22.79670100
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	379.16033477	-	-	4.61744638	1.22	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	373.83686764	382.07962291
Y 371.029	Y		1.01	1.01	Ratio	135610.68	0.01	0.91	1230.66	0.91	-	-	Fitted	1.00	1.01	1.02	134204.69	136135.03
Y 371.029	Y-R		1.01	1.01	Ratio	23659.60	0.00	0.46	108.49	0.46	-	-	Fitted	1.01	1.00	1.01	23781.11	23572.46

Instrument ID: MET12

Label: ICAL,L2,S20848 | Rack:Tube: S1:3 | Type: STD
Date Time: 7/1/2024 9:19:44 AM | %RSE: | 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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentratic Replicate 2
Ag 328.068	Ag	n			mg/L	34.86323027	-	-	1.83495257	5.26	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	922.71241026	-	-	32.44708905	3.52	Y (371.029 nm)	Linear	1.00000	Fitted	190.060284134971	58385.0929420898	0.02000000	0.02000(
As 188.980	As	n	0.01000000	0.01000000	mg/L	54.97787703	-	-	5.94249849	10.81	Y (371.029 nm)	Linear	1.00000	Fitted	9.14256268670814	4849.25591908554	0.01000000	0.01000(
B 249.678	B	n	0.01000000	0.01000000	mg/L	574.50902755	-	-	14.26705713	2.48	Y (371.029 nm)	Linear	-	Fitted	-	-	0.01000000	0.01000(
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	1441.78464641	-	-	17.16998590	1.19	Y (371.029 nm)	Linear	1.00000	Fitted	36.6486685092156	152297.063123202	0.01000000	0.01000(
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3489.55059141	-	-	14.67790807	0.42	Y (371.029 nm)	Linear	1.00000	Fitted	8.07163099745776	1147134.28499175	0.00300000	0.00300(
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	1390.84976511	-	-	28.26920555	2.03	Y-R (371.029 nm)	Linear	1.00000	Fitted	701.987566526098	7680.23558092655	0.10000000	0.10000(
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	1007.91822978	-	-	7.39523346	0.73	Y (371.029 nm)	Linear	1.00000	Fitted	18.224301909832	209513.012972112	0.00500000	0.00500(
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	294.75857270	-	-	21.05647153	7.14	Y (371.029 nm)	Linear	1.00000	Fitted	48.8676089148921	58105.959859948	0.00500000	0.00500(
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	439.47886265	-	-	0.93584299	0.21	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-50.1895861293269	53909.7615240098	0.01000000	0.01000(
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	1271.07932777	-	-	6.17997496	0.49	Y (371.029 nm)	Linear	1.00000	Fitted	857.036156957492	45719.2317646747	0.01000000	0.01000(
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	787.51532398	-	-	6.79175540	0.86	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	19.8385663324983	50855.5288946679	0.02000000	0.02000(
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	13.45868775	-	-	29.52386689	> 100.00	Y-R (371.029 nm)	Linear	1.00000	Fitted	-18.2698418508056	19.7856567723619	0.20000000	0.20000(
Li 670.783	Li-R	n	Error	Error	mg/L	38862.17351816	-	-	60.10985958	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	37.30749828	-	-	0.69584142	1.87	Y-R (371.029 nm)	Linear	1.00000	Fitted	6.89168493460846	269.717252013662	0.10000000	0.10000(
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	3867.26285133	-	-	1.16431189	0.03	Y (371.029 nm)	Linear	1.00000	Fitted	74.3602387919627	399684.734195071	0.01000000	0.01000(
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	136.64349988	-	-	4.15976375	3.04	Y (371.029 nm)	Linear	1.00000	Fitted	11.1151701908896	11674.9202120859	0.01000000	0.01000(
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	794.77725862	-	-	14.70504980	1.85	Y-R (371.029 nm)	Linear	1.00000	Fitted	82.3485469398899	3046.5896189128	0.20000000	0.20000(
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	181.69424211	-	-	3.39948763	1.87	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-11.5040331103469	22754.8991712032	0.01000000	0.01000(
P 177.434	P	n			mg/L	1.12622572	-	-	0.81667403	72.51	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	131.47494274	-	-	10.90439828	8.29	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	31.8398003475986	7362.82184954566	0.01000000	0.01000(
S 181.972	S	n			mg/L	192.01999960	-	-	2.51648842	1.31	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	81.73306523	-	-	2.77847766	3.40	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-29.3749155301128	4333.30938604102	0.03000030	0.03000(
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	127.06304196	-	-	6.45180877	5.08	Y (371.029 nm)	Linear	1.00000	Fitted	26.0199419173401	3147.00925794276	0.03000003	0.03000(
Si 251.611	Si	n			mg/L	42.42574848	-	-	2.76851381	6.53	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	123.85346378	-	-	5.30194571	4.28	Y (371.029 nm)	Linear	1.00000	Fitted	26.166922561538	9266.85509361362	0.01000000	0.01000(
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	9151.05058092	-	-	39.31642528	0.43	Y-R (371.029 nm)	Linear	1.00000	Fitted	62.0984063332435	189302.865320653	0.05000000	0.05000(
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	2134.76332126	-	-	13.77821783	0.65	Y (371.029 nm)	Linear	1.00000	Fitted	83.2568996526528	208843.20042115	0.01000000	0.01000(
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	142.37132033	-	-	2.67456617	1.88	Y (371.029 nm)	Linear	1.00000	Fitted	2.38286466504042	4704.82625007007	0.03000030	0.03000(
V 292.401	V	n	0.00500000	0.00500000	mg/L	121.73563790	-	-	1.36109452	1.12	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-35.4413726013349	34627.8687861578	0.00500000	0.00500(
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	1044.16824166	-	-	7.18932491	0.69	Y (371.029 nm)	Linear	1.00000	Fitted	17.4436788301952	36171.3038806905	0.03000030	0.03000(
Y 371.029	Y		1.00	1.00	Ratio	134474.27	0.01	1.11	1489.56	1.11	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	23426.64	0.00	0.25	57.48	0.25	-	-	-	Fitted	-	-	1.00	1.00

Instrument ID: MET12

Label:	ICAL,L3,S20847	Rack:Tube:	S1:4	Type:	STD
Date Time:	7/1/2024 9:22:51 AM	%RSE:		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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	34.43461234	-	-	12.52446367	36.37	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	7173.90521016	-	-	28.74320296	0.40	Y (371.029 nm)	Linear	0.97452	Fitted	245.182935807426	35447.284579622	0.20000000	0.2000000
As 188.980	As	n	0.10000000	0.10000000	mg/L	446.62448410	-	-	12.15781224	2.72	Y (371.029 nm)	Linear	0.99977	Fitted	9.2370847531589	4595.98281540327	0.10000000	0.1000000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3506.66164454	-	-	7.12577601	0.20	Y (371.029 nm)	Linear	-	Fitted	-	-	0.10000000	0.1000000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	13472.21854237	-	-	16.19284739	0.12	Y (371.029 nm)	Linear	0.99951	Fitted	41.21461692931	143308.723873414	0.10000000	0.1000000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	35039.40287776	-	-	126.30697472	0.36	Y (371.029 nm)	Linear	0.99999	Fitted	3.9911173421749	1156752.00508703	0.03000000	0.0300000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	7171.04546458	-	-	6.63179574	0.09	Y-R (371.029 nm)	Linear	0.99908	Fitted	702.505263332129	7193.98055193753	1.00000000	1.0000000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	9776.77170772	-	-	15.26299748	0.16	Y (371.029 nm)	Linear	0.99976	Fitted	22.0355846539826	197666.428771888	0.05000000	0.0500000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	2472.91131390	-	-	20.11114832	0.81	Y (371.029 nm)	Linear	0.99768	Fitted	48.9294983286413	52199.28815858	0.05000000	0.0500000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	4747.42622553	-	-	5.95973725	0.13	Y (371.029 nm)	Linear	0.99929	Off-Peak Left+Right	-32.8295716165721	47239.4193714189	0.10000000	0.1000000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	4690.33572614	-	-	11.70793209	0.25	Y (371.029 nm)	Linear	0.99924	Fitted	874.698813254569	39705.7973476155	0.10000000	0.1000000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	7153.93520537	-	-	14.05644060	0.20	Y (371.029 nm)	Linear	0.99246	Off-Peak Left+Right	28.1614888826144	38446.5170063439	0.20000000	0.2000000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	703.27585555	-	-	53.52046932	7.61	Y-R (371.029 nm)	Linear	0.95630	Fitted	-24.2655957720571	186.526010403834	2.00000000	2.0000000
Li 670.783	Li-R	n	Error	Error	mg/L	42039.48854736	-	-	236.74487727	N/A	Y-R (371.029 nm)	Linear	0.74465	FACT	38480.7807870471	37471.3108326439	Error	Error
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	448.29441746	-	-	6.33576199	1.41	Y-R (371.029 nm)	Linear	0.99913	Fitted	6.26666747043305	310.199072661158	1.00000000	1.0000000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	36450.70871211	-	-	153.30303411	0.42	Y (371.029 nm)	Linear	0.99980	Fitted	74.8554955130203	379257.203929255	0.10000000	0.1000000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	1324.95934912	-	-	5.71785474	0.43	Y (371.029 nm)	Linear	0.99967	Fitted	10.2847042203886	12551.8095314733	0.10000000	0.1000000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	8468.69363535	-	-	35.59234520	0.42	Y-R (371.029 nm)	Linear	0.99859	Fitted	79.8166776229311	3571.3490832613	2.00000000	2.0000000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	1964.99687365	-	-	7.84892886	0.40	Y (371.029 nm)	Linear	0.99777	Off-Peak Left+Right	-6.24779269746489	18868.6559885292	0.10000000	0.1000000
P 177.434	P	n			mg/L	1.59307745	-	-	0.17967266	11.28	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	1103.18704273	-	-	9.18571240	0.83	Y (371.029 nm)	Linear	0.99551	Off-Peak Right	30.1981780777828	9486.31811719951	0.10000000	0.1000000
S 181.972	S	n			mg/L	195.01117112	-	-	2.98617167	1.53	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	1000.84226136	-	-	7.16129970	0.72	Y (371.029 nm)	Linear	0.99797	Off-Peak Right	-24.7436085606244	3557.20740723684	0.30000300	0.3000030
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	1019.94553253	-	-	8.36844636	0.82	Y (371.029 nm)	Linear	0.99971	Fitted	24.8543943776488	3351.7756861498	0.30000030	0.3000003
Si 251.611	Si	n			mg/L	57.37725606	-	-	6.32335273	11.02	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	1028.22164790	-	-	5.57264086	0.54	Y (371.029 nm)	Linear	0.99982	Fitted	26.0266454662772	9656.59333724194	0.10000000	0.1000000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	88767.62314248	-	-	770.93071661	0.87	Y-R (371.029 nm)	Linear	0.99988	Fitted	124.229104187572	185565.782935753	0.50000000	0.5000000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	20443.56862551	-	-	96.05510971	0.47	Y (371.029 nm)	Linear	0.99998	Fitted	87.5508080275467	204796.098009866	0.10000000	0.1000000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	1369.70376992	-	-	5.86358083	0.43	Y (371.029 nm)	Linear	1.00000	Fitted	2.80131123056287	4661.49480052694	0.30000300	0.3000030
V 292.401	V	n	0.05000000	0.05000000	mg/L	1394.60867413	-	-	5.73288300	0.41	Y (371.029 nm)	Linear	0.99928	Off-Peak Left+Right	-28.9175996900378	30138.4222354123	0.05000000	0.0500000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	9721.92895029	-	-	15.50963222	0.16	Y (371.029 nm)	Linear	0.99978	Fitted	19.4891651386502	34539.9497798121	0.30000300	0.3000030
Y 371.029	Y		1.00	1.00	Ratio	134052.25	0.01	1.15	1538.60	1.15	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		0.99	0.99	Ratio	23261.06	0.00	0.47	108.37	0.47	-	-	-	Fitted	-	-	0.99	0.99

Instrument ID: MET12

Label: ICAL,L4,S20846 **Rack:Tube:** S1:5 **Type:** STD

Date Time: 7/1/2024 9:25:58 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	n			mg/L	34.34890446	-	-	6.02816518	17.55		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	72953.43345186	-	-	96.15391437	0.13	41.96098010	Y (371.029 nm)	Linear	0.99979	Fitted	251.977509097379	34613.3609146269
As 188.980	As	n	1.00000000	1.00000000	mg/L	4538.16121911	-	-	5.13255765	0.11	8.17245865	Y (371.029 nm)	Linear	0.99999	Fitted	9.64157191952856	4377.66935374859
B 249.678	B	n	1.00000000	1.00000000	mg/L	34514.42714858	-	-	103.81049902	0.30	118.06112940	Y (371.029 nm)	Linear	0.93267	Fitted	369.003878070777	31150.1502286026
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	133769.34166148	-	-	408.14608653	0.31	10.69625085	Y (371.029 nm)	Linear	0.99999	Fitted	51.4260257052166	134301.518460809
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	358256.89387212	-	-	2606.86334618	0.73	0.79086431	Y (371.029 nm)	Linear	1.00000	Fitted	-0.0444681670130649	1162934.68645936
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	65103.59089172	-	-	186.78522180	0.29	18.80593828	Y-R (371.029 nm)	Linear	0.99998	Fitted	704.119307944003	6467.56320810952
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	97306.66260902	-	-	282.38256016	0.29	4.67239827	Y (371.029 nm)	Linear	1.00000	Fitted	27.2362728589824	195056.46389161
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	24798.86738267	-	-	31.06920307	0.13	19.59195507	Y (371.029 nm)	Linear	0.99998	Fitted	49.0183507057586	48528.2413452537
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	48025.08923894	-	-	37.47786819	0.08	5.44298172	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-38.6795303687641	47852.4173147115
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	39532.53007235	-	-	225.48475306	0.57	2.60759064	Y (371.029 nm)	Linear	0.99997	Fitted	885.403634152283	38064.4671428883
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	69385.34113737	-	-	26.39342480	0.04	32.70838740	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	44.277010546745	35634.9319338697
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	9453.04530731	-	-	11.86874231	0.13	46.71067985	Y-R (371.029 nm)	Linear	0.99881	Fitted	-53.4929266377981	377.144780773698
Li 670.783	Li-R	n	Error	Error	mg/L	72160.85086849	-	-	433.40842125	N/A	303.87899616	Y-R (371.029 nm)	Linear	0.99510	FACT	38481.7776082094	35819.1962741163
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	4520.82609070	-	-	19.24675048	0.43	44.64418587	Y-R (371.029 nm)	Linear	0.99962	Fitted	-5.4291861654598	442.635448485365
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	358973.63792225	-	-	73.00365543	0.02	6.67084802	Y (371.029 nm)	Linear	0.99999	Fitted	76.0464010702453	379049.721041112
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	13605.94776800	-	-	2.66087246	0.02	5.61918307	Y (371.029 nm)	Linear	0.99999	Fitted	8.37533935496796	13157.9116259588
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	86896.78757859	-	-	126.19420192	0.15	6.03751892	Y-R (371.029 nm)	Linear	0.99991	Fitted	0.654642213584339	4219.46268858345
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	19693.10410287	-	-	27.08972550	0.14	16.45927102	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-12.2922691666111	19759.2247305155
P 177.434	P	n			mg/L	1.52333425	-	-	0.45546746	29.90		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	10694.74289325	-	-	30.01081429	0.28	21.30924742	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	28.0871074146142	10741.8517327558
S 181.972	S	n			mg/L	201.63615944	-	-	5.22746684	2.59		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	10409.06846493	-	-	6.20611820	0.06	3.21841939	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-21.1996233984369	3408.45621266532
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	10211.93500475	-	-	5.52212984	0.05	3.50446256	Y (371.029 nm)	Linear	1.00000	Fitted	25.168224074228	3316.38269791092
Si 251.611	Si	n			mg/L	120.70828331	-	-	6.25310243	5.18		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	10112.70893628	-	-	19.49669050	0.19	6.46943680	Y (371.029 nm)	Linear	1.00000	Fitted	25.7043258732113	10020.43944792
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	890066.68040707	-	-	1155.65600456	0.13	4.42246339	Y-R (371.029 nm)	Linear	1.00000	Fitted	146.073324879166	184253.388354205
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	207568.51289419	-	-	1250.74858923	0.60	0.82766510	Y (371.029 nm)	Linear	1.00000	Fitted	95.0471114220236	203658.915467156
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	13521.21122364	-	-	32.42036709	0.24	1.33905458	Y (371.029 nm)	Linear	1.00000	Fitted	3.86684572928871	4555.84609086887
V 292.401	V	n	0.50000000	0.50000000	mg/L	14521.63585806	-	-	14.41156396	0.10	9.09943551	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	-20.6496904654794	28325.8279047839
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	96122.11200628	-	-	264.24401778	0.27	9.81295814	Y (371.029 nm)	Linear	0.99999	Fitted	26.8504281951541	32421.1290406171
Y 371.029	Y		0.97	0.97	Ratio	130750.86	0.01	1.23	1605.44	1.23		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	22830.36	0.01	0.64	145.50	0.64		-	-	-	Fitted	-	-

Instrument ID: MET12

Label: ICAL,L5,S20845 | Rack:Tube: S1:6 | Type: STD
Date Time: 7/1/2024 9:29:06 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	67.36516717	-	-	22.85556141	33.93		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	385680.21046814	-	-	937.85465397	0.24	54.53102223	Y (371.029 nm)	Linear	0.99999	Fitted	151.741605255235	36275.1618481455
As 188.980	As	n	5.00000000	5.00000000	mg/L	23128.52760361	-	-	54.51401424	0.24	6.83697849	Y (371.029 nm)	Linear	0.99999	Fitted	8.86790101941688	4529.03241355756
B 249.678	B	n	5.00000000	5.00000000	mg/L	175692.83494618	-	-	941.54901429	0.54	71.56783079	Y (371.029 nm)	Linear	0.99940	Fitted	351.370284873721	32252.2451302075
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	659397.71709104	-	-	3289.60162303	0.50	7.54269028	Y (371.029 nm)	Linear	1.00000	Fitted	51.9436627253712	134217.620040306
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	1810674.11514710	-	-	3767.94107372	0.21	1.76408633	Y (371.029 nm)	Linear	1.00000	Fitted	-2.59349171955773	1166619.58025272
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	320429.58710587	-	-	621.73021938	0.19	13.21679058	Y-R (371.029 nm)	Linear	1.00000	Fitted	704.521032950298	6464.10735508039
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	471502.62250993	-	-	570.92853318	0.12	3.20455487	Y (371.029 nm)	Linear	1.00000	Fitted	27.9235058892841	194932.091074723
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	121422.69929812	-	-	377.00611259	0.31	12.39432626	Y (371.029 nm)	Linear	1.00000	Fitted	48.8999186460106	49477.0467365457
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	239451.99965591	-	-	147.86677286	0.06	4.41697098	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.5205003980698	48013.3382058553
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	201637.67811964	-	-	1055.31228560	0.52	1.47545930	Y (371.029 nm)	Linear	1.00000	Fitted	882.792673193652	38214.1632140632
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	342447.48287530	-	-	433.79300075	0.13	21.04407477	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	59.8779276414418	34693.3324112224
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	51235.61711768	-	-	68.12786198	0.13	114.90874812	Y-R (371.029 nm)	Linear	0.99977	Fitted	-99.9403265769288	477.613686525152
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	175381.23883043	-	-	527.89199251	0.30	225.17738272	Y-R (371.029 nm)	Linear	0.99991	FACT	38483.9123949004	33755.0674139672
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	22163.58115194	-	-	30.41550333	0.14	33.67683510	Y-R (371.029 nm)	Linear	1.00000	Fitted	-6.33786092037879	451.938435183825
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	1746416.99642599	-	-	2064.49865223	0.12	1.94807008	Y (371.029 nm)	Linear	1.00000	Fitted	180.332693189814	361590.246611091
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	69115.10507533	-	-	245.74568148	0.36	4.00905090	Y (371.029 nm)	Linear	1.00000	Fitted	2.54362730003413	13602.5802683481
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	442364.33714806	-	-	81.59609256	0.02	7.96968951	Y-R (371.029 nm)	Linear	1.00000	Fitted	-32.7874697060729	4334.52115324226
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	95541.79536432	-	-	302.28181419	0.32	11.00599957	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-11.4930418295532	19709.3558113306
P 177.434	P	n			mg/L	-1.49832386	-	-	0.60322018	40.26		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	51759.40583788	-	-	151.25831404	0.29	16.21083227	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	28.844935484808	10672.4456273834
S 181.972	S	n			mg/L	248.84976954	-	-	2.25028758	0.90		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	52232.64098406	-	-	74.62813508	0.14	7.97816604	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.6347104346323	3477.46024305477
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	50007.20401138	-	-	121.87467983	0.24	2.16599585	Y (371.029 nm)	Linear	1.00000	Fitted	23.2043937569522	3395.92660466978
Si 251.611	Si	n			mg/L	471.14099554	-	-	21.82398638	4.63		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	49352.41706799	-	-	136.27444982	0.28	4.51265317	Y (371.029 nm)	Linear	1.00000	Fitted	25.4389753216042	10080.2396427401
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	4407830.71204190	-	-	29560.47882515	0.67	0.74788148	Y-R (371.029 nm)	Linear	1.00000	Fitted	238.086962264264	178725.736427634
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	1045233.34972329	-	-	11473.61234602	1.10	1.56790249	Y (371.029 nm)	Linear	1.00000	Fitted	83.9635501417065	205070.930383143
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	65576.89434134	-	-	116.48275752	0.18	1.45348967	Y (371.029 nm)	Linear	1.00000	Fitted	4.29589377019387	4517.01649885029
V 292.401	V	n	2.50000000	2.50000000	mg/L	73445.68293044	-	-	106.11123080	0.14	2.12190939	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-25.437748889756	29056.8661791767
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	459234.62116377	-	-	2585.42893178	0.56	7.10923348	Y (371.029 nm)	Linear	1.00000	Fitted	27.5948687177626	32322.1633228997
Y 371.029	Y		0.93	0.93	Ratio	124362.40	0.01	1.14	1413.08	1.14		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	22001.58	0.01	0.86	189.11	0.86		-	-	-	Fitted	-	-

Instrument ID: MET12

Label:	ICAL,L6,S20614	Rack:Tube:	S1:7	Type:	STD
Date Time:	7/1/2024 9:32:13 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	94.18711929	-	-	12.71406825	13.50		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	797628.41816737	-	-	786.77823223	0.10	55.11795402	Y (371.029 nm)	Linear	0.99994	Fitted	102.620089668935	36751.0993231158
As 188.980	As	n	10.00000000	10.00000000	mg/L	46531.49484696	-	-	41.38384512	0.09	16.19133541	Y (371.029 nm)	Linear	0.99999	Fitted	6.08314091029683	4548.66128977357
B 249.678	B	n	10.00000000	10.00000000	mg/L	357467.23888481	-	-	403.38042010	0.11	55.91399158	Y (371.029 nm)	Linear	0.99996	Fitted	346.354282280578	32539.2638901704
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	1320445.82182521	-	-	236.84552631	0.02	6.19326126	Y (371.029 nm)	Linear	1.00000	Fitted	52.7676441393435	134093.857261535
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	3597444.06136737	-	-	8705.22858916	0.24	1.85257758	Y (371.029 nm)	Linear	1.00000	Fitted	-19.0960091774414	1190344.01999188
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	639455.08288830	-	-	815.56045314	0.13	10.45145204	Y-R (371.029 nm)	Linear	1.00000	Fitted	706.474592609673	6448.64743297276
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	917581.65916626	-	-	3369.79796352	0.37	1.68416186	Y (371.029 nm)	Linear	0.99998	Fitted	50.641830623186	191077.966285335
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	242549.52398342	-	-	333.92932654	0.14	10.27771259	Y (371.029 nm)	Linear	0.99999	Fitted	48.9663553674991	49345.0028852419
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	480491.88665705	-	-	256.01042372	0.05	3.41194187	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-39.7552812070843	47949.8022660216
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	412355.21612988	-	-	2121.87196622	0.51	3.87020695	Y (371.029 nm)	Linear	0.99997	Fitted	874.563506188089	38658.8756577926
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	678078.79964008	-	-	1536.59426247	0.23	16.85539569	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	61.564647629031	34654.9310332652
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	106422.11117861	-	-	147.31617419	0.14	908.10375577	Y-R (371.029 nm)	Linear	0.99989	Fitted	-559.896955485121	508.172152192355
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	363170.09716098	-	-	922.80883542	0.25	29.48072291	Y-R (371.029 nm)	Linear	0.99998	FACT	-70.8088728158389	34768.6183718257
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	44838.38150047	-	-	16.39260576	0.04	25.80799278	Y-R (371.029 nm)	Linear	0.99999	Fitted	-5.50782416458812	444.204145904673
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3481921.72777415	-	-	6395.97684962	0.18	2.48175770	Y (371.029 nm)	Linear	0.99998	Fitted	182.332202191037	361263.189513782
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	139414.04309650	-	-	1093.91595055	0.78	3.66423949	Y (371.029 nm)	Linear	0.99999	Fitted	2.26393254963477	13603.5076404539
Na 589.592	Na-R	n			mg/L	897185.92561099	-	-	1958.03491753	0.22	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	189852.12503448	-	-	341.76440333	0.18	7.55593451	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-9.22476462110421	19613.7259708645
P 177.434	P	n			mg/L	-2.63702523	-	-	1.51007656	57.26		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	102571.42879494	-	-	243.38931004	0.24	17.68078138	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	31.8581165849118	10515.4246211333
S 181.972	S	n			mg/L	295.30420093	-	-	4.58406471	1.55		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	105667.72341357	-	-	107.68985840	0.10	7.09972314	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.988932291172	3478.50232966387
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	99333.03370184	-	-	100.37231842	0.10	2.12735240	Y (371.029 nm)	Linear	0.99999	Fitted	24.3057975800241	3392.45818904912
Si 251.611	Si	n			mg/L	786.97980696	-	-	22.91213849	2.91		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	98166.99111386	-	-	65.62563986	0.07	4.20606484	Y (371.029 nm)	Linear	0.99999	Fitted	25.9338045340857	10012.2487194661
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	8831686.30844778	-	-	55495.21927453	0.63	0.95068544	Y-R (371.029 nm)	Linear	1.00000	Fitted	239.40448428024	178646.592347261
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	2116611.40211777	-	-	12133.90748438	0.57	1.71170697	Y (371.029 nm)	Linear	1.00000	Fitted	80.8019926716156	205465.519689919
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	129311.75623112	-	-	144.67728033	0.11	2.69987484	Y (371.029 nm)	Linear	0.99998	Fitted	5.29436255419792	4429.52068397658
V 292.401	V	n	5.00000000	5.00000000	mg/L	149145.00153050	-	-	175.66068424	0.12	1.80560376	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-26.4349676542492	29160.1891846572
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	875216.91627485	-	-	1188.49284537	0.14	6.57450970	Y (371.029 nm)	Linear	0.99996	Fitted	28.4458925257219	32215.6727848683
Y 371.029	Y		0.91	0.91	Ratio	122684.59	0.01	0.90	1106.48	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21725.58	0.00	0.54	116.90	0.54		-	-	-	Fitted	-	-

Instrument ID: MET12

Label: ICAL,L7,S20782 | Rack:Tube: S1:8 | Type: STD

Date Time: 7/1/2024 9:35:20 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]	Conc Repli
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	81786.73996867	-	-	539.52431167	0.66		Y (371.029 nm)	Linear	-	Fitted	-	-	2.0(
Al 396.152	Al	n			mg/L	210.78831608	-	-	33.30341943	15.80	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547	
As 188.980	As	n			mg/L	15.76241290	-	-	3.10430344	19.69	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196	
B 249.678	B	n			mg/L	358.14334368	-	-	31.64241756	8.84	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535	
Ba 230.424	Ba	n			mg/L	94.33316033	-	-	24.07820542	25.52	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331	
Be 313.107	Be	n			mg/L	42.58467780	-	-	16.84767898	39.56	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777	
Ca 317.933	Ca-R	n			mg/L	734.53811549	-	-	15.87775856	2.16	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325	
Cd 214.439	Cd	n			mg/L	41.93363538	-	-	7.38599277	17.61	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588	
Co 230.786	Co	n			mg/L	65.20942722	-	-	7.29561429	11.19	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363	
Cr 267.716	Cr	n			mg/L	-30.31902116	-	-	6.74164226	22.24	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174	
Cu 324.754	Cu	n			mg/L	980.39238559	-	-	30.82776894	3.14	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848	
Fe 259.940	Fe	n			mg/L	250.43234627	-	-	11.84062311	4.73	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956	
K 766.491	K-R	n			mg/L	29.38318664	-	-	24.22025111	82.43	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871	
Li 670.783	Li-R	n			mg/L	31.92586071	-	-	34.00655955	> 100.00	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422	
Mg 279.800	Mg-R	n			mg/L	3.83432545	-	-	2.16731743	56.52	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216	
Mn 257.610	Mn	n			mg/L	413.71713787	-	-	10.04228928	2.43	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609	
Mo 204.598	Mo	n			mg/L	74.88552698	-	-	25.17464825	33.62	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065	
Na 589.592	Na-R	n			mg/L	50.14029469	-	-	44.53712898	88.83	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711	
Ni 231.604	Ni	n			mg/L	-9.76653778	-	-	9.91778308	> 100.00	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663	
P 177.434	P	n			mg/L	1.04308720	-	-	1.07929852	> 100.00		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n			mg/L	39.37991394	-	-	9.08245144	23.06	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604	
S 181.972	S	n			mg/L	179.60813399	-	-	2.86251033	1.59		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n			mg/L	-4.47811053	-	-	6.36037591	> 100.00	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116	
Se 196.026	Se	n			mg/L	40.58911685	-	-	9.90715423	24.41	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954	
Si 251.611	Si	n			mg/L	46.41244107	-	-	1.96356977	4.23		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n			mg/L	49.50285793	-	-	3.76479790	7.61	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724	
Sr 421.552	Sr-R	n			mg/L	169.79890379	-	-	5.72171804	3.37	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918	
Ti 334.941	Ti	n			mg/L	545.35065821	-	-	172.35413817	31.60	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159	
Tl 190.794	Tl	n			mg/L	9.97662481	-	-	3.44505484	34.53	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312	
V 292.401	V	n			mg/L	-21.13324780	-	-	9.71986699	45.99	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935	
Zn 206.200	Zn	n			mg/L	57.64102126	-	-	5.53592300	9.60	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291	
Y 371.029	Y		0.98	0.98	Ratio	131171.68	0.01	0.82	1071.38	0.82		-	-	-	Fitted	-	-	0.97
Y 371.029	Y-R		0.98	0.98	Ratio	22939.29	0.00	0.26	58.81	0.26		-	-	-	Fitted	-	-	0.97

Instrument ID: MET12

Label:	ICAL,L8,S20759	**Rack:Tube:**	S1:9	**Type:**	STD
Date Time:	7/1/2024 9:38:27 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]	C R
Ag 328.068	Ag	n			mg/L	36.52322749	-	-	13.80234784	37.79		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342	
Al 396.152	Al	n			mg/L	282.92930284	-	-	5.09337871	1.80	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547	
As 188.980	As	n			mg/L	15.97942903	-	-	6.88810750	43.11	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196	
B 249.678	B	n			mg/L	338.11283756	-	-	15.83023455	4.68	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535	
Ba 230.424	Ba	n			mg/L	53.54698830	-	-	2.42652072	4.53	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331	
Be 313.107	Be	n			mg/L	4.53607828	-	-	3.47528184	76.61	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777	
Ca 317.933	Ca-R	n			mg/L	765.57224552	-	-	17.47324885	2.28	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325	
Cd 214.439	Cd	n			mg/L	30.99226984	-	-	4.43487555	14.31	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588	
Co 230.786	Co	n			mg/L	54.46737267	-	-	16.33626111	29.99	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363	
Cr 267.716	Cr	n			mg/L	-29.33394852	-	-	8.59335013	29.29	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174	
Cu 324.754	Cu	n			mg/L	937.52888532	-	-	15.01871570	1.60	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848	
Fe 259.940	Fe	n			mg/L	349.45898644	-	-	4.30214492	1.23	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956	
K 766.491	K-R	n			mg/L	15.62853225	-	-	38.76113049	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871	
Li 670.783	Li-R	n			mg/L	12.13014904	-	-	44.22598723	> 100.00	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422	
Mg 279.800	Mg-R	n			mg/L	-1.39192666	-	-	1.40969322	> 100.00	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216	
Mn 257.610	Mn	n			mg/L	412.26332402	-	-	6.08342885	1.48	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609	
Mo 204.598	Mo	n			mg/L	20.04065026	-	-	12.05485373	60.15	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065	
Na 589.592	Na-R	n			mg/L	1.03717088	-	-	13.59740821	> 100.00	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711	
Ni 231.604	Ni	n			mg/L	-9.13280004	-	-	4.94583533	54.15	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663	
P 177.434	P	n	10.00000000	10.00000000	mg/L	850.67841118	-	-	4.06177274	0.48		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Pb 220.353	Pb	n			mg/L	30.23249589	-	-	14.87970020	49.22	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604	
S 181.972	S	n	10.00000000	10.00000000	mg/L	11204.79224270	-	-	45.33472546	0.40		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sb 206.834	Sb	n			mg/L	-12.82587402	-	-	9.42615103	73.49	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116	
Se 196.026	Se	n			mg/L	25.27346188	-	-	3.71422826	14.70	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	33879.57108076	-	-	22.26978538	0.07		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sn 189.925	Sn	n			mg/L	26.14500672	-	-	0.26415386	1.01	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724	
Sr 421.552	Sr-R	n			mg/L	79.66426093	-	-	5.61570047	7.05	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918	
Ti 334.941	Ti	n			mg/L	607.01167281	-	-	144.63262554	23.83	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159	
Tl 190.794	Tl	n			mg/L	3.07418570	-	-	1.62291932	52.79	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312	
V 292.401	V	n			mg/L	-29.84917682	-	-	10.97451269	36.77	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935	
Zn 206.200	Zn	n			mg/L	69.34115320	-	-	7.27573530	10.49	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291	
Y 371.029	Y		0.99	0.99	Ratio	132633.23	0.01	0.65	862.45	0.65		-	-	-	Fitted	-	-	0
Y 371.029	Y-R		0.98	0.98	Ratio	23125.54	0.00	0.15	35.47	0.15		-	-	-	Fitted	-	-	0

Instrument ID: MET12

Label:	ICV,S21056	Rack:Tube:	S1:12	Type:	QC
Date Time:	7/1/2024 9:41:34 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	n	0.49163881	0.49163881	mg/L	20135.78661237	0.00059642	0.12131362	24.37863503	0.12		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.01916462	1.01916462	mg/L	39387.72899383	0.00105061	0.10308547	40.40369412	0.10	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	1.00898883	1.00898883	mg/L	4648.39011688	0.00158028	0.15661984	7.28656086	0.16	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.03459051	1.03459051	mg/L	36243.53944241	0.00694226	0.67101540	241.11165417	0.67	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.02305539	1.02305539	mg/L	135206.08053169	0.00424441	0.41487543	560.63192375	0.41	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.00724498	1.00724498	mg/L	1201653.79853783	0.00078351	0.07778729	934.75118875	0.08	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	50.10212611	50.10212611	mg/L	322753.14324451	0.04810508	0.09601404	309.20956284	0.10	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	1.00098233	1.00098233	mg/L	190825.65316408	0.00354021	0.35367357	674.70559410	0.35	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	1.01008554	1.01008554	mg/L	49534.75603869	0.00426962	0.42269932	209.16730930	0.42	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.97100800	0.97100800	mg/L	46564.89794046	0.00061766	0.06360973	29.64360932	0.06	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.01105102	1.01105102	mg/L	40427.49120000	0.00370266	0.36621843	144.84993346	0.36	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.01550367	1.01550367	mg/L	35290.09918853	0.00143429	0.14123974	49.67694969	0.14	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30009.65339034	-	-	139.36550641	0.46	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	0.99350346	0.99350346	mg/L	35201.70260076	0.00349924	0.35221223	124.30193220	0.35	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	49.81722159	49.81722159	mg/L	22318.87614850	0.02476563	0.04971298	11.09820241	0.05	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.98736962	0.98736962	mg/L	356768.93635397	0.00112659	0.11410034	406.83510746	0.11	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.00413301	1.00413301	mg/L	13662.25954922	0.00187621	0.18684913	25.52364768	0.19	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.05403574	30.05403574	mg/L	132847.73113563	0.05383834	0.17913847	238.11439900	0.18	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.98044438	0.98044438	mg/L	19024.86943808	0.00270268	0.27565852	52.44288348	0.28	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	5.18464691	5.18464691	mg/L	441.74094517	0.02670531	0.51508454	2.26839237	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	1.00825254	1.00825254	mg/L	10521.14822597	0.00169951	0.16855988	17.68116526	0.17	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.38456687	5.38456687	mg/L	6121.76978198	0.01497529	0.27811497	16.50286553	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.99519567	0.99519567	mg/L	3443.35917451	0.00108554	0.10907823	3.78785013	0.11	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	1.00181301	1.00181301	mg/L	3410.16503161	0.00155710	0.15542783	5.25087148	0.15	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.36365381	5.36365381	mg/L	18411.74233276	0.05000134	0.93222535	166.80809320	0.91		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.98459090	4.98459090	mg/L	49099.10754848	0.01372794	0.27540759	135.14682855	0.28	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.00645734	1.00645734	mg/L	180052.07517063	0.00359716	0.35740762	642.35989662	0.36	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.01835013	1.01835013	mg/L	210960.15346896	0.00788303	0.77409807	1632.51907061	0.77	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.02088235	1.02088235	mg/L	4453.89868398	0.00297008	0.29093238	12.94000155	0.29	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.01173884	1.01173884	mg/L	29691.21705816	0.00143061	0.14140083	42.01890404	0.14	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	1.02098274	1.02098274	mg/L	31257.80323994	0.00209090	0.20479310	63.91524342	0.20	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.93	0.93	Ratio	125445.79	0.01	0.97	1217.37	0.97		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	22218.60	0.00	0.12	26.67	0.12		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073011	File:	icp data	Time:	01-JUL-2024 09:45
Cal:	794264073001	Caldate:	01-JUL-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	134295	129928	-3.25
Yttrium	R	23485	22907	-2.46

Instrument ID: MET12

Label:	ICB	Rack:Tube:	S1:1	Type:	QC
Date Time:	7/1/2024 9:45:14 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	-0.00002434	-0.00002434	mg/L	36.51434283	0.00028553	1173.05324213	11.67094540	31.96		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	0.00665346	0.00665346	mg/L	171.37378493	0.00131406	19.75009877	50.53542947	29.49	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	0.00329877	0.00329877	mg/L	11.33432018	0.00136437	41.35982126	6.29101076	55.50	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	0.03013795	0.03013795	mg/L	1354.32911614	0.00059258	1.96622036	20.58084138	1.52	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	nu	-0.00007635	-0.00007635	mg/L	56.17226796	0.00005596	73.29531180	7.39126041	13.16	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	0.00002761	0.00002761	mg/L	11.97343784	0.00000357	12.91613873	4.25493623	35.54	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	0.00369746	0.00369746	mg/L	732.90981034	0.00138814	37.54315960	8.92269501	1.22	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00013506	-0.00013506	mg/L	27.87406114	0.00003192	23.63220906	6.08301262	21.82	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	nu	0.00004538	0.00004538	mg/L	51.38764153	0.00007581	167.06074457	3.71390095	7.23	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	nu	0.00002518	0.00002518	mg/L	-39.08434276	0.00013571	539.06550710	6.51329027	16.66	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	0.00254442	0.00254442	mg/L	965.48140227	0.00017203	6.76122211	6.73004869	0.70	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	nu	-0.00064467	-0.00064467	mg/L	40.16803330	0.00023692	36.75076721	8.20579411	20.43	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	18.08654694	-	-	20.17509132	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	0.00531388	0.00531388	mg/L	84.33846127	0.00121013	22.77295547	42.98679140	50.97	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	0.02293827	0.02293827	mg/L	4.30159911	0.00070828	3.08778206	0.31740275	7.38	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.00031917	0.00031917	mg/L	298.46480825	0.00005665	17.75058389	20.45909434	6.85	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	n	0.00112166	0.00112166	mg/L	17.42736573	0.00023157	20.64503853	3.15019923	18.08	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	0.01930548	0.01930548	mg/L	15.25076423	0.00283624	14.69135771	12.54401489	82.25	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	nu	-0.00010570	-0.00010570	mg/L	-6.06861586	0.00031343	296.52557164	6.08173815	> 100.00	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	nu	0.00750365	0.00750365	mg/L	1.89968014	0.00682096	90.90181694	0.57938297	30.50		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	nu	0.00007271	0.00007271	mg/L	34.96370120	0.00123518	1698.77183908	12.85040663	36.75	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	nu	0.00106279	0.00106279	mg/L	185.89753402	0.00788819	742.21560620	8.69283341	4.68		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00210917	0.00210917	mg/L	-21.73342742	0.00136781	64.85050805	4.77278673	21.96	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	nu	-0.00147981	-0.00147981	mg/L	26.43399779	0.00266393	180.01910188	8.98337438	33.98	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	nu	-0.00668381	-0.00668381	mg/L	496.54969465	0.00715232	107.00960216	23.86065587	4.81		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	0.00080618	0.00080618	mg/L	35.17651225	0.00051712	64.14525289	5.09090934	14.47	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	nu	-0.00106486	-0.00106486	mg/L	50.42317313	0.00006686	6.27885228	11.93960936	23.68	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	0.00032958	0.00032958	mg/L	135.98142066	0.00013023	39.51455286	26.97007121	19.83	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	nu	-0.00062893	-0.00062893	mg/L	3.39251558	0.00040725	64.75230949	1.77429656	52.30	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	nu	0.00017164	0.00017164	mg/L	-23.54979438	0.00031620	184.22518026	9.28723735	39.44	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	nu	-0.00069946	-0.00069946	mg/L	20.33372856	0.00037598	53.75261493	11.49295992	56.52	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.97	0.97	Ratio	129928.35	0.01	0.60	776.99	0.60		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	22906.59	0.01	0.62	143.07	0.62		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073013	File:	icp data	Time:	01-JUL-2024 09:51
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S20577

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.005431]	0.003333	mg/L	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	389.5	mg/L	97	
Aluminum as Al2O3	A	755.8	736.0	mg/L	97	
Iron	A	160.0	146.2	mg/L	91	
Iron as Fe2O3	A	228.8	209.1	mg/L	91	
Calcium	R	400.0	385.8	mg/L	96	
Calcium as CaCO3	R	998.9	963.5	mg/L	96	
Magnesium	R	400.0	393.9	mg/L	98	
Magnesium as MgCO3	R	1388	1367	mg/L	98	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	112973	-15.88
Yttrium	R	23485	20613	-12.23

!=warning -=low bias a=ICSA

Instrument ID: MET12

Label:	ICSA,S20577	Rack:Tube:	S1:14	Type:	QC
Date Time:	7/1/2024 9:51:30 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
Ag 328.068	Ag	nu	-0.00009308	-0.00009308	mg/L	41.05119995	0.00053475	574.49665831	21.85788260	53.25		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6
Al 396.152	Al	no	389.54532706	389.54532706	mg/L	14983368.50853930	0.39754336	0.10205317	15288.46184028	0.10	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3
As 188.980	As	n	0.00426153	0.00426153	mg/L	20.48677138	0.00342096	80.27543209	15.77383571	77.00	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93
B 249.678	B	nu	-0.00613528	-0.00613528	mg/L	126.59874033	0.00052985	8.63609921	18.40218281	14.54	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9
Ba 230.424	Ba	n	0.00291898	0.00291898	mg/L	614.72994100	0.00013743	4.70802648	18.15227009	2.95	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087
Be 313.107	Be	n	0.00004802	0.00004802	mg/L	3.92002141	0.00000282	5.86829082	3.36203245	85.77	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	119303
Ca 317.933	Ca-R	no	385.81593747	385.81593747	mg/L	2480726.16906911	0.57478483	0.14897903	3694.59890724	0.15	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79
Cd 214.439	Cd	n	0.00057187	0.00057187	mg/L	519.79349503	0.00008315	14.54024244	15.84714018	3.05	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583
Co 230.786	Co	nu	-0.00109955	-0.00109955	mg/L	63.60189636	0.00022194	20.18436778	10.87259409	17.09	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6
Cr 267.716	Cr	nu	-0.00069626	-0.00069626	mg/L	-35.28317544	0.00014255	20.47391280	6.84162556	19.39	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7
Cu 324.754	Cu	nu	-0.00324371	-0.00324371	mg/L	770.98541045	0.00031634	9.75252962	12.37553571	1.61	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5
Fe 259.940	Fe	no	146.22931322	146.22931322	mg/L	5065194.77262155	0.79968244	0.54686877	27697.08548206	0.55	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1
K 766.491	K-R	n	Uncal	Uncal	mg/L	3.63622676	-	-	39.35289960	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601
Li 670.783	Li-R	n	0.00740674	0.00740674	mg/L	293.73773178	0.00097133	13.11417153	34.50419280	11.75	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5
Mg 279.800	Mg-R	no	393.93348788	393.93348788	mg/L	176555.65583111	0.45628634	0.11582827	204.47526948	0.12	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129
Mn 257.610	Mn	nu	-0.00010376	-0.00010376	mg/L	740.41513651	0.00005782	55.72723781	20.88161206	2.82	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120
Mo 204.598	Mo	n	0.00276214	0.00276214	mg/L	118.96242498	0.00102522	37.11693538	13.94693894	11.72	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8
Na 589.592	Na-R	n	0.10217552	0.10217552	mg/L	315.05871727	0.00806633	7.89458512	35.67550850	11.32	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76
Ni 231.604	Ni	nu	-0.00124430	-0.00124430	mg/L	27.18488535	0.00007356	5.91171648	1.42734935	5.25	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0
P 177.434	P	nu	0.01999189	0.01999189	mg/L	3.48672979	0.02565947	128.34943822	2.17955687	62.51		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416
Pb 220.353	Pb	nu	-0.00543067	-0.00543067	mg/L	-630.40505647	0.00034122	6.28323821	3.54996640	0.56	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6
S 181.972	S	n	0.02153157	0.02153157	mg/L	307.59238570	0.00266891	12.39531863	2.94115342	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00
Sb 206.834	Sb	n	0.00641532	0.00641532	mg/L	-6.04666579	0.00326351	50.87054585	11.38757131	> 100.00	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36
Se 196.026	Se	nu	-0.00536153	-0.00536153	mg/L	11.07227362	0.00252833	47.15695570	8.52609977	77.00	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22
Si 251.611	Si	nu	-0.14933431	-0.14933431	mg/L	35.59954285	0.00260340	1.74333465	8.68512035	24.40		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07
Sn 189.925	Sn	nu	-0.00170700	-0.00170700	mg/L	23.95096178	0.00057657	33.77673198	5.67611481	23.70	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65
Sr 421.552	Sr-R	n	0.01795785	0.01795785	mg/L	4123.62196495	0.00009692	0.53972871	17.30808748	0.42	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574
Ti 334.941	Ti	nu	-0.00024652	-0.00024652	mg/L	48.83563608	0.00001756	7.12269218	3.63630730	7.45	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092
Tl 190.794	Tl	nu	-0.00130705	-0.00130705	mg/L	5.08480702	0.00132990	101.74826707	5.79408084	> 100.00	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78
V 292.401	V	nu	-0.00172635	-0.00172635	mg/L	-169.48707212	0.00005352	3.10018550	1.57195694	0.93	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3
Zn 206.200	Zn	nu	-0.03231069	-0.03231069	mg/L	125.36399842	0.00019283	0.59681469	5.89462846	4.70	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2
Y 371.029	Y		0.84	0.84	Ratio	112972.64	0.01	0.82	928.69	0.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.88	0.88	Ratio	20612.54	0.00	0.26	53.20	0.26		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073014	File:	icp data	Time:	01-JUL-2024 09:54
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21007

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9400	mg/L	-6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	113054	-15.82
Yttrium	R	23485	20576	-12.39

Instrument ID: MET12

Label:	ICSAB,S20763	Rack:Tube:	S1:15	Type:	QC
Date Time:	7/1/2024 9:54:38 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]	Calibratio
Ag 328.068	Ag	n	1.03885200	1.03885200	mg/L	42507.43987400	0.00353132	0.33992550	144.34146336	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874
Al 396.152	Al	no	383.48589401	383.48589401	mg/L	14750305.45683360	0.32061557	0.08360557	12330.02359817	0.08	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457
As 188.980	As	n	0.00239883	0.00239883	mg/L	11.83228702	0.00061558	25.66165135	2.83839401	23.99	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9
B 249.678	B	nu	-0.00596442	-0.00596442	mg/L	132.07327278	0.00038890	6.52038134	13.50697463	10.23	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730
Ba 230.424	Ba	n	0.50830648	0.50830648	mg/L	67367.67442280	0.00242623	0.47731631	320.47405877	0.48	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	13208
Be 313.107	Be	n	0.49851156	0.49851156	mg/L	594687.54789088	0.00135516	0.27184203	1616.75456687	0.27	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	11930
Ca 317.933	Ca-R	no	381.13964762	381.13964762	mg/L	2450666.99979449	0.75795948	0.19886660	4872.00794621	0.20	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7
Cd 214.439	Cd	n	0.91741033	0.91741033	mg/L	175249.22011329	0.00491934	0.53622026	937.54504412	0.53	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	19058
Co 230.786	Co	n	0.46111697	0.46111697	mg/L	22706.48467474	0.00081065	0.17580050	39.71323964	0.17	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989
Cr 267.716	Cr	n	0.48011681	0.48011681	mg/L	23040.23756633	0.00073869	0.15385538	35.45229442	0.15	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993
Cu 324.754	Cu	n	0.54472395	0.54472395	mg/L	22207.25025878	0.00103509	0.19002060	40.49320927	0.18	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120
Fe 259.940	Fe	no	144.30602268	144.30602268	mg/L	4998575.06546954	0.25903623	0.17950480	8971.74715226	0.18	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635
K 766.491	K-R	n	Uncal	Uncal	mg/L	22.75755909	-	-	47.47950637	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60
Li 670.783	Li-R	n	0.00659440	0.00659440	mg/L	263.01048873	0.00061222	9.28391337	21.74754703	8.27	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522
Mg 279.800	Mg-R	no	388.90436255	388.90436255	mg/L	174301.57114334	0.69294648	0.17817915	310.52960483	0.18	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12
Mn 257.610	Mn	n	0.48069459	0.48069459	mg/L	174358.16468765	0.00066504	0.13834996	240.15961856	0.14	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	36112
Mo 204.598	Mo	n	0.00240574	0.00240574	mg/L	113.00294679	0.00078209	32.50922386	10.63936726	9.42	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603
Na 589.592	Na-R	n	7.34607868	7.34607868	mg/L	32354.08786349	0.00458246	0.06237968	20.26715308	0.06	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7
Ni 231.604	Ni	n	0.90301179	0.90301179	mg/L	17572.62849708	0.00208636	0.23104432	40.48376534	0.23	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404
P 177.434	P	nu	0.00091427	0.00091427	mg/L	1.85876937	0.01042739	1140.51894323	0.88571911	47.65		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941
Pb 220.353	Pb	n	0.93998288	0.93998288	mg/L	9213.93473269	0.00285256	0.30346949	29.67715838	0.32	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403
S 181.972	S	n	0.02430272	0.02430272	mg/L	309.28875726	0.00318395	13.10119832	3.50873169	1.13		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.0
Sb 206.834	Sb	n	0.00672874	0.00672874	mg/L	-4.95440531	0.00247137	36.72856296	8.62350149	> 100.00	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3
Se 196.026	Se	nu	-0.00566942	-0.00566942	mg/L	10.06195457	0.00082227	14.50351486	2.77286032	27.56	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2
Si 251.611	Si	nu	-0.14695463	-0.14695463	mg/L	43.33070928	0.00353940	2.40850119	11.80770781	27.25		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0
Sn 189.925	Sn	nu	-0.00171284	-0.00171284	mg/L	23.70849632	0.00148072	86.44805264	14.57717957	61.49	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6
Sr 421.552	Sr-R	n	0.01767777	0.01767777	mg/L	4065.16810555	0.00004030	0.22798387	7.19699085	0.18	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	17857
Ti 334.941	Ti	nu	-0.00020083	-0.00020083	mg/L	57.81029649	0.00007165	35.67555773	14.83799266	25.67	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	20709
Tl 190.794	Tl	nu	-0.00034889	-0.00034889	mg/L	9.19563661	0.00085740	245.74912293	3.73549203	40.62	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7
V 292.401	V	n	0.50635243	0.50635243	mg/L	14754.73400663	0.00066482	0.13129621	19.52672562	0.13	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371
Zn 206.200	Zn	n	0.89039118	0.89039118	mg/L	28316.23254886	0.00217700	0.24449962	66.54719567	0.24	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568
Y 371.029	Y		0.84	0.84	Ratio	113053.82	0.01	0.69	778.58	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.88	0.88	Ratio	20576.17	0.00	0.33	67.83	0.33		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073037	File:	icp data	Time:	01-JUL-2024 11:06
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10271	1.000	0.9842	mg/L	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123105	-8.33
Yttrium	R	23485	21794	-7.20

Instrument ID: MET12

Label:	CCV,S21056	Rack:Tube:	S1:12	Type:	QC
Date Time:	7/1/2024 11:06:26 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	n	0.49556085	0.49556085	mg/L	20296.02251175	0.00158175	0.31918303	64.65326271	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.02290936	1.02290936	mg/L	39525.67881951	0.00131562	0.12861518	50.59512428	0.13	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	0.99290346	0.99290346	mg/L	4574.22708998	0.00204319	0.20577949	9.42103381	0.21	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.04568534	1.04568534	mg/L	36628.75282677	0.00808457	0.77313607	280.78517711	0.77	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.02397330	1.02397330	mg/L	135327.05313930	0.00595635	0.58168998	786.75800385	0.58	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.01151443	1.01151443	mg/L	1206747.41965191	0.00092564	0.09151025	1104.31779878	0.09	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	49.05545278	49.05545278	mg/L	316025.45827562	0.11972642	0.24406343	769.57686924	0.24	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	0.96884436	0.96884436	mg/L	184700.69945765	0.00657896	0.67905269	1253.84192400	0.68	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	0.99529167	0.99529167	mg/L	48809.96204883	0.00604173	0.60703071	295.98188878	0.61	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.96495473	0.96495473	mg/L	46274.32545489	0.00048428	0.05018703	23.24252054	0.05	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.03149696	1.03149696	mg/L	41226.99729552	0.00706492	0.68491958	276.38378952	0.67	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.02134652	1.02134652	mg/L	35490.80264451	0.00059420	0.05817814	20.58019446	0.06	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30207.74640658	-	-	71.16925532	0.24	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	1.04486836	1.04486836	mg/L	37025.85348376	0.00154429	0.14779766	54.85714409	0.15	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	47.86748945	47.86748945	mg/L	21445.14069924	0.13497399	0.28197423	60.48579505	0.28	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.98788582	0.98788582	mg/L	356954.43820779	0.00062945	0.06371676	227.30665440	0.06	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.01140421	1.01140421	mg/L	13761.18602860	0.00102056	0.10090530	13.88350536	0.10	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.62065484	30.62065484	mg/L	135353.89683012	0.03365454	0.10990797	148.84617816	0.11	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.96461239	0.96461239	mg/L	18717.50339381	0.00172073	0.17838605	33.38919168	0.18	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	4.36297474	4.36297474	mg/L	371.94372088	0.00657968	0.15080720	0.55888860	0.15		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	0.98422617	0.98422617	mg/L	10271.21007154	0.00070114	0.07123719	7.29439083	0.07	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.12398848	5.12398848	mg/L	5834.55670876	0.02838345	0.55393283	31.27875562	0.54		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.99536098	0.99536098	mg/L	3443.93900816	0.00410084	0.41199560	14.30933448	0.42	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	0.97895127	0.97895127	mg/L	3333.05790497	0.00043100	0.04402679	1.45342987	0.04	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.37633505	5.37633505	mg/L	18454.07588962	0.06819366	1.26840416	227.49897961	1.23		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.80167345	4.80167345	mg/L	47298.34339910	0.03704105	0.77141965	364.65632513	0.77	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.02571056	1.02571056	mg/L	183488.69992799	0.00135400	0.13200590	241.78948784	0.13	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.03844720	1.03844720	mg/L	215122.09156309	0.00429418	0.41351907	889.29351092	0.41	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.00041213	1.00041213	mg/L	4364.71709112	0.00193622	0.19354266	8.43572124	0.19	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.01687247	1.01687247	mg/L	29841.90174210	0.00102561	0.10085889	30.12347160	0.10	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	0.98386826	0.98386826	mg/L	30123.30045265	0.00254460	0.25863231	77.78403023	0.26	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.92	0.92	Ratio	123105.15	0.01	0.67	821.99	0.67		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21794.13	0.00	0.23	50.75	0.23		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073038	File:	icp data	Time:	01-JUL-2024 11:09
Cal:	794264073001	Caldate:	01-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.003245]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	127397	-5.14
Yttrium	R	23485	22318	-4.97

!=warning CCB=instrument blank

Instrument ID: MET12

Label:	CCB	**Rack:Tube:**	S1:1	**Type:**	QC
Date Time:	7/1/2024 11:09:33 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	-0.00030876	-0.00030876	mg/L	24.88928198	0.00013656	44.22967101	5.58196842	22.43		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342
Al 396.152	Al	n	0.00707777	0.00707777	mg/L	187.78318799	0.00061016	8.62085451	23.46529457	12.50	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547
As 188.980	As	n	0.00234765	0.00234765	mg/L	6.94875965	0.00162801	69.34648816	7.50665802	> 100.00	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196
B 249.678	B	n	0.02824872	0.02824872	mg/L	1288.71448854	0.00075364	2.66785616	26.17449813	2.03	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535
Ba 230.424	Ba	nu	-0.00006778	-0.00006778	mg/L	57.30519789	0.00015322	226.04573380	20.23891879	35.32	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331
Be 313.107	Be	n	0.00002692	0.00002692	mg/L	11.14846156	0.00000547	20.31087840	6.52351377	58.51	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	0.00538244	0.00538244	mg/L	743.74266130	0.00067060	12.45902799	4.31047743	0.58	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00012551	-0.00012551	mg/L	29.70306979	0.00006167	49.13666230	11.75362171	39.57	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588
Co 230.786	Co	nu	-0.00014787	-0.00014787	mg/L	41.92197489	0.00018565	125.54773502	9.09501226	21.70	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363
Cr 267.716	Cr	nu	-0.00005217	-0.00005217	mg/L	-42.79529040	0.00013765	263.85219081	6.60627377	15.44	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174
Cu 324.754	Cu	n	0.00308133	0.00308133	mg/L	986.48504109	0.00017423	5.65444422	6.81606724	0.69	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848
Fe 259.940	Fe	n	0.00146654	0.00146654	mg/L	113.30304717	0.00022127	15.08803842	7.66376893	6.76	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956
K 766.491	K-R	n	Uncal	Uncal	mg/L	-52.38201602	-	-	67.75195722	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871
Li 670.783	Li-R	n	0.00827004	0.00827004	mg/L	189.35235294	0.00033859	4.09419692	12.02764599	6.35	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422
Mg 279.800	Mg-R	n	0.01784893	0.01784893	mg/L	2.02164717	0.00439922	24.64696111	1.97141902	97.52	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216
Mn 257.610	Mn	nu	-0.00006798	-0.00006798	mg/L	158.67095666	0.00002528	37.19118430	9.13024015	5.75	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	n	0.00120453	0.00120453	mg/L	18.55531403	0.00027927	23.18486506	3.79911929	20.47	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065
Na 589.592	Na-R	n	0.01624832	0.01624832	mg/L	1.72852357	0.00195271	12.01790783	8.63637416	> 100.00	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	nu	-0.00082149	-0.00082149	mg/L	-19.95647294	0.00038284	46.60284585	7.42857111	37.22	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663
P 177.434	P	nu	-0.00033458	-0.00033458	mg/L	1.23390183	0.00235289	703.22978169	0.19985855	16.20		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437392
Pb 220.353	Pb	n	0.00324494	0.00324494	mg/L	67.96183948	0.00060784	18.73196536	6.32378482	9.30	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604
S 181.972	S	nu	-0.03142515	-0.03142515	mg/L	150.09711981	0.00340964	10.85004694	3.75745038	2.50		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00243190	0.00243190	mg/L	-20.60695670	0.00302089	124.21916569	10.54098349	51.15	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116
Se 196.026	Se	nu	-0.00408671	-0.00408671	mg/L	17.64276443	0.00084883	20.77060317	2.86245824	16.22	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954
Si 251.611	Si	nu	-0.01424464	-0.01424464	mg/L	471.32625234	0.00135347	9.50158087	4.51526125	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466314
Sn 189.925	Sn	n	0.00037188	0.00037188	mg/L	30.90127320	0.00045174	121.47326770	4.44718103	14.39	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724
Sr 421.552	Sr-R	nu	-0.00108497	-0.00108497	mg/L	46.85960849	0.00012708	11.71294979	22.69350886	48.43	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918
Ti 334.941	Ti	n	0.00061918	0.00061918	mg/L	195.95654210	0.00020010	32.31716266	41.43989626	21.15	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159
Tl 190.794	Tl	nu	-0.00124260	-0.00124260	mg/L	0.71895470	0.00022751	18.30940260	0.99122352	> 100.00	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312
V 292.401	V	n	0.00045703	0.00045703	mg/L	-15.16949285	0.00009137	19.99334590	2.68380899	17.69	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935
Zn 206.200	Zn	nu	-0.00033648	-0.00033648	mg/L	31.45668177	0.00021443	63.72894277	6.55485265	20.84	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291
Y 371.029	Y		0.95	0.95	Ratio	127396.94	0.01	0.69	878.81	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	22318.10	0.00	0.25	55.90	0.25		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073049	File:	icp data	Time:	01-JUL-2024 11:46
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10301	1.000	0.9871	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123815	-7.80
Yttrium	R	23485	21980	-6.41

Instrument ID: MET12

Label:	CCV,S21056	Rack:Tube:	S1:12	Type:	QC
Date Time:	7/1/2024 11:46:24 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	n	0.49841616	0.49841616	mg/L	20412.73306814	0.00160222	0.32146228	65.49012388	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.02560400	1.02560400	mg/L	39629.51160470	0.00330774	0.32251668	127.20704905	0.32	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	1.00173190	1.00173190	mg/L	4614.93450072	0.00318551	0.31800072	14.68821649	0.32	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.04137316	1.04137316	mg/L	36478.98422491	0.00651634	0.62574488	226.31894408	0.62	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.02265228	1.02265228	mg/L	135152.55283956	0.00301482	0.29480367	398.21887400	0.29	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.01626805	1.01626805	mg/L	1212418.64090629	0.00111073	0.10929506	1325.13789744	0.11	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	49.05902331	49.05902331	mg/L	316048.41206046	0.04608954	0.09394712	296.25408469	0.09	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	0.97362063	0.97362063	mg/L	185610.97274601	0.00488625	0.50186430	931.23946241	0.50	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	0.99697502	0.99697502	mg/L	48892.42758464	0.00384134	0.38529919	188.18564017	0.38	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.96522539	0.96522539	mg/L	46287.31827367	0.00181140	0.18766619	86.93597300	0.19	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.04034920	1.04034920	mg/L	41573.29125853	0.00709841	0.68231078	277.69394106	0.67	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.01627212	1.01627212	mg/L	35315.04184035	0.00178212	0.17535855	61.72391390	0.17	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30349.01524920	-	-	47.99791637	0.16	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	1.04810312	1.04810312	mg/L	37140.75411458	0.00148343	0.14153465	52.69517445	0.14	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	47.66653592	47.66653592	mg/L	21355.08725765	0.06679808	0.14013621	29.93417380	0.14	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.98591142	0.98591142	mg/L	356241.41129402	0.00151024	0.15318206	545.37785435	0.15	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.01620893	1.01620893	mg/L	13826.54690787	0.00395422	0.38911468	53.79241481	0.39	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.79353774	30.79353774	mg/L	136118.52145631	0.01309003	0.04250901	57.89413899	0.04	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.96735000	0.96735000	mg/L	18770.61909404	0.00339568	0.35102944	65.88997805	0.35	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	4.37271156	4.37271156	mg/L	372.77072141	0.05715871	1.30716843	4.85515237	1.30		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	0.98708448	0.98708448	mg/L	10300.96363766	0.00459965	0.46598295	47.85327658	0.46	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.18145155	5.18145155	mg/L	5897.88291892	0.02876024	0.55506145	31.69397599	0.54		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	1.00558487	1.00558487	mg/L	3479.61378606	0.00350894	0.34894522	12.24396935	0.35	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	0.98722409	0.98722409	mg/L	3360.95575602	0.00192325	0.19481355	6.48561032	0.19	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.38229420	5.38229420	mg/L	18473.95637713	0.06013670	1.11730601	200.62037517	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.83527505	4.83527505	mg/L	47629.13944998	0.03747808	0.77509725	368.95874521	0.77	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.02989594	1.02989594	mg/L	184236.20241221	0.00136503	0.13254052	243.75933605	0.13	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.03812790	1.03812790	mg/L	215055.95990419	0.00503229	0.48474695	1042.15208038	0.48	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.01262650	1.01262650	mg/L	4417.93270049	0.00107048	0.10571335	4.66386227	0.11	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.02008798	1.02008798	mg/L	29936.35041002	0.00108881	0.10673683	31.97983969	0.11	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	1.06887958	1.06887958	mg/L	32721.93837013	0.00612272	0.57281638	187.16081481	0.57	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.92	0.92	Ratio	123815.30	0.01	0.92	1137.24	0.92		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	21979.96	0.00	0.15	32.18	0.15		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073051	File:	icp data	Time:	01-JUL-2024 11:55
Cal:	794264073001	Caldate:	01-JUL-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	134295	130571	-2.77
Yttrium	R	23485	22679	-3.43

Instrument ID: MET12

Label: CCB | Rack:Tube: S1:1 | Type: QC
Date Time: 7/1/2024 11:55:44 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 Coefficient [2]
Ag 328.068	Ag	n!u	0.00002794	0.00002794	mg/L	38.65125216	0.00015430	552.29887680	6.30688345	16.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342
Al 396.152	Al	n!	0.00705981	0.00705981	mg/L	186.99416100	0.00052568	7.44602538	20.21607203	10.81	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547
As 188.980	As	n!	0.00270367	0.00270367	mg/L	8.59030370	0.00092275	34.12955101	4.25474010	49.53	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196
B 249.678	B	n!	0.02715469	0.02715469	mg/L	1250.71774340	0.00026002	0.95755663	9.03080634	0.72	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535
Ba 230.424	Ba	n!u	-0.00016899	-0.00016899	mg/L	43.93573921	0.00012239	72.42409926	16.16610652	36.79	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331
Be 313.107	Be	n!	0.00002376	0.00002376	mg/L	7.38280625	0.00000371	15.60088391	4.42319022	59.91	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n!	0.00430357	0.00430357	mg/L	736.80526783	0.00131993	30.67066565	8.48426049	1.15	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n!u	-0.00015817	-0.00015817	mg/L	23.46940274	0.00003361	21.24753680	6.40496534	27.29	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588
Co 230.786	Co	n!u	-0.00032080	-0.00032080	mg/L	33.44848288	0.00016635	51.85467112	8.14951159	24.36	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363
Cr 267.716	Cr	n!u	-0.00003065	-0.00003065	mg/L	-41.76383697	0.00007788	254.07569644	3.73771898	8.95	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174
Cu 324.754	Cu	n!	0.00302870	0.00302870	mg/L	984.42793199	0.00035906	11.85537847	14.04677386	1.43	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848
Fe 259.940	Fe	n!	0.00087998	0.00087998	mg/L	92.97660815	0.00041142	46.75307552	14.24955415	15.33	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956
K 766.491	K-R	n!	Uncal	Uncal	mg/L	1.77499353	-	-	29.51715659	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871
Li 670.783	Li-R	n!	0.00880247	0.00880247	mg/L	208.26289171	0.00162458	18.45592298	57.70911287	27.71	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422
Mg 279.800	Mg-R	n!	0.01823357	0.01823357	mg/L	2.19324413	0.00217502	11.92864857	0.97468970	44.44	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216
Mn 257.610	Mn	n!u	-0.00023630	-0.00023630	mg/L	97.87560542	0.00001639	6.93592843	5.91857465	6.05	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	n!	0.00031649	0.00031649	mg/L	6.47386480	0.00038689	122.24398480	5.26312079	81.30	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065
Na 589.592	Na-R	n!	0.02247575	0.02247575	mg/L	29.27182563	0.00323714	14.40282467	14.31712603	48.91	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	n!u	-0.00055121	-0.00055121	mg/L	-14.71296404	0.00019762	35.85126402	3.83455512	26.06	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663
P 177.434	P	n!u	0.01081598	0.01081598	mg/L	2.18104129	0.02006968	185.55579572	1.70475070	78.16		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437392
Pb 220.353	Pb	n!	0.00164341	0.00164341	mg/L	51.30477855	0.00020139	12.25433640	2.09518245	4.08	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604
S 181.972	S	n!u	-0.03730628	-0.03730628	mg/L	143.61440256	0.00503043	13.48414686	5.54357101	3.86		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n!	0.00231678	0.00231678	mg/L	-21.00904175	0.00156448	67.52813653	5.45902469	25.98	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116
Se 196.026	Se	n!u	-0.00384784	-0.00384784	mg/L	18.44848111	0.00049800	12.94226709	1.67935953	9.10	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954
Si 251.611	Si	n!u	-0.01556459	-0.01556459	mg/L	466.92268985	0.00056556	3.63364618	1.88675635	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466314
Sn 189.925	Sn	n!u	-0.00016917	-0.00016917	mg/L	25.57450602	0.00043889	259.43044496	4.32070193	16.89	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724
Sr 421.552	Sr-R	n!u	-0.00106815	-0.00106815	mg/L	49.83001945	0.00005736	5.36992459	10.24284484	20.56	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918
Ti 334.941	Ti	n!u	0.00000655	0.00000655	mg/L	69.08498264	0.00001478	225.63814147	3.06142124	4.43	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159
Tl 190.794	Tl	n!u	-0.00034702	-0.00034702	mg/L	4.62071778	0.00075771	218.34417293	3.30116292	71.44	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312
V 292.401	V	n!	0.00013196	0.00013196	mg/L	-24.71514136	0.00011911	90.26306991	3.49841064	14.15	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935
Zn 206.200	Zn	n!	0.06318184	0.06318184	mg/L	1973.07212823	0.00231197	3.65922583	70.67278720	3.58	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291
Y 371.029	Y	!	0.97	0.97	Ratio	130570.69	0.00	0.26	335.24	0.26		-	-	-	Fitted	-	-
Y 371.029	Y-R	!	0.97	0.97	Ratio	22678.73	0.00	0.38	85.08	0.38		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 510951 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073062	File:	icp data	Time:	01-JUL-2024 12:30
Cal:	794264073001	Caldate:	01-JUL-2024		

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10354	1.000	0.9922	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123621	-7.95
Yttrium	R	23485	22121	-5.81

Instrument ID: MET12

Label:	CCV,S21056	Rack:Tube:	S1:12	Type:	QC
Date Time:	7/1/2024 12:30:05 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	n	0.50089460	0.50089460	mg/L	20514.03585312	0.00160585	0.32059681	65.63858623	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.03338283	1.03338283	mg/L	39928.43794589	0.00303249	0.29345299	116.62162008	0.29	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	1.01388382	1.01388382	mg/L	4670.96658576	0.00546380	0.53889846	25.19327309	0.54	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.05161326	1.05161326	mg/L	36834.62961989	0.00145157	0.13803290	50.41454903	0.14	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.03073570	1.03073570	mg/L	136220.25753306	0.00255522	0.24790288	337.51248218	0.25	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.02059792	1.02059792	mg/L	1217584.31634337	0.00288415	0.28259446	3440.88831882	0.28	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	49.11255186	49.11255186	mg/L	316392.48258133	0.12839640	0.26143296	825.30569318	0.26	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	0.97740673	0.97740673	mg/L	186332.52374882	0.00364509	0.37293491	694.69418875	0.37	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	1.00718901	1.00718901	mg/L	49392.80276526	0.00251640	0.24984432	123.27771150	0.25	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.97123877	0.97123877	mg/L	46575.92087131	0.00155957	0.16057580	74.84983498	0.16	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.04840413	1.04840413	mg/L	41888.39656490	0.00457686	0.43655505	179.04935902	0.43	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.02333472	1.02333472	mg/L	35559.59057270	0.00085320	0.08337411	29.55053984	0.08	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30377.65800181	-	-	79.53018397	0.26	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	1.04878357	1.04878357	mg/L	37164.90684234	0.00152438	0.14534701	54.14969876	0.15	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	47.57029260	47.57029260	mg/L	21311.95635476	0.10060956	0.21149661	45.08608836	0.21	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.99389247	0.99389247	mg/L	359123.47278338	0.00177645	0.17873630	641.51066006	0.18	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.02452522	1.02452522	mg/L	13939.68103564	0.00307428	0.30006840	41.82185836	0.30	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.86025998	30.86025998	mg/L	136413.62430033	0.05472046	0.17731691	242.01581528	0.18	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.97356863	0.97356863	mg/L	18891.27752542	0.00267732	0.27500076	51.95084871	0.27	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	4.35542092	4.35542092	mg/L	371.30190353	0.03269094	0.75058041	2.77682071	0.75		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	0.99218569	0.99218569	mg/L	10354.03174257	0.00319748	0.32226658	33.26561577	0.32	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.21309560	5.21309560	mg/L	5932.75389736	0.03200385	0.61391257	35.26845499	0.59		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	1.01437556	1.01437556	mg/L	3510.28648033	0.00271871	0.26801838	9.48657835	0.27	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	0.99898750	0.99898750	mg/L	3400.62483561	0.00230342	0.23057553	7.76764219	0.23	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.41722421	5.41722421	mg/L	18590.48677969	0.05817792	1.07394338	194.08575747	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.86307876	4.86307876	mg/L	47902.85699463	0.03174261	0.65272672	312.49504017	0.65	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.03236112	1.03236112	mg/L	184676.37548437	0.00248948	0.24114459	444.55797927	0.24	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.04247543	1.04247543	mg/L	215956.30177940	0.00373190	0.35798459	772.85019611	0.36	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.02000755	1.02000755	mg/L	4450.09051668	0.00264771	0.25957772	11.53552513	0.26	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.02518212	1.02518212	mg/L	30085.97527916	0.00228057	0.22245502	66.98345954	0.22	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	1.03843363	1.03843363	mg/L	31791.20778259	0.00537833	0.51792709	164.40616218	0.52	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.92	0.92	Ratio	123620.81	0.01	0.61	755.90	0.61		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	22121.48	0.00	0.36	79.31	0.36		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510951 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794264073063	File:	icp data	Time:	01-JUL-2024 12:33
Cal:	794264073001	Caldate:	01-JUL-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	134295	127561	-5.01
Yttrium	R	23485	22661	-3.51

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	7/1/2024 12:33:12 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	-0.00035531	-0.00035531	mg/L	22.98647400	0.00010945	30.80408031	4.47376189	19.46		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	0.00622255	0.00622255	mg/L	154.86820836	0.00040268	6.47133965	15.48609929	10.00	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	0.00219354	0.00219354	mg/L	6.23808073	0.00100381	45.76209395	4.62849901	74.20	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	0.02806831	0.02806831	mg/L	1282.44847774	0.00013804	0.49180372	4.79430140	0.37	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	nu	-0.00019668	-0.00019668	mg/L	40.27733706	0.00007646	38.87589394	10.09939886	25.07	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	0.00002313	0.00002313	mg/L	6.62704371	0.00000478	20.67852989	5.70652731	86.11	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	0.00386354	0.00386354	mg/L	733.97799538	0.00053491	13.84507429	3.43828839	0.47	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00012790	-0.00012790	mg/L	29.24134224	0.00003298	25.78446256	6.28496753	21.49	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	nu	-0.00021305	-0.00021305	mg/L	38.72786806	0.00009094	42.68324632	4.45491850	11.50	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	nu	-0.00006639	-0.00006639	mg/L	-43.47840925	0.00007813	117.67137832	3.74953461	8.62	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	0.00358141	0.00358141	mg/L	1006.04827140	0.00036610	10.22212862	14.32190804	1.42	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	nu	0.00033100	0.00033100	mg/L	73.96809297	0.00052083	157.35203127	18.03904075	24.39	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	-5.09079871	-	-	52.07065350	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	0.00852930	0.00852930	mg/L	198.56006558	0.00131977	15.47335675	46.88156426	23.61	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	0.01767436	0.01767436	mg/L	1.94287583	0.00501151	28.35469422	2.24580433	> 100.00	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	nu	-0.00024039	-0.00024039	mg/L	96.39931951	0.00002631	10.94459191	9.50107084	9.86	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	n	0.00134193	0.00134193	mg/L	20.42308328	0.00066002	49.18446598	8.97880848	43.96	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	0.01720438	0.01720438	mg/L	5.95799516	0.00175834	10.22032162	7.77674060	> 100.00	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	nu	-0.00030085	-0.00030085	mg/L	-9.85502480	0.00031005	103.05791561	6.01631440	61.05	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	nu	-0.00569367	-0.00569367	mg/L	0.77868589	0.00695966	122.23484954	0.59116429	75.92		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	nu	-0.00059928	-0.00059928	mg/L	27.97857773	0.00137115	228.79983916	14.26497489	50.99	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	nu	-0.03256879	-0.03256879	mg/L	148.83532549	0.00159565	4.89932997	1.75841985	1.18		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00413810	0.00413810	mg/L	-14.65349292	0.00068609	16.57976614	2.39400688	16.34	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	nu	-0.00258620	-0.00258620	mg/L	22.70291843	0.00230336	89.06344213	7.76742962	34.21	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.220313509
Si 251.611	Si	nu	-0.01291980	-0.01291980	mg/L	475.74573435	0.00135085	10.45565672	4.50653401	0.95		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.072424663
Sn 189.925	Sn	nu	0.00014956	0.00014956	mg/L	28.71239457	0.00042916	286.94177410	4.22489384	14.71	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.653412027
Sr 421.552	Sr-R	nu	-0.00112662	-0.00112662	mg/L	39.41719656	0.00008007	7.10722009	14.29865240	36.28	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918
Ti 334.941	Ti	n	0.00037698	0.00037698	mg/L	145.79696116	0.00012317	32.67239330	25.50731586	17.50	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159
Tl 190.794	Tl	nu	-0.00073895	-0.00073895	mg/L	2.91317546	0.00053530	72.44055269	2.33218232	80.06	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.789424983
V 292.401	V	nu	0.00013864	0.00013864	mg/L	-24.51894430	0.00029709	214.29289689	8.72585296	35.59	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	0.03832632	0.03832632	mg/L	1213.29048916	0.00784084	20.45810975	239.68084453	19.75	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.95	0.95	Ratio	127561.05	0.00	0.29	364.85	0.29		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	22661.39	0.00	0.17	38.10	0.17		-	-	-	Fitted	-	-

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

enthalpy.com

Lab Job Number : 511162
Report Level : II
Report Date : 07/01/2024

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 #:	511162
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/27/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.2GE-PS-17-240627-L-CB	511162-001	06/27/24 07:30	Wipe
DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB	511162-002	06/27/24 08:10	Wipe
DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB	511162-003	06/27/24 07:50	Wipe
DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA	511162-004	06/27/24 08:00	Wipe
DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB	511162-005	06/27/24 08:15	Wipe
DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA	511162-006	06/27/24 08:30	Wipe
DOOR-S-15.2GE-PS-16-240627-L-G	511162-007	06/27/24 08:40	Wipe
AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-L-SS	511162-008	06/27/24 09:10	Wipe
AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-L-SS	511162-009	06/27/24 09:15	Wipe
AFRAME-SGE-LAT-L1-HS-3-240627-L-A	511162-010	06/27/24 08:50	Wipe
AFRAME-SGE-MED-L1-HS-3-240627-L-A	511162-011	06/27/24 09:00	Wipe
DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA	511162-012	06/27/24 09:50	Wipe
DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-013	06/27/24 09:37	Wipe
DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-CB	511162-014	06/27/24 09:37	Wipe
DOOR-S-15.4GE-INT-1 TO 16-240627-L-CB	511162-015	06/27/24 09:30	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	511162
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	06/27/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS	511162-016	06/27/24 10:00	Wipe
240627-L-FIELDBLANK1-HO	511162-017	06/27/24 07:30	Wipe
240627-L-MEDBLANK1-HO	511162-018	06/27/24 11:04	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 511162 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/27/24

This data package contains sample and QC results for eighteen wipe samples, requested for the above referenced project on 06/28/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

5 11162

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 (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-S-15.2GE-PS-17-240627-L-G	6/27/2024	0730	WP	1	--	X		6x Rivet Type 1 = 0.0828 ft²
2	DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB	6/27/2024	0810	WP	1	--	X		
3	DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB	6/27/2024	0750	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
4	DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA	6/27/2024	0800	WP	1	--	X		
5	DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB	6/27/2024	0815	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
6	DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA	6/27/2024	0830	WP	1	--	X		10x Rivet Type 1 = 0.138 ft²
7	DOOR-S-15.2GE-PS-16-240627-L-G	6/27/2024	0840	WP	1	--	X		
8	AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-L-SS	6/27/2024	0910	WP	1	--	X		
9	AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-L-SS	6/27/2024	0915	WP	1	--	X		
10	AFRAME-SGE-LAT-L1-HS-3-240627-L-A	6/27/2024	0850	WP	1	--	X		
11	AFRAME-SGE-MED-L1-HS-3-240627-L-A	6/27/2024	0900	WP	1	--	X		
12	DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA	6/27/2024	0950	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
13	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	6/27/2024	0937	WP	1	--	X		
14	DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-CB	6/27/2024	0937	WP	1	--	X		
15	DOOR-S-15.4GE-INT-1 TO 16-240627-L-CB	6/27/2024	0930	WP	1	--	X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	6/27/24 1450
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/27/24 14:50
[2] Relinquished By:	Audrey Hudson	"	"	6/27/24 17:15
[2] Received By:				6/27/24 17:15
[3] Relinquished By:		Kenneth High	EA	6/27/24 18:26
[3] Received By:			EA	JUN 28 2024 1000

511162

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 (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

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 8 Enclosure A (High Occupancy)

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD
16	AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS	6/27/2024	1000	WP	1	--	X	
17	240627-L-FIELDBLANK1-HO	6/27/2024	0730	WP	1	--	X	
18	240627-L-MEDBLANK1-HO	6/27/2024	1104	WP	1	--	X	
19	~~DOOR-S-15.3GE-PS-16-240627-L-LA~~	~~6/27/2024~~		~~WP~~	~~1~~	~~--~~	~~X~~	TS
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Walsh	Rincon / Env. Scientist	6/27/24 1450
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	6/27/24 14:50
2 Relinquished By:	Audrey Hudson			6/27/24 17:15
2 Received By:		6 Kim	BA	6/27/24 17:15
3 Relinquished By:			EA	JUN 28 2024 1000
3 Received By:				

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

Section 1: General Info

Date Received: 6/27/24 Login # 511162 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 6/27/24 By (print) MM (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 6/27/24 **By (print)** MM **(sign)** _____

Date Labeled 6/27/24 **By (print)** Kenneth High **(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 511162 Project: Hangar 1 NTCRA

Date Received: 6/28/24 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: 4.2 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 3.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

Project Manager's response:

Completed By: _____ Date: JUN 28 2024

SOUTHWEST AIRLINES

526 OAK 1458 4441

Printed on:
27 JUN 20:35

PC#	DG	LOT WT
5 OF 10	G	305 LB (138.3 KG)

SNA Reno

4.2 | 37

STN	FLT	DATE	ETD	LOT 01
OAK	WN 941	28 JUN	06:20	

9:20

S

PC ID: 0005
PC WT: 31LB

526 14584441 0005

526

ENTHALPY ANALYTICAL

Lead

Lab #: 511162 **Project#:** 20-10491

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

Field ID: DOOR-S-15.2GE-PS-17-240627-L-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-001 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-001 Analyte	Result	RL	Units
Lead	**300**	0.50	ug/ft2

Field ID: DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-002 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 2.000 **Analyzed:** 07/01/24

511162-002 Analyte	Result	RL	Units
Lead	**500**	0.75	ug/ft2

Field ID: DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-003 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-003 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-004 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-004 Analyte	Result	RL	Units
Lead	**320**	0.50	ug/ft2

Field ID: DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-005 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-005 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 511162 **Project#:** 20-10491

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

Field ID: DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-006 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-006 Analyte	Result	RL	Units
Lead	**300**	0.50	ug/ft2

Field ID: DOOR-S-15.2GE-PS-16-240627-L-G **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-007 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 2.000 **Analyzed:** 07/01/24

511162-007 Analyte	Result	RL	Units
Lead	**500**	0.74	ug/ft2

Field ID: AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-L-SS **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-008 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-008 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-L-SS **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-009 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 2.000 **Analyzed:** 07/01/24

511162-009 Analyte	Result	RL	Units
Lead	**800**	0.75	ug/ft2

Field ID: AFRAME-SGE-LAT-L1-HS-3-240627-L-A **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-010 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-010 Analyte	Result	RL	Units
Lead	**79**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 511162 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-SGE-MED-L1-HS-3-240627-L-A **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-011 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-011 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

Field ID: DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-012 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-012 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-013 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-013 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-014 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-014 Analyte	Result	RL	Units
Lead	**220**	0.50	ug/ft2

Field ID: DOOR-S-15.4GE-INT-1 TO 16-240627-L-CB **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-015 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-015 Analyte	Result	RL	Units
Lead	**43**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 511162 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-016 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-016 Analyte	Result	RL	Units
Lead	**60**	0.50	ug/ft2

Field ID: 240627-L-FIELDBLANK1-HO **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-017 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 07/01/24

511162-017 Analyte	Result	RL	Units
Lead	**1.0**	0.50	ug/ft2

Field ID: 240627-L-MEDBLANK1-HO **Batch#:** 344120 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 06/27/24 **Analysis:** EPA 6010B
Lab ID: 511162-018 **Received:** 06/27/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 06/28/24
Diln Fac: 1.000 **Analyzed:** 06/28/24

511162-018 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 344120 **Analysis:** EPA 6010B
Lab ID: QC1165984 **Prepared:** 06/28/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 06/28/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1165984 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 511162 **Project#:** 20-10491

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

Type: BS **Batch#:** 344120 **Analysis:** EPA 6010B

Lab ID: QC1165985 **Prepared:** 06/28/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1165985 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	56.39	113	80-120	ug/ft2

Type: BSD **Batch#:** 344120 **Analysis:** EPA 6010B

Lab ID: QC1165986 **Prepared:** 06/28/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1165986 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.27	109	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number : 511384
Report Level : II
Report Date : 07/03/2024

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 #:	511384
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/02/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.2GE-PS-17-240702-L-G	511384-001	07/02/24 14:05	Wipe
DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB	511384-002	07/02/24 13:20	Wipe
DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA	511384-003	07/02/24 13:25	Wipe
DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA	511384-004	07/02/24 13:35	Wipe
DOOR-S-15.2GE-PS-16-240702-L-G	511384-005	07/02/24 13:40	Wipe
AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-L-SS	511384-006	07/02/24 13:50	Wipe
DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA	511384-007	07/02/24 14:00	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number:	511384
	Project No:	20-10491
	Location:	Hangar 1 NTCRA
	Date Received:	07/02/24

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 07/03/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

511384

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	[redacted]	Custom TAT:	X (Same-day)

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.Walsh, T.Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-S-15.2GE-PS-17-240702-L-G	7/2/2024	1405	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
2	DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB	7/2/2024	1320	WP	1	--	X		
3	DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA	7/2/2024	1325	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
4	DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA	7/2/2024	1335	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
5	DOOR-S-15.2GE-PS-16-240702-L-G	7/2/2024	1340	WP	1	--	X		8x Rivet Type 1 = 0.1104 ft²
6	AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-L-SS	7/2/2024	1350	WP	1	--	X		
7	DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA	7/2/2024	1400	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
8									
9									
10									
11									
12									
13									
14									
15									

Analysis Request

Report lead concentrations on a µg/ft2 basis

Wipe samples collected from Zone 8 Enclosure A for Resampling (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK	Tyler Sinnott	Rincon / Envi. Scientist	7/2/24 1510
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/2/24 15.10
2 Relinquished By:	Audrey Hudson			7/2/24 16:50
2 Received By:				7/2/24 16:50
3 Relinquished By:				7/2/24 17:24
3 Received By:	Olena Sylvestri	Olena Sylvestri	E.A.	7/3/24 10:30

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: 7/1/24 Login # 511384 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 7/1/24 By (print) MM (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 7/1/24 By (print) AM (sign) _____

Date Labeled 7/1/24 By (print) AM (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 - NCTRA WP

Date Received: 7/3/24

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: 4.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: JUL 03 2024

SOUTHWEST AIRLINES

Printed on:
02 JUL 20:30

526 OAK 1470 4266

PC#	DG	LOT WT
3 OF 7	G	350 LB (158.8 KG)

SNA

4.0/ice

STN	FLT	DATE	ETD	LOT
OAK	WN 941	03 JUL	06:20	01

S

PC ID: 0003
PC WT: 50LB

526 14704266 0003

ENTHALPY ANALYTICAL

Lead

Lab #: 511384 **Project#:** 20-10491

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

Field ID: DOOR-S-15.2GE-PS-17-240702-L-G **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511384-001 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511384-001 Analyte	Result	RL	Units
Lead	**4.9**	0.50	ug/ft2

Field ID: DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511384-002 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511384-002 Analyte	Result	RL	Units
Lead	**26**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511384-003 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511384-003 Analyte	Result	RL	Units
Lead	**9.8**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511384-004 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511384-004 Analyte	Result	RL	Units
Lead	**11**	0.50	ug/ft2

Field ID: DOOR-S-15.2GE-PS-16-240702-L-G **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511384-005 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511384-005 Analyte	Result	RL	Units
Lead	**5.2**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 511384 **Project#:** 20-10491

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

Field ID: AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-L-SS
Type: SAMPLE
Lab ID: 511384-006
Matrix: Wipe
Diln Fac: 1.000

Batch#: 344350
Sampled: 07/02/24
Received: 07/02/24
Prepared: 07/03/24
Analyzed: 07/03/24

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

511384-006 Analyte	Result	RL	Units
Lead	**11**	0.50	ug/ft2

Field ID: DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA
Type: SAMPLE
Lab ID: 511384-007
Matrix: Wipe
Diln Fac: 1.000

Batch#: 344350
Sampled: 07/02/24
Received: 07/02/24
Prepared: 07/03/24
Analyzed: 07/03/24

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

511384-007 Analyte	Result	RL	Units
Lead	**14**	0.50	ug/ft2

Type: BLANK
Lab ID: QC1166772
Matrix: Wipe
Diln Fac: 1.000

Batch#: 344350
Prepared: 07/03/24
Analyzed: 07/03/24
Prep: EPA 3050B

Analysis: EPA 6010B
Analyst: SBW

QC1166772 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 511384 **Project#:** 20-10491

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

Type: BS **Batch#:** 344350 **Analysis:** EPA 6010B

Lab ID: QC1166773 **Prepared:** 07/03/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/03/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1166773 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	55.19	110	80-120	ug/ft2

Type: BSD **Batch#:** 344350 **Analysis:** EPA 6010B

Lab ID: QC1166774 **Prepared:** 07/03/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/03/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1166774 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.22	108	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 : 511385
Report Level : IV
Report Date : 07/03/2024

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 #:	511385
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/02/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB	511385-001	07/02/24 13:37	Wipe
DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	511385-002	07/02/24 13:45	Wipe
DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA	511385-003	07/02/24 13:45	Wipe
DOOR-S-15.4GE-PS-17-240702-L-G	511385-004	07/02/24 14:25	Wipe
DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA	511385-005	07/02/24 14:15	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 511385 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/02/24

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 07/03/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

511385

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		custom TAT:	X (Same-day)

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. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead by EPA Method 3050M/6010B								HOLD	Test Instructions / Comments
1	DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB	7/2/2024	1337	WP	1	--	X									**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report lead concentrations on a µg/ft2 basis Wipe samples collected from Zone 8 Enclosure A for Resampling (High Occupancy)
2	DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	7/2/2024	1345	WP	1	--	X									2x Rivet Type 1 = 0.0276 ft2
3	DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA	7/2/2024	1345	WP	1	--	X									2x Rivet Type 1 = 0.0276 ft2
4	DOOR-S-15.4GE-PS-17-240702-L-G	7/2/2024	1425	WP	1	--	X									2x Rivet Type 1 = 0.0276 ft2
5	DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA	7/2/2024	1415	WP	1	--	X									2x Rivet Type 1 = 0.0276 ft2
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	7/2/24 / 15:10
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/2/24 15:10
2 Relinquished By:	Audrey Hudson	"	"	7/2/24 16:50
2 Received By:			ENA	7/3/24 10:50
3 Relinquished By:			ENA	7/3/24 11:24
3 Received By:	Ocena Sylvestri	Ocena Sylvestri	E.A.	7/3/24 10:30

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: 7/1/24 Login # 511385 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 7/1/24 By (print) MM (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 7/1/24 **By (print)** MM **(sign)** _____

Date Labeled 7/1/24 **By (print)** MM **(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 - NCTRA WP

Date Received: 7/3/24 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: 4.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: JUL 03 2024

SOUTHWEST AIRLINES

Printed on:
02 JUL 20:30

526 OAK 1470 4266

PC#	DG	LOT WT
3 OF 7	G	350 LB (158.8 KG)

SNA

4.0/ice

STN	FLT	DATE	ETD	LOT 01
OAK	WN 941	03 JUL	06:20	

S

PC ID: 0003
PC WT: 50LB

526 14704266 0003

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 511385 **Project#:** 20-10491

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

Field ID: DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511385-001 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511385-001 Analyte	Result	RL	Units
Lead	**6.8**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511385-002 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511385-002 Analyte	Result	RL	Units
Lead	**11**	0.50	ug/ft2

Field ID: DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511385-003 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511385-003 Analyte	Result	RL	Units
Lead	**4.6**	0.50	ug/ft2

Field ID: DOOR-S-15.4GE-PS-17-240702-L-G **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511385-004 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511385-004 Analyte	Result	RL	Units
Lead	**4.2**	0.50	ug/ft2

Field ID: DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA **Batch#:** 344350 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/02/24 **Analysis:** EPA 6010B
Lab ID: 511385-005 **Received:** 07/02/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/03/24
Diln Fac: 1.000 **Analyzed:** 07/03/24

511385-005 Analyte	Result	RL	Units
Lead	**6.0**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 511385 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	344350	**Analysis:**	EPA 6010B
Lab ID:	QC1166772	**Prepared:**	07/03/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	07/03/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1166772 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 511385 **Project#:** 20-10491

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

Type: BS **Batch#:** 344350 **Analysis:** EPA 6010B

Lab ID: QC1166773 **Prepared:** 07/03/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/03/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1166773 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	55.19	110	80-120	ug/ft2

Type: BSD **Batch#:** 344350 **Analysis:** EPA 6010B

Lab ID: QC1166774 **Prepared:** 07/03/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/03/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1166774 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.22	108	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 511385 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
511385-001	MET06	07/03/24 14:33	1.0	✓
511385-002	MET06	07/03/24 14:37	1.0	✓
511385-003	MET06	07/03/24 14:40	1.0	✓
511385-004	MET06	07/03/24 14:43	1.0	✓
511385-005	MET06	07/03/24 14:47	1.0	✓
QC1166772	MET06	07/03/24 13:51	1.0	✓
QC1166773	MET06	07/03/24 13:54	1.0	✓
QC1166774	MET06	07/03/24 13:57	1.0	✓

Enthalpy Sequence Summary for Sequence 484267005

Instrument: MET06 Begun: 07/03/24 10:05
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			07/03/24 10:05	1.0	1	
002	met06_master011	ICAL	L1			07/03/24 10:09	1.0	2 1	
003	met06_master011	ICAL	L2			07/03/24 10:12	1.0	3 1	
004	met06_master011	ICAL	L3			07/03/24 10:15	1.0	4 1	
005	met06_master011	ICAL	L4			07/03/24 10:19	1.0	5 1	
006	met06_master011	ICAL	L5			07/03/24 10:22	1.0	6 1	
007	met06_master011	ICAL	L6			07/03/24 10:25	1.0	7 1	
008	met06_master011	ICAL	L7			07/03/24 10:29	1.0	8 1	
009	met06_master011	ICAL	L8			07/03/24 10:32	1.0	9 1	
010	met06_master011	ICV				07/03/24 10:36	1.0	10 1	
011	met06_master011	CRI				07/03/24 10:39	1.0	11 1	
012	met06_master011	ICB				07/03/24 10:42	1.0	1	
013	met06_master011	ICSA				07/03/24 10:46	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				07/03/24 10:49	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	ICSA	S21125			07/03/24 12:23	1.0	14	6:MGASMGCO3=1400
016	met06_master011	ICSAB	S21126			07/03/24 12:26	1.0	15	6:MGASMGCO3=1400
017	met06_master011	CCV				07/03/24 12:30	1.0	10 1	
018	met06_master011	CCB				07/03/24 12:33	1.0	1	
019	met06_master011	SAMPLE	511464-001	Filtrate	344314	07/03/24 12:41	1.0	1	1:MN=27
020	met06_master011	SAMPLE	511464-002	Filtrate	344314	07/03/24 12:44	1.0	1	2:AL=140
021	met06_master011	CCV				07/03/24 12:47	1.0	10 1	
022	met06_master011	CCB				07/03/24 12:51	1.0	1	
023	met06_master011	BLANK	QC1166772	Wipe	344350	07/03/24 13:51	1.0	1	
024	met06_master011	BS	QC1166773	Wipe	344350	07/03/24 13:54	1.0	1	
025	met06_master011	BSD	QC1166774	Wipe	344350	07/03/24 13:57	1.0	1	
026	met06_master011	SAMPLE	511383-001	Wipe	344350	07/03/24 14:00	1.0	1	1:FE=160
027	met06_master011	SAMPLE	511384-001	Wipe	344350	07/03/24 14:04	1.0	1	1:FE=72
028	met06_master011	SAMPLE	511384-002	Wipe	344350	07/03/24 14:07	1.0	1	1:FE=38
029	met06_master011	SAMPLE	511384-003	Wipe	344350	07/03/24 14:10	1.0	1	1:FE=65
030	met06_master011	SAMPLE	511384-004	Wipe	344350	07/03/24 14:14	1.0	1	1:FE=65
031	met06_master011	SAMPLE	511384-005	Wipe	344350	07/03/24 14:17	1.0	1	1:FE=57
032	met06_master011	SAMPLE	511384-006	Wipe	344350	07/03/24 14:20	1.0	1	1:FE=72
033	met06_master011	CCV				07/03/24 14:24	1.0	10 1	
034	met06_master011	CCB				07/03/24 14:27	1.0	1	
035	met06_master011	SAMPLE	511384-007	Wipe	344350	07/03/24 14:30	1.0	1	1:FE=72
036	met06_master011	SAMPLE	511385-001	Wipe	344350	07/03/24 14:33	1.0	1	1:FE=110
037	met06_master011	SAMPLE	511385-002	Wipe	344350	07/03/24 14:37	1.0	1	1:FE=95
038	met06_master011	SAMPLE	511385-003	Wipe	344350	07/03/24 14:40	1.0	1	1:FE=140
039	met06_master011	SAMPLE	511385-004	Wipe	344350	07/03/24 14:43	1.0	1	1:FE=80
040	met06_master011	SAMPLE	511385-005	Wipe	344350	07/03/24 14:47	1.0	1	1:FE=100
041	met06_master011	CCV				07/03/24 14:50	1.0	10 1	
042	met06_master011	CCB				07/03/24 14:53	1.0	1	

SBW 07/03/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 037.

Standards Used:
1=S16862 2=S20849 3=S20848 4=S20847 5=S20846 6=S20845 7=S20614 8=S20782 9=S20759 10=S21056 11=S20783 12=S20577 13=S21007 14=S21125 15=S21126

Enthalpy Internal Standard Summary for Sequence 484267005

Date:	07/03/24	Reference:	met06_master011
Sequence:	MET06 07/03/24	Analyzed:	07/03/24 10:05

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	27451800	1649040	20233300
		LOWER LIMIT	8235540	494712	6069990
		UPPER LIMIT	54903600	3298080	40466600
012	ICB		26536300	1633820	20369700
013	ICSA		23023000	1455060	17627900
014	ICSAB		23497700	1449840	17563300
015	ICSA	S21125	25628500	1538520	19247000
016	ICSAB	S21126	25880700	1546390	19044700
017	CCV		27024000	1656320	20734800
018	CCB		28772000	1731110	22175200
019	SAMPLE	511464-001	26890600	1604710	19854200
020	SAMPLE	511464-002	37048500	2325540	28617400
021	CCV		28537300	1733420	21619100
022	CCB		30255000	1828270	23103800
023	BLANK	QC1166772	31334900	1818950	24847200
024	BS	QC1166773	31050500	1813560	24060800
025	BSD	QC1166774	30724200	1834190	24017100
026	SAMPLE	511383-001	30499900	1822850	23729900
027	SAMPLE	511384-001	30895200	1824180	24104600
028	SAMPLE	511384-002	31636600	1875840	24537300
029	SAMPLE	511384-003	31276800	1867120	24473900
030	SAMPLE	511384-004	31815700	1868530	24575100
031	SAMPLE	511384-005	31635200	1894680	24391900
032	SAMPLE	511384-006	31867700	1896920	24594500
033	CCV		31198400	1886130	23519500
034	CCB		32388200	1955260	24861100
035	SAMPLE	511384-007	30908300	1885860	24335500
036	SAMPLE	511385-001	30854100	1892060	24165100
037	SAMPLE	511385-002	31408400	1904910	24271100
038	SAMPLE	511385-003	31382200	1880450	24354600
039	SAMPLE	511385-004	31733600	1917980	24274100
040	SAMPLE	511385-005	31028600	1872710	24312100
041	CCV		30737600	1885090	23249700
042	CCB		32336800	1958760	24790900

ENTHALPY INITIAL CALIBRATION FOR 511385 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	484267005001	Date:	03-JUL-2024 10:05
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484267005002	L1	03-JUL-2024 10:09	S20849, S16862 (100X)
L2	met06_master011	484267005003	L2	03-JUL-2024 10:12	S20848, S16862 (100X)
L3	met06_master011	484267005004	L3	03-JUL-2024 10:15	S20847, S16862 (100X)
L4	met06_master011	484267005005	L4	03-JUL-2024 10:19	S20846, S16862 (100X)
L5	met06_master011	484267005006	L5	03-JUL-2024 10:22	S20845, S16862 (100X)
L6	met06_master011	484267005007	L6	03-JUL-2024 10:25	S20614, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00253	31.8613		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	-0.001	0.0230	0.0329	0.0333	0.0314	0.0314

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-29	0.0100	-1	0.1000	7	1.0000	6	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511385 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	484267005001	Cal Date:	03-JUL-2024

- ICV 484267005010 (03-JUL-2024) stds: S21056, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.072	mg/l	7	10	

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005012	File:	met06_master011	Time:	03-JUL-2024 10:42
Cal:	484267005001	Caldate:	03-JUL-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	27451800	26536300	-3.33
Yttrium	A	1649040	1633820	-0.92
Yttrium	R	20233300	20369700	0.67

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06	Run Name:	S21125	IDF:	1.0
Seqnum:	484267005015	File:	met06_master011	Time:	03-JUL-2024 12:23
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.001621]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.6	mg/l	91	
Aluminum	R	400.0	364.8	mg/l	91	
Calcium	R	400.0	254.8	mg/l	64	
Magnesium	R	400.0	389.2	mg/l	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25628500	-6.64
Yttrium	A	1649040	1538520	-6.70
Yttrium	R	20233300	19247000	-4.87

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06	Run Name:	S21126	IDF:	1.0
Seqnum:	484267005016	File:	met06_master011	Time:	03-JUL-2024 12:26
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.060	mg/l	6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25880700	-5.72
Yttrium	A	1649040	1546390	-6.22
Yttrium	R	20233300	19044700	-5.87

ENTHALPY CONTINUING CALIBRATION FOR 511385 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005021	File:	met06_master011	Time:	03-JUL-2024 12:47
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21056, 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	1.081	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	28537300	3.95
Yttrium	A	1649040	1733420	5.12
Yttrium	R	20233300	21619100	6.85

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005022	File:	met06_master011	Time:	03-JUL-2024 12:51
Cal:	484267005001	Caldate:	03-JUL-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	27451800	30255000	10.21
Yttrium	A	1649040	1828270	10.87
Yttrium	R	20233300	23103800	14.19

ENTHALPY CONTINUING CALIBRATION FOR 511385 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005033	File:	met06_master011	Time:	03-JUL-2024 14:24
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21056, 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	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	31198400	13.65
Yttrium	A	1649040	1886130	14.38
Yttrium	R	20233300	23519500	16.24

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005034	File:	met06_master011	Time:	03-JUL-2024 14:27
Cal:	484267005001	Caldate:	03-JUL-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	27451800	32388200	17.98
Yttrium	A	1649040	1955260	18.57
Yttrium	R	20233300	24861100	22.87

ENTHALPY CONTINUING CALIBRATION FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005041	File:	met06_master011	Time:	03-JUL-2024 14:50
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0345	1.000	1.102	mg/l	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	30737600	11.97
Yttrium	A	1649040	1885090	14.31
Yttrium	R	20233300	23249700	14.91

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005042	File:	met06_master011	Time:	03-JUL-2024 14:53
Cal:	484267005001	Caldate:	03-JUL-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	27451800	32336800	17.79
Yttrium	A	1649040	1958760	18.78
Yttrium	R	20233300	24790900	22.53

SAMPLE PREPARATION SUMMARY

Batch #:	344350	Prep Date:	03-JUL-2024 11:33	Started By:	TWJ
Analysis:	ICP	Method:	3050B	Finished By:	TWJ

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1166772 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1166773 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1166774 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
511383-001	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-001	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-002	Wipe	1 ft2	50 mL	50.0				6010
511384-003	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-004	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-005	Wipe	1.1104 ft2	50 mL	45.03				6010
511384-006	Wipe	1 ft2	50 mL	50.0				6010
511384-007	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-001	Wipe	1 ft2	50 mL	50.0				6010
511385-002	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-003	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-004	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-005	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: SBW 07/03/24

Reviewer: KLN 07/03/24

Initials: TWJ IM Prep Method: (3050B) / 3051 / Other: _____ QC Batch #: 344350 Therm ID/Corr Factor: 763746 / -0.5

Prep Start, Date/Time: 7/3/24 11:33 Prep End, Date/Time: 7/3/24 13:25 HotBlock Temp (Obs/Cor), °C: 95 / 94.5

HotBlock ID: 15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight ~~(g)~~ ft²	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	1		50	W23120108-4128-IM	
LCS	-----	-----	-----	1				
LCSD	—	—	~~wipe~~ TWJ 7/3/24	1				
511384-1	A		wipe	1.0276				
-2	A			~~1.02~~ 1.0276 TWJ 7/3/24				
-3	A			1.0276 TWJ 7/3/24				
-4	A			1.0276				
-5	A			~~1.0276~~ TWJ 7/3/24				
-6	A			1.00				
-7	A			1.0276				
511385-1	A			1.00				
-2	A			1.0276				
-3	A			1.0276				
-4	A			1.0276				
-5	A			1.0276				
511383-1	A		wipe	1.0276		50		
			Smp 7/3/24					

Hydrochloric Acid ID: 10mL 24009610

Nitric Acid ID: 10 mL 20231120394

H_2O_2 ID: 3mL 3033053

LCS Spike ID: 0.5mL (s20344, s20345)

MS/MSD Spike ID: _____

Gold Std ID: —

ICP Raw Data

Enthalpy Sequence Summary for Sequence 484267005

Instrument: MET06 Begun: 07/03/24 10:05
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			07/03/24 10:05	1.0	1	
002	met06_master011	ICAL	L1			07/03/24 10:09	1.0	2 1	
003	met06_master011	ICAL	L2			07/03/24 10:12	1.0	3 1	
004	met06_master011	ICAL	L3			07/03/24 10:15	1.0	4 1	
005	met06_master011	ICAL	L4			07/03/24 10:19	1.0	5 1	
006	met06_master011	ICAL	L5			07/03/24 10:22	1.0	6 1	
007	met06_master011	ICAL	L6			07/03/24 10:25	1.0	7 1	
008	met06_master011	ICAL	L7			07/03/24 10:29	1.0	8 1	
009	met06_master011	ICAL	L8			07/03/24 10:32	1.0	9 1	
010	met06_master011	ICV				07/03/24 10:36	1.0	10 1	
011	met06_master011	CRI				07/03/24 10:39	1.0	11 1	
012	met06_master011	ICB				07/03/24 10:42	1.0	1	
013	met06_master011	ICSA				07/03/24 10:46	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				07/03/24 10:49	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	ICSA	S21125			07/03/24 12:23	1.0	14	6:MGASMGCO3=1400
016	met06_master011	ICSAB	S21126			07/03/24 12:26	1.0	15	6:MGASMGCO3=1400
017	met06_master011	CCV				07/03/24 12:30	1.0	10 1	
018	met06_master011	CCB				07/03/24 12:33	1.0	1	
019	met06_master011	SAMPLE	511464-001	Filtrate	344314	07/03/24 12:41	1.0	1	1:MN=27
020	met06_master011	SAMPLE	511464-002	Filtrate	344314	07/03/24 12:44	1.0	1	2:AL=140
021	met06_master011	CCV				07/03/24 12:47	1.0	10 1	
022	met06_master011	CCB				07/03/24 12:51	1.0	1	
023	met06_master011	BLANK	QC1166772	Wipe	344350	07/03/24 13:51	1.0	1	
024	met06_master011	BS	QC1166773	Wipe	344350	07/03/24 13:54	1.0	1	
025	met06_master011	BSD	QC1166774	Wipe	344350	07/03/24 13:57	1.0	1	
026	met06_master011	SAMPLE	511383-001	Wipe	344350	07/03/24 14:00	1.0	1	1:FE=160
027	met06_master011	SAMPLE	511384-001	Wipe	344350	07/03/24 14:04	1.0	1	1:FE=72
028	met06_master011	SAMPLE	511384-002	Wipe	344350	07/03/24 14:07	1.0	1	1:FE=38
029	met06_master011	SAMPLE	511384-003	Wipe	344350	07/03/24 14:10	1.0	1	1:FE=65
030	met06_master011	SAMPLE	511384-004	Wipe	344350	07/03/24 14:14	1.0	1	1:FE=65
031	met06_master011	SAMPLE	511384-005	Wipe	344350	07/03/24 14:17	1.0	1	1:FE=57
032	met06_master011	SAMPLE	511384-006	Wipe	344350	07/03/24 14:20	1.0	1	1:FE=72
033	met06_master011	CCV				07/03/24 14:24	1.0	10 1	
034	met06_master011	CCB				07/03/24 14:27	1.0	1	
035	met06_master011	SAMPLE	511384-007	Wipe	344350	07/03/24 14:30	1.0	1	1:FE=72
036	met06_master011	SAMPLE	511385-001	Wipe	344350	07/03/24 14:33	1.0	1	1:FE=110
037	met06_master011	SAMPLE	511385-002	Wipe	344350	07/03/24 14:37	1.0	1	1:FE=95
038	met06_master011	SAMPLE	511385-003	Wipe	344350	07/03/24 14:40	1.0	1	1:FE=140
039	met06_master011	SAMPLE	511385-004	Wipe	344350	07/03/24 14:43	1.0	1	1:FE=80
040	met06_master011	SAMPLE	511385-005	Wipe	344350	07/03/24 14:47	1.0	1	1:FE=100
041	met06_master011	CCV				07/03/24 14:50	1.0	10 1	
042	met06_master011	CCB				07/03/24 14:53	1.0	1	

SBW 07/03/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 037.

Standards Used:
1=S16862 2=S20849 3=S20848 4=S20847 5=S20846 6=S20845 7=S20614 8=S20782 9=S20759 10=S21056 11=S20783 12=S20577 13=S21007 14=S21125 15=S21126

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	511385-001	Client ID:	DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB
Seqnum:	484267005036	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	344350	Time:	03-JUL-2024 14:33
Cal:	484267005001	Caldate:	03-JUL-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	0.1350	6.8	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1649040	1892060	14.74

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 511385-001,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 14:33:54	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	62342.10000	731842	7084.370000	15333.70000	16815.20000	7050060	15139.00000
Int RSD	*0.5645639*	*0.7266582*	*0.3053384*	*0.5586179*	*0.5581444*	*1.2063160*	*0.7123258*
Int SD	*351.9610000*	*5317.990000*	*21.6313000*	*85.6568000*	*93.8531000*	*85046.00000*	*107.8390000*
RelInt Mean	0.0000025	0.0276827	0.0001275	0.0021344	0.0032454	0.2911080	0.0027721
RelInt RSD	*141.7891387*	*0.2515997*	*3.0117905*	*2.2909014*	*0.4969711*	*0.7639845*	*1.4309286*
RelInt SD	*0.0000035*	*0.0000696*	*0.0000038*	*0.0000489*	*0.0000161*	*0.0022240*	*0.0000397*
Conc Mean	<-0.0011282[mg/l]	1.8581800[mg/l]	0.0107797[mg/l]	0.0099695[mg/l]	0.0082988[mg/l]	10.4657000[mg/l]	0.0139442[mg/l]
Conc RSD	*11.0127368*	*0.2518922*	*1.7939739*	*5.4080817*	*0.5207872*	*0.7706689*	*1.4071155*
Conc SD	*0.0001242[mg/l]*	*0.0046806[mg/l]*	*0.0001934[mg/l]*	*0.0005392[mg/l]*	*0.0000432[mg/l]*	*0.0806559[mg/l]*	*0.0001962[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	32041.70000	479785	61407700	176287	283575	1617200	7704.690000
Int RSD	*1.3355065*	*2.0043749*	*0.7995919*	*1.0419997*	*0.8077299*	*0.4856035*	*0.0906883*
Int SD	*427.9190000*	*9616.690000*	*491011*	*1836.910000*	*2290.520000*	*7853.180000*	*6.9872500*
RelInt Mean	0.0113376	0.0137284	32.6799000	0.0069772	0.0098060	0.8531520	0.0001059
RelInt RSD	*1.5659222*	*1.1510591*	*1.1372709*	*0.6576588*	*0.6659586*	*1.0238820*	*32.5553782*
RelInt SD	*0.0001775*	*0.0001580*	*0.3716590*	*0.0000459*	*0.0000653*	*0.0087353*	*0.0000345*
Conc Mean	0.0684748[mg/l]	0.4318240[mg/l]	>109.8960000[mg/l]	1.6092100[mg/l]	2.8024200[mg/l]	0.5398930[mg/l]	<0.0005242[mg/l]
Conc RSD	*1.5667954*	*1.1607206*	*1.1372297*	*0.6603862*	*0.7117420*	*1.0243345*	*48.0364347*
Conc SD	*0.0010729[mg/l]*	*0.0050123[mg/l]*	*1.2497700[mg/l]*	*0.0106270[mg/l]*	*0.0199460[mg/l]*	*0.0055303[mg/l]*	*0.0002518[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	2381750	42646.30000	18496.10000	8303.510000	7050.010000	15883.10000	516693
Int RSD	*0.4251622*	*0.5692217*	*0.8623926*	*0.9675258*	*0.6059296*	*0.7899906*	*1.2785910*
Int SD	*10126.30000*	*242.7520000*	*159.5090000*	*80.3386000*	*42.7181000*	*125.4750000*	*6606.390000*
RelInt Mean	0.0971690	0.0168840	0.0043509	0.0004365	0.0001970	0.0040750	0.0199090
RelInt RSD	*0.1243308*	*0.4243663*	*2.6364213*	*9.2199955*	*14.8329213*	*0.5618261*	*0.8509870*
RelInt SD	*0.0001208*	*0.0000717*	*0.0001147*	*0.0000402*	*0.0000292*	*0.0000229*	*0.0001694*
Conc Mean	3.3875400[mg/l]	0.1283810[mg/l]	0.1350170[mg/l]	0.0210422[mg/l]	0.0128897[mg/l]	0.0748280[mg/l]	0.0194166[mg/l]
Conc RSD	*0.1244168*	*0.4268544*	*2.6752261*	*8.6812215*	*14.7052298*	*0.5707382*	*0.8667171*
Conc SD	*0.0042147[mg/l]*	*0.0005480[mg/l]*	*0.0036120[mg/l]*	*0.0018267[mg/l]*	*0.0018955[mg/l]*	*0.0004271[mg/l]*	*0.0001683[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	632825	6333.330000	19498.10000	1892060	30854100	24165100	2114630
Int RSD	*6.4054833*	*0.4473460*	*1.0148784*	*0.8909178*	*3.2270460*	*0.4758846*	*1.0466559*
Int SD	*40535.50000*	*28.3319000*	*197.8820000*	*16856.70000*	*995676*	*114998*	*22132.90000*
RelInt Mean	0.0183902	-0.0004363	0.0001158	---	---	---	1.1218300
RelInt RSD	*4.9510772*	*0.5311574*	*6.0077867*	---	---	---	*0.5183513*
RelInt SD	*0.0009105*	*0.0000023*	*0.0000070*	---	---	---	*0.0058150*
Conc Mean	0.1596330[mg/l]	<-0.0264311[mg/l]	0.0043947[mg/l]	1878590	30759000	24106600	3.7404400[mg/l]
Conc RSD	*4.9503674*	*0.4719894*	*25.0091019*	---	---	---	*0.5185433*
Conc SD	*0.0079024[mg/l]*	*0.0001248[mg/l]*	*0.0010991[mg/l]*	*16863.90000*	*995001*	*115138*	*0.0193958[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25773.10000	37157.10000	639405	67592.40000	10458.10000	97383.60000	
Int RSD	*1.7345294*	*0.4275307*	*1.5698345*	*0.4856729*	*0.7298247*	*0.9606720*	
Int SD	*447.0420000*	*158.8580000*	*10037.60000*	*328.2780000*	*76.3258000*	*935.5370000*	
RelInt Mean	-0.0006953	0.0005201	0.3336310	0.0319750	-0.0002314	0.0478521	
RelInt RSD	*0.4675149*	*0.5800623*	*1.8244588*	*0.6593839*	*24.9087641*	*0.4113884*	
RelInt SD	*0.0000033*	*0.0000030*	*0.0060870*	*0.0002108*	*0.0000576*	*0.0001969*	
Conc Mean	0.0001934[mg/l]	0.0011788[mg/l]	4.9413400[mg/l]	0.8489130[mg/l]	<-0.0009608[mg/l]	3.8950800[mg/l]	
Conc RSD	*4.1313187*	*0.6077386*	*1.8291658*	*0.6639161*	*19.6617501*	*0.4098735*	
Conc SD	*0.0000080[mg/l]*	*0.0000072[mg/l]*	*0.0903853[mg/l]*	*0.0056361[mg/l]*	*0.0001889[mg/l]*	*0.0159649[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	511385-002	Client ID:	DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA
Seqnum:	484267005037	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	344350	Time:	03-JUL-2024 14:37
Cal:	484267005001	Caldate:	03-JUL-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	0.2200	11	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1649040	1904910	15.52

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 511385-002,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 14:37:13	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	62803.20000	950763	6973.580000	15046.50000	18078.00000	8680960	15011.00000
Int RSD	*0.5237695*	*0.9004799*	*0.7720869*	*0.3588283*	*0.7982631*	*0.4946481*	*0.8312771*
Int SD	*328.9440000*	*8561.430000*	*53.8421000*	*53.9911000*	*144.3100000*	*42940.20000*	*124.7830000*
RelInt Mean	0.0000145	0.0361854	0.0000492	0.0020677	0.0039056	0.3571960	0.0026729
RelInt RSD	*33.0349667*	*0.7453006*	*82.1862036*	*1.0449094*	*2.0651422*	*1.2163910*	*4.1724032*
RelInt SD	*0.0000048*	*0.0002697*	*0.0000405*	*0.0000216*	*0.0000807*	*0.0043449*	*0.0001115*
Conc Mean	<-0.0006992[mg/l]	2.4295000[mg/l]	0.0068690[mg/l]	0.0092342[mg/l]	0.0100573[mg/l]	12.8631000[mg/l]	0.0133099[mg/l]
Conc RSD	*24.4118859*	*0.7458778*	*29.5568331*	*2.5801907*	*2.1358516*	*1.2253112*	*4.3222188*
Conc SD	*0.0001707[mg/l]*	*0.0181211[mg/l]*	*0.0020302[mg/l]*	*0.0002383[mg/l]*	*0.0002148[mg/l]*	*0.1576130[mg/l]*	*0.0005753[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	27497.40000	344912	53310700	150828	329644	1588660	7613.340000
Int RSD	*0.7048266*	*1.9808647*	*0.2056904*	*0.8731602*	*0.8288093*	*1.1772059*	*0.7332275*
Int SD	*193.8090000*	*6832.240000*	*109655*	*1316.970000*	*2732.120000*	*18701.80000*	*55.8231000*
RelInt Mean	0.0089236	0.0091840	28.1756000	0.0058931	0.0116568	0.8323350	0.0000630
RelInt RSD	*0.6494972*	*1.8313291*	*0.7961854*	*0.6715486*	*2.3731556*	*0.7199709*	*86.2952579*
RelInt SD	*0.0000580*	*0.0001682*	*0.2243300*	*0.0000396*	*0.0002766*	*0.0059926*	*0.0000544*
Conc Mean	0.0538858[mg/l]	0.2877090[mg/l]	94.7485000[mg/l]	1.3580600[mg/l]	3.3676700[mg/l]	0.5267140[mg/l]	<0.0002112[mg/l]
Conc RSD	*0.6499616*	*1.8538315*	*0.7962057*	*0.6751727*	*2.5085682*	*0.7204004*	*188.1413306*
Conc SD	*0.0003502[mg/l]*	*0.0053336[mg/l]*	*0.7543930[mg/l]*	*0.0091693[mg/l]*	*0.0844803[mg/l]*	*0.0037945[mg/l]*	*0.0003974[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	2782000	32656.80000	23601.00000	8048.830000	7007.380000	12771.10000	634440
Int RSD	*0.9958231*	*0.4241781*	*0.4359942*	*0.2520391*	*0.4331605*	*1.1598140*	*0.3977839*
Int SD	*27703.80000*	*138.5230000*	*102.8990000*	*20.2862000*	*30.3532000*	*148.1210000*	*2523.700000*
RelInt Mean	0.1131770	0.0115281	0.0069986	0.0002803	0.0001868	0.0024120	0.0246675
RelInt RSD	*0.7321116*	*1.2475343*	*0.5809142*	*8.7127621*	*17.3117554*	*4.1485974*	*1.2009892*
RelInt SD	*0.0008286*	*0.0001438*	*0.0000407*	*0.0000244*	*0.0000323*	*0.0001001*	*0.0002963*
Conc Mean	3.9456200[mg/l]	0.0874264[mg/l]	0.2199970[mg/l]	0.0140433[mg/l]	0.0122256[mg/l]	0.0438035[mg/l]	0.0241429[mg/l]
Conc RSD	*0.7323133*	*1.2578580*	*0.5976218*	*7.8858246*	*17.1547409*	*4.2618741*	*1.2188594*
Conc SD	*0.0288943[mg/l]*	*0.0010997[mg/l]*	*0.0013147[mg/l]*	*0.0011074[mg/l]*	*0.0020973[mg/l]*	*0.0018669[mg/l]*	*0.0002943[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	907298	6345.210000	20109.70000	1904910	31408400	24271100	2471590
Int RSD	*2.8232290*	*0.6573005*	*0.5460499*	*0.8143744*	*0.7994963*	*1.5440174*	*0.5448962*
Int SD	*25615.10000*	*41.7071000*	*109.8090000*	*15513.10000*	*251109*	*374750*	*13467.60000*
RelInt Mean	0.0267988	-0.0004171	0.0001319	---	---	---	1.3028600
RelInt RSD	*2.8599266*	*7.2926171*	*2.3023402*	---	---	---	*0.3720937*
RelInt SD	*0.0007664*	*0.0000304*	*0.0000030*	---	---	---	*0.0048479*
Conc Mean	0.2326140[mg/l]	<-0.0254354[mg/l]	0.0069259[mg/l]	1891540	31312100	24212000	4.3443600[mg/l]
Conc RSD	*2.8597075*	*7.3028142*	*6.9245019*	---	---	---	*0.3721031*
Conc SD	*0.0066521[mg/l]*	*0.0018575[mg/l]*	*0.0004796[mg/l]*	*15576.60000*	*251581*	*374990*	*0.0161655[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26482.50000	45455.40000	813630	69433.50000	10339.80000	99305.50000	
Int RSD	*1.3877542*	*0.8388156*	*1.4972776*	*0.5082230*	*0.4116337*	*0.4912860*	
Int SD	*367.5120000*	*381.2870000*	*12182.30000*	*352.8770000*	*42.5621000*	*487.8740000*	
RelInt Mean	-0.0006940	0.0008416	0.4233260	0.0327204	-0.0002249	0.0485277	
RelInt RSD	*4.9078247*	*1.2443989*	*1.4917463*	*0.2533163*	*16.3747077*	*1.0201287*	
RelInt SD	*0.0000341*	*0.0000105*	*0.0063150*	*0.0000829*	*0.0000368*	*0.0004950*	
Conc Mean	<0.0001965[mg/l]	0.0019424[mg/l]	6.2731200[mg/l]	0.8688420[mg/l]	<-0.0009251[mg/l]	3.9498700[mg/l]	
Conc RSD	*42.6172434*	*1.2806242*	*1.4945785*	*0.2550556*	*12.8169652*	*1.0164714*	
Conc SD	*0.0000837[mg/l]*	*0.0000249[mg/l]*	*0.0937567[mg/l]*	*0.0022160[mg/l]*	*0.0001186[mg/l]*	*0.0401493[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	511385-003	Client ID:	DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA
Seqnum:	484267005038	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	344350	Time:	03-JUL-2024 14:40
Cal:	484267005001	Caldate:	03-JUL-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	0.09452	4.6	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1649040	1880450	14.03

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 511385-003,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 14:40:30	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	63257.60000	1112690	6973.940000	15967.80000	25186.30000	8399550	17301.30000
Int RSD	*1.6806676*	*1.3007576*	*0.5632627*	*1.1140357*	*0.8216332*	*0.2236834*	*0.9447729*
Int SD	*1063.150000*	*14473.40000*	*39.2816000*	*177.8870000*	*206.9390000*	*18788.40000*	*163.4580000*
RelInt Mean	-0.0000027	0.0427034	0.0002566	0.0021980	0.0076034	0.3443300	0.0038321
RelInt RSD	*288.6286821*	*0.9314996*	*5.0908744*	*3.3428237*	*1.0556688*	*0.4742514*	*1.8571175*
RelInt SD	*0.0000078*	*0.0003978*	*0.0000131*	*0.0000735*	*0.0000803*	*0.0016330*	*0.0000712*
Conc Mean	<-0.0013124[mg/l]	2.8674600[mg/l]	0.0172608[mg/l]	0.0106708[mg/l]	0.0198967[mg/l]	12.3963000[mg/l]	0.0191894[mg/l]
Conc RSD	*21.2400567*	*0.9321769*	*3.7966433*	*7.5929921*	*1.0675338*	*0.4778466*	*2.0357906*
Conc SD	*0.0002788[mg/l]*	*0.0267298[mg/l]*	*0.0006553[mg/l]*	*0.0008102[mg/l]*	*0.0002124[mg/l]*	*0.0592353[mg/l]*	*0.0003907[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	31051.20000	561456	76347300	134928	358441	2023210	8023.540000
Int RSD	*0.0860685*	*1.6168569*	*0.4483669*	*0.9652259*	*1.4955683*	*0.9056648*	*0.4865820*
Int SD	*26.7253000*	*9077.940000*	*342316*	*1302.360000*	*5360.730000*	*18323.50000*	*39.0411000*
RelInt Mean	0.0105957	0.0160654	40.8902000	0.0052195	0.0127432	1.0756400	0.0002011
RelInt RSD	*0.3907897*	*1.2381142*	*0.5598823*	*0.6448498*	*1.6355154*	*1.0033004*	*23.1831517*
RelInt SD	*0.0000414*	*0.0001989*	*0.2289370*	*0.0000337*	*0.0002084*	*0.0107919*	*0.0000466*
Conc Mean	0.0639910[mg/l]	0.5059350[mg/l]	>137.5070000[mg/l]	1.2020100[mg/l]	3.6994500[mg/l]	0.6807540[mg/l]	0.0012202[mg/l]
Conc RSD	*0.3908362*	*1.2468321*	*0.5599606*	*0.6488590*	*1.7206828*	*1.0039118*	*27.9196512*
Conc SD	*0.0002501[mg/l]*	*0.0063082[mg/l]*	*0.7699850[mg/l]*	*0.0077993[mg/l]*	*0.0636558[mg/l]*	*0.0068342[mg/l]*	*0.0003407[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	1715400	61934.60000	16365.50000	8389.850000	6519.710000	14875.60000	583078
Int RSD	*0.8801446*	*0.2676888*	*0.3933458*	*0.4294713*	*0.6493540*	*1.0705383*	*0.3090821*
Int SD	*15098.00000*	*165.7920000*	*64.3730000*	*36.0320000*	*42.3360000*	*159.2490000*	*1802.190000*
RelInt Mean	0.0690826	0.0272198	0.0031325	0.0004319	-0.0000520	0.0039955	0.0224110
RelInt RSD	*0.4867072*	*0.4612635*	*1.7487207*	*3.1558242*	*47.8186603*	*2.4392942*	*0.0975668*
RelInt SD	*0.0003362*	*0.0001256*	*0.0000548*	*0.0000136*	*0.0000249*	*0.0000975*	*0.0000219*
Conc Mean	2.4083900[mg/l]	0.2074140[mg/l]	0.0945160[mg/l]	0.0208602[mg/l]	<-0.0032609[mg/l]	0.0733453[mg/l]	0.0219017[mg/l]
Conc RSD	*0.4867152*	*0.4627966*	*1.8494752*	*2.9574405*	*49.4478603*	*2.4789727*	*0.0991384*
Conc SD	*0.0117220[mg/l]*	*0.0009599[mg/l]*	*0.0017481[mg/l]*	*0.0006169[mg/l]*	*0.0016125[mg/l]*	*0.0018182[mg/l]*	*0.0000217[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	1047910	6114.270000	20687.20000	1880450	31382200	24354600	2202430
Int RSD	*4.3285492*	*0.3525981*	*1.6380757*	*0.1531134*	*1.0628063*	*0.4986532*	*0.2280844*
Int SD	*45359.30000*	*21.5588000*	*338.8720000*	*2879.220000*	*333532*	*121445*	*5023.400000*
RelInt Mean	0.0313153	-0.0003693	0.0001347	---	---	---	1.1760300
RelInt RSD	*5.6062053*	*7.6027683*	*1.2579051*	---	---	---	*0.3557860*
RelInt SD	*0.0017556*	*0.0000281*	*0.0000017*	---	---	---	*0.0041842*
Conc Mean	0.2718140[mg/l]	<-0.0225972[mg/l]	0.0073764[mg/l]	1866650	31284400	24294300	3.9212600[mg/l]
Conc RSD	*5.6057083*	*7.4759705*	*3.6259163*	---	---	---	*0.3561636*
Conc SD	*0.0152371[mg/l]*	*0.0016894[mg/l]*	*0.0002675[mg/l]*	*2908.170000*	*333553*	*121738*	*0.0139661[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26678.60000	43271.60000	874142	59692.00000	10629.70000	63893.10000	
Int RSD	*1.9403754*	*2.0235836*	*1.8793057*	*0.4098690*	*1.7927317*	*0.4605959*	
Int SD	*517.6650000*	*875.6370000*	*16427.80000*	*244.6590000*	*190.5620000*	*294.2890000*	
RelInt Mean	-0.0006914	0.0007440	0.4608020	0.0282565	-0.0004027	0.0303650	
RelInt RSD	*2.5589827*	*1.8534304*	*1.7591721*	*0.4269071*	*27.9345842*	*0.4149185*	
RelInt SD	*0.0000177*	*0.0000138*	*0.0081063*	*0.0001206*	*0.0001125*	*0.0001260*	
Conc Mean	0.0002028[mg/l]	0.0017106[mg/l]	6.8295300[mg/l]	0.7495010[mg/l]	<-0.0015457[mg/l]	2.4769000[mg/l]	
Conc RSD	*21.4474339*	*1.9145174*	*1.7623614*	*0.4301902*	*23.7083355*	*0.4124268*	
Conc SD	*0.0000435[mg/l]*	*0.0000328[mg/l]*	*0.1203610[mg/l]*	*0.0032243[mg/l]*	*0.0003665[mg/l]*	*0.0102154[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	511385-004	Client ID:	DOOR-S-15.4GE-PS-17-240702-L-G
Seqnum:	484267005039	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	344350	Time:	03-JUL-2024 14:43
Cal:	484267005001	Caldate:	03-JUL-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	0.08547	4.2	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1649040	1917980	16.31

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 511385-004,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 14:43:48	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	63930.00000	811418	6194.880000	14666.60000	16618.30000	7613360	15167.80000
Int RSD	*0.6273878*	*0.8613440*	*0.4532162*	*0.4021300*	*0.4721512*	*0.4366902*	*0.6635966*
Int SD	*401.0890000*	*6989.100000*	*28.0762000*	*58.9788000*	*78.4635000*	*33246.80000*	*100.6530000*
RelInt Mean	0.0000199	0.0305896	0.0000281	0.0019008	0.0031265	0.3130680	0.0027281
RelInt RSD	*70.3461395*	*1.1026820*	*21.2114981*	*1.8729883*	*1.2310357*	*1.2525170*	*2.1382988*
RelInt SD	*0.0000140*	*0.0003373*	*0.0000060*	*0.0000356*	*0.0000385*	*0.0039212*	*0.0000583*
Conc Mean	<-0.0005054[mg/l]	2.0535100[mg/l]	0.0058238[mg/l]	0.0073934[mg/l]	0.0079824[mg/l]	11.2623000[mg/l]	0.0136529[mg/l]
Conc RSD	*98.8854549*	*1.1036810*	*5.1222477*	*5.3098862*	*1.2918485*	*1.2630457*	*2.2187740*
Conc SD	*0.0004998[mg/l]*	*0.0226642[mg/l]*	*0.0002983[mg/l]*	*0.0003926[mg/l]*	*0.0001031[mg/l]*	*0.1422480[mg/l]*	*0.0003029[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	21369.00000	172683	45521900	116683	318671	1554600	7316.980000
Int RSD	*0.7718751*	*1.5129341*	*0.4538255*	*0.3010250*	*0.8643836*	*1.3413161*	*0.5064111*
Int SD	*164.9420000*	*2612.580000*	*206590*	*351.2450000*	*2754.540000*	*20852.10000*	*37.0540000*
RelInt Mean	0.0056585	0.0036436	23.8919000	0.0044745	0.0111811	0.8088140	0.0001038
RelInt RSD	*1.7351574*	*0.8670055*	*0.3407632*	*1.2919011*	*1.2093175*	*1.1525073*	*24.5257205*
RelInt SD	*0.0000982*	*0.0000316*	*0.0814148*	*0.0000578*	*0.0001352*	*0.0093216*	*0.0000255*
Conc Mean	0.0341536[mg/l]	0.1120070[mg/l]	80.3425000[mg/l]	1.0294100[mg/l]	3.2223700[mg/l]	0.5118220[mg/l]	<0.0005091[mg/l]
Conc RSD	*1.7373952*	*0.8944084*	*0.3407549*	*1.3006674*	*1.2816747*	*1.1530513*	*36.5359116*
Conc SD	*0.0005934[mg/l]*	*0.0010018[mg/l]*	*0.2737710[mg/l]*	*0.0133892[mg/l]*	*0.0413003[mg/l]*	*0.0059016[mg/l]*	*0.0001860[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	1397470	20248.50000	15667.20000	8133.090000	6456.810000	10694.50000	520828
Int RSD	*0.5155782*	*0.3638319*	*0.6065359*	*0.5659620*	*0.2949971*	*0.3303838*	*0.7466054*
Int SD	*7205.050000*	*73.6705000*	*95.0272000*	*46.0302000*	*19.0474000*	*35.3329000*	*3888.530000*
RelInt Mean	0.0562250	0.0049295	0.0027498	0.0004145	0.0001286	0.0019647	0.0199430
RelInt RSD	*1.0648662*	*1.0278083*	*2.1913973*	*4.2530691*	*17.1054903*	*0.4006215*	*0.3156857*
RelInt SD	*0.0005987*	*0.0000507*	*0.0000603*	*0.0000176*	*0.0000220*	*0.0000079*	*0.0000630*
Conc Mean	1.9601400[mg/l]	0.0369693[mg/l]	0.0854687[mg/l]	0.0202456[mg/l]	0.0084533[mg/l]	0.0354574[mg/l]	0.0194503[mg/l]
Conc RSD	*1.0647913*	*1.0478694*	*2.2377666*	*3.9398931*	*16.8804099*	*0.4141702*	*0.3215524*
Conc SD	*0.0208714[mg/l]*	*0.0003874[mg/l]*	*0.0019126[mg/l]*	*0.0007977[mg/l]*	*0.0014270[mg/l]*	*0.0001469[mg/l]*	*0.0000625[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	790367	5860.720000	20936.30000	1917980	31733600	24274100	2248140
Int RSD	*5.1537071*	*0.2569821*	*0.8122782*	*0.2793507*	*1.0989708*	*1.0153579*	*0.8063377*
Int SD	*40733.20000*	*15.0610000*	*170.0610000*	*5357.890000*	*348743*	*246469*	*18127.60000*
RelInt Mean	0.0227936	-0.0002881	0.0001541	---	---	---	1.1766400
RelInt RSD	*4.9618314*	*3.7603618*	*1.2445167*	---	---	---	*0.5448429*
RelInt SD	*0.0011310*	*0.0000108*	*0.0000019*	---	---	---	*0.0064108*
Conc Mean	0.1978510[mg/l]	<-0.0174099[mg/l]	0.0104440[mg/l]	1904620	31636500	24214500	3.9233100[mg/l]
Conc RSD	*4.9614053*	*3.6861786*	*2.8997128*	---	---	---	*0.5454884*
Conc SD	*0.0098162[mg/l]*	*0.0006418[mg/l]*	*0.0003028[mg/l]*	*5401.780000*	*348508*	*246675*	*0.0214012[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	27450.60000	41493.60000	660827	52598.00000	10307.10000	60455.60000	
Int RSD	*0.3197824*	*0.7054172*	*0.3652862*	*0.8679398*	*0.2042417*	*0.2212864*	
Int SD	*87.7822000*	*292.7030000*	*2413.910000*	*456.5190000*	*21.0514000*	*133.7800000*	
RelInt Mean	-0.0006630	0.0006433	0.3403990	0.0241490	-0.0001741	0.0280889	
RelInt RSD	*2.7144514*	*1.4102930*	*0.0873560*	*0.7905048*	*4.1999564*	*0.0719170*	
RelInt SD	*0.0000180*	*0.0000091*	*0.0002974*	*0.0001909*	*0.0000073*	*0.0000202*	
Conc Mean	0.0002728[mg/l]	0.0014715[mg/l]	5.0418200[mg/l]	0.6396890[mg/l]	<-0.0007549[mg/l]	2.2923200[mg/l]	
Conc RSD	*16.2171395*	*1.4643420*	*0.0875259*	*0.7977861*	*3.1434771*	*0.0716021*	
Conc SD	*0.0000442[mg/l]*	*0.0000215[mg/l]*	*0.0044129[mg/l]*	*0.0051033[mg/l]*	*0.0000237[mg/l]*	*0.0016414[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	511385-005	Client ID:	DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA
Seqnum:	484267005040	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	344350	Time:	03-JUL-2024 14:47
Cal:	484267005001	Caldate:	03-JUL-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	0.1231	6.0	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1649040	1872710	13.56

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 511385-005,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 14:47:07	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	63366.20000	1299940	7235.220000	15153.00000	18626.90000	8925730	16111.30000
Int RSD	*0.9780798*	*0.7501877*	*1.3679321*	*1.1215997*	*0.2201816*	*0.7296154*	*1.0127799*
Int SD	*619.7720000*	*9751.990000*	*98.9729000*	*169.9560000*	*41.0130000*	*65123.50000*	*163.1720000*
RelInt Mean	0.0000132	0.0504548	0.0002290	0.0020385	0.0041751	0.3666300	0.0032517
RelInt RSD	*54.3331466*	*0.7492726*	*12.7342962*	*4.1973206*	*2.6459084*	*0.6878679*	*1.1687835*
RelInt SD	*0.0000072*	*0.0003780*	*0.0000292*	*0.0000856*	*0.0001105*	*0.0025219*	*0.0000380*
Conc Mean	<-0.0007435[mg/l]	3.3883000[mg/l]	0.0158861[mg/l]	0.0089122[mg/l]	0.0107741[mg/l]	13.2053000[mg/l]	0.0162012[mg/l]
Conc RSD	*34.5246694*	*0.7496208*	*9.2115749*	*10.5856480*	*2.7245431*	*0.6927718*	*1.1990840*
Conc SD	*0.0002567[mg/l]*	*0.0253994[mg/l]*	*0.0014634[mg/l]*	*0.0009434[mg/l]*	*0.0002935[mg/l]*	*0.0914826[mg/l]*	*0.0001943[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	26471.90000	367234	57757800	160344	414006	1764600	7784.940000
Int RSD	*0.8404232*	*1.7944390*	*1.0605650*	*0.2986230*	*0.8521495*	*1.8906438*	*0.5795035*
Int SD	*222.4760000*	*6589.790000*	*612559*	*478.8240000*	*3527.950000*	*33362.30000*	*45.1140000*
RelInt Mean	0.0083688	0.0100035	31.0582000	0.0062716	0.0150887	0.9412910	0.0000786
RelInt RSD	*2.1793037*	*1.2236317*	*1.4699789*	*0.3682163*	*0.7048255*	*2.2741320*	*29.2800505*
RelInt SD	*0.0001824*	*0.0001224*	*0.4565490*	*0.0000231*	*0.0001063*	*0.0214062*	*0.0000230*
Conc Mean	0.0505331[mg/l]	0.3136950[mg/l]	>104.4420000[mg/l]	1.4457500[mg/l]	4.4157900[mg/l]	0.5956970[mg/l]	<0.0003252[mg/l]
Conc RSD	*2.1811644*	*1.2376480*	*1.4702514*	*0.3700813*	*0.7353180*	*2.2750828*	*51.7275845*
Conc SD	*0.0011022[mg/l]*	*0.0038824[mg/l]*	*1.5355600[mg/l]*	*0.0053505[mg/l]*	*0.0324701[mg/l]*	*0.0135526[mg/l]*	*0.0001682[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	2803580	33628.40000	17853.60000	8360.750000	7025.920000	13630.40000	574675
Int RSD	*0.7558728*	*0.6059670*	*1.0168649*	*0.3432264*	*0.8747837*	*1.3976773*	*1.3076991*
Int SD	*21191.50000*	*203.7770000*	*181.5470000*	*28.6963000*	*61.4616000*	*190.5090000*	*7515.020000*
RelInt Mean	0.1138800	0.0121473	0.0039800	0.0003863	0.0001731	0.0029593	0.0221479
RelInt RSD	*0.7212469*	*0.0790085*	*1.7758705*	*5.1079330*	*35.8556618*	*4.3177587*	*1.2355212*
RelInt SD	*0.0008214*	*0.0000096*	*0.0000707*	*0.0000197*	*0.0000621*	*0.0001278*	*0.0002736*
Conc Mean	3.9701100[mg/l]	0.0921612[mg/l]	0.1230700[mg/l]	0.0188706[mg/l]	0.0113415[mg/l]	0.0540135[mg/l]	0.0216404[mg/l]
Conc RSD	*0.7211790*	*0.0795354*	*1.8900951*	*4.7103060*	*35.5040339*	*4.4133041*	*1.2559102*
Conc SD	*0.0286316[mg/l]*	*0.0000733[mg/l]*	*0.0023261[mg/l]*	*0.0008889[mg/l]*	*0.0040267[mg/l]*	*0.0023838[mg/l]*	*0.0002718[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	1059960	6344.910000	20954.40000	1872710	31028600	24312100	2403300
Int RSD	*0.7236283*	*0.4152305*	*1.2358407*	*0.6090051*	*1.0566123*	*0.0428490*	*0.4854117*
Int SD	*7670.170000*	*26.3460000*	*258.9630000*	*11404.90000*	*327852*	*10417.50000*	*11665.90000*
RelInt Mean	0.0320427	-0.0004006	0.0001554	---	---	---	1.2887600
RelInt RSD	*0.5383660*	*5.1642788*	*3.0534798*	---	---	---	*1.0869363*
RelInt SD	*0.0001725*	*0.0000207*	*0.0000047*	---	---	---	*0.0140080*
Conc Mean	0.2781260[mg/l]	<-0.0245328[mg/l]	0.0106365[mg/l]	1859160	30931700	24253100	4.2973400[mg/l]
Conc RSD	*0.5381877*	*5.2022191*	*7.0428054*	---	---	---	*1.0875914*
Conc SD	*0.0014968[mg/l]*	*0.0012763[mg/l]*	*0.0007491[mg/l]*	*11320.20000*	*326716*	*10037.10000*	*0.0467375[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	27614.40000	49665.40000	1031500	71463.70000	10600.70000	104956	
Int RSD	*1.2827257*	*0.9345641*	*1.3986331*	*0.3372509*	*1.5012499*	*0.1917718*	
Int SD	*354.2170000*	*464.1550000*	*14426.90000*	*241.0120000*	*159.1430000*	*201.2760000*	
RelInt Mean	-0.0006397	0.0010110	0.5480190	0.0344216	-0.0002377	0.0524323	
RelInt RSD	*3.1163941*	*0.4558421*	*0.8804166*	*0.8930759*	*59.3840834*	*0.5606334*	
RelInt SD	*0.0000199*	*0.0000046*	*0.0048249*	*0.0003074*	*0.0001412*	*0.0002940*	
Conc Mean	0.0003299[mg/l]	0.0023449[mg/l]	8.1245500[mg/l]	0.9143230[mg/l]	<-0.0010000[mg/l]	4.2665200[mg/l]	
Conc RSD	*14.8588751*	*0.4668344*	*0.8818335*	*0.8989679*	*46.8147363*	*0.5587200*	
Conc SD	*0.0000490[mg/l]*	*0.0000109[mg/l]*	*0.0716450[mg/l]*	*0.0082195[mg/l]*	*0.0004681[mg/l]*	*0.0238379[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1166772		
Seqnum:	484267005023.3	Matrix:	Wipe		
File:	met06_master011	Batch:	344350	Time:	03-JUL-2024 13:51
Cal:	484267005001	Caldate:	03-JUL-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	-0.001561	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1649040	1818950	10.30

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BLANK,QC1166772,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 13:51:04	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	57547.90000	39228.00000	3927.300000	11536.20000	9288.290000	113847	8487.640000
Int RSD	*1.3369332*	*0.7756577*	*1.9755404*	*0.4612273*	*1.5557223*	*1.1566488*	*1.3778153*
Int SD	*769.3770000*	*304.2750000*	*77.5854000*	*53.2081000*	*144.5000000*	*1316.810000*	*116.9440000*
RelInt Mean	0.0000259	0.0000745	-0.0001242	0.0014832	0.0001689	0.0035742	-0.0000192
RelInt RSD	*5.0968994*	*15.8555608*	*19.4351384*	*6.2298124*	*19.9203770*	*1.3404548*	*116.2811031*
RelInt SD	*0.0000013*	*0.0000118*	*0.0000241*	*0.0000924*	*0.0000336*	*0.0000479*	*0.0000223*
Conc Mean	<-0.0002890[mg/l]	<0.0031050[mg/l]	<-0.0017817[mg/l]	<0.0027892[mg/l]	<0.0001079[mg/l]	0.0351091[mg/l]	<-0.0001034[mg/l]
Conc RSD	*16.3482501*	*25.5607121*	*67.9367805*	*36.5296362*	*83.7006050*	*4.9503120*	*110.8332286*
Conc SD	*0.0000472[mg/l]*	*0.0007937[mg/l]*	*0.0012105[mg/l]*	*0.0010189[mg/l]*	*0.0000903[mg/l]*	*0.0017380[mg/l]*	*0.0001146[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	8905.390000	54675.80000	24447.80000	9674.110000	56690.00000	12498.00000	5649.710000
Int RSD	*1.2566210*	*1.5566320*	*1.9930014*	*2.3645586*	*0.2541947*	*0.7588278*	*0.6110756*
Int SD	*111.9070000*	*851.1010000*	*487.2450000*	*228.7500000*	*144.1030000*	*94.8383000*	*34.5240000*
RelInt Mean	0.0001088	0.0001170	0.0074608	0.0000730	0.0005390	0.0010987	0.0001610
RelInt RSD	*23.1133939*	*0.7712688*	*5.0400358*	*13.7828567*	*0.8648407*	*6.5459957*	*18.6701034*
RelInt SD	*0.0000252*	*0.0000009*	*0.0003760*	*0.0000101*	*0.0000047*	*0.0000719*	*0.0000301*
Conc Mean	<0.0006146[mg/l]	<0.0001674[mg/l]	0.0205034[mg/l]	0.0097447[mg/l]	<-0.0277966[mg/l]	0.0004331[mg/l]	0.0009271[mg/l]
Conc RSD	*24.7364790*	*17.0974410*	*6.1674649*	*23.9282156*	*5.1218135*	*10.5127690*	*23.6905600*
Conc SD	*0.0001520[mg/l]*	*0.0000286[mg/l]*	*0.0012645[mg/l]*	*0.0023317[mg/l]*	*0.0014237[mg/l]*	*0.0000455[mg/l]*	*0.0002196[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	37644.50000	9425.420000	8773.710000	5988.770000	4546.460000	6597.260000	41674.50000
Int RSD	*3.4091567*	*0.5559869*	*1.4219070*	*1.2376648*	*0.9184926*	*0.6439886*	*0.4313645*
Int SD	*1283.360000*	*52.4041000*	*124.7540000*	*74.1209000*	*41.7589000*	*42.4856000*	*179.7690000*
RelInt Mean	0.0003110	0.0001930	-0.0001282	0.0000663	0.0000256	0.0014638	0.0002796
RelInt RSD	*15.6830545*	*12.4777207*	*6.8624919*	*30.9530415*	*70.0850726*	*0.4304820*	*2.6115040*
RelInt SD	*0.0000488*	*0.0000241*	*0.0000088*	*0.0000205*	*0.0000179*	*0.0000063*	*0.0000073*
Conc Mean	0.0108438[mg/l]	<0.0007516[mg/l]	<-0.0015610[mg/l]	0.0046527[mg/l]	<0.0017710[mg/l]	0.0261130[mg/l]	<-0.0000798[mg/l]
Conc RSD	*15.6831554*	*24.5011243*	*17.9576175*	*19.9923486*	*65.6873761*	*0.4498258*	*9.0866631*
Conc SD	*0.0017007[mg/l]*	*0.0001841[mg/l]*	*0.0002803[mg/l]*	*0.0009302[mg/l]*	*0.0011633[mg/l]*	*0.0001175[mg/l]*	*0.0000073[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	64014.40000	4070.010000	15864.70000	1818950	31334900	24847200	6665.420000
Int RSD	*0.9601637*	*1.0837664*	*2.1481276*	*0.8957585*	*1.2528746*	*0.7843419*	*1.1182671*
Int SD	*614.6430000*	*44.1094000*	*340.7940000*	*16293.40000*	*392587*	*194887*	*74.5372000*
RelInt Mean	0.0001048	-0.0001463	0.0000746	---	---	---	0.0005833
RelInt RSD	*9.5554156*	*5.4580938*	*10.9301749*	---	---	---	*1.1029433*
RelInt SD	*0.0000100*	*0.0000080*	*0.0000082*	---	---	---	*0.0000064*
Conc Mean	0.0009280[mg/l]	<-0.0081923[mg/l]	<-0.0021109[mg/l]	1807690	31246800	24790200	<0.0000424[mg/l]
Conc RSD	*9.3678218*	*5.9950783*	*61.0303418*	---	---	---	*50.4662887*
Conc SD	*0.0000869[mg/l]*	*0.0004911[mg/l]*	*0.0012883[mg/l]*	*16222.50000*	*391665*	*195378*	*0.0000214[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26052.30000	26221.20000	12927.80000	5825.990000	8711.600000	5087.620000	
Int RSD	*1.3780549*	*1.2790757*	*1.1124631*	*1.4397690*	*1.3561573*	*1.0114317*	
Int SD	*359.0150000*	*335.3890000*	*143.8170000*	*83.8808000*	*118.1430000*	*51.4578000*	
RelInt Mean	-0.0006799	0.0000159	0.0019437	0.0009188	0.0001253	0.0000056	
RelInt RSD	*3.3549106*	*49.6752391*	*4.7270782*	*2.7576813*	*39.0959293*	*90.4210117*	
RelInt SD	*0.0000228*	*0.0000079*	*0.0000919*	*0.0000253*	*0.0000490*	*0.0000051*	
Conc Mean	0.0002312[mg/l]	<-0.0000186[mg/l]	0.0164807[mg/l]	0.0186342[mg/l]	<0.0002545[mg/l]	0.0148029[mg/l]	
Conc RSD	*24.2534935*	*101.2341557*	*8.2474652*	*3.6353211*	*61.5902107*	*2.7770775*	
Conc SD	*0.0000561[mg/l]*	*0.0000188[mg/l]*	*0.0013592[mg/l]*	*0.0006774[mg/l]*	*0.0001567[mg/l]*	*0.0004111[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 511385 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	484267005024.3	Seqnum:	484267005025.3
File:	met06_master011	File:	met06_master011
IDF:	1.0	IDF:	1.0
Lab ID:	QC1166773	Lab ID:	QC1166774
Matrix:	Wipe	Matrix:	Wipe
Batch:	344350	Batch:	344350
Time:	03-JUL-2024 13:54	Time:	03-JUL-2024 13:57
Cal:	484267005001	Cal:	484267005001
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	1.104	55.19	A	110	1.084	54.22	A	108	80-120	2	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1649040	1813560	9.98

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1649040	1834190	11.23

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BS,QC1166773,344350				Sample Type: Unknown Sample			
Measure Date: 2024-07-03 13:54:21		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	443335	346128	38151.00000	153989	729971	744692	395813
Int RSD	*2.0165947*	*0.2833192*	*0.9885062*	*0.4376072*	*0.2959803*	*0.8218915*	*0.2973778*
Int SD	*8940.270000*	*980.6470000*	*377.1250000*	*673.8670000*	*2160.570000*	*6120.560000*	*1177.060000*
RelInt Mean	0.0123560	0.0127869	0.0187302	0.0803416	0.3997910	0.0299669	0.2145410
RelInt RSD	*1.1594853*	*0.3261901*	*0.8611120*	*0.1886258*	*0.0826482*	*0.9854072*	*0.1160622*
RelInt SD	*0.0001433*	*0.0000417*	*0.0001613*	*0.0001515*	*0.0003304*	*0.0002953*	*0.0002490*
Conc Mean	0.4405610[mg/l]	0.8572910[mg/l]	0.9429370[mg/l]	0.8723180[mg/l]	1.0600600[mg/l]	0.9925280[mg/l]	1.0988800[mg/l]
Conc RSD	*1.1625768*	*0.3269520*	*0.8575112*	*0.1915402*	*0.0818826*	*1.0789620*	*0.1173968*
Conc SD	*0.0051219[mg/l]*	*0.0028029[mg/l]*	*0.0080858[mg/l]*	*0.0016708[mg/l]*	*0.0008680[mg/l]*	*0.0107090[mg/l]*	*0.0012901[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	319387	1036010	623779	537273	124751	3068880	262399
Int RSD	*0.4420938*	*1.4281329*	*0.1864779*	*0.4010643*	*0.8980609*	*0.7544739*	*0.1841573*
Int SD	*1411.990000*	*14795.60000*	*1163.210000*	*2154.810000*	*1120.340000*	*23153.90000*	*483.2270000*
RelInt Mean	0.1720190	0.0316097	0.3397250	0.0219632	0.0034525	1.6968900	0.1424650
RelInt RSD	*0.1575012*	*1.5854089*	*0.1990251*	*0.6844130*	*0.8694283*	*0.3805527*	*0.3116969*
RelInt SD	*0.0002709*	*0.0005011*	*0.0006761*	*0.0001503*	*0.0000300*	*0.0064576*	*0.0004441*
Conc Mean	1.0395400[mg/l]	0.9988890[mg/l]	1.1378900[mg/l]	5.0809500[mg/l]	0.8620110[mg/l]	1.0740900[mg/l]	1.0407000[mg/l]
Conc RSD	*0.1575168*	*1.5911778*	*0.2000167*	*0.6854643*	*1.0635143*	*0.3804663*	*0.3115566*
Conc SD	*0.0016375[mg/l]*	*0.0158941[mg/l]*	*0.0022760[mg/l]*	*0.0348281[mg/l]*	*0.0091676[mg/l]*	*0.0040865[mg/l]*	*0.0032424[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	475238	264904	71824.50000	43660.80000	28568.20000	6924.950000	27862200
Int RSD	*0.3714413*	*0.4138329*	*0.8737965*	*1.0231443*	*0.6474122*	*0.7820981*	*0.5856321*
Int SD	*1765.230000*	*1096.260000*	*627.6000000*	*446.7130000*	*184.9540000*	*54.1599000*	*163170*
RelInt Mean	0.0184931	0.1415990	0.0345718	0.0207802	0.0132375	0.0015216	1.1588600
RelInt RSD	*0.7099405*	*0.3005021*	*0.7709839*	*0.9640619*	*0.9061228*	*2.4489104*	*0.2696797*
RelInt SD	*0.0001313*	*0.0004255*	*0.0002665*	*0.0002003*	*0.0001199*	*0.0000373*	*0.0031252*
Conc Mean	0.6447150[mg/l]	1.0820300[mg/l]	1.1037000[mg/l]	0.9380360[mg/l]	0.8587570[mg/l]	0.0271923[mg/l]	1.1506400[mg/l]
Conc RSD	*0.7098346*	*0.3002578*	*0.7697046*	*0.9675076*	*0.9060712*	*2.5567716*	*0.2698020*
Conc SD	*0.0045764[mg/l]*	*0.0032489[mg/l]*	*0.0084952[mg/l]*	*0.0090756[mg/l]*	*0.0077810[mg/l]*	*0.0006952[mg/l]*	*0.0031044[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	3718020	34647.10000	208951	1813560	31050500	24060800	596468
Int RSD	*1.7315749*	*0.5001631*	*2.5068652*	*0.3803425*	*3.0616029*	*0.6492428*	*0.4380235*
Int SD	*64380.30000*	*173.2920000*	*5238.120000*	*6897.740000*	*950643*	*156213*	*2612.670000*
RelInt Mean	0.1178330	0.0166144	0.0062739	---	---	---	0.3276420
RelInt RSD	*1.3901114*	*0.3273125*	*0.6562302*	---	---	---	*0.1868237*
RelInt SD	*0.0016380*	*0.0000544*	*0.0000412*	---	---	---	*0.0006121*
Conc Mean	1.0227300[mg/l]	1.0175700[mg/l]	0.9763740[mg/l]	1801740	30960100	24005500	1.0905800[mg/l]
Conc RSD	*1.3895945*	*0.3315772*	*0.6658965*	---	---	---	*0.1872655*
Conc SD	*0.0142118[mg/l]*	*0.0033740[mg/l]*	*0.0065016[mg/l]*	*6855.170000*	*950049*	*156309*	*0.0020423[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9000220	8519780	606807	6817.090000	536561	5581.420000	
Int RSD	*0.6236214*	*0.8389935*	*0.4150809*	*1.4911641*	*0.1834958*	*0.9151291*	
Int SD	*56127.30000*	*71480.40000*	*2518.740000*	*101.6540000*	*984.5670000*	*51.0772000*	
RelInt Mean	0.3724670	0.3506730	0.3310590	0.0012884	0.2924600	0.0001408	
RelInt RSD	*0.0489727*	*1.4879817*	*0.0477486*	*4.6921602*	*0.2038392*	*24.3480083*	
RelInt SD	*0.0001824*	*0.0052179*	*0.0001581*	*0.0000605*	*0.0005961*	*0.0000343*	
Conc Mean	0.9176340[mg/l]	0.8328340[mg/l]	4.8797400[mg/l]	0.0285156[mg/l]	0.9552110[mg/l]	0.0257656[mg/l]	
Conc RSD	*0.0488567*	*1.4880636*	*0.0494276*	*5.6680904*	*0.2062340*	*10.7890754*	
Conc SD	*0.0004483[mg/l]*	*0.0123931[mg/l]*	*0.0024119[mg/l]*	*0.0016163[mg/l]*	*0.0019700[mg/l]*	*0.0027799[mg/l]*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BSD,QC1166774,344350			Sample Type: Unknown Sample
Measure Date: 2024-07-03 13:57:38	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	437540	342987	37993.20000	152365	720952	738749	391838
Int RSD	*1.4870983*	*0.0739203*	*0.6152996*	*0.5025655*	*0.1095386*	*0.1437349*	*0.0997417*
Int SD	*6506.650000*	*253.5370000*	*233.7720000*	*765.7340000*	*789.7210000*	*1061.840000*	*390.8260000*
RelInt Mean	0.0122894	0.0126799	0.0184527	0.0785536	0.3903590	0.0297850	0.2099360
RelInt RSD	*1.0420688*	*1.0100868*	*1.3589122*	*0.7108509*	*0.5034238*	*1.0084136*	*0.5294471*
RelInt SD	*0.0001281*	*0.0001281*	*0.0002508*	*0.0005584*	*0.0019652*	*0.0003004*	*0.0011115*
Conc Mean	0.4381790[mg/l]	0.8500950[mg/l]	0.9290430[mg/l]	0.8526020[mg/l]	1.0350400[mg/l]	0.9859310[mg/l]	1.0752500[mg/l]
Conc RSD	*1.0450957*	*1.0124786*	*1.3536295*	*0.7221705*	*0.5041921*	*1.1050672*	*0.5322995*
Conc SD	*0.0045794[mg/l]*	*0.0086070[mg/l]*	*0.0125758[mg/l]*	*0.0061572[mg/l]*	*0.0052186[mg/l]*	*0.0108952[mg/l]*	*0.0057236[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	316071	1020110	632376	536249	124164	3036880	259155
Int RSD	*0.3236615*	*1.4385802*	*0.5078339*	*0.7092302*	*0.1742172*	*0.3985768*	*0.3062021*
Int SD	*1023.000000*	*14675.10000*	*3211.420000*	*3803.240000*	*216.3150000*	*12104.30000*	*793.5380000*
RelInt Mean	0.1682550	0.0314184	0.3406200	0.0219676	0.0034457	1.6600300	0.1390710
RelInt RSD	*0.4216326*	*0.8944377*	*0.9278404*	*1.3078761*	*0.6097635*	*0.5566954*	*0.3823198*
RelInt SD	*0.0007094*	*0.0002810*	*0.0031604*	*0.0002873*	*0.0000210*	*0.0092413*	*0.0005317*
Conc Mean	1.0167900[mg/l]	0.9928210[mg/l]	1.1409000[mg/l]	5.0819800[mg/l]	0.8599230[mg/l]	1.0507500[mg/l]	1.0159000[mg/l]
Conc RSD	*0.4219623*	*0.8975616*	*0.9315891*	*1.3098064*	*0.7461668*	*0.5563436*	*0.3821518*
Conc SD	*0.0042905[mg/l]*	*0.0089112[mg/l]*	*0.0106285[mg/l]*	*0.0665641[mg/l]*	*0.0064165[mg/l]*	*0.0058458[mg/l]*	*0.0038823[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	471139	263402	71392.70000	43455.00000	28505.80000	6904.320000	27454800
Int RSD	*0.3163525*	*0.1152808*	*0.1568872*	*0.1769939*	*0.7788906*	*0.4008563*	*1.1975429*
Int SD	*1490.460000*	*303.6520000*	*112.0060000*	*76.9127000*	*222.0290000*	*27.6764000*	*328783*
RelInt Mean	0.0183698	0.1391680	0.0339673	0.0204491	0.0130575	0.0015002	1.1439600
RelInt RSD	*0.7002907*	*0.5961529*	*0.5744966*	*0.6291279*	*1.0006739*	*0.3273705*	*0.1844584*
RelInt SD	*0.0001286*	*0.0008297*	*0.0001951*	*0.0001287*	*0.0001307*	*0.0000049*	*0.0021101*
Conc Mean	0.6404160[mg/l]	1.0634300[mg/l]	1.0844400[mg/l]	0.9231530[mg/l]	0.8470750[mg/l]	0.0267930[mg/l]	1.1358500[mg/l]
Conc RSD	*0.7003994*	*0.5962574*	*0.5731926*	*0.6294190*	*1.0004096*	*0.3420166*	*0.1842567*
Conc SD	*0.0044855[mg/l]*	*0.0063408[mg/l]*	*0.0062159[mg/l]*	*0.0058105[mg/l]*	*0.0084742[mg/l]*	*0.0000916[mg/l]*	*0.0020929[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	3679120	34489.80000	204889	1834190	30724200	24017100	592524
Int RSD	*1.9932429*	*0.0662071*	*2.0477283*	*0.6149963*	*0.6394341*	*1.0663860*	*0.3440468*
Int SD	*73333.80000*	*22.8347000*	*4195.570000*	*11280.20000*	*196461*	*256115*	*2038.560000*
RelInt Mean	0.1177760	0.0163628	0.0062101	---	---	---	0.3217930
RelInt RSD	*1.4138959*	*0.6696164*	*1.6864597*	---	---	---	*0.4081444*
RelInt SD	*0.0016652*	*0.0001096*	*0.0001047*	---	---	---	*0.0013134*
Conc Mean	1.0222400[mg/l]	1.0021600[mg/l]	0.9663200[mg/l]	1822470	30634000	23962000	1.0710800[mg/l]
Conc RSD	*1.4137482*	*0.6751128*	*1.7114931*	---	---	---	*0.4087183*
Conc SD	*0.0144519[mg/l]*	*0.0067657[mg/l]*	*0.0165385[mg/l]*	*11270.30000*	*196067*	*256504*	*0.0043777[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8861010	8502290	594124	7011.690000	531802	5607.230000	
Int RSD	*0.3563014*	*0.4511761*	*0.4099767*	*1.2588720*	*0.2517083*	*0.1568373*	
Int SD	*31571.90000*	*38360.30000*	*2435.770000*	*88.2682000*	*1338.590000*	*8.7942300*	
RelInt Mean	0.3673760	0.3506490	0.3203430	0.0013839	0.2865050	0.0001545	
RelInt RSD	*0.9105412*	*1.5122102*	*0.6767246*	*3.0124071*	*0.3981711*	*7.1789277*	
RelInt SD	*0.0033451*	*0.0053026*	*0.0021678*	*0.0000417*	*0.0011408*	*0.0000111*	
Conc Mean	0.9051160[mg/l]	0.8327790[mg/l]	4.7211900[mg/l]	0.0310678[mg/l]	0.9357390[mg/l]	0.0268747[mg/l]	
Conc RSD	*0.9085741*	*1.5122740*	*0.6800086*	*3.5872189*	*0.3959715*	*3.3459015*	
Conc SD	*0.0082236[mg/l]*	*0.0125939[mg/l]*	*0.0321045[mg/l]*	*0.0011145[mg/l]*	*0.0037053[mg/l]*	*0.0008992[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 511385 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	484267005001	Date:	03-JUL-2024 10:05
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484267005002	L1	03-JUL-2024 10:09	S20849, S16862 (100X)
L2	met06_master011	484267005003	L2	03-JUL-2024 10:12	S20848, S16862 (100X)
L3	met06_master011	484267005004	L3	03-JUL-2024 10:15	S20847, S16862 (100X)
L4	met06_master011	484267005005	L4	03-JUL-2024 10:19	S20846, S16862 (100X)
L5	met06_master011	484267005006	L5	03-JUL-2024 10:22	S20845, S16862 (100X)
L6	met06_master011	484267005007	L6	03-JUL-2024 10:25	S20614, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00253	31.8613		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	-0.001	0.0230	0.0329	0.0333	0.0314	0.0314

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-29	0.0100	-1	0.1000	7	1.0000	6	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511385 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	484267005001	Cal Date:	03-JUL-2024

- ICV 484267005010 (03-JUL-2024) stds: S21056, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.072	mg/l	7	10	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:05:51	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	55929.30000	33888.40000	3717.160000	10556.00000	8839.940000	74739.30000	8235.290000
Int RSD	*0.3775356*	*1.2792962*	*1.5435010*	*0.7196457*	*0.9764919*	*0.6080349*	*1.3762964*
Int SD	*211.1530000*	*433.5330000*	*57.3744000*	*75.9658000*	*86.3213000*	*454.4410000*	*113.3420000*
RelInt Mean	0.0000340	0.0000328	-0.0000887	0.0012303	0.0001125	0.0025915	-0.0000106
RelInt RSD	*13.0188230*	*20.5452526*	*37.2495277*	*0.4190935*	*14.0144752*	*0.7486253*	*250.6075386*
RelInt SD	*0.0000044*	*0.0000067*	*0.0000330*	*0.0000052*	*0.0000158*	*0.0000194*	*0.0000267*

	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	8428.340000	52752.70000	12799.50000	8092.650000	51250.10000	10577.50000	4970.760000
Int RSD	*0.9780194*	*0.4354886*	*0.9790304*	*1.6082742*	*0.9191221*	*2.3532215*	*0.5541165*
Int SD	*82.4308000*	*229.7320000*	*125.3110000*	*130.1520000*	*471.0510000*	*248.9120000*	*27.5438000*
RelInt Mean	0.0000025	0.0001135	0.0013065	0.0000499	0.0006317	0.0002406	0.0000237
RelInt RSD	*540.8712599*	*5.1947520*	*9.6070387*	*7.3554808*	*1.4714814*	*38.1365765*	*75.3388299*
RelInt SD	*0.0000135*	*0.0000059*	*0.0001255*	*0.0000037*	*0.0000093*	*0.0000918*	*0.0000179*

	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	30218.80000	9011.430000	8362.580000	5460.680000	4135.510000	3802.710000	36925.80000
Int RSD	*0.5555614*	*0.6331404*	*1.0815358*	*0.4519401*	*1.5776942*	*0.9131199*	*1.4706817*
Int SD	*167.8840000*	*57.0550000*	*90.4443000*	*24.6790000*	*65.2457000*	*34.7233000*	*543.0610000*
RelInt Mean	0.0001483	0.0000870	-0.0000813	-0.0000363	-0.0000034	0.0000643	0.0002844
RelInt RSD	*18.9027391*	*45.1878000*	*22.5930463*	*54.0705675*	*680.6283646*	*55.1507184*	*2.4023321*
RelInt SD	*0.0000280*	*0.0000393*	*0.0000184*	*0.0000196*	*0.0000231*	*0.0000354*	*0.0000068*

	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	58907.10000	3712.440000	15385.20000	1649040	27451800	20233300	5839.450000
Int RSD	*0.5455149*	*1.2456875*	*1.3399176*	*0.2917679*	*0.6845343*	*1.4729036*	*3.0467082*
Int SD	*321.3470000*	*46.2454000*	*206.1490000*	*4811.370000*	*187917*	*298017*	*177.9110000*
RelInt Mean	-0.0000021	-0.0000221	0.0000881	---	---	---	0.0003704
RelInt RSD	*501.2822282*	*56.2197312*	*3.8015377*	---	---	---	*24.5008181*
RelInt SD	*0.0000105*	*0.0000124*	*0.0000034*	---	---	---	*0.0000907*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	23331.10000	23459.60000	10342.20000	4525.360000	8329.470000	4776.890000	
Int RSD	*1.7050289*	*1.8231513*	*1.1119684*	*0.5202547*	*0.7851232*	*1.0693485*	
Int SD	*397.8020000*	*427.7040000*	*115.0020000*	*23.5434000*	*65.3966000*	*51.0816000*	
RelInt Mean	-0.0007757	0.0000150	0.0008323	0.0002218	0.0000554	-0.0001769	
RelInt RSD	*2.6017651*	*33.8009883*	*5.3957810*	*8.0403578*	*20.8057774*	*13.8041193*	
RelInt SD	*0.0000202*	*0.0000051*	*0.0000449*	*0.0000178*	*0.0000115*	*0.0000244*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L1,S20849			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:09:12	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	57949.30000	37370.50000	3956.900000	10979.20000	11209.40000	123635	9023.130000
Int RSD	*1.4979404*	*1.8677647*	*1.0242361*	*0.4922289*	*0.0725868*	*0.3449848*	*0.4360305*
Int SD	*868.0460000*	*697.9930000*	*40.5280000*	*54.0428000*	*8.1365400*	*426.5220000*	*39.3436000*
RelInt Mean	0.0000351	0.0001457	0.0000171	0.0013435	0.0014259	0.0049775	0.0003373
RelInt RSD	*19.7059669*	*4.5829048*	*60.4452858*	*2.2493785*	*0.6569696*	*0.2088233*	*3.7573757*
RelInt SD	*0.0000069*	*0.0000067*	*0.0000103*	*0.0000302*	*0.0000094*	*0.0000104*	*0.0000127*

	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	9682.260000	57476.90000	19358.00000	12079.20000	55118.70000	22264.80000	5856.380000
Int RSD	*0.1689926*	*1.3472891*	*1.1536367*	*2.0201752*	*1.7894018*	*0.2747862*	*0.0693676*
Int SD	*16.3623000*	*774.3800000*	*223.3210000*	*244.0210000*	*986.2950000*	*61.1806000*	*4.0624300*
RelInt Mean	0.0006399	0.0002269	0.0051390	0.0002401	0.0007765	0.0072307	0.0004959
RelInt RSD	*4.7036357*	*1.5714311*	*2.7011076*	*2.7118910*	*1.4452500*	*0.8861755*	*2.7968380*
RelInt SD	*0.0000301*	*0.0000036*	*0.0001388*	*0.0000065*	*0.0000112*	*0.0000641*	*0.0000139*

	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	59924.90000	10038.00000	8697.870000	5940.250000	4526.390000	4196.550000	445527
Int RSD	*1.0060409*	*1.0301953*	*0.7262341*	*0.7970540*	*0.6532579*	*0.5839702*	*0.3716924*
Int SD	*602.8690000*	*103.4110000*	*63.1669000*	*47.3470000*	*29.5690000*	*24.5066000*	*1655.990000*
RelInt Mean	0.0015772	0.0005782	-0.0000049	0.0001700	0.0001820	0.0002455	0.0204415
RelInt RSD	*1.0690726*	*10.9426192*	*962.6902519*	*9.1393252*	*8.4332894*	*1.4010434*	*0.2878952*
RelInt SD	*0.0000169*	*0.0000633*	*0.0000470*	*0.0000155*	*0.0000153*	*0.0000034*	*0.0000589*

	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	71600.70000	4090.440000	16427.00000	1651140	26988800	20279300	11654.60000
Int RSD	*1.3461111*	*0.4280664*	*1.7611006*	*0.6379471*	*1.7723982*	*0.2478458*	*0.8432988*
Int SD	*963.8250000*	*17.5098000*	*289.2960000*	*10533.40000*	*478349*	*50261.40000*	*98.2831000*
RelInt Mean	0.0003858	0.0001401	0.0001031	---	---	---	0.0038386
RelInt RSD	*4.4090523*	*9.3615001*	*4.0411073*	---	---	---	*1.2568078*
RelInt SD	*0.0000170*	*0.0000131*	*0.0000042*	---	---	---	*0.0000482*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	31979.50000	48164.70000	10520.20000	4574.720000	9432.810000	4933.020000	
Int RSD	*2.2045560*	*1.8790919*	*0.4201764*	*0.8032033*	*0.5474593*	*0.4145270*	
Int SD	*705.0060000*	*905.0590000*	*44.2034000*	*36.7443000*	*51.6408000*	*20.4487000*	
RelInt Mean	-0.0003754	0.0012024	0.0007842	0.0002014	0.0006026	-0.0001303	
RelInt RSD	*2.5756400*	*1.6077132*	*2.7204886*	*16.8226953*	*3.1726027*	*4.0070319*	
RelInt SD	*0.0000097*	*0.0000193*	*0.0000213*	*0.0000339*	*0.0000191*	*0.0000052*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L2,S20848			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:12:33	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	58967.10000	41435.10000	4206.060000	11923.40000	15546.60000	134318	10267.60000
Int RSD	*0.3505446*	*1.3856199*	*1.5528690*	*1.8265763*	*0.8170082*	*0.5742559*	*0.7991225*
Int SD	*206.7060000*	*574.1330000*	*65.3146000*	*217.7900000*	*127.0170000*	*771.3290000*	*82.0507000*
RelInt Mean	0.0000402	0.0003036	0.0001439	0.0018893	0.0040444	0.0054629	0.0010619
RelInt RSD	*27.9965004*	*1.6596025*	*20.8910533*	*6.5865484*	*1.8469947*	*1.2391422*	*2.3774507*
RelInt SD	*0.0000113*	*0.0000050*	*0.0000301*	*0.0001244*	*0.0000747*	*0.0000677*	*0.0000252*

	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	11469.90000	63550.40000	23705.70000	17645.60000	59988.60000	39320.70000	7486.830000
Int RSD	*0.3060585*	*0.2498175*	*0.6894207*	*1.2525785*	*1.1023644*	*0.1410300*	*1.0020529*
Int SD	*35.1046000*	*158.7600000*	*163.4320000*	*221.0250000*	*661.2930000*	*55.4540000*	*75.0220000*
RelInt Mean	0.0016850	0.0004190	0.0077398	0.0005002	0.0009737	0.0176376	0.0014532
RelInt RSD	*2.1970386*	*1.6127434*	*1.9692213*	*2.3218302*	*1.7170913*	*0.6404386*	*2.1959138*
RelInt SD	*0.0000370*	*0.0000068*	*0.0001524*	*0.0000116*	*0.0000167*	*0.0001130*	*0.0000319*

	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	97928.60000	11455.40000	9186.780000	6703.670000	5034.260000	4832.500000	1201930
Int RSD	*0.4528748*	*0.2795747*	*0.2511642*	*1.1427755*	*0.1143685*	*0.2469674*	*0.4133011*
Int SD	*443.4940000*	*32.0264000*	*23.0739000*	*76.6079000*	*5.7576100*	*11.9347000*	*4967.590000*
RelInt Mean	0.0034098	0.0014025	0.0002299	0.0006049	0.0004541	0.0006056	0.0576945
RelInt RSD	*0.6228870*	*2.2279896*	*25.1774990*	*7.4389835*	*3.2808932*	*1.9084498*	*0.8082937*
RelInt SD	*0.0000212*	*0.0000312*	*0.0000579*	*0.0000450*	*0.0000149*	*0.0000116*	*0.0004663*

	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	93306.30000	4722.910000	17100.70000	1644400	26803900	20311000	22125.20000
Int RSD	*0.7547475*	*0.5986902*	*0.2738180*	*0.7053515*	*0.4094068*	*0.7234602*	*0.1733146*
Int SD	*704.2270000*	*28.2756000*	*46.8248000*	*11598.80000*	*109737*	*146942*	*38.3462000*
RelInt Mean	0.0011587	0.0005275	0.0001215	---	---	---	0.0102285
RelInt RSD	*2.5790541*	*0.7363775*	*3.5932156*	---	---	---	*0.4464672*
RelInt SD	*0.0000299*	*0.0000039*	*0.0000044*	---	---	---	*0.0000457*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	48740.90000	93733.50000	10605.50000	4593.990000	11113.50000	4886.900000	
Int RSD	*0.9481667*	*0.1793585*	*0.5777559*	*0.6561203*	*1.4180051*	*0.4012216*	
Int SD	*462.1450000*	*168.1190000*	*61.2739000*	*30.1421000*	*157.5900000*	*19.6073000*	
RelInt Mean	0.0004363	0.0033931	0.0008031	0.0002142	0.0015989	-0.0001823	
RelInt RSD	*5.2728927*	*0.5426456*	*1.2922410*	*8.9806333*	*5.4947338*	*10.1275772*	
RelInt SD	*0.0000230*	*0.0000184*	*0.0000104*	*0.0000192*	*0.0000879*	*0.0000185*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L3,S20847			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:15:54	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	59129.40000	91512.60000	7192.900000	25141.40000	73788.30000	686352	25805.70000
Int RSD	*0.6344187*	*1.3000177*	*0.5204326*	*0.4665412*	*0.2961526*	*0.7598273*	*0.7491949*
Int SD	*375.1280000*	*1189.680000*	*37.4342000*	*117.2950000*	*218.5260000*	*5215.090000*	*193.3350000*
RelInt Mean	0.0000322	0.0026476	0.0019373	0.0099259	0.0396583	0.0328823	0.0105143
RelInt RSD	*31.8090052*	*1.3672389*	*1.4957414*	*1.1949498*	*0.8954393*	*0.6765646*	*1.6175494*
RelInt SD	*0.0000103*	*0.0000362*	*0.0000290*	*0.0001186*	*0.0003551*	*0.0002225*	*0.0001701*

	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	37547.80000	137575	118853	109112	119986	291871	27689.60000
Int RSD	*0.3936955*	*1.4872978*	*0.4269795*	*0.3365991*	*0.7212150*	*0.5745209*	*0.8259997*
Int SD	*147.8240000*	*2046.150000*	*507.4780000*	*367.2700000*	*865.3570000*	*1676.860000*	*228.7160000*
RelInt Mean	0.0175841	0.0031522	0.0659717	0.0050273	0.0039403	0.1722620	0.0137802
RelInt RSD	*0.4770503*	*3.0601936*	*0.9413279*	*0.2001715*	*0.4157966*	*1.1647781*	*1.1499180*
RelInt SD	*0.0000839*	*0.0000965*	*0.0006210*	*0.0000101*	*0.0000164*	*0.0020065*	*0.0001585*

	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	789510	32298.00000	14265.90000	16040.70000	11988.40000	12395.90000	11668000
Int RSD	*0.7718319*	*0.2982671*	*0.1125411*	*0.8133498*	*0.4349396*	*0.7961431*	*0.0899786*
Int SD	*6093.690000*	*96.3343000*	*16.0550000*	*130.4670000*	*52.1423000*	*98.6891000*	*10498.70000*
RelInt Mean	0.0376136	0.0141062	0.0032907	0.0062843	0.0046878	0.0052134	0.5775660
RelInt RSD	*0.6332896*	*0.7977343*	*0.4861244*	*0.7198290*	*0.8238577*	*1.6945562*	*0.0640303*
RelInt SD	*0.0002382*	*0.0001125*	*0.0000160*	*0.0000452*	*0.0000386*	*0.0000883*	*0.0003698*

	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	366730	12462.80000	24688.80000	1643060	26942700	20190800	164637
Int RSD	*1.4769858*	*0.5589739*	*1.0949135*	*0.5713589*	*1.5225200*	*0.1381119*	*0.4070810*
Int SD	*5416.550000*	*69.6638000*	*270.3210000*	*9387.770000*	*410208*	*27885.90000*	*670.2060000*
RelInt Mean	0.0113046	0.0052386	0.0003979	---	---	---	0.0974959
RelInt RSD	*2.7133910*	*1.4410985*	*2.3949005*	---	---	---	*0.9760021*
RelInt SD	*0.0003067*	*0.0000755*	*0.0000095*	---	---	---	*0.0009516*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	267650	767775	10924.60000	4738.680000	34187.30000	5043.920000	
Int RSD	*0.6165029*	*0.6889844*	*0.4481171*	*1.0346805*	*0.6729458*	*0.5293641*	
Int SD	*1650.070000*	*5289.850000*	*48.9550000*	*49.0302000*	*230.0620000*	*26.7007000*	
RelInt Mean	0.0112873	0.0365685	0.0009501	0.0002544	0.0156436	-0.0001244	
RelInt RSD	*0.5336272*	*0.5778033*	*2.2021491*	*11.9186079*	*0.8161676*	*11.1240120*	
RelInt SD	*0.0000602*	*0.0002113*	*0.0000209*	*0.0000303*	*0.0001277*	*0.0000138*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L4,S20846			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:19:15	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	60120.60000	606503	36463.60000	154874	637959	5686180	171694
Int RSD	*0.5770934*	*0.3656008*	*0.9631550*	*0.6345403*	*0.5157071*	*0.7130640*	*0.6502324*
Int SD	*346.9520000*	*2217.380000*	*351.2010000*	*982.7380000*	*3290.000000*	*40546.10000*	*1116.410000*
RelInt Mean	0.0000334	0.0277498	0.0200126	0.0904773	0.3904910	0.2869390	0.1010520
RelInt RSD	*22.4713043*	*1.4921621*	*1.0376163*	*0.5970757*	*0.4814298*	*0.3389020*	*0.4743291*
RelInt SD	*0.0000075*	*0.0004141*	*0.0002077*	*0.0005402*	*0.0018799*	*0.0009724*	*0.0004793*

	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	286572	869841	1023380	1377030	707530	2711380	227760
Int RSD	*0.5797775*	*1.5978897*	*0.2974887*	*0.5831209*	*0.4091614*	*0.1585635*	*0.8099666*
Int SD	*1661.480000*	*13899.10000*	*3044.440000*	*8029.750000*	*2894.940000*	*4299.260000*	*1844.780000*
RelInt Mean	0.1722160	0.0314452	0.6285300	0.0691202	0.0336630	1.6775400	0.1380370
RelInt RSD	*0.5273941*	*2.4211644*	*0.2865400*	*0.3783192*	*1.3733892*	*0.1561793*	*0.6566268*
RelInt SD	*0.0009083*	*0.0007613*	*0.0018010*	*0.0002615*	*0.0004623*	*0.0026200*	*0.0009064*

	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	9640930	231702	62863.80000	106493	81833.80000	91220.80000	99168700
Int RSD	*0.6568412*	*0.5857092*	*0.3734057*	*0.4688440*	*0.5588669*	*0.1018285*	*0.4907244*
Int SD	*63325.60000*	*1357.100000*	*234.7370000*	*499.2860000*	*457.3420000*	*92.8888000*	*486645*
RelInt Mean	0.4851060	0.1378680	0.0332732	0.0623962	0.0480070	0.0541172	5.0259100
RelInt RSD	*0.3910382*	*0.5194766*	*0.6576825*	*0.5709514*	*0.6263149*	*0.3124349*	*0.4287602*
RelInt SD	*0.0018970*	*0.0007162*	*0.0002188*	*0.0003563*	*0.0003007*	*0.0001691*	*0.0215491*

	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	3121980	87788.00000	96879.20000	1620620	25935000	19771300	1569130
Int RSD	*1.6129059*	*0.4712159*	*2.1971899*	*0.2662432*	*0.8107500*	*0.9116396*	*0.4447445*
Int SD	*50354.60000*	*413.6710000*	*2128.620000*	*4314.790000*	*210268*	*180243*	*6978.620000*
RelInt Mean	0.1180790	0.0519964	0.0031800	---	---	---	0.9711140
RelInt RSD	*2.3723016*	*0.3190259*	*3.3629037*	---	---	---	*0.2622246*
RelInt SD	*0.0028012*	*0.0001659*	*0.0001069*	---	---	---	*0.0025465*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	2470280	8304360	13643.00000	5557.860000	256736	5471.830000	
Int RSD	*0.8770585*	*0.5695610*	*1.1335703*	*1.3933924*	*0.4674997*	*0.5264564*	
Int SD	*21665.80000*	*47298.40000*	*154.6530000*	*77.4428000*	*1200.240000*	*28.8068000*	
RelInt Mean	0.1229340	0.4158540	0.0024316	0.0006013	0.1537640	-0.0000121	
RelInt RSD	*0.4436714*	*0.3930081*	*5.1927506*	*9.6558961*	*0.5226574*	*185.0047977*	
RelInt SD	*0.0005454*	*0.0016343*	*0.0001263*	*0.0000581*	*0.0008037*	*0.0000224*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L5,S20845			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:22:35	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	63497.50000	2817090	157570	726975	2944450	25824900	795482
Int RSD	*0.7097807*	*0.2780738*	*0.0853094*	*0.2501792*	*0.3302131*	*0.1490891*	*0.1201304*
Int SD	*450.6930000*	*7833.590000*	*134.4220000*	*1818.740000*	*9722.960000*	*38502.10000*	*955.6160000*
RelInt Mean	0.0000309	0.1445080	0.0976412	0.4587800	1.8771000	1.3867300	0.5023200
RelInt RSD	*22.7182593*	*1.0955726*	*0.4805174*	*0.1617834*	*0.0845565*	*0.8092779*	*0.3604475*
RelInt SD	*0.0000070*	*0.0015832*	*0.0004692*	*0.0007422*	*0.0015872*	*0.0112225*	*0.0018106*

	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	1296850	3906660	4730240	8107440	3035290	12581000	1106070
Int RSD	*0.3401835*	*1.9352900*	*0.3428917*	*0.6901192*	*0.0656530*	*0.5389389*	*0.4357093*
Int SD	*4411.670000*	*75605.20000*	*16219.60000*	*55951.00000*	*1992.760000*	*67803.90000*	*4819.250000*
RelInt Mean	0.8223430	0.1549090	3.0181300	0.4336940	0.1603680	8.0410700	0.7034970
RelInt RSD	*0.1858726*	*2.9714026*	*0.2683105*	*1.5930426*	*0.8779557*	*0.5618369*	*0.0281595*
RelInt SD	*0.0015285*	*0.0046030*	*0.0080980*	*0.0069089*	*0.0014080*	*0.0451777*	*0.0001981*

	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	48980800	1035240	255562	512236	367383	422536	139922000
Int RSD	*0.1796539*	*0.5312884*	*0.2557102*	*0.1269637*	*0.4687288*	*0.4567114*	*0.0055513*
Int SD	*87995.90000*	*5500.110000*	*653.4980000*	*650.3540000*	*1722.030000*	*1929.770000*	*7767.450000*
RelInt Mean	2.6169400	0.6550160	0.1567540	0.3229320	0.2317250	0.2672940	7.5155100
RelInt RSD	*0.7754591*	*0.1369104*	*0.3194751*	*0.3553844*	*0.3467455*	*0.1245973*	*0.9363303*
RelInt SD	*0.0202933*	*0.0008968*	*0.0005008*	*0.0011477*	*0.0008035*	*0.0003330*	*0.0703700*

	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	14217100	396704	406957	1574890	24828900	18647100	7475860
Int RSD	*1.3872520*	*0.1308215*	*2.1437007*	*0.4055705*	*1.0240486*	*0.9380923*	*0.5406308*
Int SD	*197227*	*518.9740000*	*8723.940000*	*6387.290000*	*254260*	*174927*	*40416.80000*
RelInt Mean	0.5708050	0.2504030	0.0157773	---	---	---	4.7776200
RelInt RSD	*2.4098773*	*0.3593036*	*3.2848713*	---	---	---	*0.4476873*
RelInt SD	*0.0137557*	*0.0008997*	*0.0005183*	---	---	---	*0.0213888*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	11409000	40354400	24712.80000	8741.110000	1181280	7057.100000	
Int RSD	*0.6584381*	*0.4416867*	*0.5674428*	*1.6082511*	*0.4438990*	*0.8136869*	
Int SD	*75121.20000*	*178240*	*140.2310000*	*140.5790000*	*5243.690000*	*57.4227000*	
RelInt Mean	0.6100060	2.1462200	0.0092231	0.0021858	0.7484850	0.0005486	
RelInt RSD	*0.4058599*	*0.5600637*	*1.0287116*	*4.9232543*	*0.0528787*	*7.3541743*	
RelInt SD	*0.0024758*	*0.0120202*	*0.0000949*	*0.0001076*	*0.0003958*	*0.0000403*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L6,S20614			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:25:56	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	67217.00000	5564080	310033	1388140	5721040	49512900	1480940
Int RSD	*0.8931133*	*0.5740967*	*0.4824035*	*0.8054231*	*0.6084086*	*0.4508360*	*0.6181175*
Int SD	*600.3240000*	*31943.20000*	*1495.610000*	*11180.40000*	*34807.30000*	*223222*	*9153.950000*
RelInt Mean	0.0000145	0.2999640	0.2002340	0.9062160	3.7559600	2.7554100	0.9664350
RelInt RSD	*48.3245560*	*1.1050526*	*0.8531169*	*0.4318363*	*0.2377536*	*0.5738202*	*0.2758954*
RelInt SD	*0.0000070*	*0.0033148*	*0.0017082*	*0.0039134*	*0.0089299*	*0.0158111*	*0.0026664*

	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	2531620	7668150	9017120	15598300	5987970	23895300	2072830
Int RSD	*0.5278912*	*2.4669184*	*0.6877118*	*0.2458806*	*0.3430278*	*0.2973468*	*0.5829615*
Int SD	*13364.20000*	*189167*	*62011.80000*	*38353.20000*	*20540.40000*	*71051.90000*	*12083.80000*
RelInt Mean	1.6564800	0.3168650	5.9230400	0.8637350	0.3299600	15.7110000	1.3586000
RelInt RSD	*0.1650373*	*2.8292049*	*0.3167478*	*0.4008996*	*0.7393139*	*0.3387868*	*0.2328684*
RelInt SD	*0.0027338*	*0.0089648*	*0.0187611*	*0.0034627*	*0.0024394*	*0.0532268*	*0.0031638*

	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	105715000	1999090	488565	1020740	708242	820832	139826000
Int RSD	*0.3596339*	*0.6722709*	*0.3606787*	*0.5413014*	*0.6045194*	*0.4117079*	*0.0037843*
Int SD	*380187*	*13439.30000*	*1762.150000*	*5525.280000*	*4281.460000*	*3379.430000*	*5291.500000*
RelInt Mean	5.8566700	1.3066000	0.3136300	0.6655260	0.4620790	0.5364220	7.7724100
RelInt RSD	*0.1554639*	*0.2999832*	*0.7582215*	*0.8904896*	*0.9839659*	*0.7871471*	*0.5161745*
RelInt SD	*0.0091050*	*0.0039196*	*0.0023780*	*0.0059264*	*0.0045467*	*0.0042224*	*0.0401192*

	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	27721400	742007	779538	1532760	23992900	18004200	13437600
Int RSD	*1.8573160*	*0.4028196*	*1.4876760*	*0.3757483*	*0.7436992*	*0.5085047*	*0.2008022*
Int SD	*514874*	*2988.950000*	*11597.00000*	*5759.320000*	*178435*	*91552.20000*	*26983.00000*
RelInt Mean	1.1544800	0.4838710	0.0318303	---	---	---	8.8338000
RelInt RSD	*2.1081959*	*0.1342176*	*1.9196112*	---	---	---	*0.4396273*
RelInt SD	*0.0243387*	*0.0006494*	*0.0006110*	---	---	---	*0.0388358*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21969200	76037900	37736.40000	12529.00000	2342940	8717.990000	
Int RSD	*0.6046010*	*0.2916664*	*0.3352307*	*0.3170612*	*0.6136905*	*0.4371340*	
Int SD	*132826*	*221777*	*126.5040000*	*39.7246000*	*14378.40000*	*38.1093000*	
RelInt Mean	1.2189500	4.1898800	0.0175365	0.0041736	1.5319600	0.0012082	
RelInt RSD	*0.8395094*	*0.3483990*	*0.5974054*	*0.5236724*	*0.2515157*	*2.5053551*	
RelInt SD	*0.0102332*	*0.0145975*	*0.0001048*	*0.0000219*	*0.0038531*	*0.0000303*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L7,S20782			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:29:17	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	1542080	37571.70000	4047.860000	11702.00000	9576.330000	77773.60000	8797.000000
Int RSD	*1.1297468*	*2.8290176*	*0.2497715*	*2.2224662*	*0.4903340*	*0.6961282*	*0.7533614*
Int SD	*17421.60000*	*1062.910000*	*10.1104000*	*260.0730000*	*46.9560000*	*541.4040000*	*66.2732000*
RelInt Mean	0.0559718	0.0000590	-0.0000140	0.0016089	0.0002346	0.0026121	0.0000328
RelInt RSD	*1.8503246*	*0.5051138*	*103.6731634*	*11.0848473*	*22.5717318*	*1.2226140*	*149.6301642*
RelInt SD	*0.0010357*	*0.0000003*	*0.0000145*	*0.0001783*	*0.0000530*	*0.0000319*	*0.0000491*

	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	8995.040000	57066.30000	15506.60000	8929.260000	54763.50000	12038.20000	9642.560000
Int RSD	*0.1238093*	*0.1651258*	*2.9414636*	*3.6867669*	*1.7544678*	*1.0819392*	*10.9521745*
Int SD	*11.1367000*	*94.2312000*	*456.1210000*	*329.2010000*	*960.8080000*	*130.2460000*	*1056.070000*
RelInt Mean	0.0000446	0.0001330	0.0025266	0.0000593	0.0006463	0.0007957	0.0026644
RelInt RSD	*23.8879991*	*14.1220358*	*10.2310606*	*3.4199568*	*0.2214821*	*11.2195042*	*24.0946930*
RelInt SD	*0.0000106*	*0.0000188*	*0.0002585*	*0.0000020*	*0.0000014*	*0.0000893*	*0.0006420*

	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	33818.50000	10761.00000	8824.160000	6018.180000	4496.760000	4232.290000	53829.80000
Int RSD	*1.1727516*	*0.4972001*	*0.1914177*	*0.4781578*	*0.1782930*	*1.3183099*	*0.4563978*
Int SD	*396.6070000*	*53.5037000*	*16.8910000*	*28.7764000*	*8.0174100*	*55.7947000*	*245.6780000*
RelInt Mean	0.0002265	0.0008296	-0.0001483	0.0000972	0.0000564	0.0001773	0.0009744
RelInt RSD	*9.4257467*	*4.2694950*	*5.3576044*	*22.6701498*	*22.4324770*	*23.7135736*	*4.3210899*
RelInt SD	*0.0000213*	*0.0000354*	*0.0000079*	*0.0000220*	*0.0000126*	*0.0000421*	*0.0000421*

	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	77144.30000	4043.690000	16769.50000	1656920	26504000	20498600	7253.220000
Int RSD	*2.9884385*	*0.3604628*	*0.2796005*	*0.3181994*	*2.7638281*	*0.7340257*	*1.9358299*
Int SD	*2305.410000*	*14.5760000*	*46.8876000*	*5272.310000*	*732525*	*150465*	*140.4100000*
RelInt Mean	0.0005032	0.0000330	0.0000920	---	---	---	0.0010344
RelInt RSD	*21.8677095*	*38.6196338*	*10.3691508*	---	---	---	*7.0281320*
RelInt SD	*0.0001100*	*0.0000127*	*0.0000095*	---	---	---	*0.0000727*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25522.30000	26199.70000	11126.00000	4727.970000	8963.480000	5075.510000	
Int RSD	*3.3730463*	*2.2452624*	*0.8003586*	*1.3964048*	*0.4422267*	*0.2888715*	
Int SD	*860.8790000*	*588.2520000*	*89.0479000*	*66.0216000*	*39.6389000*	*14.6617000*	
RelInt Mean	-0.0007378	0.0000598	0.0009794	0.0002138	0.0001354	-0.0001514	
RelInt RSD	*4.1926355*	*10.0248176*	*6.8027486*	*25.2479629*	*31.5594189*	*11.2182882*	
RelInt SD	*0.0000309*	*0.0000060*	*0.0000666*	*0.0000540*	*0.0000427*	*0.0000170*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L8,S20759			Sample Type: Calibration Sample
Measure Date: 2024-07-03 10:32:37	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	60035.90000	38355.50000	3964.660000	11345.90000	9305.640000	76844.10000	8618.650000
Int RSD	*0.4450187*	*0.8065519*	*0.4967362*	*0.7462643*	*0.8296947*	*0.8610160*	*0.5361269*
Int SD	*267.1710000*	*309.3570000*	*19.6939000*	*84.6704000*	*77.2084000*	*661.6400000*	*46.2069000*
RelInt Mean	0.0000386	0.0001423	-0.0000525	0.0013928	0.0000971	0.0025337	-0.0000331
RelInt RSD	*21.0554155*	*9.1153770*	*15.2667609*	*3.6153172*	*36.0517144*	*1.2418092*	*127.0726967*
RelInt SD	*0.0000081*	*0.0000130*	*0.0000080*	*0.0000504*	*0.0000350*	*0.0000315*	*0.0000420*

	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	8923.410000	56843.80000	14640.50000	8592.970000	53825.10000	11497.40000	6019.690000
Int RSD	*0.3448603*	*0.6787178*	*0.7873706*	*2.7529364*	*0.7009536*	*0.3789291*	*1.3431456*
Int SD	*30.7733000*	*385.8090000*	*115.2750000*	*236.5590000*	*377.2890000*	*43.5670000*	*80.8532000*
RelInt Mean	0.0000624	0.0001337	0.0020303	0.0000514	0.0006279	0.0004854	0.0004748
RelInt RSD	*29.7171111*	*2.8003918*	*2.8599299*	*12.9344731*	*3.2881746*	*4.5205073*	*10.6592168*
RelInt SD	*0.0000186*	*0.0000037*	*0.0000581*	*0.0000066*	*0.0000206*	*0.0000219*	*0.0000506*

	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	33027.50000	15272.40000	8782.390000	5817.380000	4393.950000	4080.470000	42264.70000
Int RSD	*1.7855969*	*0.9757406*	*0.5654201*	*0.3731078*	*0.5359301*	*1.0057812*	*0.2333011*
Int SD	*589.7380000*	*149.0190000*	*49.6574000*	*21.7051000*	*23.5485000*	*41.0406000*	*98.6040000*
RelInt Mean	0.0002147	0.0035349	-0.0000977	-0.0000089	0.0000278	0.0000929	0.0004417
RelInt RSD	*10.0915573*	*2.3822369*	*45.3684921*	*335.2069609*	*59.7347236*	*32.8410514*	*0.8493475*
RelInt SD	*0.0000217*	*0.0000842*	*0.0000443*	*0.0000298*	*0.0000166*	*0.0000305*	*0.0000038*

	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	72325.40000	3918.070000	16474.40000	1705910	27908900	21019600	6513.610000
Int RSD	*0.6373252*	*0.3890257*	*1.1352341*	*0.6066322*	*1.0432084*	*0.2412910*	*0.6940145*
Int SD	*460.9480000*	*15.2423000*	*187.0230000*	*10348.60000*	*291148*	*50718.40000*	*45.2054000*
RelInt Mean	0.0003239	-0.0000385	0.0000829	---	---	---	0.0005912
RelInt RSD	*6.3852926*	*56.6407172*	*2.3127899*	---	---	---	*4.3332973*
RelInt SD	*0.0000207*	*0.0000218*	*0.0000019*	---	---	---	*0.0000256*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24698.30000	24997.10000	1153250	639304	8744.940000	214183	
Int RSD	*0.6194596*	*0.7473427*	*0.4906950*	*0.2635037*	*0.3926271*	*0.3682020*	
Int SD	*152.9960000*	*186.8140000*	*5658.940000*	*1684.590000*	*34.3350000*	*788.6260000*	
RelInt Mean	-0.0007339	0.0000319	0.6743300	0.3742670	0.0000553	0.1231300	
RelInt RSD	*0.8575927*	*8.7417393*	*0.5370768*	*0.4026885*	*49.1113072*	*0.4996646*	
RelInt SD	*0.0000063*	*0.0000028*	*0.0036217*	*0.0015071*	*0.0000272*	*0.0006152*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICV,S21056 | Sample Type: Control Sample

Measure Date: 2024-07-03 10:36:07 | 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	395420	397720	36369.80000	154598	614365	27213000	329792
Int RSD	*1.2615245*	*0.5832998*	*0.3680499*	*0.2613494*	*0.2442262*	*1.1036122*	*0.3607486*
Int SD	*4988.320000*	*2319.900000*	*133.8590000*	*404.0410000*	*1500.440000*	*300326*	*1189.720000*
RelInt Mean	0.0131824	0.0141267	0.0207748	0.0945023	0.3945050	1.4272400	0.2089440
RelInt RSD	*2.1071732*	*0.4304969*	*0.2844398*	*0.4558386*	*0.4692437*	*0.6637412*	*0.4986791*
RelInt SD	*0.0002778*	*0.0000608*	*0.0000591*	*0.0004308*	*0.0018512*	*0.0094732*	*0.0010420*
Conc Mean	0.4701100[mg/l]	0.9473110[mg/l]	1.0455000[mg/l]	1.0284600[mg/l]	1.0461000[mg/l]	51.6801000[mg/l]	1.0701800[mg/l]
Conc RSD	*2.1128332*	*0.4313641*	*0.2828446*	*0.4618420*	*0.4707733*	*0.6649252*	*0.5022314*
Conc SD	*0.0099326[mg/l]*	*0.0040864[mg/l]*	*0.0029571[mg/l]*	*0.0047499[mg/l]*	*0.0049248[mg/l]*	*0.3436340[mg/l]*	*0.0053748[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	269038	842886	501569	4586760	3163630	2548810	217370
Int RSD	*0.2673630*	*1.9591143*	*0.1706826*	*0.3714932*	*0.3195633*	*0.3911276*	*0.2315163*
Int SD	*719.3080000*	*16513.10000*	*856.0910000*	*17039.50000*	*10109.80000*	*9969.100000*	*503.2470000*
RelInt Mean	0.1690910	0.0310119	0.3193060	0.2393320	0.1632910	1.6559500	0.1380720
RelInt RSD	*0.6279577*	*2.7427084*	*0.5171841*	*0.5941830*	*0.5612453*	*0.2980561*	*0.1691813*
RelInt SD	*0.0010618*	*0.0008506*	*0.0016514*	*0.0014221*	*0.0009165*	*0.0049357*	*0.0002336*
Conc Mean	1.0218400[mg/l]	0.9799300[mg/l]	1.0692200[mg/l]	55.4379000[mg/l]	49.6782000[mg/l]	1.0481700[mg/l]	1.0086000[mg/l]
Conc RSD	*0.6276775*	*2.7526660*	*0.5198163*	*0.5942812*	*0.5633034*	*0.2981854*	*0.1693883*
Conc SD	*0.0064139[mg/l]*	*0.0269742[mg/l]*	*0.0055580[mg/l]*	*0.3294570[mg/l]*	*0.2798390[mg/l]*	*0.0031255[mg/l]*	*0.0017085[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	26472100	221213	61230.30000	40918.50000	29593.10000	424345	21486500
Int RSD	*0.6273586*	*0.5488782*	*0.4830043*	*0.1565901*	*0.7893326*	*0.1847563*	*0.3290485*
Int SD	*166075*	*1214.190000*	*295.7450000*	*64.0743000*	*233.5880000*	*784.0040000*	*70701.00000*
RelInt Mean	1.3819200	0.1376110	0.0335732	0.0225095	0.0161762	0.2741430	1.1264800
RelInt RSD	*0.9072305*	*0.6568145*	*0.9578354*	*0.4759813*	*0.6980811*	*0.5292749*	*0.1548061*
RelInt SD	*0.0125372*	*0.0009038*	*0.0003216*	*0.0001071*	*0.0001129*	*0.0014510*	*0.0017439*
Conc Mean	48.1772000[mg/l]	1.0515300[mg/l]	1.0718700[mg/l]	1.0165800[mg/l]	1.0493800[mg/l]	5.1132800[mg/l]	1.1184900[mg/l]
Conc RSD	*0.9071988*	*0.6574962*	*0.9554890*	*0.4741693*	*0.6980417*	*0.5293667*	*0.1548793*
Conc SD	*0.4370630[mg/l]*	*0.0069138[mg/l]*	*0.0102416[mg/l]*	*0.0048203[mg/l]*	*0.0073251[mg/l]*	*0.0270680[mg/l]*	*0.0017323[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	3025890	31982.10000	174091	1543520	25406500	19091400	522605
Int RSD	*1.7456021*	*0.4365692*	*1.2621100*	*0.3936949*	*0.9902112*	*0.4518506*	*0.3033132*
Int SD	*52820.00000*	*139.6240000*	*2197.220000*	*6076.760000*	*251578*	*86264.60000*	*1585.130000*
RelInt Mean	0.1167120	0.0179141	0.0062703	---	---	---	0.3370820
RelInt RSD	*2.5747481*	*0.2149748*	*2.2293794*	---	---	---	*0.6187456*
RelInt SD	*0.0030050*	*0.0000385*	*0.0001398*	---	---	---	*0.0020857*
Conc Mean	1.0130000[mg/l]	1.0976400[mg/l]	0.9758280[mg/l]	1531820	25313700	19033600	1.1220800[mg/l]
Conc RSD	*2.5748865*	*0.2115010*	*2.2620995*	---	---	---	*0.6198168*
Conc SD	*0.0260836[mg/l]*	*0.0023215[mg/l]*	*0.0220742[mg/l]*	*6069.810000*	*251586*	*86021.10000*	*0.0069548[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7855380	8746300	594640	312878	493711	107770	
Int RSD	*0.9145783*	*0.7647245*	*0.2547104*	*0.3984652*	*0.1117010*	*0.0968331*	
Int SD	*71843.60000*	*66885.10000*	*1514.610000*	*1246.710000*	*551.4800000*	*104.3570000*	
RelInt Mean	0.4096760	0.4537690	0.3810040	0.2008660	0.3156570	0.0665266	
RelInt RSD	*0.5766655*	*1.0832847*	*0.5405796*	*0.1253741*	*0.4304926*	*0.3553736*	
RelInt SD	*0.0023625*	*0.0049156*	*0.0020596*	*0.0002518*	*0.0013589*	*0.0002364*	
Conc Mean	1.0091200[mg/l]	1.0777000[mg/l]	5.6220400[mg/l]	5.3641800[mg/l]	1.0308900[mg/l]	5.4095600[mg/l]	
Conc RSD	*0.5758245*	*1.0836318*	*0.5433010*	*0.1256669*	*0.4317706*	*0.3544632*	
Conc SD	*0.0058108[mg/l]*	*0.0116783[mg/l]*	*0.0305446[mg/l]*	*0.0067410[mg/l]*	*0.0044511[mg/l]*	*0.0191749[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005012	File:	met06_master011	Time:	03-JUL-2024 10:42
Cal:	484267005001	Caldate:	03-JUL-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	27451800	26536300	-3.33
Yttrium	A	1649040	1633820	-0.92
Yttrium	R	20233300	20369700	0.67

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2024-07-03 10:42:45	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	62391.50000	37889.60000	4066.760000	12294.90000	9674.320000	76719.10000	9024.890000
Int RSD	*1.1570230*	*1.1089138*	*0.3695497*	*0.8938910*	*0.7869969*	*0.8297829*	*0.8782179*
Int SD	*721.8840000*	*420.1630000*	*15.0287000*	*109.9030000*	*76.1366000*	*636.6020000*	*79.2582000*
RelInt Mean	0.0000450	0.0000257	-0.0000728	0.0018267	0.0001373	0.0025438	0.0000023
RelInt RSD	*38.0324429*	*39.7989848*	*18.9853572*	*2.7232237*	*10.5455274*	*1.0453965*	*595.2487285*
RelInt SD	*0.0000171*	*0.0000102*	*0.0000138*	*0.0000497*	*0.0000145*	*0.0000266*	*0.0000137*
Conc Mean	<0.0003925[mg/l]	<-0.0001744[mg/l]	<0.0007932[mg/l]	0.0065767[mg/l]	<0.0000246[mg/l]	<-0.0022691[mg/l]	<0.0000082[mg/l]
Conc RSD	*155.8514189*	*393.9462578*	*87.4603831*	*8.3405203*	*159.0007279*	*42.5165370*	*864.2559829*
Conc SD	*0.0006117[mg/l]*	*0.0006870[mg/l]*	*0.0006938[mg/l]*	*0.0005485[mg/l]*	*0.0000391[mg/l]*	*0.0009648[mg/l]*	*0.0000705[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	9248.590000	58592.60000	13045.50000	8868.630000	55712.40000	11488.90000	5638.300000
Int RSD	*0.0558405*	*1.3062998*	*1.2921314*	*1.3340279*	*0.6866586*	*0.6201638*	*0.5398613*
Int SD	*5.1644600*	*765.3950000*	*168.5650000*	*118.3100000*	*382.5540000*	*71.2500000*	*30.4390000*
RelInt Mean	0.0000198	0.0001311	0.0007999	0.0000477	0.0006406	0.0001865	0.0001334
RelInt RSD	*154.8180596*	*9.0853696*	*4.9037773*	*13.2538720*	*2.8976376*	*28.4063418*	*16.8790945*
RelInt SD	*0.0000306*	*0.0000119*	*0.0000392*	*0.0000063*	*0.0000186*	*0.0000530*	*0.0000225*
Conc Mean	<0.0000765[mg/l]	<0.0006161[mg/l]	<-0.0018971[mg/l]	<0.0038690[mg/l]	<0.0032213[mg/l]	<-0.0001444[mg/l]	0.0007255[mg/l]
Conc RSD	*242.2253412*	*61.3168778*	*6.9528915*	*37.8252778*	*175.9835468*	*23.2282145*	*22.6784415*
Conc SD	*0.0001852[mg/l]*	*0.0003778[mg/l]*	*0.0001319[mg/l]*	*0.0014635[mg/l]*	*0.0056689[mg/l]*	*0.0000335[mg/l]*	*0.0001645[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	32924.40000	9853.200000	9132.220000	6057.860000	4563.230000	4214.460000	41343.10000
Int RSD	*0.3928545*	*0.3448057*	*0.4227822*	*0.6577636*	*0.4807056*	*0.8731747*	*0.9615534*
Int SD	*129.3450000*	*33.9744000*	*38.6094000*	*39.8464000*	*21.9357000*	*36.7996000*	*397.5360000*
RelInt Mean	0.0001456	0.0001007	-0.0001128	0.0000003	0.0000136	0.0000941	0.0003180
RelInt RSD	*13.2764967*	*32.0220592*	*36.4323088*	*3846.362900*	*60.4013307*	*27.6749761*	*3.8763863*
RelInt SD	*0.0000193*	*0.0000323*	*0.0000411*	*0.0000133*	*0.0000082*	*0.0000261*	*0.0000123*
Conc Mean	0.0050767[mg/l]	<0.0000460[mg/l]	<-0.0010682[mg/l]	<0.0016635[mg/l]	<0.0009925[mg/l]	<0.0005607[mg/l]	<-0.0000416[mg/l]
Conc RSD	*13.2764659*	*536.1488080*	*122.5214851*	*36.2712802*	*53.6380555*	*86.6919325*	*29.4415804*
Conc SD	*0.0006740[mg/l]*	*0.0002466[mg/l]*	*0.0013088[mg/l]*	*0.0006034[mg/l]*	*0.0005323[mg/l]*	*0.0004861[mg/l]*	*0.0000122[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	66631.00000	4059.920000	17159.40000	1633820	26536300	20369700	6411.500000
Int RSD	*0.9393676*	*0.9175772*	*0.0748400*	*0.3734291*	*0.6776943*	*0.2388990*	*0.3188599*
Int SD	*625.9100000*	*37.2529000*	*12.8421000*	*6101.160000*	*179835*	*48663.00000*	*20.4437000*
RelInt Mean	0.0000245	-0.0000437	0.0000877	---	---	---	0.0004103
RelInt RSD	*39.8317153*	*28.3601071*	*9.8401242*	---	---	---	*7.5085360*
RelInt SD	*0.0000098*	*0.0000124*	*0.0000086*	---	---	---	*0.0000308*
Conc Mean	<0.0002312[mg/l]	<-0.0018783[mg/l]	<-0.0000488[mg/l]	1622420	26443300	20313000	<-0.0005344[mg/l]
Conc RSD	*36.6884372*	*40.6308330*	*2789.654587*	---	---	---	*19.2169786*
Conc SD	*0.0000848[mg/l]*	*0.0007632[mg/l]*	*0.0013627[mg/l]*	*6095.940000*	*179789*	*48304.00000*	*0.0001027[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25871.80000	25962.00000	15217.20000	4805.240000	9133.680000	5145.840000	
Int RSD	*0.5536028*	*1.4690163*	*1.0481823*	*0.8874042*	*0.8924869*	*1.0269480*	
Int SD	*143.2270000*	*381.3860000*	*159.5040000*	*42.6419000*	*81.5169000*	*52.8451000*	
RelInt Mean	-0.0007767	0.0000217	0.0033289	0.0001766	0.0000758	-0.0001689	
RelInt RSD	*1.5830198*	*24.1362065*	*2.0229027*	*19.0257979*	*23.2608027*	*19.6530129*	
RelInt SD	*0.0000123*	*0.0000052*	*0.0000673*	*0.0000336*	*0.0000176*	*0.0000332*	
Conc Mean	<-0.0000069[mg/l]	<-0.0000049[mg/l]	0.0370525[mg/l]	<-0.0012098[mg/l]	<0.0000828[mg/l]	<0.0006475[mg/l]	
Conc RSD	*440.5782950*	*254.3255319*	*2.7083733*	*74.2367207*	*67.0319636*	*415.8618762*	
Conc SD	*0.0000302[mg/l]*	*0.0000124[mg/l]*	*0.0010035[mg/l]*	*0.0008981[mg/l]*	*0.0000555[mg/l]*	*0.0026926[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06	Run Name:	S21125	IDF:	1.0
Seqnum:	484267005015	File:	met06_master011	Time:	03-JUL-2024 12:23
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.001621]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.6	mg/l	91	
Aluminum	R	400.0	364.8	mg/l	91	
Calcium	R	400.0	254.8	mg/l	64	
Magnesium	R	400.0	389.2	mg/l	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25628500	-6.64
Yttrium	A	1649040	1538520	-6.70
Yttrium	R	20233300	19247000	-4.87

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: S21125			Sample Type: Unknown Sample
Measure Date: 2024-07-03 12:23:38	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	63294.30000	104735000	13035.30000	17760.70000	13289.70000	134908000	11611.70000
Int RSD	*1.0088191*	*0.2198692*	*1.9146702*	*0.5849488*	*0.8862051*	*0.0399724*	*0.8903434*
Int SD	*638.5250000*	*230280*	*249.5830000*	*103.8910000*	*117.7740000*	*53925.90000*	*103.3840000*
RelInt Mean	0.0000239	5.4284500	0.0000050	0.0029449	0.0010763	7.0263500	0.0002736
RelInt RSD	*13.5902595*	*0.1665881*	*2794.641792*	*1.1833642*	*5.3163919*	*0.3337793*	*20.9383396*
RelInt SD	*0.0000032*	*0.0090431*	*0.0001405*	*0.0000348*	*0.0000572*	*0.0234525*	*0.0000573*
Conc Mean	<-0.0003612[mg/l]	>364.7520000[mg/l]	<0.0047022[mg/l]	0.0189058[mg/l]	0.0025362[mg/l]	>254.7930000[mg/l]	<0.0013965[mg/l]
Conc RSD	*32.1590440*	*0.1665669*	*149.8647442*	*2.0323869*	*6.0878788*	*0.3338471*	*21.0297393*
Conc SD	*0.0001162[mg/l]*	*0.6075560[mg/l]*	*0.0070469[mg/l]*	*0.0003842[mg/l]*	*0.0001544[mg/l]*	*0.8506190[mg/l]*	*0.0002937[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	11664.40000	63641.50000	65996700	9846.040000	24582500	25734.90000	19836.40000
Int RSD	*0.3520670*	*0.9384835*	*0.0789352*	*2.7337386*	*0.4992169*	*1.1436532*	*0.5509467*
Int SD	*41.0665000*	*597.2650000*	*52094.60000*	*269.1650000*	*122720*	*294.3180000*	*109.2880000*
RelInt Mean	-0.0006290	0.0002007	43.2829000	0.0000815	1.2749900	0.0050732	-0.0003249
RelInt RSD	*7.9570361*	*6.9356478*	*0.6887847*	*4.5347165*	*0.1751975*	*2.0311518*	*26.1468480*
RelInt SD	*0.0000500*	*0.0000139*	*0.2981260*	*0.0000037*	*0.0022338*	*0.0001030*	*0.0000850*
Conc Mean	<-0.0038444[mg/l]	0.0028228[mg/l]	>145.5530000[mg/l]	0.0117184[mg/l]	>389.2020000[mg/l]	0.0029495[mg/l]	<-0.0026234[mg/l]
Conc RSD	*7.8677148*	*15.6390618*	*0.6888213*	*7.3104434*	*0.1752049*	*2.2118718*	*23.6621318*
Conc SD	*0.0003025[mg/l]*	*0.0004415[mg/l]*	*1.0026000[mg/l]*	*0.0008567[mg/l]*	*0.6819010[mg/l]*	*0.0000652[mg/l]*	*0.0006207[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	98138.10000	12088.60000	26339.10000	23162.30000	15435.10000	12781.80000	505232
Int RSD	*0.8494367*	*0.7720191*	*0.3422691*	*0.4379185*	*0.8378631*	*0.9976373*	*0.1266854*
Int SD	*833.6210000*	*93.3263000*	*90.1506000*	*101.4320000*	*129.3250000*	*127.5160000*	*640.0550000*
RelInt Mean	0.0031098	-0.0000302	0.0031873	0.0000915	-0.0001842	-0.0000939	0.0238066
RelInt RSD	*1.8183446*	*104.9836804*	*3.6597916*	*64.4968933*	*47.9045495*	*65.4974223*	*0.4870834*
RelInt SD	*0.0000565*	*0.0000317*	*0.0001167*	*0.0000590*	*0.0000883*	*0.0000615*	*0.0001160*
Conc Mean	0.1084150[mg/l]	<-0.0009550[mg/l]	<-0.0016212[mg/l]	0.0058199[mg/l]	<-0.0118396[mg/l]	<-0.0029475[mg/l]	0.0232878[mg/l]
Conc RSD	*1.8186782*	*25.3677768*	*223.7057506*	*45.9502741*	*48.3541674*	*38.9277160*	*0.4946925*
Conc SD	*0.0019717[mg/l]*	*0.0002423[mg/l]*	*0.0036267[mg/l]*	*0.0026743[mg/l]*	*0.0057249[mg/l]*	*0.0011474[mg/l]*	*0.0001152[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	78124.00000	13267.40000	20425.80000	1538520	25628500	19247000	23133.40000
Int RSD	*1.3055143*	*0.5922328*	*1.7874159*	*0.7370655*	*0.3731822*	*0.3524653*	*0.5835675*
Int SD	*1019.920000*	*78.5739000*	*365.0940000*	*11339.90000*	*95641.00000*	*67839.00000*	*134.9990000*
RelInt Mean	0.0002510	-0.0000104	0.0000662	---	---	---	0.0009382
RelInt RSD	*6.3544123*	*574.2647341*	*10.5370557*	---	---	---	*12.7507672*
RelInt SD	*0.0000160*	*0.0000598*	*0.0000070*	---	---	---	*0.0001196*
Conc Mean	0.0021970[mg/l]	<0.0001743[mg/l]	<-0.0034398[mg/l]	1524340	25517500	19174600	<0.0012285[mg/l]
Conc RSD	*6.3016168*	*2112.680987*	*32.0231758*	---	---	---	*32.4949736*
Conc SD	*0.0001384[mg/l]*	*0.0036814[mg/l]*	*0.0011015[mg/l]*	*11405.00000*	*95787.10000*	*68244.00000*	*0.0003992[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	32187.90000	31060.80000	15762.60000	11068.40000	11817.30000	13528.70000	
Int RSD	*1.5118134*	*2.1482576*	*0.3725775*	*0.6970601*	*0.4348641*	*0.4390607*	
Int SD	*486.6210000*	*667.2660000*	*58.7279000*	*77.1534000*	*51.3892000*	*59.3992000*	
RelInt Mean	-0.0008051	0.0001481	0.0011814	0.0002699	-0.0004861	0.0003786	
RelInt RSD	*3.7112709*	*6.3781539*	*4.2158147*	*7.6416062*	*14.4891556*	*14.1228218*	
RelInt SD	*0.0000299*	*0.0000094*	*0.0000498*	*0.0000206*	*0.0000704*	*0.0000535*	
Conc Mean	<-0.0000766[mg/l]	0.0002954[mg/l]	0.0052430[mg/l]	<0.0012861[mg/l]	<-0.0017734[mg/l]	0.0450559[mg/l]	
Conc RSD	*95.9100832*	*7.5965439*	*13.8426737*	*42.8782259*	*12.9396872*	*9.6252655*	
Conc SD	*0.0000735[mg/l]*	*0.0000224[mg/l]*	*0.0007258[mg/l]*	*0.0005514[mg/l]*	*0.0002295[mg/l]*	*0.0043368[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06	Run Name:	S21126	IDF:	1.0
Seqnum:	484267005016	File:	met06_master011	Time:	03-JUL-2024 12:26
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.060	mg/l	6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25880700	-5.72
Yttrium	A	1649040	1546390	-6.22
Yttrium	R	20233300	19044700	-5.87

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: S21126			Sample Type: Unknown Sample
Measure Date: 2024-07-03 12:26:58	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	789478	104512000	13111.60000	17257.80000	316314	134911000	161358
Int RSD	*1.2968949*	*0.4683644*	*0.2935103*	*1.2827359*	*1.2228482*	*0.0357971*	*1.1193061*
Int SD	*10238.70000*	*489497*	*38.4839000*	*221.3720000*	*3868.040000*	*48294.20000*	*1806.090000*
RelInt Mean	0.0281185	5.4748300	0.0000050	0.0026137	0.1986640	7.1018900	0.0977284
RelInt RSD	*1.8896243*	*0.1994984*	*1196.558659*	*2.0128360*	*0.6555038*	*0.6740107*	*0.7410589*
RelInt SD	*0.0005313*	*0.0109222*	*0.0000602*	*0.0000526*	*0.0013023*	*0.0478675*	*0.0007242*
Conc Mean	1.0041300[mg/l]	>367.8680000[mg/l]	<0.0042631[mg/l]	0.0152549[mg/l]	0.5284990[mg/l]	>257.5330000[mg/l]	0.5013600[mg/l]
Conc RSD	*1.8919463*	*0.1994107*	*70.8312124*	*3.8025552*	*0.6549700*	*0.6743175*	*0.7410902*
Conc SD	*0.0189976[mg/l]*	*0.7335680[mg/l]*	*0.0030196[mg/l]*	*0.0005801[mg/l]*	*0.0034615[mg/l]*	*1.7365900[mg/l]*	*0.0037155[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	137973	487402	66473300	9650.920000	24501000	1286790	19882.20000
Int RSD	*0.5557819*	*1.1681589*	*0.4269082*	*6.5506294*	*0.5748745*	*0.8068838*	*1.1244480*
Int SD	*766.8290000*	*5693.630000*	*283780*	*632.1960000*	*140850*	*10382.90000*	*223.5650000*
RelInt Mean	0.0816802	0.0165857	43.3734000	0.0000825	1.2843300	0.8280910	-0.0003623
RelInt RSD	*0.2031104*	*1.7894512*	*0.8461592*	*10.3296453*	*0.0770843*	*0.1763429*	*58.1889496*
RelInt SD	*0.0001659*	*0.0002968*	*0.3670080*	*0.0000085*	*0.0009900*	*0.0014603*	*0.0002108*
Conc Mean	0.4935840[mg/l]	0.5224360[mg/l]	>145.8580000[mg/l]	0.0119419[mg/l]	>392.0520000[mg/l]	0.5240260[mg/l]	<-0.0028964[mg/l]
Conc RSD	*0.2031670*	*1.8014666*	*0.8462066*	*16.5343036*	*0.0769038*	*0.1763846*	*53.1810068*
Conc SD	*0.0010028[mg/l]*	*0.0094115[mg/l]*	*1.2342600[mg/l]*	*0.0019745[mg/l]*	*0.3015030[mg/l]*	*0.0009243[mg/l]*	*0.0015403[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	98600.00000	216734	77659.90000	23228.50000	15493.70000	12961.50000	503733
Int RSD	*0.3589148*	*1.1000904*	*0.3669500*	*0.3034139*	*0.8775244*	*1.8482583*	*0.2901736*
Int SD	*353.8900000*	*2384.270000*	*284.9730000*	*70.4785000*	*135.9610000*	*239.5620000*	*1461.700000*
RelInt Mean	0.0031852	0.1333420	0.0365448	0.0000560	-0.0002240	-0.0000545	0.0240090
RelInt RSD	*1.5932789*	*0.6476579*	*0.4319383*	*255.4319980*	*37.5160950*	*254.0932597*	*0.4625057*
RelInt SD	*0.0000507*	*0.0008636*	*0.0001579*	*0.0001431*	*0.0000840*	*0.0001384*	*0.0001110*
Conc Mean	0.1110430[mg/l]	1.0188900[mg/l]	1.0603000[mg/l]	<0.0012934[mg/l]	<-0.0144174[mg/l]	<-0.0022120[mg/l]	0.0234888[mg/l]
Conc RSD	*1.5932657*	*0.6484704*	*0.4544091*	*501.7411339*	*37.8050134*	*116.7411855*	*0.4695259*
Conc SD	*0.0017692[mg/l]*	*0.0066072[mg/l]*	*0.0048181[mg/l]*	*0.0064896[mg/l]*	*0.0054505[mg/l]*	*0.0025823[mg/l]*	*0.0001103[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	79407.20000	13553.30000	100234	1546390	25880700	19044700	511694
Int RSD	*0.7367518*	*0.4552198*	*1.4557735*	*0.7647165*	*0.7685534*	*0.6490100*	*0.3700786*
Int SD	*585.0340000*	*61.6973000*	*1459.180000*	*11825.50000*	*198907*	*123602*	*1893.670000*
RelInt Mean	0.0002901	0.0000675	0.0031446	---	---	---	0.3195590
RelInt RSD	*8.6865654*	*23.3297517*	*1.9262007*	---	---	---	*0.4157041*
RelInt SD	*0.0000252*	*0.0000157*	*0.0000606*	---	---	---	*0.0013284*
Conc Mean	0.0025361[mg/l]	0.0049660[mg/l]	0.4826580[mg/l]	1532150	25769300	18971300	1.0638900[mg/l]
Conc RSD	*8.6238876*	*19.5170943*	*1.9817179*	---	---	---	*0.4162319*
Conc SD	*0.0002187[mg/l]*	*0.0009692[mg/l]*	*0.0095649[mg/l]*	*11913.60000*	*198562*	*123673*	*0.0044282[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3860860	30843.80000	15714.00000	11476.90000	503516	13363.10000	
Int RSD	*0.4912584*	*3.5909972*	*1.3229795*	*0.9295716*	*1.4178318*	*0.2312233*	
Int SD	*18966.80000*	*1107.600000*	*207.8930000*	*106.6860000*	*7139.010000*	*30.8986000*	
RelInt Mean	0.2006000	0.0001590	0.0012043	0.0005072	0.3198670	0.0002689	
RelInt RSD	*1.0145115*	*6.6371609*	*2.6041651*	*3.7508528*	*0.7409267*	*1.9861966*	
RelInt SD	*0.0020351*	*0.0000105*	*0.0000314*	*0.0000190*	*0.0023700*	*0.0000053*	
Conc Mean	0.4950900[mg/l]	0.0003211[mg/l]	0.0055886[mg/l]	0.0076291[mg/l]	1.0484800[mg/l]	0.0361571[mg/l]	
Conc RSD	*1.0107011*	*7.8030718*	*8.8956925*	*6.6664875*	*0.7421229*	*1.1980773*	
Conc SD	*0.0050039[mg/l]*	*0.0000251[mg/l]*	*0.0004971[mg/l]*	*0.0005086[mg/l]*	*0.0077810[mg/l]*	*0.0004332[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 511385 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005021	File:	met06_master011	Time:	03-JUL-2024 12:47
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21056, 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	1.081	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	28537300	3.95
Yttrium	A	1649040	1733420	5.12
Yttrium	R	20233300	21619100	6.85

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S21056 | Sample Type: Control Sample

Measure Date: 2024-07-03 12:47:52 | 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	430919	431337	39628.00000	167038	671893	29178300	362792
Int RSD	*1.7705694*	*0.1804867*	*0.5501060*	*0.2868359*	*0.2479502*	*0.7873351*	*0.1549185*
Int SD	*7629.720000*	*778.5060000*	*217.9960000*	*479.1250000*	*1665.960000*	*229731*	*562.0320000*
RelInt Mean	0.0129775	0.0139721	0.0203567	0.0913452	0.3844590	1.3510800	0.2050850
RelInt RSD	*2.4968831*	*0.6176480*	*0.5253160*	*0.5581957*	*0.4948096*	*0.6230912*	*0.4307243*
RelInt SD	*0.0003240*	*0.0000863*	*0.0001069*	*0.0005099*	*0.0019023*	*0.0084185*	*0.0008834*
Conc Mean	0.4627800[mg/l]	0.9369260[mg/l]	1.0245600[mg/l]	0.9936470[mg/l]	1.0193800[mg/l]	48.9172000[mg/l]	1.0504000[mg/l]
Conc RSD	*2.5035006*	*0.6190553*	*0.5236482*	*0.5656898*	*0.4950892*	*0.6243673*	*0.4284568*
Conc SD	*0.0115857[mg/l]*	*0.0058001[mg/l]*	*0.0053651[mg/l]*	*0.0056210[mg/l]*	*0.0050468[mg/l]*	*0.3054230[mg/l]*	*0.0045005[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	291228	936142	555079	4972790	3522100	2787300	242329
Int RSD	*0.4470106*	*1.2095387*	*0.4027679*	*0.6896048*	*0.5953920*	*0.5918487*	*0.3789943*
Int SD	*1301.820000*	*11323.00000*	*2235.680000*	*34292.60000*	*20970.30000*	*16496.60000*	*918.4130000*
RelInt Mean	0.1633630	0.0308504	0.3152450	0.2291370	0.1607810	1.6119700	0.1373230
RelInt RSD	*0.4542369*	*2.0176529*	*0.4485971*	*1.3590952*	*0.4211549*	*0.2172522*	*0.5035595*
RelInt SD	*0.0007421*	*0.0006225*	*0.0014142*	*0.0031142*	*0.0006771*	*0.0035020*	*0.0006915*
Conc Mean	0.9872270[mg/l]	0.9748080[mg/l]	1.0555700[mg/l]	53.0760000[mg/l]	48.9114000[mg/l]	1.0203300[mg/l]	1.0031300[mg/l]
Conc RSD	*0.4542805*	*2.0250552*	*0.4506930*	*1.3591680*	*0.4231161*	*0.2171268*	*0.5034253*
Conc SD	*0.0044848[mg/l]*	*0.0197404[mg/l]*	*0.0047574[mg/l]*	*0.7213920[mg/l]*	*0.2069520[mg/l]*	*0.0022154[mg/l]*	*0.0050500[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	29102700	244147	68029.90000	44637.10000	32125.20000	468890	24237900
Int RSD	*0.2286915*	*0.3824135*	*0.3375281*	*0.9688465*	*0.2113724*	*0.0428326*	*0.3169528*
Int SD	*66555.40000*	*933.6510000*	*229.6200000*	*432.4650000*	*67.9038000*	*200.8380000*	*76822.70000*
RelInt Mean	1.3416300	0.1358270	0.0338540	0.0221902	0.0158462	0.2697740	1.1220900
RelInt RSD	*1.1175436*	*0.5629993*	*0.2427424*	*1.4530649*	*0.2972662*	*0.3304258*	*0.8420358*
RelInt SD	*0.0149933*	*0.0007647*	*0.0000822*	*0.0003224*	*0.0000471*	*0.0008914*	*0.0094484*
Conc Mean	46.7726000[mg/l]	1.0378800[mg/l]	1.0808100[mg/l]	1.0022900[mg/l]	1.0279700[mg/l]	5.0317700[mg/l]	1.1141300[mg/l]
Conc RSD	*1.1174427*	*0.5633532*	*0.2421961*	*1.4595975*	*0.2977237*	*0.3306073*	*0.8425704*
Conc SD	*0.5226570[mg/l]*	*0.0058469[mg/l]*	*0.0026177[mg/l]*	*0.0146294[mg/l]*	*0.0030605[mg/l]*	*0.0166354[mg/l]*	*0.0093873[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	3363680	33841.00000	193062	1733420	28537300	21619100	575236
Int RSD	*1.2802407*	*0.3000709*	*1.9217194*	*0.3719329*	*1.0218206*	*0.8964434*	*0.0458415*
Int SD	*43063.20000*	*101.5470000*	*3710.110000*	*6447.160000*	*291600*	*193803*	*263.6970000*
RelInt Mean	0.1157040	0.0169879	0.0062381	---	---	---	0.3304570
RelInt RSD	*2.0222291*	*0.6777236*	*2.8654306*	---	---	---	*0.4159876*
RelInt SD	*0.0023398*	*0.0001151*	*0.0001787*	---	---	---	*0.0013747*
Conc Mean	1.0042500[mg/l]	1.0407000[mg/l]	0.9707470[mg/l]	1721650	28443000	21561600	1.0999900[mg/l]
Conc RSD	*2.0219567*	*0.6760834*	*2.9073075*	---	---	---	*0.4165029*
Conc SD	*0.0203055[mg/l]*	*0.0070360[mg/l]*	*0.0282226[mg/l]*	*6464.090000*	*291437*	*193166*	*0.0045815[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8560080	9661680	652630	343169	536418	121094	
Int RSD	*0.6238622*	*0.4770061*	*0.4736068*	*0.1992083*	*0.3064345*	*0.1251012*	
Int SD	*53403.10000*	*46086.80000*	*3090.900000*	*683.6210000*	*1643.770000*	*151.4900000*	
RelInt Mean	0.3942890	0.4427820	0.3727490	0.1963150	0.3056810	0.0669331	
RelInt RSD	*0.4622878*	*1.3730820*	*0.5591940*	*0.4719018*	*0.4823656*	*0.3436730*	
RelInt SD	*0.0018227*	*0.0060798*	*0.0020844*	*0.0009264*	*0.0014745*	*0.0002300*	
Conc Mean	0.9712850[mg/l]	1.0516000[mg/l]	5.4995900[mg/l]	5.2425100[mg/l]	0.9982580[mg/l]	5.4425200[mg/l]	
Conc RSD	*0.4614197*	*1.3732788*	*0.5608600*	*0.4726534*	*0.4855649*	*0.3428485*	
Conc SD	*0.0044817[mg/l]*	*0.0144414[mg/l]*	*0.0308450[mg/l]*	*0.0247789[mg/l]*	*0.0048472[mg/l]*	*0.0186596[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005022	File:	met06_master011	Time:	03-JUL-2024 12:51
Cal:	484267005001	Caldate:	03-JUL-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	27451800	30255000	10.21
Yttrium	A	1649040	1828270	10.87
Yttrium	R	20233300	23103800	14.19

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-07-03 12:51:09	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	61952.70000	37789.40000	4107.500000	12606.40000	9724.700000	88281.20000	9003.520000
Int RSD	*0.5727838*	*1.8318603*	*0.8626829*	*0.4396862*	*0.5659424*	*0.8916995*	*0.9111236*
Int SD	*354.8550000*	*692.2490000*	*35.4347000*	*55.4286000*	*55.0362000*	*787.2030000*	*82.0332000*
RelInt Mean	0.0000389	0.0000353	-0.0000539	0.0018253	0.0001639	0.0027491	0.0000080
RelInt RSD	*23.2218385*	*31.0087060*	*35.8828317*	*1.1132368*	*12.7384315*	*0.9946056*	*401.2989434*
RelInt SD	*0.0000090*	*0.0000110*	*0.0000194*	*0.0000203*	*0.0000209*	*0.0000273*	*0.0000323*
Conc Mean	<0.0001767[mg/l]	<0.0004743[mg/l]	<0.0017414[mg/l]	0.0065611[mg/l]	<0.0000905[mg/l]	0.0051791[mg/l]	<0.0000366[mg/l]
Conc RSD	*182.9764963*	*155.2692226*	*55.7474948*	*3.4149661*	*62.6167822*	*19.1502561*	*453.5423640*
Conc SD	*0.0003234[mg/l]*	*0.0007364[mg/l]*	*0.0009708[mg/l]*	*0.0002241[mg/l]*	*0.0000567[mg/l]*	*0.0009918[mg/l]*	*0.0001659[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	9228.030000	58255.20000	14039.70000	8704.100000	56172.20000	11727.20000	6033.650000
Int RSD	*0.1534065*	*0.6916361*	*0.5720656*	*2.9355246*	*1.3680094*	*0.5962958*	*1.4913908*
Int SD	*14.1564000*	*402.9140000*	*80.3163000*	*255.5110000*	*768.4410000*	*69.9288000*	*89.9853000*
RelInt Mean	0.0000322	0.0001087	0.0013281	0.0000405	0.0005999	0.0003479	0.0003132
RelInt RSD	*49.3539691*	*9.6725443*	*6.4996574*	*11.3970693*	*2.5891890*	*16.1413704*	*20.3609307*
RelInt SD	*0.0000159*	*0.0000105*	*0.0000863*	*0.0000046*	*0.0000155*	*0.0000562*	*0.0000638*
Conc Mean	<0.0001517[mg/l]	<-0.0000945[mg/l]	<-0.0001205[mg/l]	<0.0022182[mg/l]	<-0.0092001[mg/l]	<-0.0000422[mg/l]	0.0020393[mg/l]
Conc RSD	*63.4005275*	*352.9714975*	*240.8688510*	*48.2504147*	*51.5612874*	*84.2546365*	*22.8499345*
Conc SD	*0.0000961[mg/l]*	*0.0003335[mg/l]*	*0.0002903[mg/l]*	*0.0010703[mg/l]*	*0.0047437[mg/l]*	*0.0000356[mg/l]*	*0.0004660[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	33544.70000	9804.080000	9142.890000	6061.350000	4601.790000	4306.270000	40772.90000
Int RSD	*1.2383148*	*0.3559661*	*0.6017474*	*0.2204162*	*0.6212669*	*1.1387651*	*1.0902315*
Int SD	*415.3890000*	*34.8992000*	*55.0171000*	*13.3602000*	*28.5894000*	*49.0383000*	*444.5190000*
RelInt Mean	0.0001786	0.0000799	-0.0001065	-0.0000174	0.0000045	0.0001277	0.0002803
RelInt RSD	*5.2458712*	*50.6328116*	*16.2089037*	*135.1199609*	*172.2129384*	*16.9790900*	*1.2605872*
RelInt SD	*0.0000094*	*0.0000405*	*0.0000173*	*0.0000235*	*0.0000078*	*0.0000217*	*0.0000035*
Conc Mean	0.0062272[mg/l]	<-0.0001134[mg/l]	<-0.0008695[mg/l]	<0.0008581[mg/l]	<0.0004057[mg/l]	<0.0011865[mg/l]	<-0.0000791[mg/l]
Conc RSD	*5.2458324*	*272.8697079*	*63.2491018*	*124.2064269*	*125.0455340*	*34.0891009*	*4.4365111*
Conc SD	*0.0003267[mg/l]*	*0.0003093[mg/l]*	*0.0005500[mg/l]*	*0.0010659[mg/l]*	*0.0005074[mg/l]*	*0.0004045[mg/l]*	*0.0000035[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	68676.80000	4109.880000	17031.00000	1828270	30255000	23103800	6462.900000
Int RSD	*1.0119837*	*0.4242314*	*0.5938172*	*0.2387902*	*0.8829681*	*0.4184095*	*1.0338873*
Int SD	*694.9980000*	*17.4354000*	*101.1330000*	*4365.730000*	*267142*	*96668.50000*	*66.8191000*
RelInt Mean	0.0000938	-0.0000328	0.0000759	---	---	---	0.0003707
RelInt RSD	*17.2822350*	*59.9036806*	*6.4070381*	---	---	---	*8.5737332*
RelInt SD	*0.0000162*	*0.0000197*	*0.0000049*	---	---	---	*0.0000318*
Conc Mean	0.0008327[mg/l]	<-0.0012121[mg/l]	<-0.0019069[mg/l]	1816690	30161600	23047000	<-0.0006666[mg/l]
Conc RSD	*16.9035498*	*99.6435967*	*40.2828076*	---	---	---	*15.9062885*
Conc SD	*0.0001408[mg/l]*	*0.0012078[mg/l]*	*0.0007682[mg/l]*	*4403.010000*	*266822*	*96811.00000*	*0.0001060[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25566.30000	25496.40000	15827.30000	4785.610000	9137.700000	5530.400000	
Int RSD	*1.1857562*	*1.2765920*	*0.3098305*	*2.9328759*	*0.4278079*	*0.6823195*	
Int SD	*303.1540000*	*325.4850000*	*49.0378000*	*140.3560000*	*39.0918000*	*37.7350000*	
RelInt Mean	-0.0007114	0.0000182	0.0033277	0.0001308	0.0000842	0.0000692	
RelInt RSD	*4.1955503*	*6.9903527*	*1.7824868*	*56.4722209*	*21.0509691*	*46.6025786*	
RelInt SD	*0.0000298*	*0.0000013*	*0.0000593*	*0.0000739*	*0.0000177*	*0.0000323*	
Conc Mean	<0.0001537[mg/l]	<-0.0000133[mg/l]	0.0370051[mg/l]	<-0.0024338[mg/l]	<0.0001069[mg/l]	0.0199608[mg/l]	
Conc RSD	*47.7491980*	*22.6965954*	*2.3929945*	*81.1293543*	*56.5744585*	*13.1036331*	
Conc SD	*0.0000734[mg/l]*	*0.0000030[mg/l]*	*0.0008855[mg/l]*	*0.0019745[mg/l]*	*0.0000605[mg/l]*	*0.0026156[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 511385 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005033	File:	met06_master011	Time:	03-JUL-2024 14:24
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21056, 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	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	31198400	13.65
Yttrium	A	1649040	1886130	14.38
Yttrium	R	20233300	23519500	16.24

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S21056			Sample Type: Control Sample
Measure Date: 2024-07-03 14:24:02	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	468725	455630	42520.40000	178049	724218	31048300	392532
Int RSD	*1.2122567*	*0.5197968*	*0.3629834*	*0.3396166*	*0.1721650*	*0.2172982*	*0.2570236*
Int SD	*5682.150000*	*2368.350000*	*154.3420000*	*604.6840000*	*1246.850000*	*67467.40000*	*1008.900000*
RelInt Mean	0.0129825	0.0137200	0.0200988	0.0894864	0.3808690	1.3213800	0.2039970
RelInt RSD	*1.2159676*	*0.4793659*	*1.0697504*	*0.6141917*	*0.6753818*	*0.6686381*	*0.5709888*
RelInt SD	*0.0001579*	*0.0000658*	*0.0002150*	*0.0005496*	*0.0025723*	*0.0088353*	*0.0011648*
Conc Mean	0.4629590[mg/l]	0.9199880[mg/l]	1.0116300[mg/l]	0.9731530[mg/l]	1.0098200[mg/l]	47.8398000[mg/l]	1.0448100[mg/l]
Conc RSD	*1.2194708*	*0.4803193*	*1.0658541*	*0.6227037*	*0.6752669*	*0.6698586*	*0.5696873*
Conc SD	*0.0056456[mg/l]*	*0.0044189[mg/l]*	*0.0107825[mg/l]*	*0.0060599[mg/l]*	*0.0068190[mg/l]*	*0.3204590[mg/l]*	*0.0059521[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	313542	1021010	599277	5202560	3805570	2994290	264149
Int RSD	*0.1892550*	*1.6068599*	*0.1754931*	*0.4753006*	*0.6099875*	*0.9847877*	*0.5694892*
Int SD	*593.3940000*	*16406.20000*	*1051.690000*	*24727.80000*	*23213.50000*	*29487.40000*	*1504.300000*
RelInt Mean	0.1617170	0.0308499	0.3128750	0.2203350	0.1597430	1.5913100	0.1376750
RelInt RSD	*0.5818430*	*1.5627668*	*0.6918674*	*0.9892754*	*0.6718792*	*0.2889544*	*0.8529798*
RelInt SD	*0.0009409*	*0.0004821*	*0.0021647*	*0.0021797*	*0.0010733*	*0.0045982*	*0.0011743*
Conc Mean	0.9772820[mg/l]	0.9747930[mg/l]	1.0475900[mg/l]	51.0369000[mg/l]	48.5945000[mg/l]	1.0072500[mg/l]	1.0057000[mg/l]
Conc RSD	*0.5817840*	*1.5684971*	*0.6952338*	*0.9894037*	*0.6745352*	*0.2893304*	*0.8535488*
Conc SD	*0.0056857[mg/l]*	*0.0152896[mg/l]*	*0.0072832[mg/l]*	*0.5049610[mg/l]*	*0.3277870[mg/l]*	*0.0029143[mg/l]*	*0.0085841[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	30524600	265429	74233.50000	47754.10000	34679.10000	511710	26130000
Int RSD	*0.0838914*	*0.1898994*	*0.3042063*	*0.6171700*	*0.2797823*	*0.0290432*	*0.2709916*
Int SD	*25607.50000*	*504.0480000*	*225.8230000*	*294.7240000*	*97.0260000*	*148.6170000*	*70810.10000*
RelInt Mean	1.2934200	0.1358140	0.0340491	0.0218246	0.0157545	0.2706180	1.1118700
RelInt RSD	*0.7583213*	*0.5798644*	*0.9819702*	*0.3116465*	*0.6992605*	*0.8124367*	*1.1156700*
RelInt SD	*0.0098083*	*0.0007875*	*0.0003344*	*0.0000680*	*0.0001102*	*0.0021986*	*0.0124048*
Conc Mean	45.0917000[mg/l]	1.0377900[mg/l]	1.0870400[mg/l]	0.9857710[mg/l]	1.0220200[mg/l]	5.0475300[mg/l]	1.1039700[mg/l]
Conc RSD	*0.7582482*	*0.5802686*	*0.9797984*	*0.3113543*	*0.6992769*	*0.8126113*	*1.1163347*
Conc SD	*0.3419070[mg/l]*	*0.0060220[mg/l]*	*0.0106508[mg/l]*	*0.0030692[mg/l]*	*0.0071468[mg/l]*	*0.0410168[mg/l]*	*0.0123240[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	3699050	35626.60000	211723	1886130	31198400	23519500	631849
Int RSD	*1.6896798*	*0.3274042*	*1.2072850*	*0.7795592*	*0.1660893*	*0.8437127*	*0.0886299*
Int SD	*62502.10000*	*116.6430000*	*2556.100000*	*14703.50000*	*51817.20000*	*198437*	*560.0070000*
RelInt Mean	0.1164650	0.0164062	0.0062738	---	---	---	0.3336780
RelInt RSD	*1.5716739*	*0.3591990*	*1.2473055*	---	---	---	*0.7111407*
RelInt SD	*0.0018305*	*0.0000589*	*0.0000783*	---	---	---	*0.0023729*
Conc Mean	1.0108500[mg/l]	1.0048900[mg/l]	0.9763830[mg/l]	1873580	31099900	23459700	1.1107500[mg/l]
Conc RSD	*1.5718059*	*0.3548727*	*1.2652207*	---	---	---	*0.7124519*
Conc SD	*0.0158886[mg/l]*	*0.0035661[mg/l]*	*0.0123534[mg/l]*	*14731.10000*	*52194.00000*	*198274*	*0.0079136[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9212270	10146200	706231	370508	578554	132713	
Int RSD	*0.3074704*	*0.4620370*	*0.2466261*	*0.1414517*	*0.3843582*	*0.2518171*	
Int SD	*28325.00000*	*46879.20000*	*1741.750000*	*524.0900000*	*2223.720000*	*334.1940000*	
RelInt Mean	0.3901040	0.4273710	0.3706850	0.1948470	0.3030300	0.0675661	
RelInt RSD	*0.6857505*	*1.2526517*	*0.7426980*	*0.9279229*	*0.5864040*	*0.9467336*	
RelInt SD	*0.0026751*	*0.0053535*	*0.0027531*	*0.0018080*	*0.0017770*	*0.0006397*	
Conc Mean	0.9609940[mg/l]	1.0150000[mg/l]	5.4688900[mg/l]	5.2032600[mg/l]	0.9896110[mg/l]	5.4938500[mg/l]	
Conc RSD	*0.6844340*	*1.2528867*	*0.7442808*	*0.9288215*	*0.5857362*	*0.9442249*	
Conc SD	*0.0065774[mg/l]*	*0.0127168[mg/l]*	*0.0407039[mg/l]*	*0.0483290[mg/l]*	*0.0057965[mg/l]*	*0.0518743[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005034	File:	met06_master011	Time:	03-JUL-2024 14:27
Cal:	484267005001	Caldate:	03-JUL-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	27451800	32388200	17.98
Yttrium	A	1649040	1955260	18.57
Yttrium	R	20233300	24861100	22.87

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-07-03 14:27:18	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	64270.90000	39003.90000	4274.850000	12214.80000	10042.40000	97951.30000	9363.030000
Int RSD	*0.8943534*	*2.3842539*	*0.5602980*	*0.2500516*	*0.1353899*	*0.8643867*	*0.1316871*
Int SD	*574.8090000*	*929.9520000*	*23.9519000*	*30.5433000*	*13.5964000*	*846.6780000*	*12.3299000*
RelInt Mean	0.0000314	0.0000404	-0.0000740	0.0013022	0.0001205	0.0029114	-0.0000136
RelInt RSD	*17.7650804*	*38.8729508*	*28.6724324*	*2.2598292*	*11.5340966*	*1.1190127*	*174.2154393*
RelInt SD	*0.0000056*	*0.0000157*	*0.0000212*	*0.0000294*	*0.0000139*	*0.0000326*	*0.0000237*
Conc Mean	<-0.0000917[mg/l]	<0.0008140[mg/l]	<0.0007351[mg/l]	<0.0007937[mg/l]	<-0.0000257[mg/l]	0.0110647[mg/l]	<-0.0000800[mg/l]
Conc RSD	*217.7689767*	*129.6348622*	*144.7505710*	*40.8856631*	*148.1230141*	*10.6811753*	*161.7214635*
Conc SD	*0.0001997[mg/l]*	*0.0010552[mg/l]*	*0.0010641[mg/l]*	*0.0003245[mg/l]*	*0.0000381[mg/l]*	*0.0011818[mg/l]*	*0.0001293[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	9594.120000	60469.80000	14329.00000	8905.410000	57643.60000	11940.30000	6397.830000
Int RSD	*0.2309654*	*0.7957377*	*1.6734664*	*3.7533589*	*1.4307954*	*0.2983108*	*2.6725780*
Int SD	*22.1591000*	*481.1810000*	*239.7910000*	*334.2520000*	*824.7620000*	*35.6192000*	*170.9870000*
RelInt Mean	0.0000226	0.0001046	0.0011013	0.0000381	0.0005659	0.0001721	0.0003437
RelInt RSD	*91.0123721*	*6.8696367*	*11.9662947*	*12.9503448*	*1.0479051*	*21.2112390*	*22.3359270*
RelInt SD	*0.0000206*	*0.0000072*	*0.0001318*	*0.0000049*	*0.0000059*	*0.0000365*	*0.0000768*
Conc Mean	<0.0000937[mg/l]	<-0.0002236[mg/l]	<-0.0008834[mg/l]	<0.0016487[mg/l]	<-0.0195888[mg/l]	<-0.0001535[mg/l]	0.0022617[mg/l]
Conc RSD	*132.9322288*	*101.9715714*	*50.1716758*	*69.2921696*	*9.2453851*	*15.0507024*	*24.7980298*
Conc SD	*0.0001246[mg/l]*	*0.0002280[mg/l]*	*0.0004432[mg/l]*	*0.0011424[mg/l]*	*0.0018111[mg/l]*	*0.0000231[mg/l]*	*0.0005609[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	33934.60000	10219.30000	9520.620000	6380.830000	4817.960000	4489.490000	41756.30000
Int RSD	*2.1545473*	*0.3573063*	*0.4375545*	*0.3174900*	*1.2919950*	*1.6224560*	*1.4055771*
Int SD	*731.1370000*	*36.5142000*	*41.6579000*	*20.2585000*	*62.2478000*	*72.8400000*	*586.9170000*
RelInt Mean	0.0001528	0.0000833	-0.0001091	0.0000162	0.0000099	0.0001150	0.0002596
RelInt RSD	*8.6082343*	*18.5865528*	*11.8545141*	*63.7740571*	*354.8130662*	*32.1534944*	*0.9399741*
RelInt SD	*0.0000132*	*0.0000155*	*0.0000129*	*0.0000103*	*0.0000352*	*0.0000370*	*0.0000024*
Conc Mean	0.0053287[mg/l]	<-0.0000873[mg/l]	<-0.0009508[mg/l]	0.0023835[mg/l]	<0.0007549[mg/l]	<0.0009503[mg/l]	<-0.0000996[mg/l]
Conc RSD	*8.6083207*	*135.5326160*	*43.3482290*	*19.6555023*	*302.5842576*	*72.6113430*	*2.4341627*
Conc SD	*0.0004587[mg/l]*	*0.0001184[mg/l]*	*0.0004122[mg/l]*	*0.0004685[mg/l]*	*0.0022843[mg/l]*	*0.0006900[mg/l]*	*0.0000024[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	83032.50000	4317.130000	17771.20000	1955260	32388200	24861100	6863.330000
Int RSD	*22.6512510*	*0.1515057*	*1.2575628*	*0.3548705*	*0.2997437*	*0.6876003*	*0.7418673*
Int SD	*18807.90000*	*6.5407000*	*223.4840000*	*6938.640000*	*97081.60000*	*170945*	*50.9168000*
RelInt Mean	0.0004559	-0.0000366	0.0000751	---	---	---	0.0004287
RelInt RSD	*131.2232557*	*22.7572103*	*6.6508263*	---	---	---	*5.4232576*
RelInt SD	*0.0005983*	*0.0000083*	*0.0000050*	---	---	---	*0.0000233*
Conc Mean	0.0039755[mg/l]	<-0.0014540[mg/l]	<-0.0020384[mg/l]	1943230	32291500	24802800	<-0.0004729[mg/l]
Conc RSD	*130.6208024*	*34.3894689*	*38.6863652*	---	---	---	*16.4076192*
Conc SD	*0.0051928[mg/l]*	*0.0005000[mg/l]*	*0.0007886[mg/l]*	*6926.250000*	*96629.00000*	*170179*	*0.0000776[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26252.40000	26039.80000	17449.70000	5075.780000	9540.800000	5482.830000	
Int RSD	*1.3682673*	*1.3894078*	*6.6547849*	*0.2967307*	*0.1451765*	*0.7961199*	
Int SD	*359.2030000*	*361.7990000*	*1161.240000*	*15.0614000*	*13.8510000*	*43.6499000*	
RelInt Mean	-0.0006925	0.0000120	0.0037272	0.0001885	0.0000917	-0.0000722	
RelInt RSD	*2.9453287*	*37.9422074*	*16.0404163*	*11.2441387*	*23.2999823*	*37.1952605*	
RelInt SD	*0.0000204*	*0.0000046*	*0.0005979*	*0.0000212*	*0.0000214*	*0.0000268*	
Conc Mean	<0.0002003[mg/l]	<-0.0000278[mg/l]	0.0429325[mg/l]	<-0.0008901[mg/l]	<0.0001352[mg/l]	<0.0084949[mg/l]	
Conc RSD	*25.0367741*	*38.9956547*	*20.6794154*	*63.6736955*	*49.4145180*	*25.6293806*	
Conc SD	*0.0000501[mg/l]*	*0.0000108[mg/l]*	*0.0088782[mg/l]*	*0.0005667[mg/l]*	*0.0000668[mg/l]*	*0.0021772[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005041	File:	met06_master011	Time:	03-JUL-2024 14:50
Cal:	484267005001	Caldate:	03-JUL-2024		

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0345	1.000	1.102	mg/l	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	30737600	11.97
Yttrium	A	1649040	1885090	14.31
Yttrium	R	20233300	23249700	14.91

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S21056			Sample Type: Control Sample
Measure Date: 2024-07-03 14:50:25	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	465312	456250	42740.30000	177731	728166	31284600	395144
Int RSD	*0.8254419*	*0.4614444*	*0.3961998*	*0.6056344*	*0.3596872*	*0.6680028*	*0.5344254*
Int SD	*3840.880000*	*2105.340000*	*169.3370000*	*1076.400000*	*2619.120000*	*208982*	*2111.750000*
RelInt Mean	0.0130115	0.0138369	0.0201900	0.0892902	0.3831410	1.3469400	0.2054350
RelInt RSD	*1.3134842*	*0.6042697*	*0.8084943*	*1.0019297*	*0.6656479*	*0.7875555*	*0.5482172*
RelInt SD	*0.0001709*	*0.0000836*	*0.0001632*	*0.0008946*	*0.0025504*	*0.0106079*	*0.0011262*
Conc Mean	0.4639970[mg/l]	0.9278400[mg/l]	1.0162100[mg/l]	0.9709890[mg/l]	1.0158500[mg/l]	48.7669000[mg/l]	1.0521700[mg/l]
Conc RSD	*1.3166788*	*0.6055538*	*0.8052312*	*1.0159487*	*0.6645686*	*0.7892443*	*0.5485045*
Conc SD	*0.0061094[mg/l]*	*0.0056186[mg/l]*	*0.0081828[mg/l]*	*0.0098648[mg/l]*	*0.0067510[mg/l]*	*0.3848900[mg/l]*	*0.0057712[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	314739	1012650	602236	5189290	3811390	3001210	265127
Int RSD	*0.4609692*	*2.2744877*	*0.4437646*	*0.4551682*	*0.2466908*	*0.7904012*	*0.5758561*
Int SD	*1450.850000*	*23032.60000*	*2672.510000*	*23620.00000*	*9402.350000*	*23721.60000*	*1526.750000*
RelInt Mean	0.1623510	0.0310008	0.3145310	0.2223280	0.1618200	1.5959900	0.1382150
RelInt RSD	*0.7093458*	*2.8253432*	*0.8632663*	*0.5524225*	*0.6046607*	*0.3110759*	*1.0815035*
RelInt SD	*0.0011516*	*0.0008759*	*0.0027152*	*0.0012282*	*0.0009785*	*0.0049647*	*0.0014948*
Conc Mean	0.9811130[mg/l]	0.9795770[mg/l]	1.0531600[mg/l]	51.4985000[mg/l]	49.2288000[mg/l]	1.0102100[mg/l]	1.0096500[mg/l]
Conc RSD	*0.7094422*	*2.8352646*	*0.8668483*	*0.5526433*	*0.6069232*	*0.3111858*	*1.0813846*
Conc SD	*0.0069604[mg/l]*	*0.0277736[mg/l]*	*0.0091293[mg/l]*	*0.2846030[mg/l]*	*0.2987810[mg/l]*	*0.0031436[mg/l]*	*0.0109182[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	30608000	268030	75237.00000	47989.00000	34920.50000	516019	26029400
Int RSD	*0.7223177*	*0.5902697*	*0.2082699*	*0.3284711*	*0.4123767*	*0.3641378*	*0.6479250*
Int SD	*221087*	*1582.100000*	*156.6960000*	*157.6300000*	*144.0040000*	*1879.020000*	*168651*
RelInt Mean	1.3120500	0.1371740	0.0345254	0.0218897	0.0158462	0.2730440	1.1203900
RelInt RSD	*0.3405632*	*0.8469025*	*0.6105447*	*0.9017437*	*0.7691623*	*0.6226286*	*0.2467953*
RelInt SD	*0.0044684*	*0.0011617*	*0.0002108*	*0.0001974*	*0.0001219*	*0.0017000*	*0.0027651*
Conc Mean	45.7413000[mg/l]	1.0481900[mg/l]	1.1022100[mg/l]	0.9887020[mg/l]	1.0279700[mg/l]	5.0927900[mg/l]	1.1124400[mg/l]
Conc RSD	*0.3407118*	*0.8473979*	*0.6091380*	*0.9020069*	*0.7688133*	*0.6227608*	*0.2468699*
Conc SD	*0.1558460[mg/l]*	*0.0088823[mg/l]*	*0.0067140[mg/l]*	*0.0089182[mg/l]*	*0.0079032[mg/l]*	*0.0317159[mg/l]*	*0.0027463[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	3676020	35735.40000	210461	1885090	30737600	23249700	639965
Int RSD	*2.2353442*	*0.4039020*	*0.6615430*	*0.5425311*	*0.5050134*	*0.4106074*	*0.2871829*
Int SD	*82171.70000*	*144.3360000*	*1392.290000*	*10227.20000*	*155229*	*95465.00000*	*1837.870000*
RelInt Mean	0.1174370	0.0164871	0.0063169	---	---	---	0.3381680
RelInt RSD	*2.7415636*	*0.2769796*	*1.1763946*	---	---	---	*0.4225888*
RelInt SD	*0.0032196*	*0.0000457*	*0.0000743*	---	---	---	*0.0014291*
Conc Mean	1.0192900[mg/l]	1.0098300[mg/l]	0.9831780[mg/l]	1872290	30637300	23189000	1.1257200[mg/l]
Conc RSD	*2.7413788*	*0.2753265*	*1.1933546*	---	---	---	*0.4228600*
Conc SD	*0.0279426[mg/l]*	*0.0027803[mg/l]*	*0.0117328[mg/l]*	*10058.30000*	*154760*	*95782.20000*	*0.0047602[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9246970	10174700	705977	372095	579876	133484	
Int RSD	*0.4874213*	*0.6132377*	*0.5746193*	*0.6854889*	*0.4692589*	*0.9414537*	
Int SD	*45071.70000*	*62395.10000*	*4056.680000*	*2550.670000*	*2721.120000*	*1256.690000*	
RelInt Mean	0.3961100	0.4335630	0.3707220	0.1957650	0.3038170	0.0679391	
RelInt RSD	*0.2723233*	*0.2060215*	*0.9215612*	*0.9798994*	*0.8061860*	*1.3720155*	
RelInt SD	*0.0010787*	*0.0008932*	*0.0034164*	*0.0019183*	*0.0024493*	*0.0009321*	
Conc Mean	0.9757630[mg/l]	1.0297100[mg/l]	5.4693400[mg/l]	5.2277800[mg/l]	0.9921770[mg/l]	5.5241000[mg/l]	
Conc RSD	*0.2718508*	*0.2062153*	*0.9230072*	*0.9809288*	*0.8064539*	*1.3684220*	
Conc SD	*0.0026526[mg/l]*	*0.0021234[mg/l]*	*0.0504824[mg/l]*	*0.0512808[mg/l]*	*0.0080015[mg/l]*	*0.0755930[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 511385 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484267005042	File:	met06_master011	Time:	03-JUL-2024 14:53
Cal:	484267005001	Caldate:	03-JUL-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	27451800	32336800	17.79
Yttrium	A	1649040	1958760	18.78
Yttrium	R	20233300	24790900	22.53

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-07-03 14:53:42	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	65871.90000	39764.80000	4398.010000	12344.90000	10365.00000	98211.20000	9602.970000
Int RSD	*0.2430854*	*2.2788899*	*1.4479981*	*1.2535703*	*0.4467033*	*1.0490148*	*0.3691420*
Int SD	*160.1250000*	*906.1960000*	*63.6831000*	*154.7520000*	*46.3008000*	*1030.250000*	*35.4486000*
RelInt Mean	0.0000315	0.0000268	-0.0000549	0.0012231	0.0001480	0.0029047	-0.0000197
RelInt RSD	*17.2684494*	*31.0533435*	*53.8054562*	*5.9415665*	*17.1362146*	*0.7254037*	*49.9530433*
RelInt SD	*0.0000054*	*0.0000083*	*0.0000295*	*0.0000727*	*0.0000254*	*0.0000211*	*0.0000099*
Conc Mean	<-0.0000898[mg/l]	<-0.0000974[mg/l]	<0.0016945[mg/l]	<-0.0000790[mg/l]	<0.0000467[mg/l]	0.0108225[mg/l]	<-0.0001062[mg/l]
Conc RSD	*216.4892557*	*574.9379821*	*87.3738566*	*1014.218795*	*139.8671068*	*7.0627951*	*47.5638527*
Conc SD	*0.0001944[mg/l]*	*0.0005599[mg/l]*	*0.0014806[mg/l]*	*0.0008013[mg/l]*	*0.0000653[mg/l]*	*0.0007644[mg/l]*	*0.0000505[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	9838.470000	61882.30000	14845.20000	9081.300000	58615.60000	12329.30000	6579.680000
Int RSD	*0.6863069*	*0.2639075*	*0.3570090*	*3.9076123*	*1.8211364*	*1.0640345*	*2.7437505*
Int SD	*67.5221000*	*163.3120000*	*52.9987000*	*354.8620000*	*1067.470000*	*131.1880000*	*180.5300000*
RelInt Mean	0.0000348	0.0001082	0.0012255	0.0000433	0.0005630	0.0001938	0.0003640
RelInt RSD	*93.3425049*	*4.1575552*	*4.7303854*	*5.9221144*	*1.0681899*	*21.7373196*	*23.2124194*
RelInt SD	*0.0000325*	*0.0000045*	*0.0000580*	*0.0000026*	*0.0000060*	*0.0000421*	*0.0000845*
Conc Mean	<0.0001673[mg/l]	<-0.0001110[mg/l]	<-0.0004657[mg/l]	<0.0028671[mg/l]	<-0.0204578[mg/l]	<-0.0001398[mg/l]	0.0024102[mg/l]
Conc RSD	*117.4300627*	*128.5418225*	*41.8567552*	*20.7377115*	*8.9787758*	*19.0730542*	*25.6133516*
Conc SD	*0.0001964[mg/l]*	*0.0001427[mg/l]*	*0.0001949[mg/l]*	*0.0005946[mg/l]*	*0.0018369[mg/l]*	*0.0000267[mg/l]*	*0.0006173[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	33939.50000	10495.60000	9769.130000	6553.800000	4963.960000	4599.970000	42540.80000
Int RSD	*1.7469055*	*0.3710488*	*0.4618651*	*0.9767158*	*1.0150465*	*1.1244334*	*1.6504227*
Int SD	*592.8910000*	*38.9438000*	*45.1202000*	*64.0120000*	*50.3865000*	*51.7236000*	*702.1030000*
RelInt Mean	0.0001344	0.0000902	-0.0001037	0.0000138	0.0000155	0.0001187	0.0002548
RelInt RSD	*8.4721985*	*14.4522271*	*26.9656496*	*187.5946722*	*142.8789328*	*18.4382583*	*2.9528623*
RelInt SD	*0.0000114*	*0.0000130*	*0.0000280*	*0.0000259*	*0.0000221*	*0.0000219*	*0.0000075*
Conc Mean	0.0046867[mg/l]	<-0.0000346[mg/l]	<-0.0007794[mg/l]	<0.0022725[mg/l]	<0.0011147[mg/l]	<0.0010186[mg/l]	<-0.0001044[mg/l]
Conc RSD	*8.4720477*	*287.9081040*	*114.3169090*	*51.5610630*	*128.6353769*	*40.0830576*	*7.1615543*
Conc SD	*0.0003971[mg/l]*	*0.0000997[mg/l]*	*0.0008910[mg/l]*	*0.0011717[mg/l]*	*0.0014340[mg/l]*	*0.0004083[mg/l]*	*0.0000075[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	73610.20000	4408.060000	18255.20000	1958760	32336800	24790900	7079.290000
Int RSD	*0.2604001*	*0.6709346*	*0.9993262*	*0.2835636*	*0.5600616*	*0.2899846*	*0.6782093*
Int SD	*191.6810000*	*29.5752000*	*182.4290000*	*5554.330000*	*181106*	*71889.80000*	*48.0124000*
RelInt Mean	0.0001099	-0.0000372	0.0000781	---	---	---	0.0004548
RelInt RSD	*4.8338735*	*5.6380719*	*3.9511748*	---	---	---	*3.8923276*
RelInt SD	*0.0000053*	*0.0000021*	*0.0000031*	---	---	---	*0.0000177*
Conc Mean	0.0009717[mg/l]	<-0.0014862[mg/l]	<-0.0015616[mg/l]	1946460	32238300	24731700	<-0.0003861[mg/l]
Conc RSD	*4.7431363*	*8.7955861*	*31.2269063*	---	---	---	*15.2816163*
Conc SD	*0.0000461[mg/l]*	*0.0001307[mg/l]*	*0.0004876[mg/l]*	*5508.540000*	*181374*	*72193.40000*	*0.0000590[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26734.30000	26436.50000	16930.70000	5237.710000	9740.700000	5550.880000	
Int RSD	*3.6432336*	*2.6253135*	*0.6242211*	*2.0547911*	*0.5940877*	*0.7274270*	
Int SD	*973.9930000*	*694.0410000*	*105.6850000*	*107.6240000*	*57.8683000*	*40.3786000*	
RelInt Mean	-0.0007014	0.0000151	0.0033125	0.0002193	0.0000633	-0.0001060	
RelInt RSD	*3.5046537*	*39.5238725*	*0.9992453*	*24.9417581*	*27.8696160*	*24.4686189*	
RelInt SD	*0.0000246*	*0.0000060*	*0.0000331*	*0.0000547*	*0.0000177*	*0.0000259*	
Conc Mean	<0.0001784[mg/l]	<-0.0000205[mg/l]	0.0367717[mg/l]	<-0.0000684[mg/l]	<0.0000387[mg/l]	<0.0057489[mg/l]	
Conc RSD	*33.8808439*	*69.1075169*	*1.3472181*	*2138.069911*	*150.3340930*	*36.6003124*	
Conc SD	*0.0000604[mg/l]*	*0.0000142[mg/l]*	*0.0004954[mg/l]*	*0.0014620[mg/l]*	*0.0000581[mg/l]*	*0.0021041[mg/l]*	

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

enthalpy.com

Lab Job Number : 511602
Report Level : IV
Report Date : 07/10/2024

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 #:	511602
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/08/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB	511602-001	07/08/24 13:50	Wipe
DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP-CB	511602-002	07/08/24 13:50	Wipe
DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA	511602-003	07/08/24 13:55	Wipe
DOOR-S-15.3GE-PS-17-240708-P-G	511602-004	07/08/24 14:10	Wipe
DOOR-S-15.4GE-PS-17-240708-P-G	511602-005	07/08/24 14:15	Wipe
DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA	511602-006	07/08/24 14:05	Wipe
240708-P-FIELDBLANK1-HO	511602-007	07/08/24 14:20	Wipe

Case Narrative
PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 511602 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/08/24

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 07/09/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

511602

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 1

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 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:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	HOLD
1	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB	7/8/2024	1350	WP	1		X	
2	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP-CB	7/8/2024	1350	WP	1		X	
3	DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA	7/8/2024	1355	WP	1	--	X	
4	DOOR-S-15.3GE-PS-17-240708-P-G	7/8/2024	1410	WP			X	
5	DOOR-S-15.4GE-PS-17-240708-P-G	7/8/2024	1415	WP	1	--	X	
6	DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA	7/8/2024	1405	WP	1	--	X	
7	240708-P-FIELDBLANK1-HO	7/8/2024	1420	WP	1	--	X	
8								
9								
10								
11								
12								
13								
14								
15								

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 8 Enclosure A for Resampling (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	7/8/24 @ 1455
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/8/24 @ 14:55
2 Relinquished By:	Audrey Hudson	"	"	7/8/24 16:21
2 Received By:		Maureen K Kelly	BAS	7/8/24 16:21
3 Relinquished By:		Maureen K Kelly	BAS	7/8/24 16:45
3 Received By:	Tris Kelly	TRIS KELLY	Enthalpy	7/9/24 1020

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: 7/8/19 Login # 51602 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 7/8/19 By (print) MM (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 7/8/19 **By (print)** MM **(sign)** _____

Date Labeled 7/8/19 **By (print)** MM **(sign)** _____

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants — Project: Hangar 1 - NCTRA WP

Date Received: 7/9/24 — 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: 1.8 #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: 1.8 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Tori Kelly — Date: 7/9/24

SOUTHWEST AIRLINES

Printed on:
08 JUL 20:07

526 OAK 1486 0613

PC#	DG	LOT WT
1 OF 19	G	810 LB (367.6 KG)

SNA

STN	FLT	DATE	ETD	LOT 01
OAK	WN 941	09 JUL	06:10	

NFG

PC ID: 0001
PC WT: 43LB

526 14860613 0001

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 511602 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB **Batch#:** 344625 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082
Lab ID: 511602-001 **Received:** 07/08/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/09/24
Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-001 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

511602-001 Surrogate	%REC	Limits
TCMX (PCB)	83	19-121
Decachlorobiphenyl (PCB)	80	19-121

Field ID: DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP-CB **Batch#:** 344625 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082
Lab ID: 511602-002 **Received:** 07/08/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/09/24
Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-002 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

511602-002 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	81	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 511602 **Project#:** 20-10491

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

Field ID: DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA **Batch#:** 344625 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082

Lab ID: 511602-003 **Received:** 07/08/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 07/09/24

Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

511602-003 Surrogate	%REC	Limits
TCMX (PCB)	94	19-121
Decachlorobiphenyl (PCB)	89	19-121

Field ID: DOOR-S-15.3GE-PS-17-240708-P-G **Batch#:** 344625 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082

Lab ID: 511602-004 **Received:** 07/08/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 07/09/24

Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-004 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

511602-004 Surrogate	%REC	Limits
TCMX (PCB)	94	19-121
Decachlorobiphenyl (PCB)	92	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 511602 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.4GE-PS-17-240708-P-G **Batch#:** 344625 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082
Lab ID: 511602-005 **Received:** 07/08/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/09/24
Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

511602-005 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	90	19-121

Field ID: DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA **Batch#:** 344625 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082
Lab ID: 511602-006 **Received:** 07/08/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/09/24
Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-006 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

511602-006 Surrogate	%REC	Limits
TCMX (PCB)	93	19-121
Decachlorobiphenyl (PCB)	99	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 511602 **Project#:** 20-10491

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

Field ID: 240708-P-FIELDBLANK1-HO **Batch#:** 344625 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/08/24 **Analysis:** EPA 8082

Lab ID: 511602-007 **Received:** 07/08/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 07/09/24

Diln Fac: 1.000 **Analyzed:** 07/09/24

511602-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

511602-007 Surrogate	%REC	Limits
TCMX (PCB)	85	19-121
Decachlorobiphenyl (PCB)	89	19-121

Type: BLANK **Batch#:** 344625 **Analysis:** EPA 8082

Lab ID: QC1167799 **Prepared:** 07/09/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 07/09/24

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

QC1167799 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

QC1167799 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	87	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 511602 **Project#:** 20-10491

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

Type: BS **Batch#:** 344625 **Analysis:** EPA 8082

Lab ID: QC1167800 **Prepared:** 07/09/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 07/09/24

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

QC1167800 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.581	92	60-140	ug/100 cm2
Aroclor-1260	5.000	4.625	93	60-140	ug/100 cm2

QC1167800 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	89	19-121

Type: BSD **Batch#:** 344625 **Analysis:** EPA 8082

Lab ID: QC1167801 **Prepared:** 07/09/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 07/09/24

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

QC1167801 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.400	88	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.367	87	60-140	ug/100 cm2	6	20

QC1167801 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	83	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 511602 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
QUAD: Quadratic regression

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	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

ENTHALPY INITIAL CALIBRATION FOR 511602 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

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	16	20.000	**36**	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	**-21**	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	**38**	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	**22**	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	**24**	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	**21**	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	**-21**
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	**-21**		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

ENTHALPY INITIAL CALIBRATION FOR 511602 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511602 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

-

Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

ENTHALPY CONTINUING CALIBRATION FOR 511602 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464275615029	File:	gc07_070924029	Time:	09-JUL-2024 17:56
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	494.8	ug/L	-1	15	0.0000	
Aroclor-1260	A			500.0	490.2	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	0.9895	40.00	35.89	pg/uL	-10	15	0.0000	
TCMX (PCB)	A	0.9369	0.8600	40.00	36.72	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	494.1	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	461.1	ug/L	-8	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	0.9722	40.00	35.59	pg/uL	-11	15	0.0000	
TCMX (PCB)	B	0.9593	0.9091	40.00	37.91	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	7213121	-10.29
1-bromo-2-nitrobenzene (PCB)	A	28707643	26536532	-7.56

07/09/24 : 500 PPB PCB CCV

Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Enthalpy Internal Standard Summary for Sequence 464275615

Date:	07/09/24	Reference:	gc07_062824021
Sequence:	SVOA-GC07 gc07_070924	Analyzed:	06/28/24 13:21

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8040733	28707643
		LOWER LIMIT	4020367	14353822
		UPPER LIMIT	16081466	57415286
005	CCV		7543701	27494710
029	CCV		7213121	26536532

Enthalpy Internal Standard Summary for Sequence 464275615

Date:	07/09/24	Reference:	gc07_070924029
Sequence:	SVOA-GC07 gc07_070924	Analyzed:	07/09/24 17:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	7213121	26536532
		LOWER LIMIT	3606561	13268266
		UPPER LIMIT	14426243	53073064
034	BLANK	QC1167799	7137985	25290879
035	BS	QC1167800	6121454	22455733
036	BSD	QC1167801	7624155	27264416
037	SAMPLE	511602-001	7429568	25577987
038	SAMPLE	511602-002	6650470	23013627
039	SAMPLE	511602-003	7337413	27030968
040	SAMPLE	511602-004	7922986	31457530
041	SAMPLE	511602-005	7990191	30374458
042	SAMPLE	511602-006	6215415	23139194
043	SAMPLE	511602-007	6706170	23706691
044	SAMPLE	511603-001	8137108	27637290
045	SAMPLE	511603-002	7877293	26866553
046	SAMPLE	511603-003	7783583	21516045
047	SAMPLE	511603-004	8576328	28666456
048	SAMPLE	511603-005	7041868	24612007
049	SAMPLE	511640-002	7430980	20667302

Enthalpy Internal Standard Summary for Sequence 464275615

Date:	07/09/24	Reference:	gc07_070924029
Sequence:	SVOA-GC07 gc07_070924	Analyzed:	07/09/24 17:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.47	4.31
		LOWER LIMIT	4.27	4.11
		UPPER LIMIT	4.67	4.51
034	BLANK	QC1167799	4.47	4.31
035	BS	QC1167800	4.47	4.31
036	BSD	QC1167801	4.47	4.31
037	SAMPLE	511602-001	4.47	4.32
038	SAMPLE	511602-002	4.47	4.31
039	SAMPLE	511602-003	4.47	4.31
040	SAMPLE	511602-004	4.47	4.31
041	SAMPLE	511602-005	4.47	4.31
042	SAMPLE	511602-006	4.47	4.31
043	SAMPLE	511602-007	4.47	4.31
044	SAMPLE	511603-001	4.47	4.31
045	SAMPLE	511603-002	4.47	4.31
046	SAMPLE	511603-003	4.47	4.31
047	SAMPLE	511603-004	4.47	4.31
048	SAMPLE	511603-005	4.47	4.31
049	SAMPLE	511640-002	4.47	4.31

Enthalpy Sequence Summary for Sequence 464259633

Instrument: SVOA-GC07 Begun: 06/28/24 07:13
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062824002	PEM				06/28/24 07:13	1.0	1	
003	gc07_062824003	CCV				06/28/24 07:34	1.0	2	ac
004	gc07_062824004	CCV				06/28/24 07:55	1.0	3	
005	gc07_062824005	CCV				06/28/24 08:25	1.0	2	
006	gc07_062824006	CCV				06/28/24 08:46	1.0	3	
019	gc07_062824019	ICAL				06/28/24 12:46	1.0	4	
020	gc07_062824020	ICAL				06/28/24 13:03	1.0	5	
021	gc07_062824021	ICAL				06/28/24 13:21	1.0	6	
022	gc07_062824022	ICAL				06/28/24 13:38	1.0	7	
023	gc07_062824023	ICAL				06/28/24 13:56	1.0	8	
024	gc07_062824024	ICAL				06/28/24 14:13	1.0	9	
025	gc07_062824025	ICAL				06/28/24 14:30	1.0	10	
026	gc07_062824026	ICAL				06/28/24 14:48	1.0	11	
027	gc07_062824027	ICAL				06/28/24 15:05	1.0	12	
028	gc07_062824028	ICAL				06/28/24 15:22	1.0	13	
030	gc07_062824030	ICV				06/28/24 15:57	1.0	14	

KLR 06/28/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

ac=average CCV drift out

Standards Used:
1=S20775 2=S20879 3=S20894 4=S20882 5=S20883 6=S20884 7=S20885 8=S20886 9=S20887 10=S20888 11=S20889 12=S20890 13=S20891 14=S20893

Enthalpy Sequence Summary for Sequence 464275615

Instrument: SVOA-GC07 Begun: 07/09/24 09:35
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_070924002	PEM				07/09/24 09:35	1.0	1	
003	gc07_070924003	CCV				07/09/24 09:58	1.0	2	
005	gc07_070924005	CCV				07/09/24 10:39	1.0	3	
006	gc07_070924006	ICAL				07/09/24 11:02	1.0	4	
015	gc07_070924015	BLANK	QC1167529	Soil	344543	07/09/24 13:50	1.0	5	
016	gc07_070924016	UNKNOWN	SOX-Q3-1		344543	07/09/24 14:08	1.0	5	
017	gc07_070924017	UNKNOWN	SOX-Q3-1		344543	07/09/24 14:25	1.0	5	
018	gc07_070924018	UNKNOWN	SOX-Q3-1		344543	07/09/24 14:43	1.0	5	
019	gc07_070924019	UNKNOWN	SOX-Q3-1		344543	07/09/24 15:00	1.0	5	
020	gc07_070924020	UNKNOWN	SOX-Q3-1		344543	07/09/24 15:18	1.0	5	
021	gc07_070924021	BLANK	QC1166537	Water	344293	07/09/24 15:35	1.0	5	
022	gc07_070924022	BLANK	QC1165689	Water	344040	07/09/24 15:53	1.0	5	
023	gc07_070924023	BS	QC1165690	Water	344040	07/09/24 16:10	1.0	5	
024	gc07_070924024	BSD	QC1165691	Water	344040	07/09/24 16:28	1.0	5	
025	gc07_070924025	SAMPLE	511197-003	Water	344040	07/09/24 16:45	5.0	5	high NT
026	gc07_070924026	SAMPLE	511102-001	Soil	344453	07/09/24 17:03	100.0	5	
028	gc07_070924028	CCV				07/09/24 17:38	1.0	2	
029	gc07_070924029	CCV				07/09/24 17:56	1.0	3	
034	gc07_070924034	BLANK	QC1167799	Wipe	344625	07/09/24 19:24	1.0	5	
035	gc07_070924035	BS	QC1167800	Wipe	344625	07/09/24 19:41	1.0	5	
036	gc07_070924036	BSD	QC1167801	Wipe	344625	07/09/24 19:59	1.0	5	
037	gc07_070924037	SAMPLE	511602-001	Wipe	344625	07/09/24 20:21	1.0	5	
038	gc07_070924038	SAMPLE	511602-002	Wipe	344625	07/09/24 20:39	1.0	5	
039	gc07_070924039	SAMPLE	511602-003	Wipe	344625	07/09/24 20:56	1.0	5	
040	gc07_070924040	SAMPLE	511602-004	Wipe	344625	07/09/24 21:14	1.0	5	
041	gc07_070924041	SAMPLE	511602-005	Wipe	344625	07/09/24 21:31	1.0	5	
042	gc07_070924042	SAMPLE	511602-006	Wipe	344625	07/09/24 21:49	1.0	5	
043	gc07_070924043	SAMPLE	511602-007	Wipe	344625	07/09/24 22:06	1.0	5	
044	gc07_070924044	SAMPLE	511603-001	Wipe	344625	07/09/24 22:24	1.0	5	
045	gc07_070924045	SAMPLE	511603-002	Wipe	344625	07/09/24 22:41	1.0	5	
046	gc07_070924046	SAMPLE	511603-003	Wipe	344625	07/09/24 22:59	1.0	5	
047	gc07_070924047	SAMPLE	511603-004	Wipe	344625	07/09/24 23:16	1.0	5	
048	gc07_070924048	SAMPLE	511603-005	Wipe	344625	07/09/24 23:34	1.0	5	
049	gc07_070924049	SAMPLE	511640-002	Wipe	344707	07/09/24 23:51	1.0	5	
052	gc07_070924052	BS	QC1166797	Soil	344360	07/10/24 00:44	1.0	5	
053	gc07_070924053	BSD	QC1166798	Soil	344360	07/10/24 01:01	1.0	5	
054	gc07_070924054	MSS	511416-001	Soil	344468	07/10/24 01:19	50.0	5	
055	gc07_070924055	SAMPLE	511416-003	Soil	344468	07/10/24 01:36	50.0	5	
056	gc07_070924056	SAMPLE	511416-007	Soil	344468	07/10/24 01:54	5.0	5	
057	gc07_070924057	SAMPLE	511416-005	Soil	344468	07/10/24 02:11	2.0	5	1:DDE44=310

MES 07/10/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 53.

Standards Used:
1=S20775 2=S21103 3=S21104 4=S20753 5=S20106

SAMPLE PREPARATION SUMMARY

Batch #:	344625	Prep Date:	09-JUL-2024 13:07	Started By:	AEB
Analysis:	8080	Method:	3546	Finished By:	AEB

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S21087	Spike S20910	Analysis
QC1167799 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1167800 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1167801 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
511602-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: wipe Date/Time: 07/09/2024 13:07 Initials: AEB

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A / N/A

Hotblock Temp (Obs/Corr), °C: N/A / N/A

Balance ID: N/A Microdipenser ID: syringe

Extraction Start Time*: 13:10 Extraction end time*: 13:55

* For hot block, microwave, shaker table

608.3 QC Batch#:

8081 QC Batch #:

8082 QC Batch #: 344625 344707

Sample ID	Cont. ID	Sample Initial Amount Circle one: (S) 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	N/A	MIC03-9	TV10	10.0		
LCS		1		-10		10.0		
LCSD		1		-11		10.0		
511602-001	A	1		-12		10.0		
-002	A	1		-13		10.0		
-003	A	1		-14	↓	10.0		
-004	A	1		-15	TV11	10.0		
-005	A	1		-16		10.0		
-006	A	1		-17		10.0		
-007	A	1		-18		10.0		
511603-001	A	1		-19		10.0		
-002	A	1		-20	↓	10.0		
-003	A	1		-21	TV12	10.0		
-004	A	1		-22		10.0		
-005	A	1		-23		10.0		
511640-002	A	1 S	↓	-24	↓	10.0		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S21096

Acetone-Hexane Mix ID: WR-070824-002

Sodium Sulfate Lot: 232416

Baked Sand Lot: N/A

Surrogate ID: S21087 Volume: 500 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S20910 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 511602 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
511602-001	Aroclor-1016	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1221	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1232	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1242	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1248	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1254	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1260	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1262	SVOA-GC07	B	07/09/24 20:21
511602-001	Aroclor-1268	SVOA-GC07	B	07/09/24 20:21
511602-001	TCMX (PCB)	SVOA-GC07	B	07/09/24 20:21
511602-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 20:21
511602-002	Aroclor-1016	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1221	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1232	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1242	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1248	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1254	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1260	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1262	SVOA-GC07	B	07/09/24 20:39
511602-002	Aroclor-1268	SVOA-GC07	B	07/09/24 20:39
511602-002	TCMX (PCB)	SVOA-GC07	B	07/09/24 20:39
511602-002	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 20:39
511602-003	Aroclor-1016	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1221	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1232	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1242	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1248	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1254	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1260	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1262	SVOA-GC07	B	07/09/24 20:56
511602-003	Aroclor-1268	SVOA-GC07	B	07/09/24 20:56

REPORTING SUMMARY FOR 511602 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
511602-003	TCMX (PCB)	SVOA-GC07	B	07/09/24 20:56
511602-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 20:56
511602-004	Aroclor-1016	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1221	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1232	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1242	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1248	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1254	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1260	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1262	SVOA-GC07	B	07/09/24 21:14
511602-004	Aroclor-1268	SVOA-GC07	B	07/09/24 21:14
511602-004	TCMX (PCB)	SVOA-GC07	B	07/09/24 21:14
511602-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 21:14
511602-005	Aroclor-1016	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1221	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1232	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1242	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1248	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1254	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1260	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1262	SVOA-GC07	B	07/09/24 21:31
511602-005	Aroclor-1268	SVOA-GC07	B	07/09/24 21:31
511602-005	TCMX (PCB)	SVOA-GC07	B	07/09/24 21:31
511602-005	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 21:31
511602-006	Aroclor-1016	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1221	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1232	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1242	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1248	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1254	SVOA-GC07	B	07/09/24 21:49

REPORTING SUMMARY FOR 511602 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
511602-006	Aroclor-1260	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1262	SVOA-GC07	B	07/09/24 21:49
511602-006	Aroclor-1268	SVOA-GC07	B	07/09/24 21:49
511602-006	TCMX (PCB)	SVOA-GC07	B	07/09/24 21:49
511602-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 21:49
511602-007	Aroclor-1016	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1221	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1232	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1242	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1248	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1254	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1260	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1262	SVOA-GC07	B	07/09/24 22:06
511602-007	Aroclor-1268	SVOA-GC07	B	07/09/24 22:06
511602-007	TCMX (PCB)	SVOA-GC07	B	07/09/24 22:06
511602-007	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 22:06
QC1167799	Aroclor-1016	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1221	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1232	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1242	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1248	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1254	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1260	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1262	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1268	SVOA-GC07	B	07/09/24 19:24
QC1167799	TCMX (PCB)	SVOA-GC07	B	07/09/24 19:24
QC1167799	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 19:24
QC1167800	Aroclor-1016	SVOA-GC07	B	07/09/24 19:41
QC1167800	Aroclor-1260	SVOA-GC07	B	07/09/24 19:41
QC1167800	TCMX (PCB)	SVOA-GC07	B	07/09/24 19:41

REPORTING SUMMARY FOR 511602 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1167800	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 19:41
QC1167801	Aroclor-1016	SVOA-GC07	B	07/09/24 19:59
QC1167801	Aroclor-1260	SVOA-GC07	B	07/09/24 19:59
QC1167801	TCMX (PCB)	SVOA-GC07	B	07/09/24 19:59
QC1167801	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 19:59

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-001	Client ID:	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB
Seqnum:	464275615037	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924037	Batch:	344625	Time:	09-JUL-2024 20:21
Cal:	464259633001	Caldate:	28-JUN-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	46.70	ug/L	ND	0.50	6%	0.50		u
Aroclor-1016 Peak # 1	B	38.35	ug/L	0.38	0.05	151%			
Aroclor-1016 Peak # 2	B	12.76	ug/L	0.13	0.21	51%			
Aroclor-1016 Peak # 3	B	152.5	ug/L	1.53	2.07	30%			
Aroclor-1016 Peak # 4	B	27.22	ug/L	0.27	0.10	94%			
Aroclor-1016 Peak # 5	B	2.675	ug/L	0.03	0.05	68%			
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	33.65	ug/L	ND	1.5	125%	0.50		u
Aroclor-1260 Peak # 1	B	110.0	ug/L	1.10	4.28	118%			
Aroclor-1260 Peak # 2	B	1.630	ug/L	0.02	0.35	182%			
Aroclor-1260 Peak # 3	B	16.47	ug/L	0.16	1.01	144%			
Aroclor-1260 Peak # 4	B	2.000	ug/L	0.02	1.17	193%			
Aroclor-1260 Peak # 5	B	38.17	ug/L	0.38	0.50	27%			
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	41.60	pg/uL	0.5000	0.4160	83	19-121	u
Decachlorobiphenyl (PCB)	B	39.96	pg/uL	0.5000	0.3996	80	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7429568	3.00
1-bromo-2-nitrobenzene (PCB)	A	26536532	25577987	-3.61

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.32	0.01

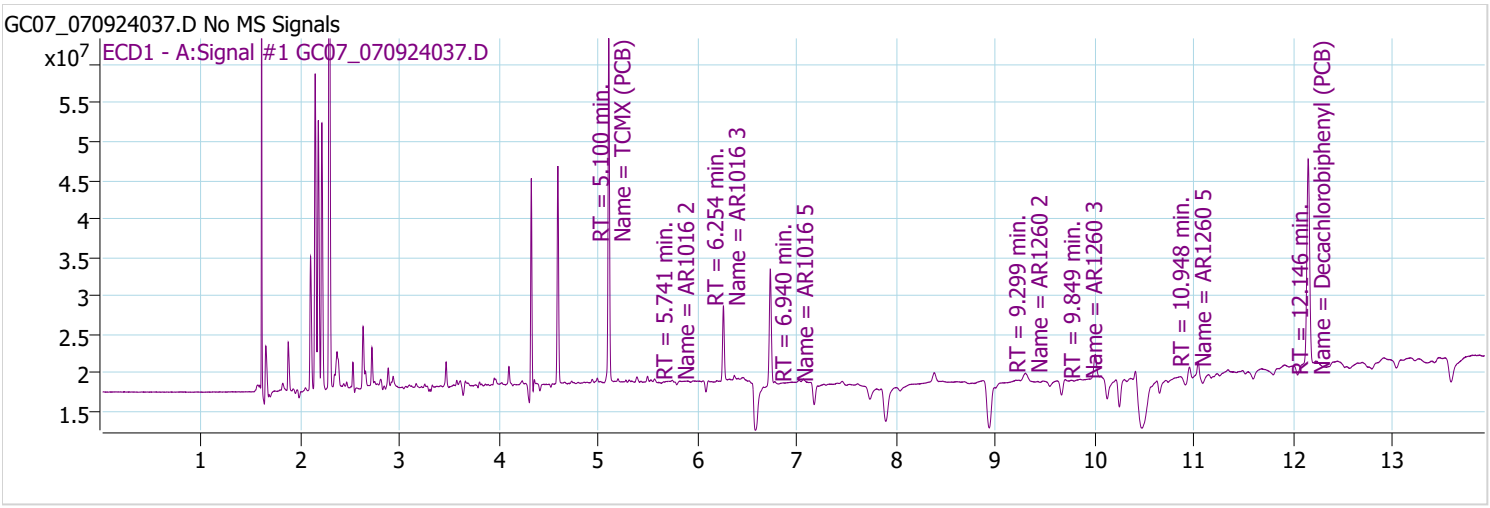
07/10/24 : WIPE/1S-10ML

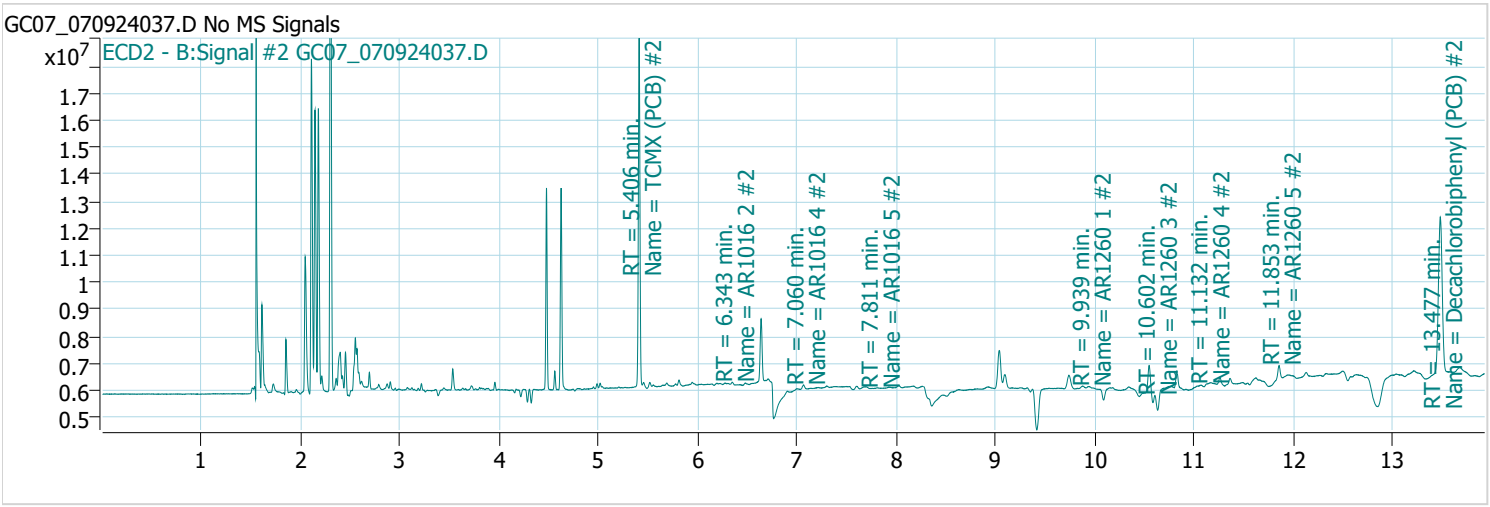
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Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924037.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 8:21:58 PM
Sample Name	511602-001, 344625, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



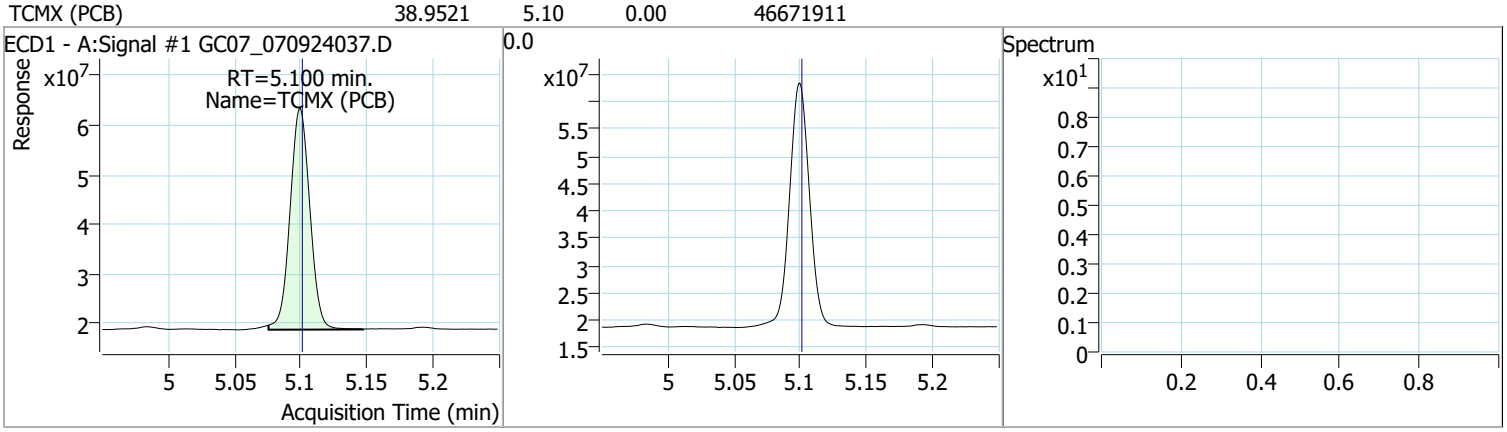


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.319	0.0	25577987.096	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.472	0.0	7429568.111	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.100	0.0	46671910.976	38.9521	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.76%		*	
S TCMX (PCB) #2	5.406	0.0	14823469.144	41.5970	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.98%		*	
S Decachlorobiphenyl (PCB)	12.146	0.0	57133916.579	40.5140	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.57%		*	
S Decachlorobiphenyl (PCB) #2	13.477	0.0	16219001.508	39.9603	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.80%		*	
Target Compounds							QValue

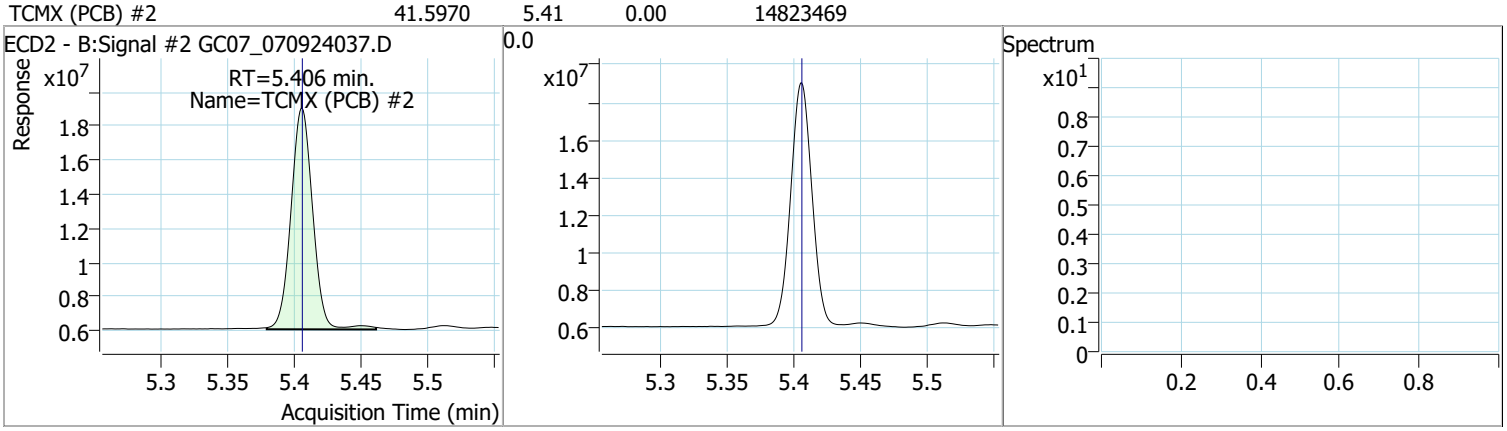
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.424	0.0	119713.938	5.3545	ng/ml	100
T AR1016 2	5.741	0.0	997481.983	21.4762	ng/ml	100
T AR1016 1 #2	5.939	0.0	300854.712	38.3521	ng/ml	100
T AR1016 3	6.254	0.0	11926847.337	207.1194	ng/ml	100
T AR1016 2 #2	6.343	0.0	206879.950	12.7646	ng/ml	100
T AR1016 4	6.403	0.0	379785.407	9.7721	ng/ml	100
T AR1016 5	6.940	0.0	184826.249	5.4103	ng/ml	100
T AR1016 3 #2	6.997	0.0	3082746.825	152.5068	ng/ml	100
T AR1016 4 #2	7.060	0.0	406723.176	27.2188	ng/ml	100
T AR1016 5 #2	7.811	0.0	32325.650	2.6748	ng/ml	100
T AR1260 1	8.870	0.0	29330661.727	428.0893	ng/ml	100
T AR1260 2	9.299	0.0	3647315.577	34.8550	ng/ml	100
T AR1260 3	9.849	0.0	11378994.762	101.0657	ng/ml	100
T AR1260 1 #2	9.939	0.0	2364158.671	109.9897	ng/ml	100
T AR1260 4	10.207	0.0	7642578.701	117.4116	ng/ml	100
T AR1260 2 #2	10.288	0.0	44022.590	1.6303	ng/ml	100
T AR1260 3 #2	10.602	0.0	535222.026	16.4668	ng/ml	100
T AR1260 5	10.948	0.0	3922385.827	50.3222	ng/ml	100
T AR1260 4 #2	11.132	0.0	41111.594	2.0003	ng/ml	100
T AR1260 5 #2	11.853	0.0	1164783.853	38.1749	ng/ml	100

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

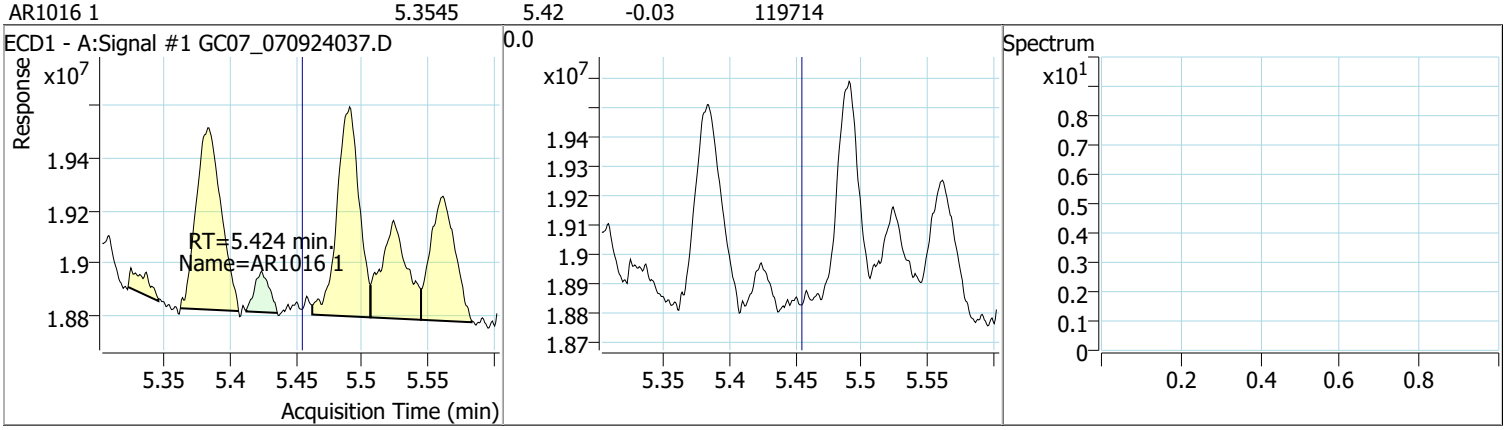
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.9521	5.10	0.00	46671911				



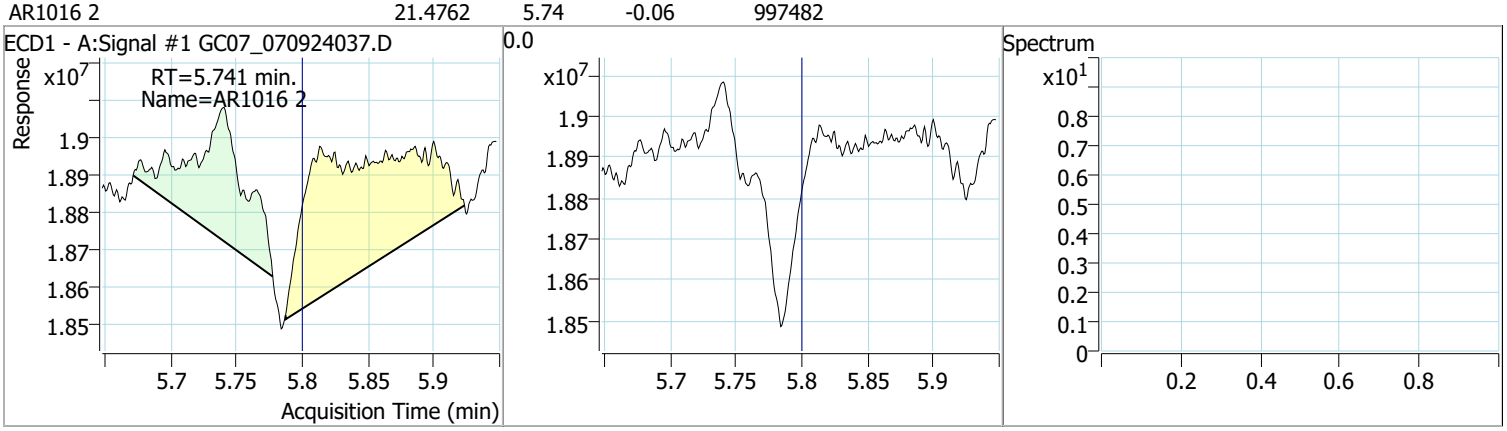
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.5970	5.41	0.00	14823469				



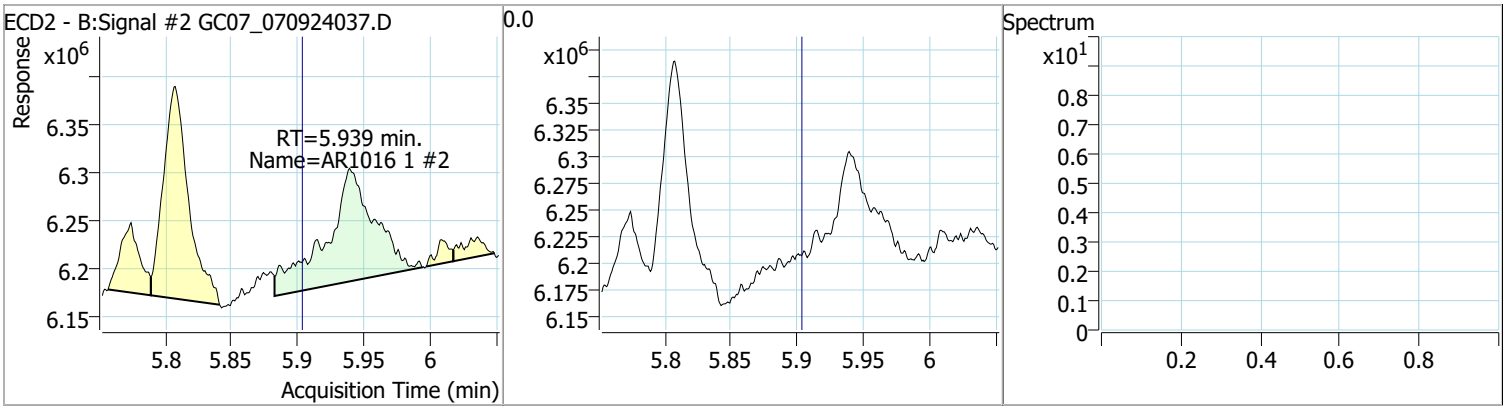
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.3545	5.42	-0.03	119714				



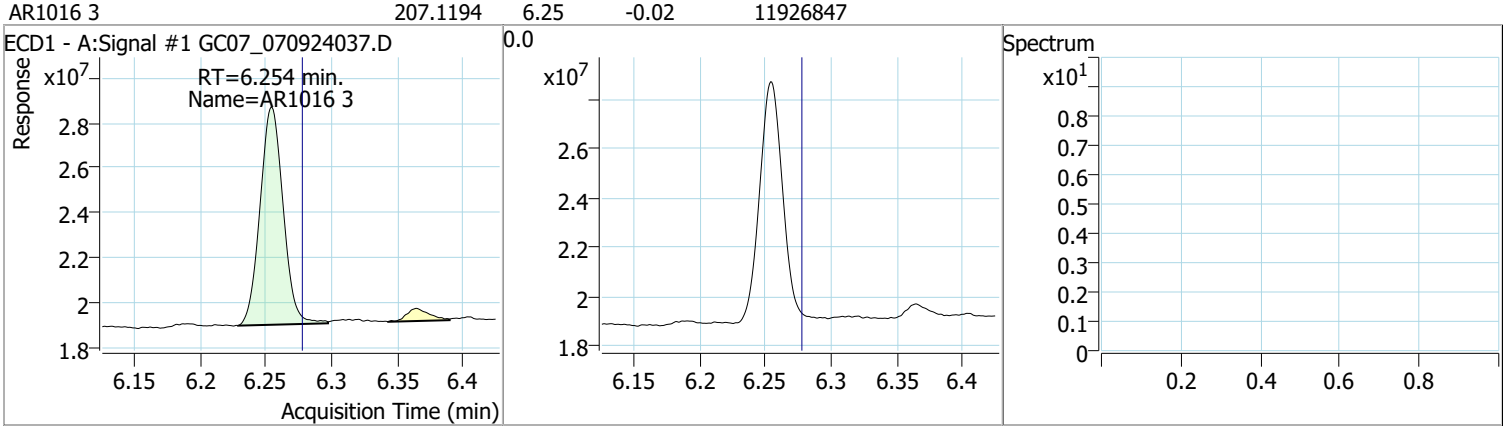
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	21.4762	5.74	-0.06	997482				



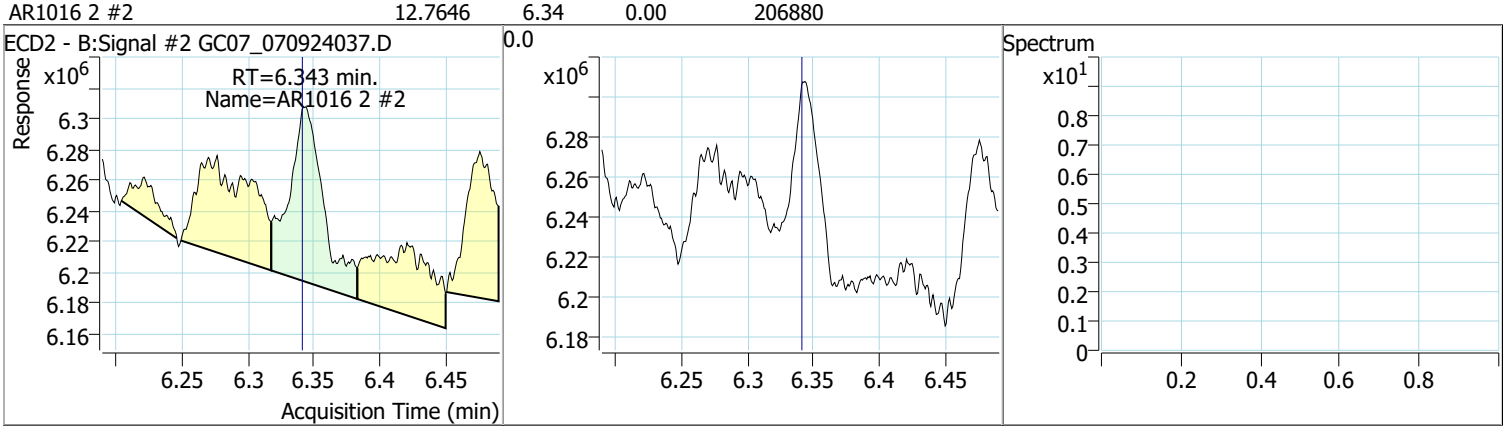
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	38.3521	5.94	0.04	300855				



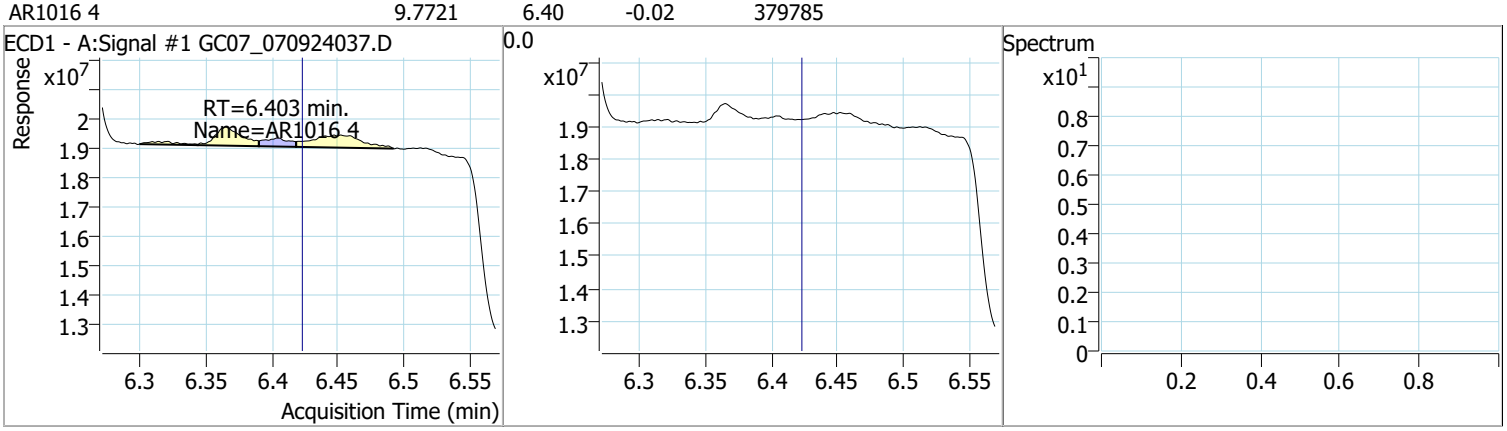
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	207.1194	6.25	-0.02	11926847				



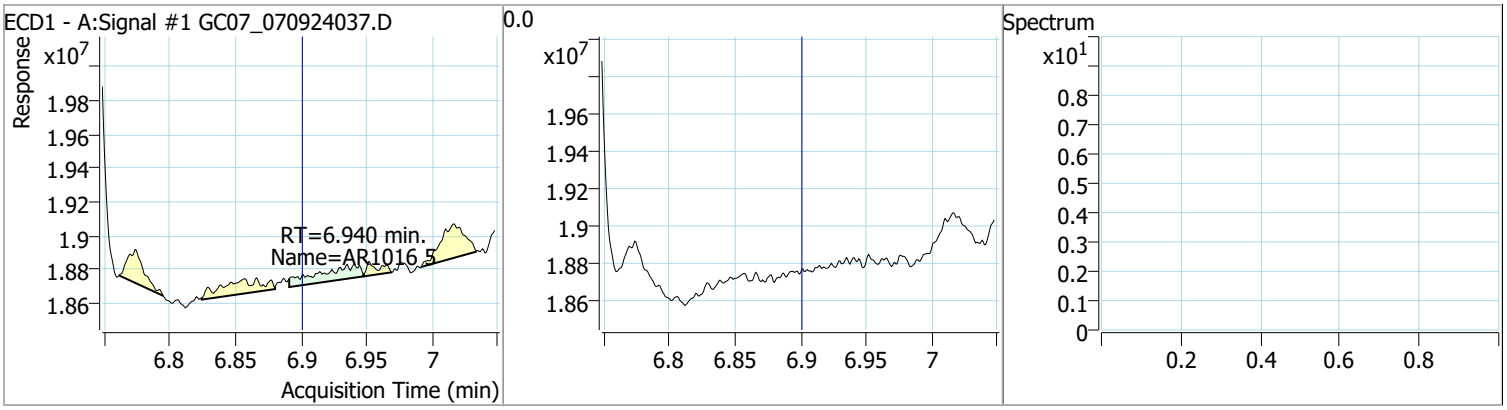
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.7646	6.34	0.00	206880				



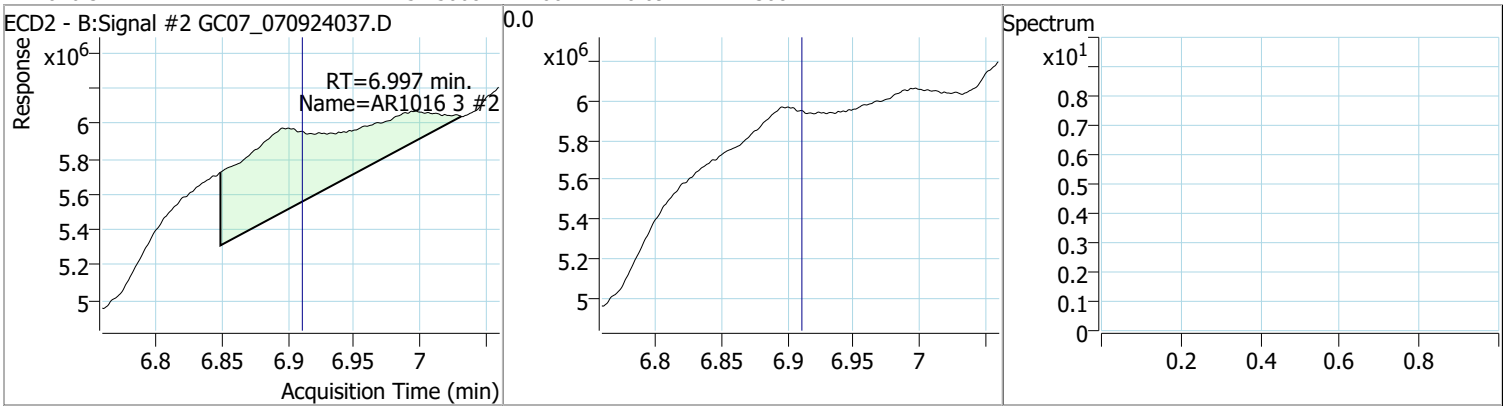
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	9.7721	6.40	-0.02	379785				



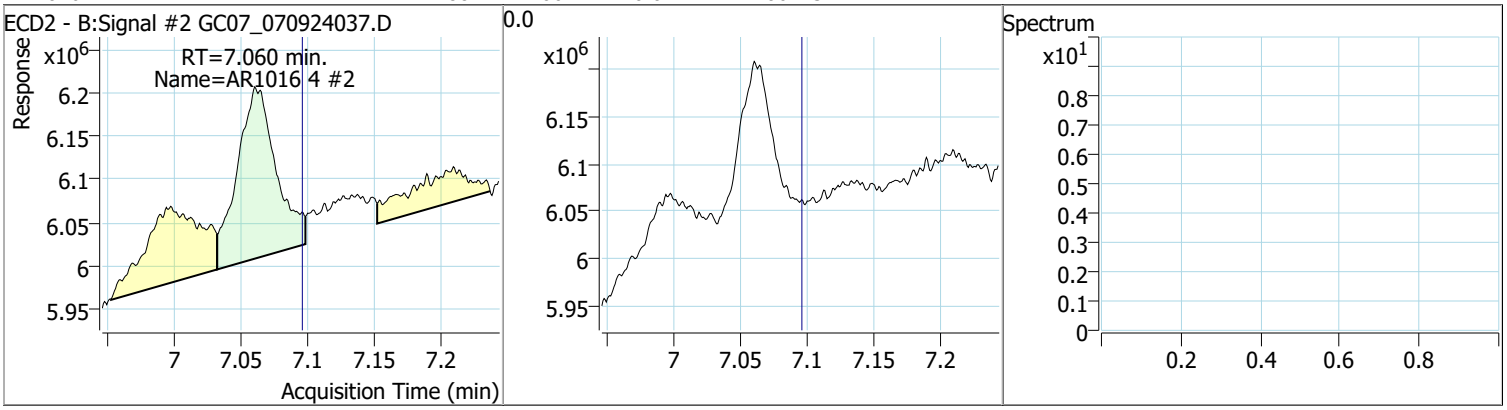
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	5.4103	6.94	0.04	184826				



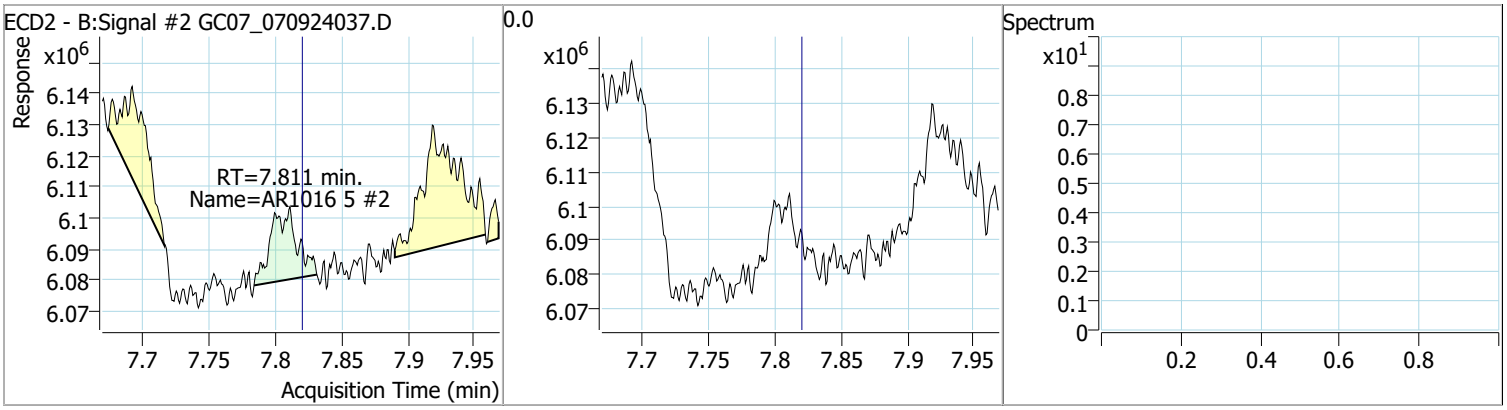
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	152.5068	7.00	0.09	3082747				



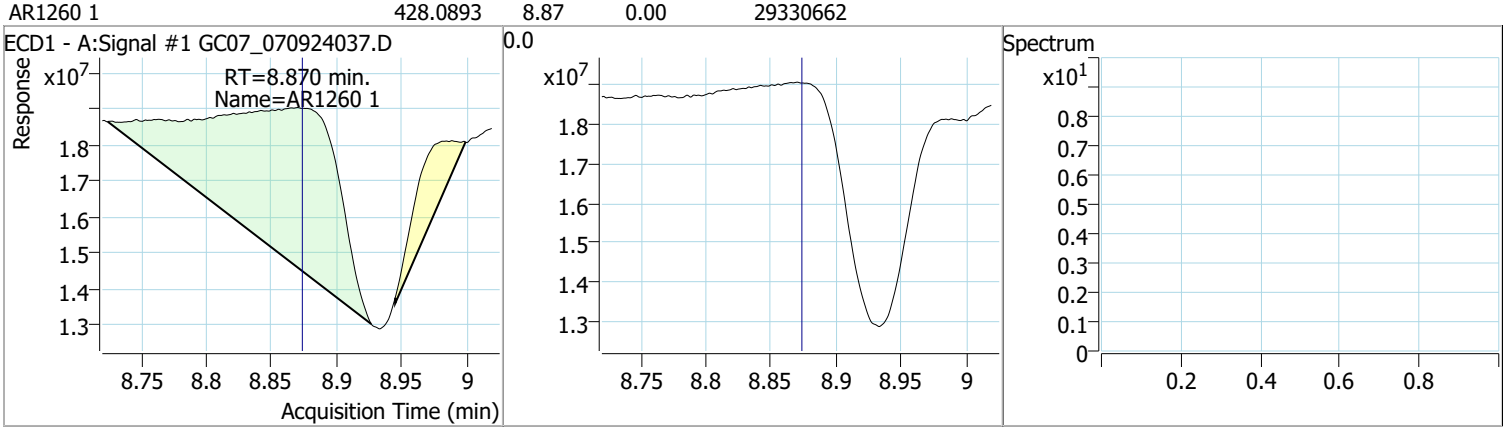
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	27.2188	7.06	-0.04	406723				



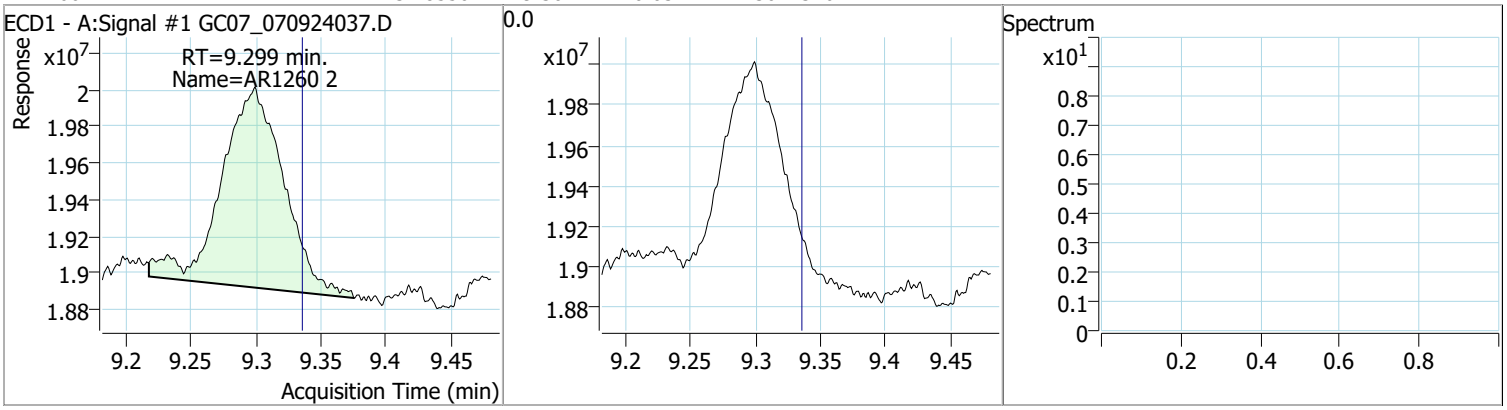
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.6748	7.81	-0.01	32326				



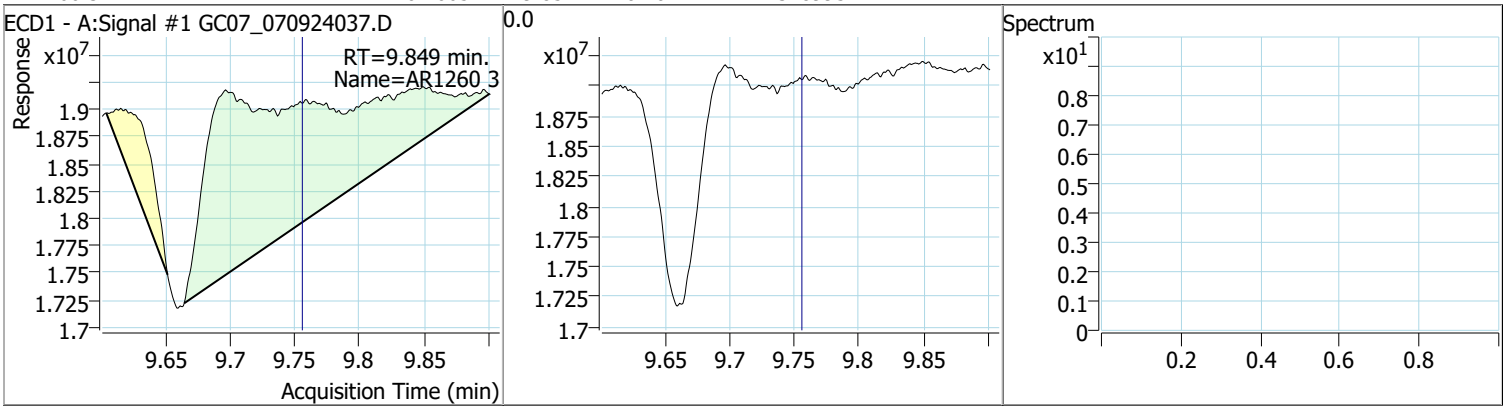
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	428.0893	8.87	0.00	29330662				



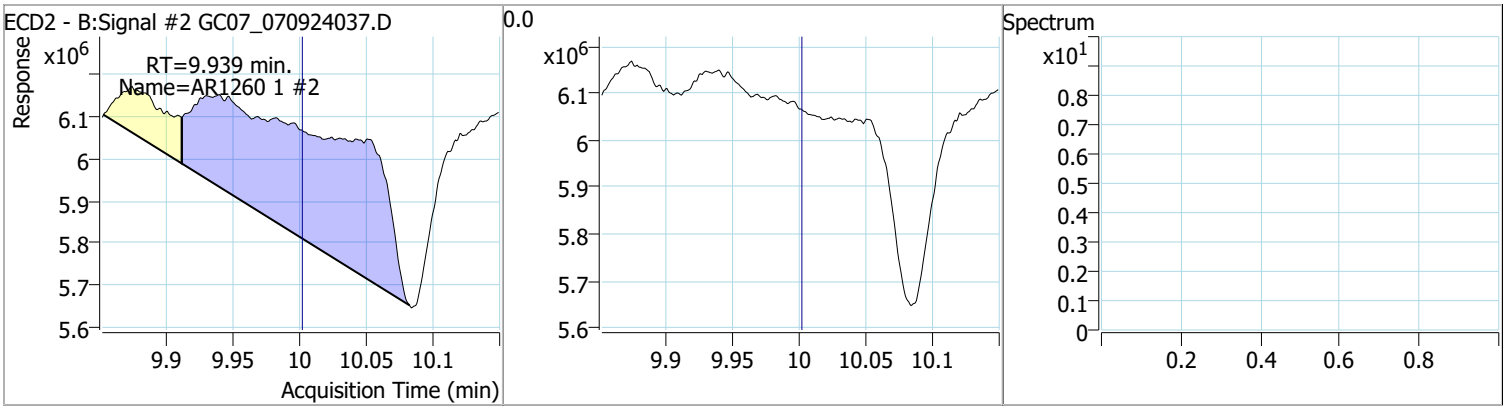
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	34.8550	9.30	-0.03	3647316				



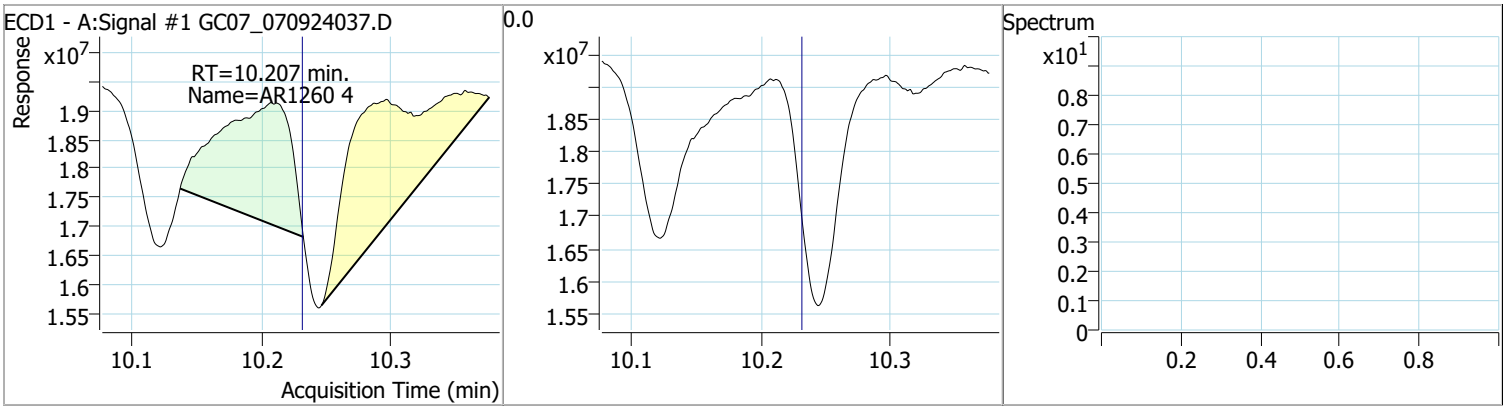
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	101.0657	9.85	0.10	11378995				



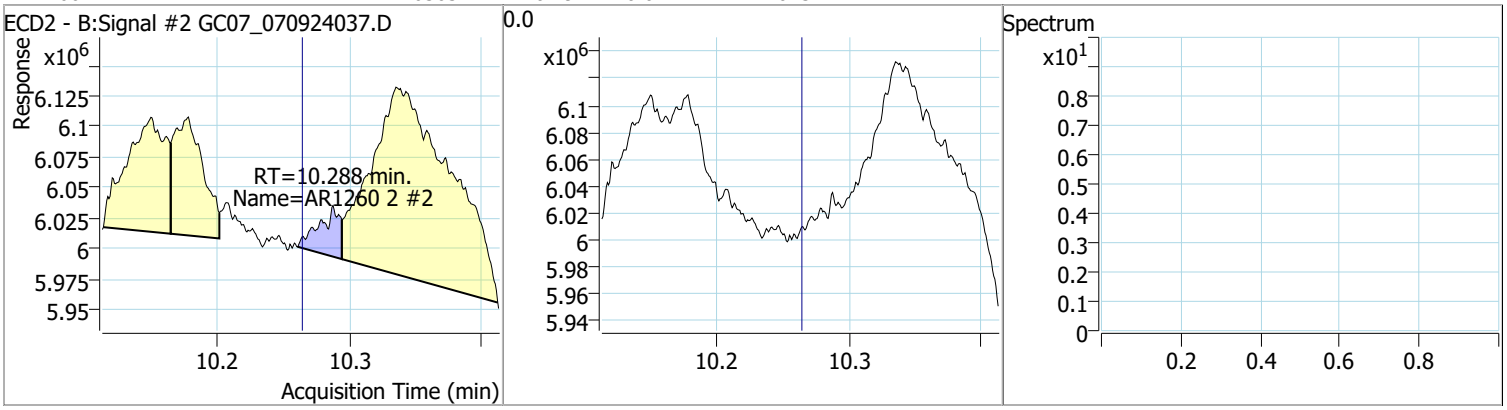
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	109.9897	9.94	-0.06	2364159				



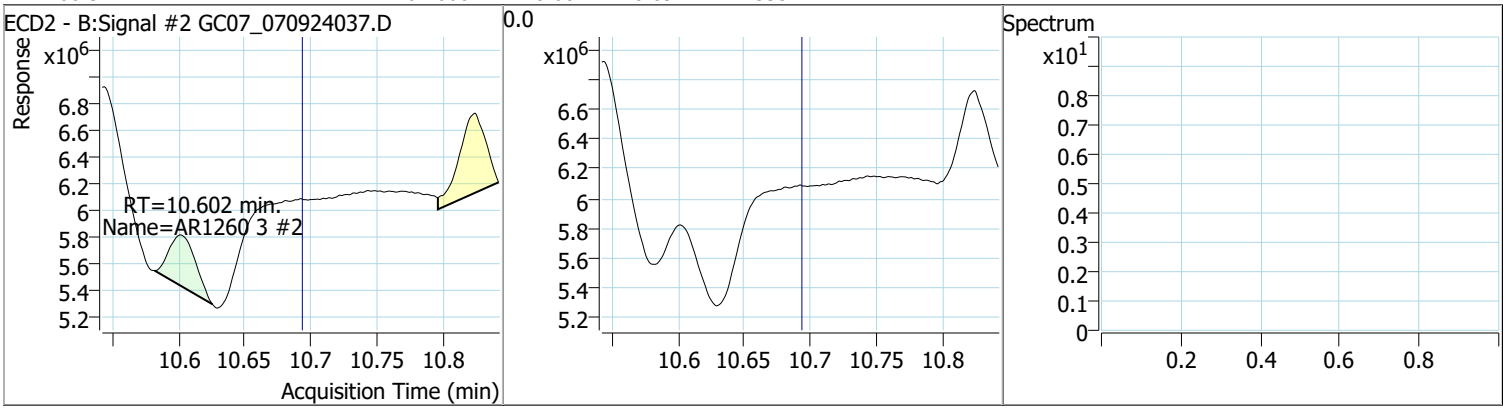
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	117.4116	10.21	-0.02	7642579				



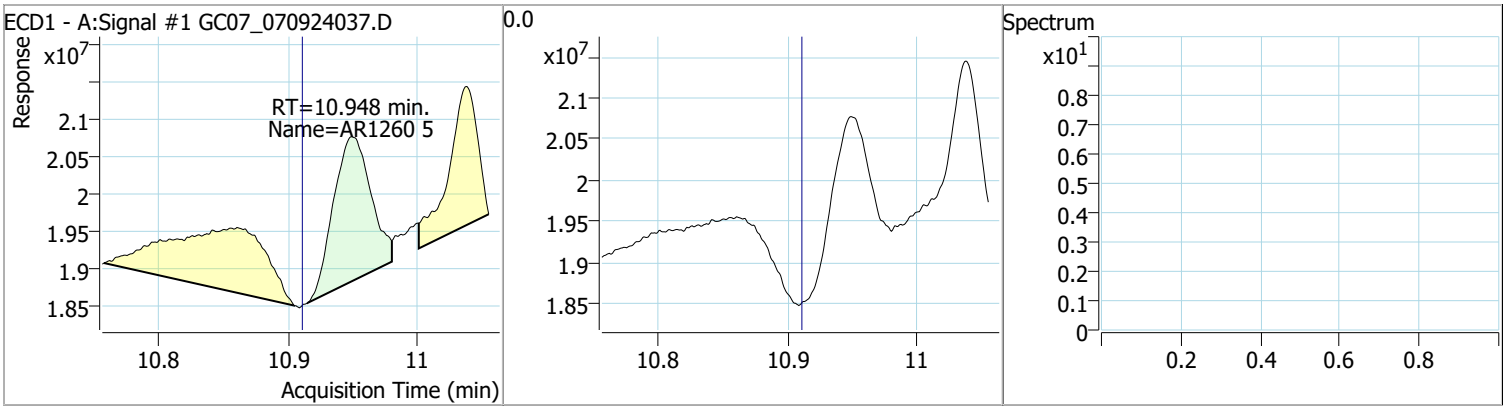
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.6303	10.29	0.02	44023				



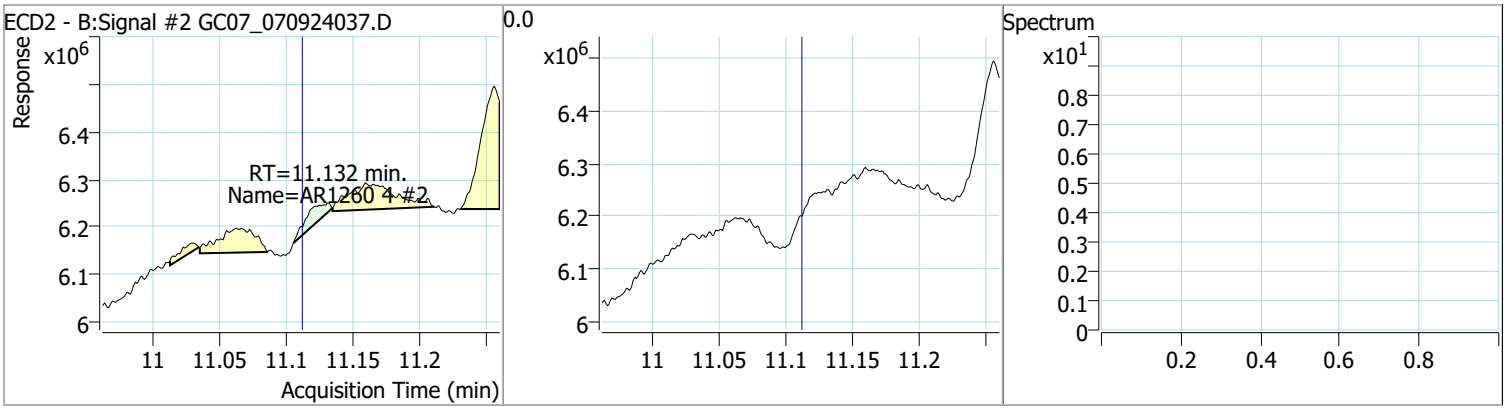
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	16.4668	10.60	-0.09	535222				



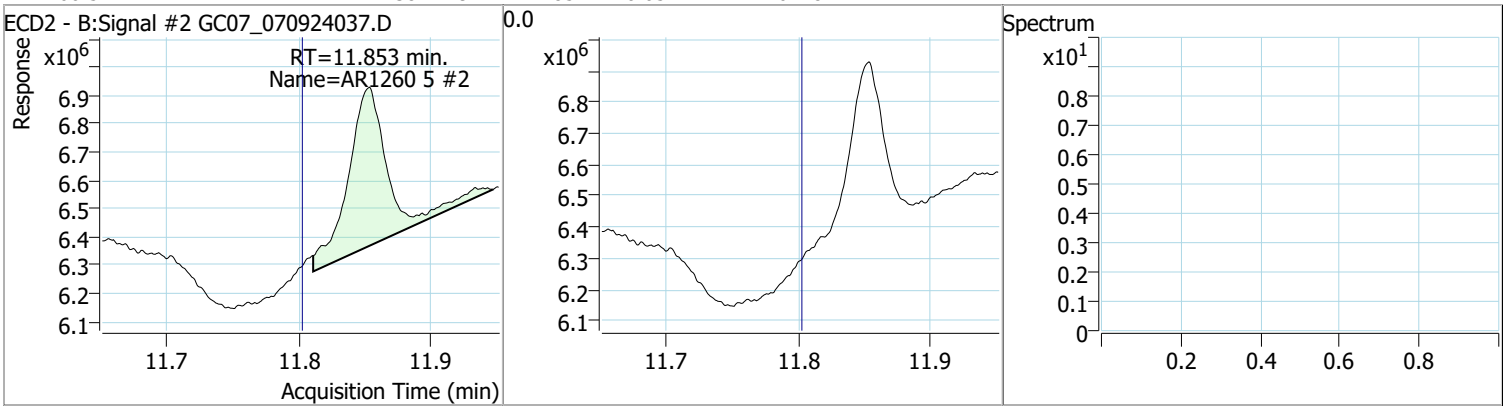
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	50.3222	10.95	0.04	3922386				



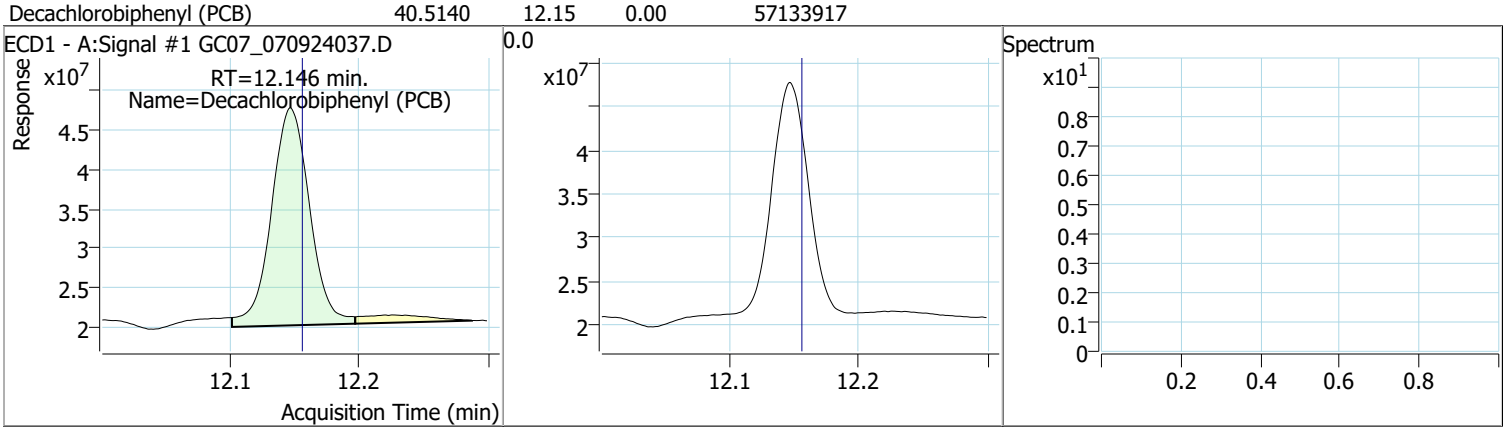
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.0003	11.13	0.02	41112				



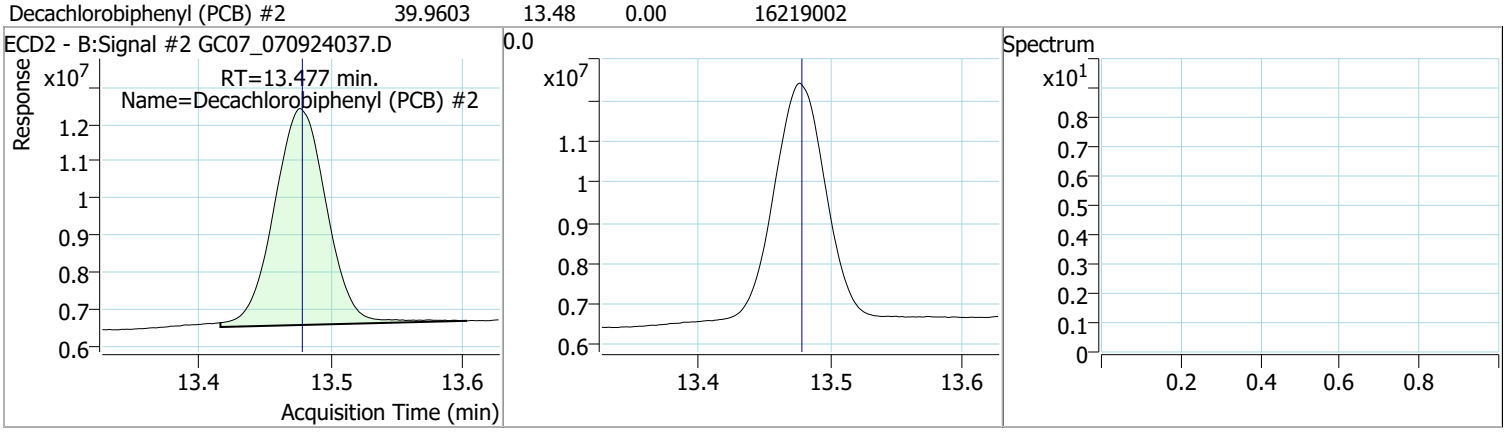
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	38.1749	11.85	0.05	1164784				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.5140	12.15	0.00	57133917				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.9603	13.48	0.00	16219002				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-002	Client ID:	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP-CB
Seqnum:	464275615038	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924038	Batch:	344625	Time:	09-JUL-2024 20:39
Cal:	464259633001	Caldate:	28-JUN-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	22.90	ug/L	ND	ND	9%	0.50		u
Aroclor-1016 Peak # 1	B	66.06	ug/L	0.66	0.08	158%			
Aroclor-1016 Peak # 2	B	5.690	ug/L	0.06	0.48	157%			
Aroclor-1016 Peak # 3	B	35.79	ug/L	0.36	0.46	24%			
Aroclor-1016 Peak # 4	B	5.583	ug/L	0.06	0.03	74%			
Aroclor-1016 Peak # 5	B	1.384	ug/L	0.01	0.22	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	60.41	ug/L	~~0.60~~ ~~FP~~	1.5	83%	0.50		x u
Aroclor-1260 Peak # 1	B	96.22	ug/L	0.96	4.20	125%			
Aroclor-1260 Peak # 2	B	1.555	ug/L	0.02	0.02	21%			
Aroclor-1260 Peak # 3	B	136.7	ug/L	1.37	0.77	56%			
Aroclor-1260 Peak # 4	B	2.769	ug/L	0.03	2.22	195%			
Aroclor-1260 Peak # 5	B	64.81	ug/L	0.65	0.15	127%			
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	42.22	pg/uL	0.5000	0.4222	84	19-121	u
Decachlorobiphenyl (PCB)	B	40.33	pg/uL	0.5000	0.4033	81	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	6650470	-7.80
1-bromo-2-nitrobenzene (PCB)	A	26536532	23013627	-13.28

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

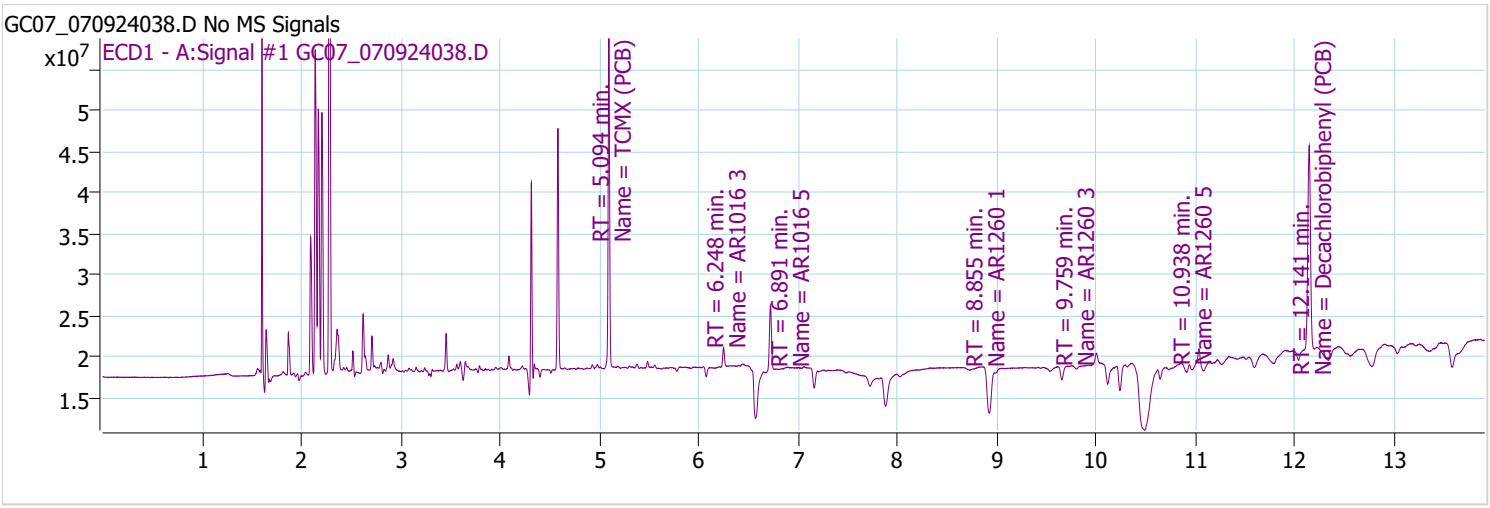
07/10/24 : WIPE/1S-10ML

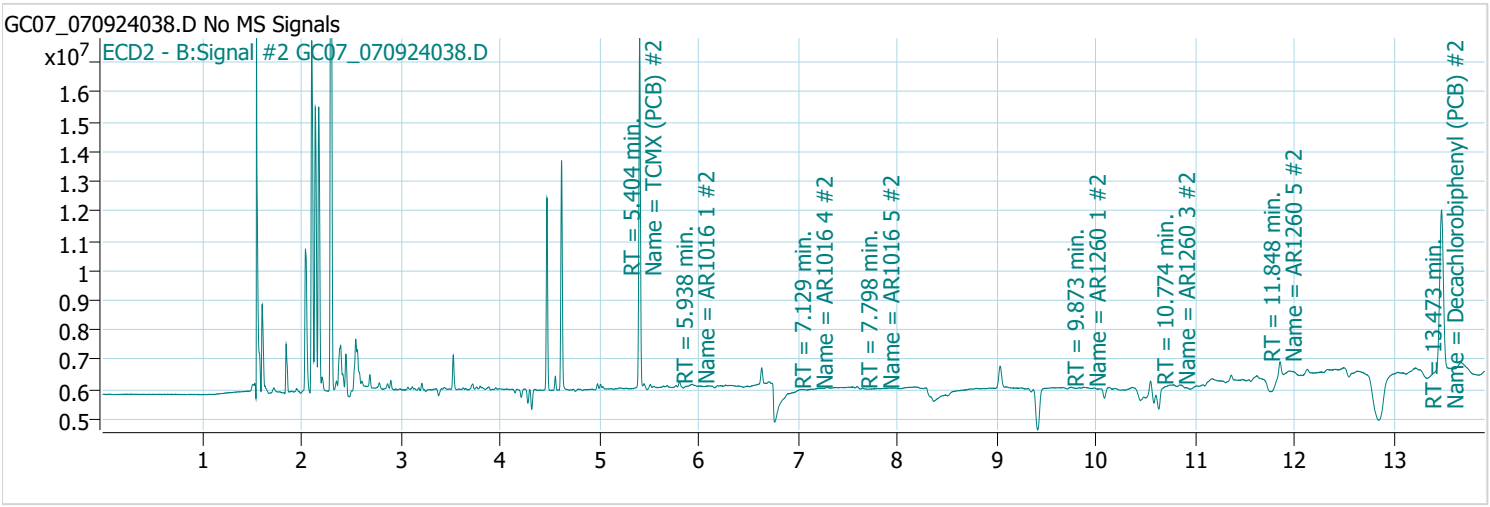
u=use x=false positive

Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924038.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 8:39:24 PM
Sample Name	511602-002, 344625, 1	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



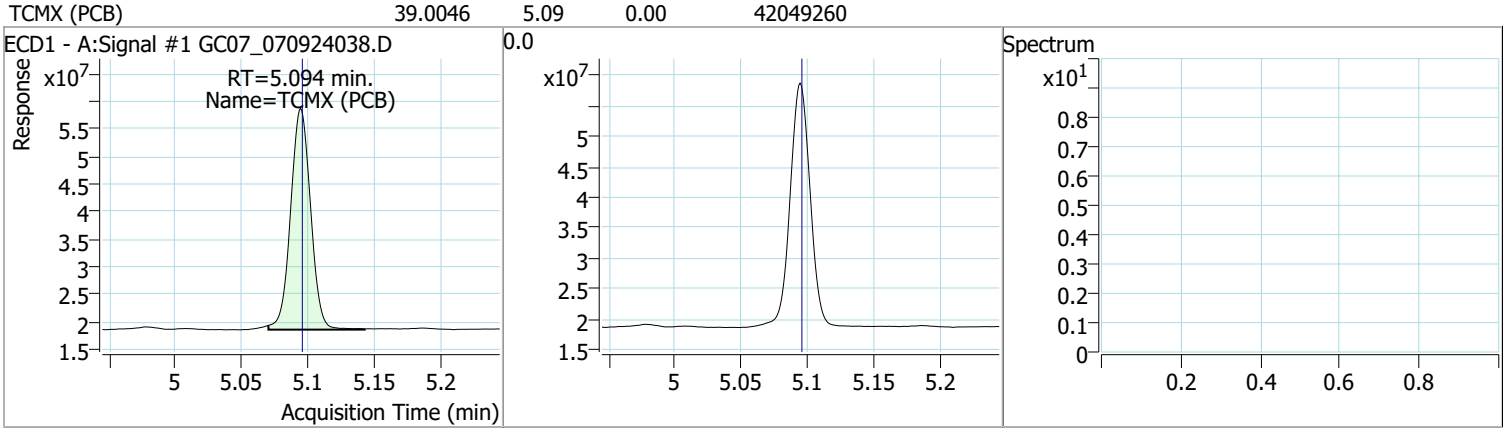


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.314	0.0	23013626.788	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	6650470.338	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	42049260.437	39.0046	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.02%		*	
S TCMX (PCB) #2	5.404	0.0	13466858.120	42.2172	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.09%		*	
S Decachlorobiphenyl (PCB)	12.141	0.0	53411435.573	42.0947	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.47%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	14653581.374	40.3329	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.66%		*	
Target Compounds							QValue

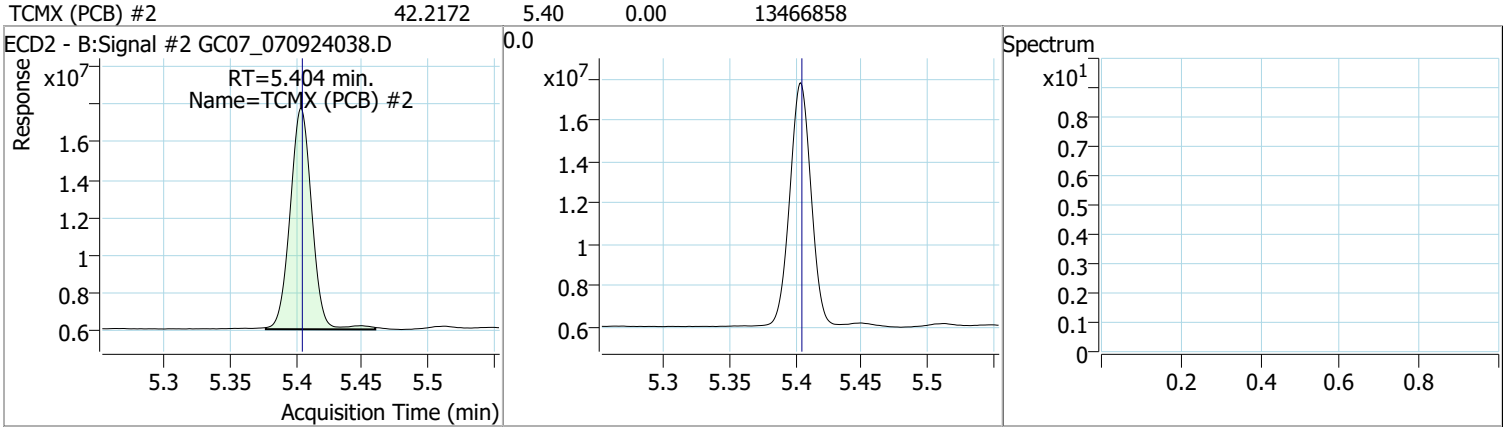
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.414	0.0	157818.652	7.8454	ng/ml	100
T AR1016 2	5.810	0.0	1998781.212	47.8298	ng/ml	100
T AR1016 1 #2	5.938	0.0	463860.538	66.0589	ng/ml	100
T AR1016 3	6.248	0.0	3151240.185	45.5581	ng/ml	100
T AR1016 2 #2	6.303	0.0	82548.404	5.6899	ng/ml	100
T AR1016 4	6.398	0.0	90220.194	2.5801	ng/ml	100
T AR1016 5	6.891	0.0	662491.004	21.5535	ng/ml	100
T AR1016 3 #2	7.028	0.0	647579.617	35.7895	ng/ml	100
T AR1016 4 #2	7.129	0.0	74678.073	5.5831	ng/ml	100
T AR1016 5 #2	7.798	0.0	14969.430	1.3837	ng/ml	100
T AR1260 1	8.855	0.0	25871519.136	419.6776	ng/ml	100
T AR1260 2	9.359	0.0	180889.959	1.9213	ng/ml	100
T AR1260 3	9.759	0.0	7767465.943	76.6762	ng/ml	100
T AR1260 1 #2	9.873	0.0	1851270.048	96.2180	ng/ml	100
T AR1260 4	10.200	0.0	13006763.766	222.0863	ng/ml	100
T AR1260 2 #2	10.262	0.0	37591.019	1.5552	ng/ml	100
T AR1260 3 #2	10.774	0.0	3977121.705	136.6961	ng/ml	100
T AR1260 5	10.938	0.0	1020409.832	14.5501	ng/ml	100
T AR1260 4 #2	11.072	0.0	50939.435	2.7689	ng/ml	100
T AR1260 5 #2	11.848	0.0	1770144.112	64.8116	ng/ml	100

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

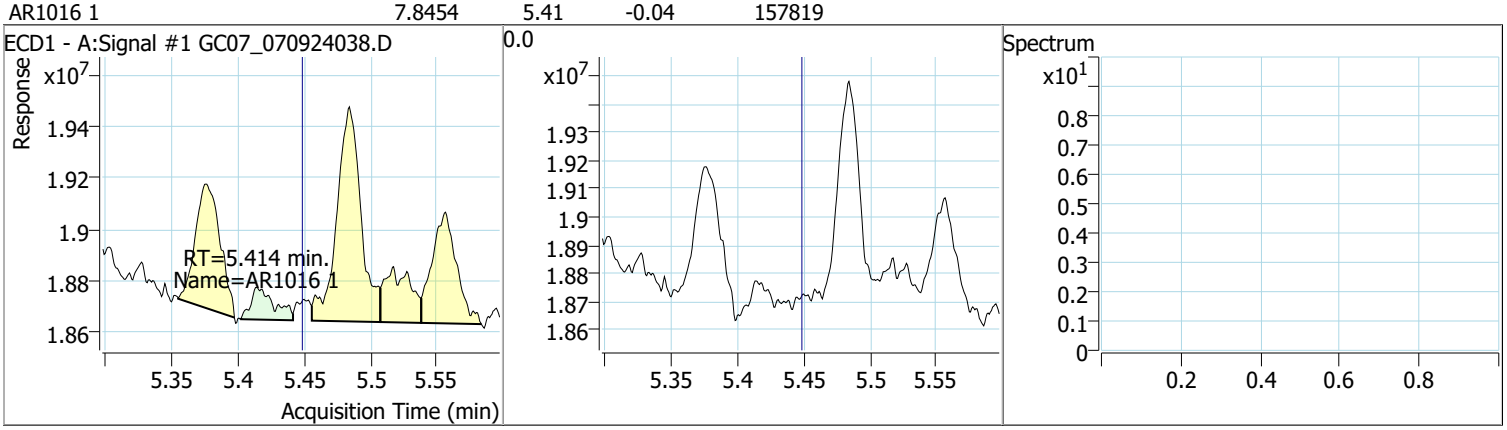
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.0046	5.09	0.00	42049260				



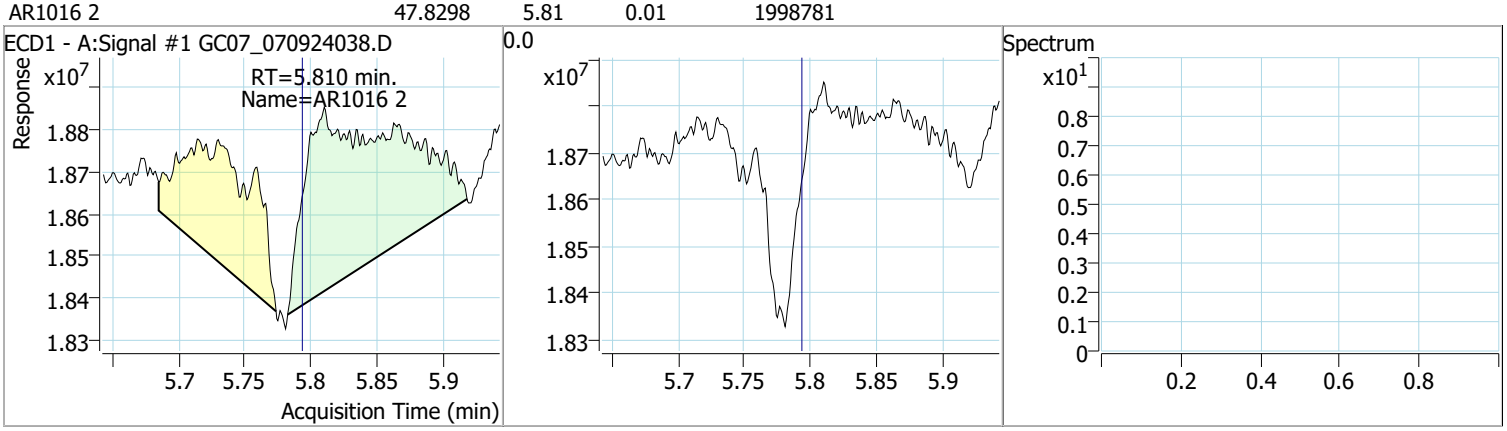
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.2172	5.40	0.00	13466858				



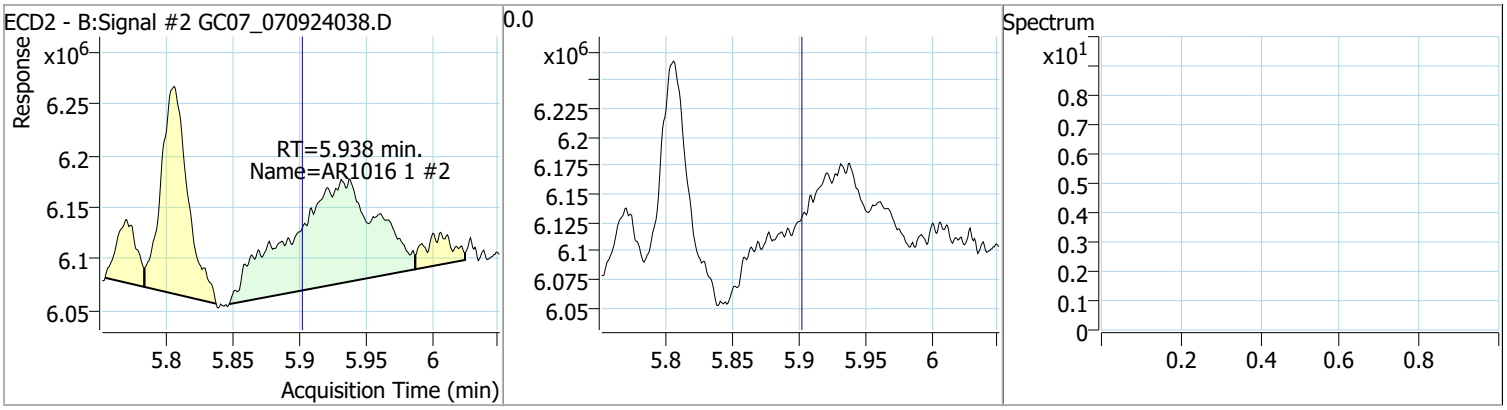
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	7.8454	5.41	-0.04	157819				



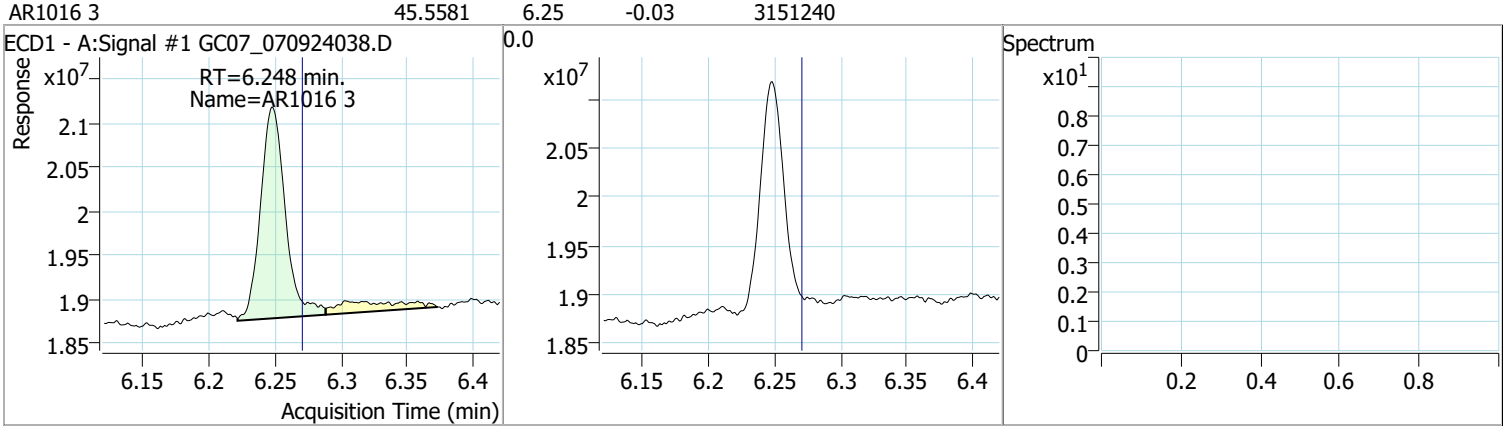
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	47.8298	5.81	0.01	1998781				



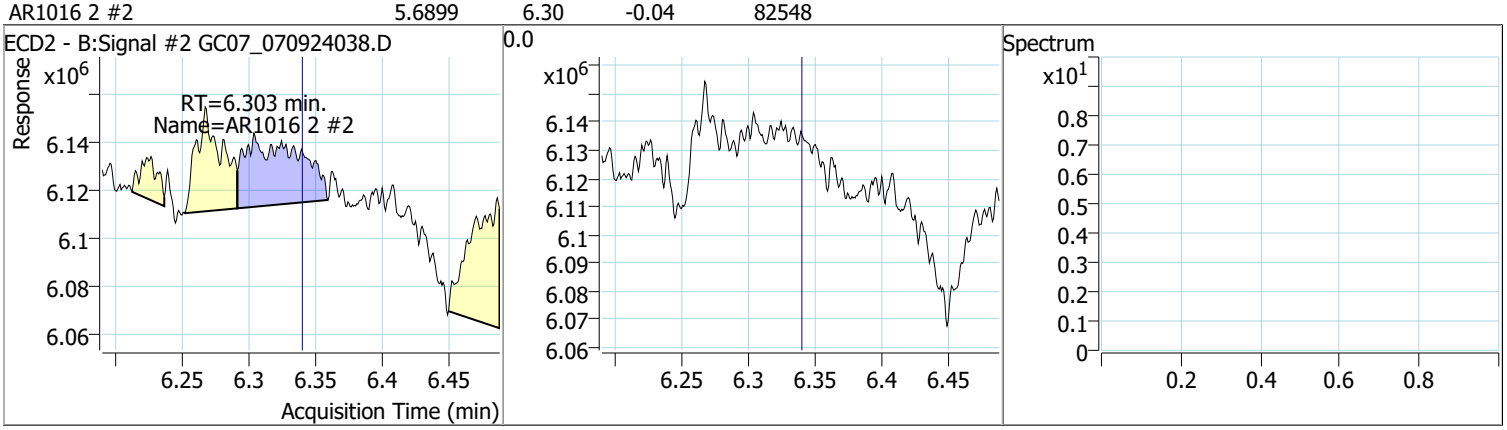
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	66.0589	5.94	0.04	463861				



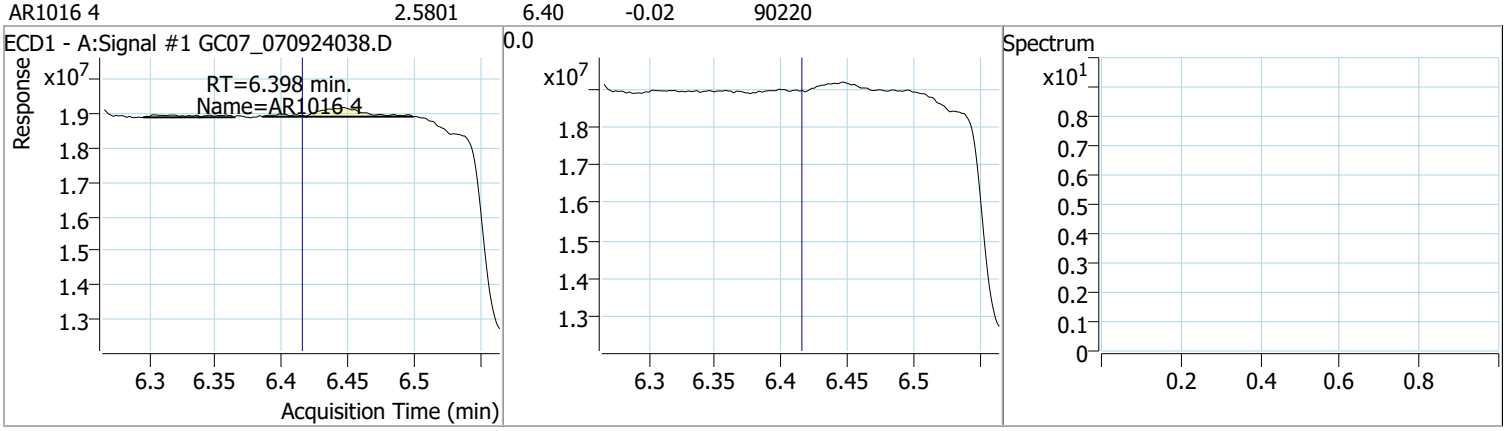
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	45.5581	6.25	-0.03	3151240				



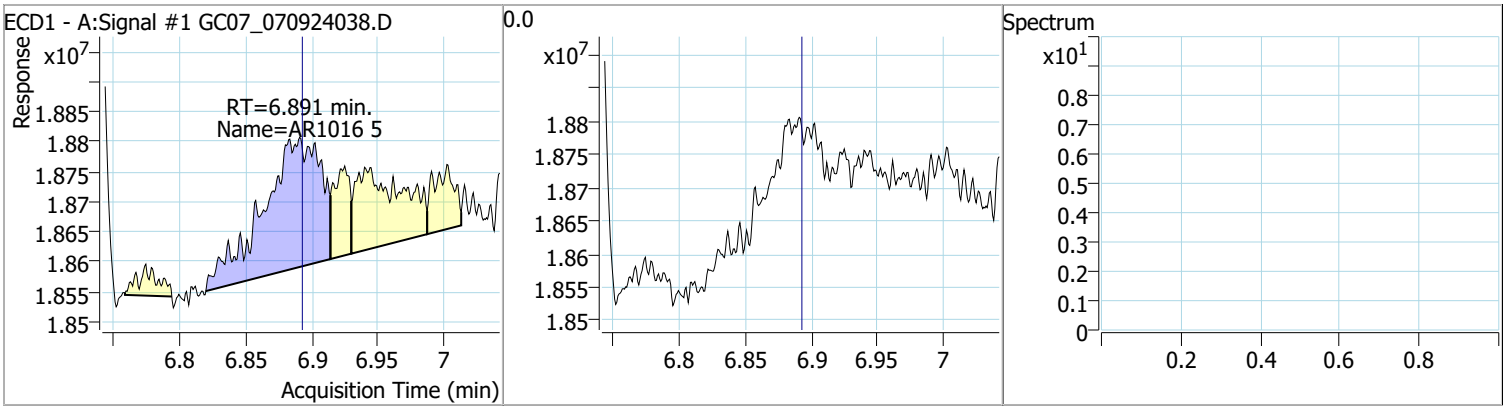
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	5.6899	6.30	-0.04	82548				



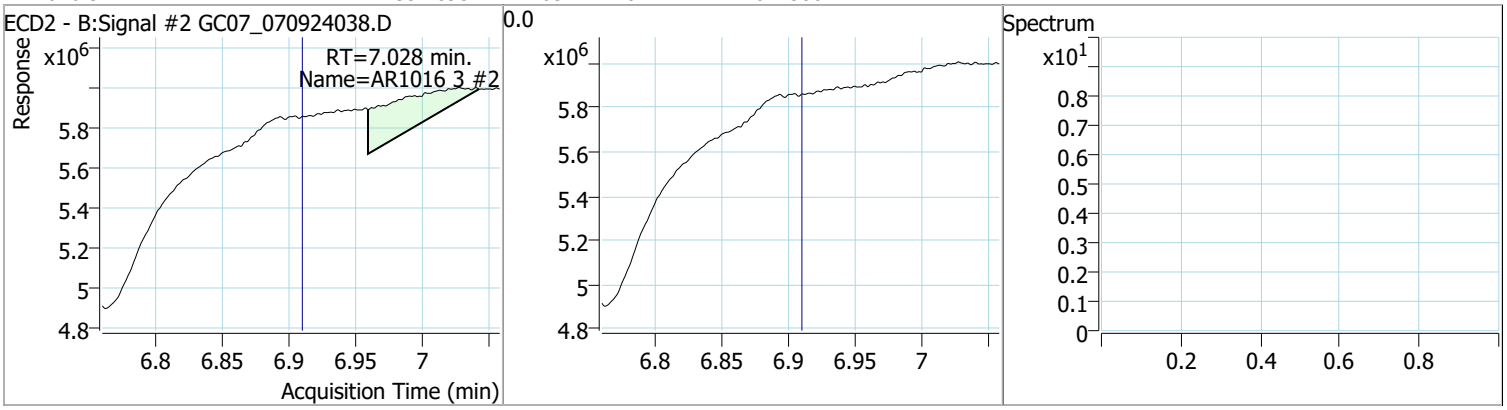
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.5801	6.40	-0.02	90220				



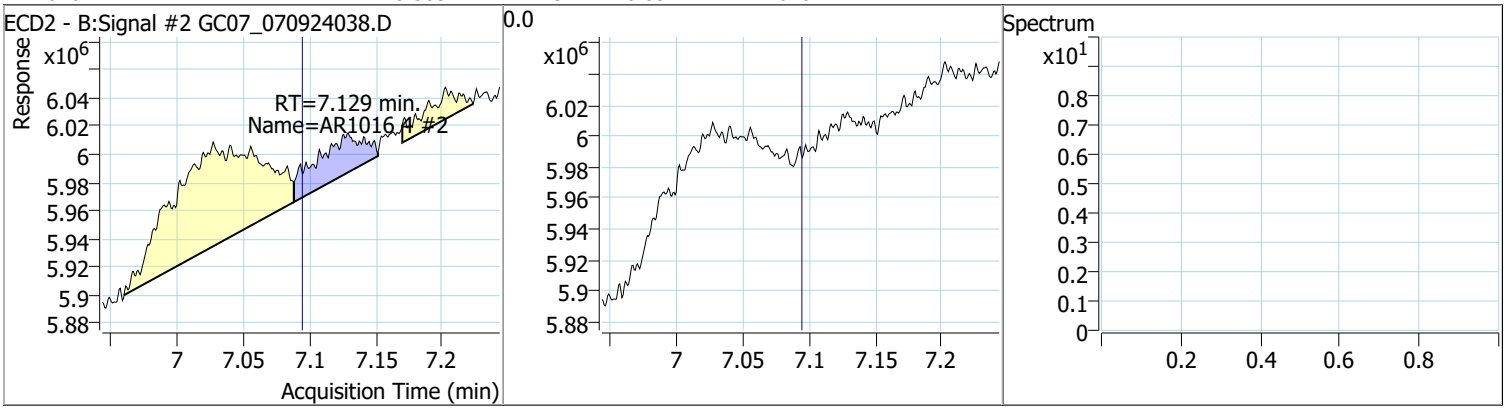
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.5535	6.89	-0.01	662491				



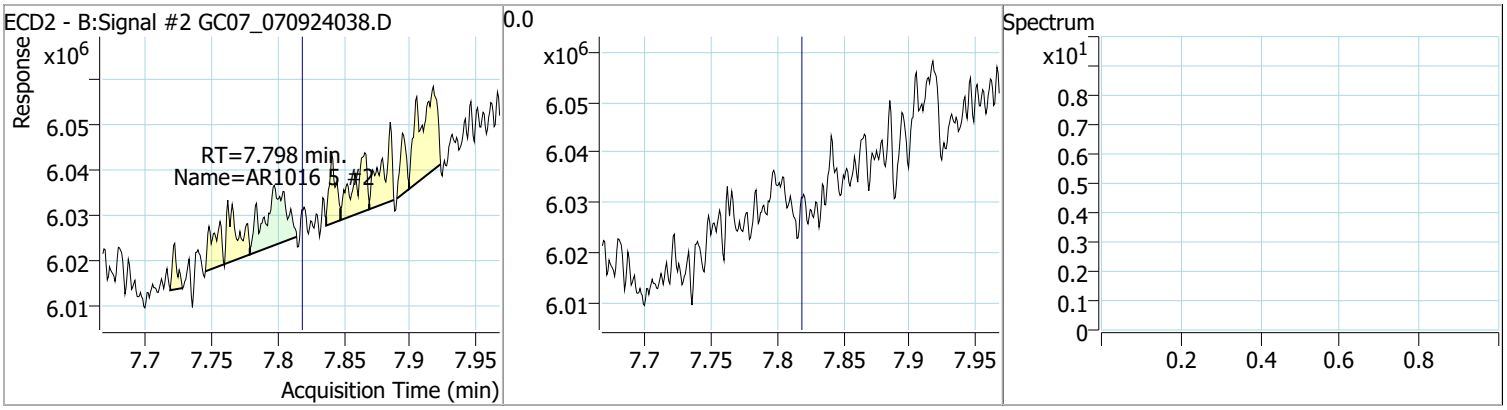
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	35.7895	7.03	0.12	647580				



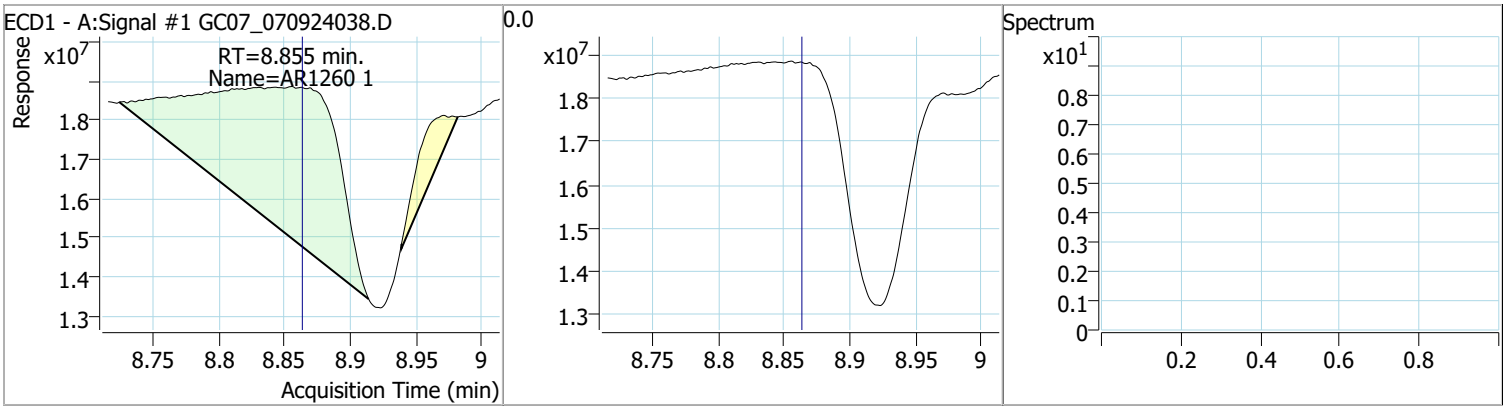
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AR1016 4 #2	5.5831	7.13	0.03	74678				



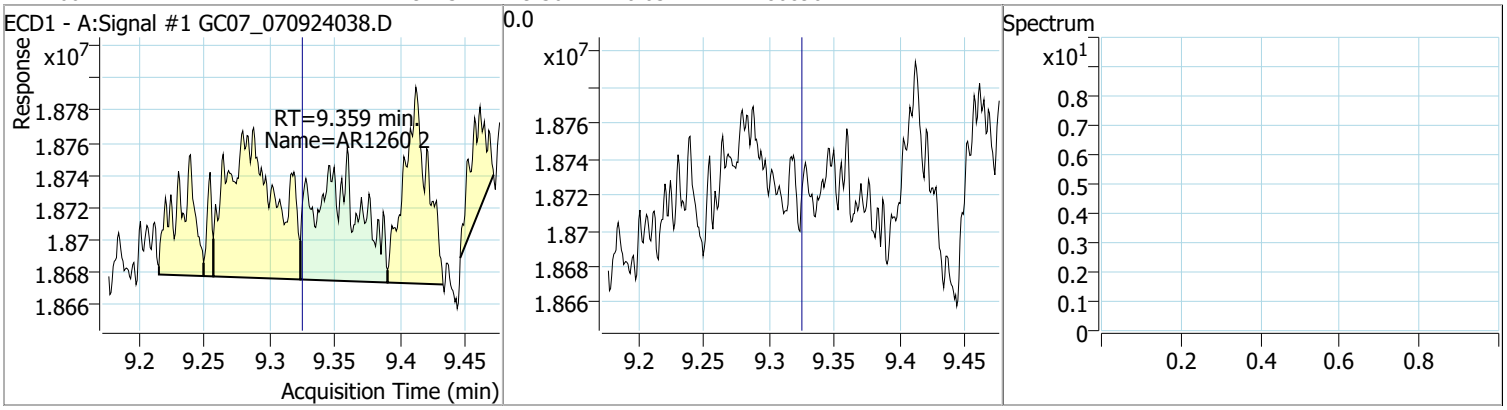
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AR1016 5 #2	1.3837	7.80	-0.02	14969				



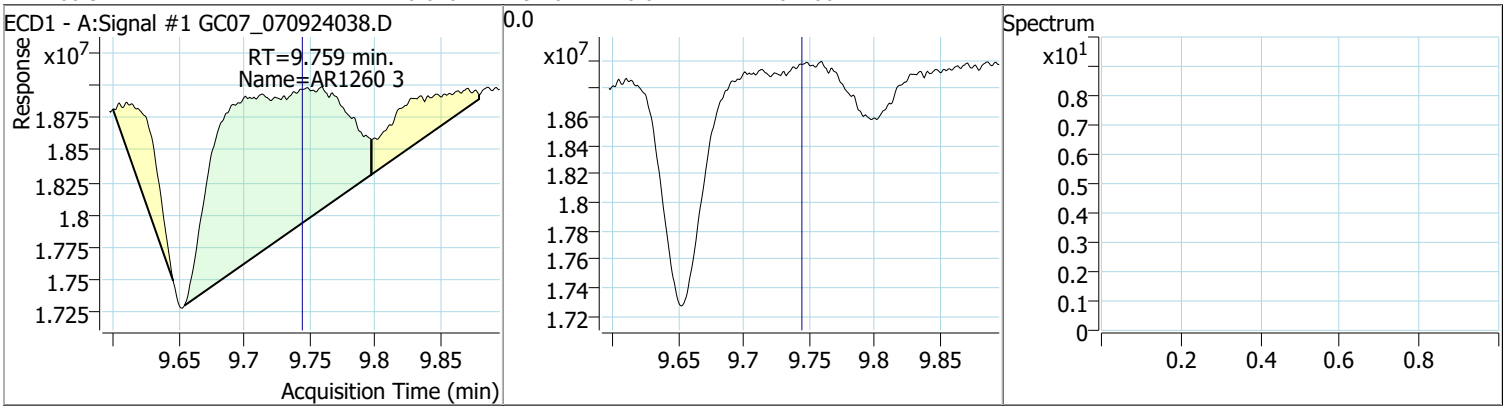
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	419.6776	8.86	-0.01	25871519				



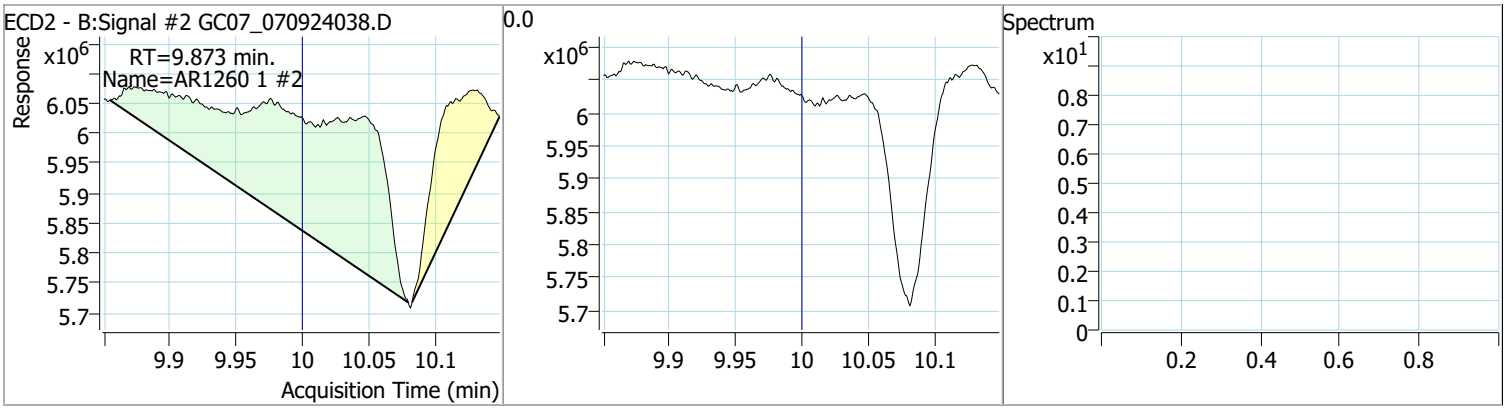
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.9213	9.36	0.03	180890				



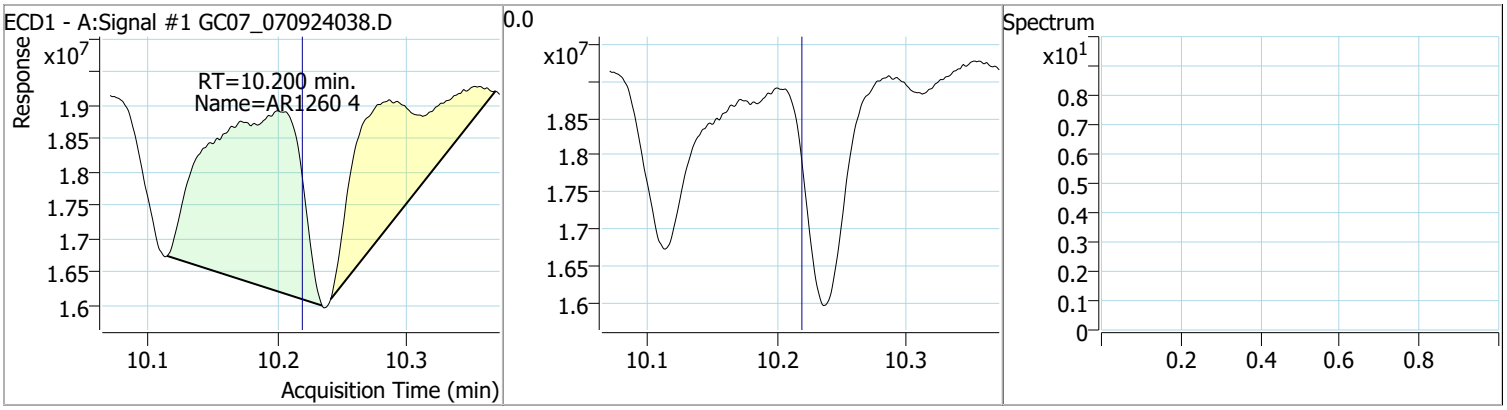
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	76.6762	9.76	0.01	7767466				



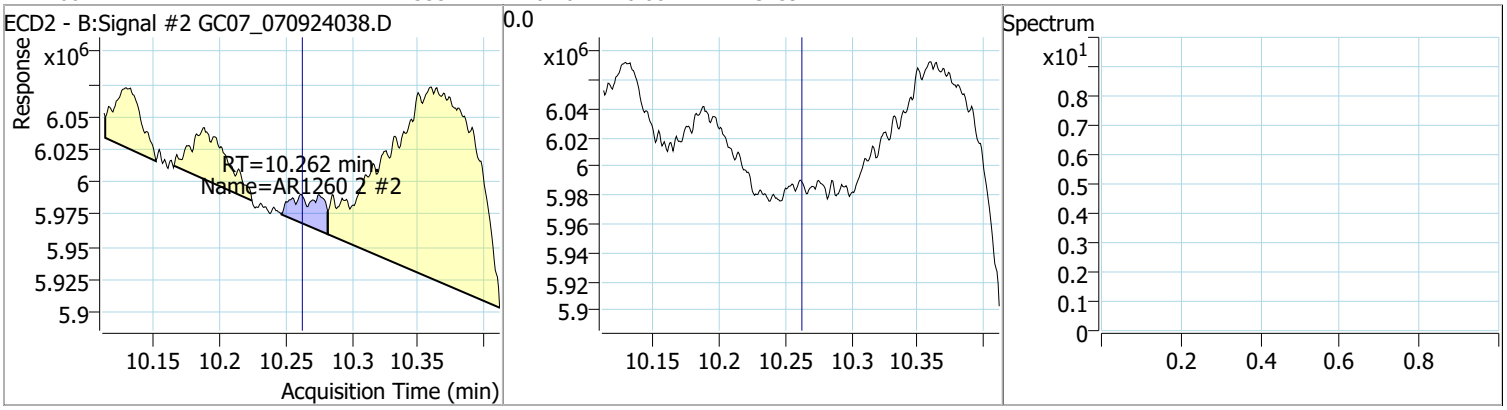
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	96.2180	9.87	-0.13	1851270				



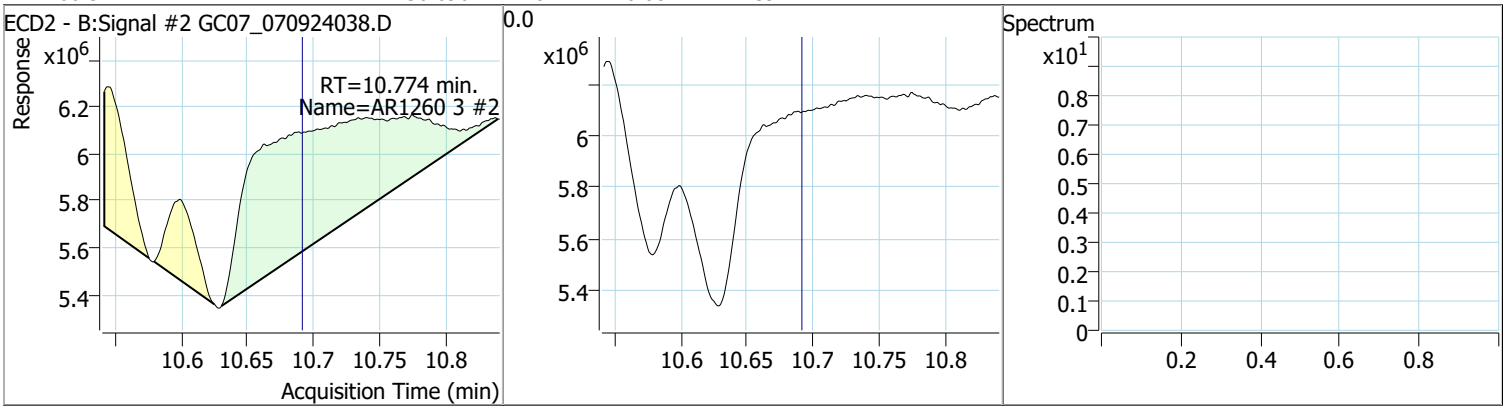
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	222.0863	10.20	-0.02	13006764				



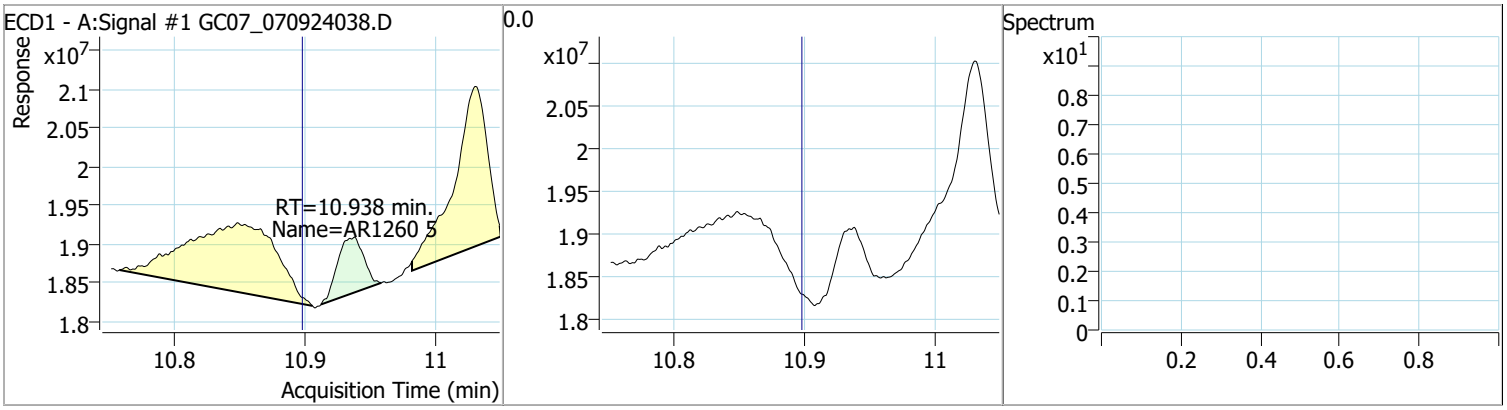
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.5552	10.26	0.00	37591				



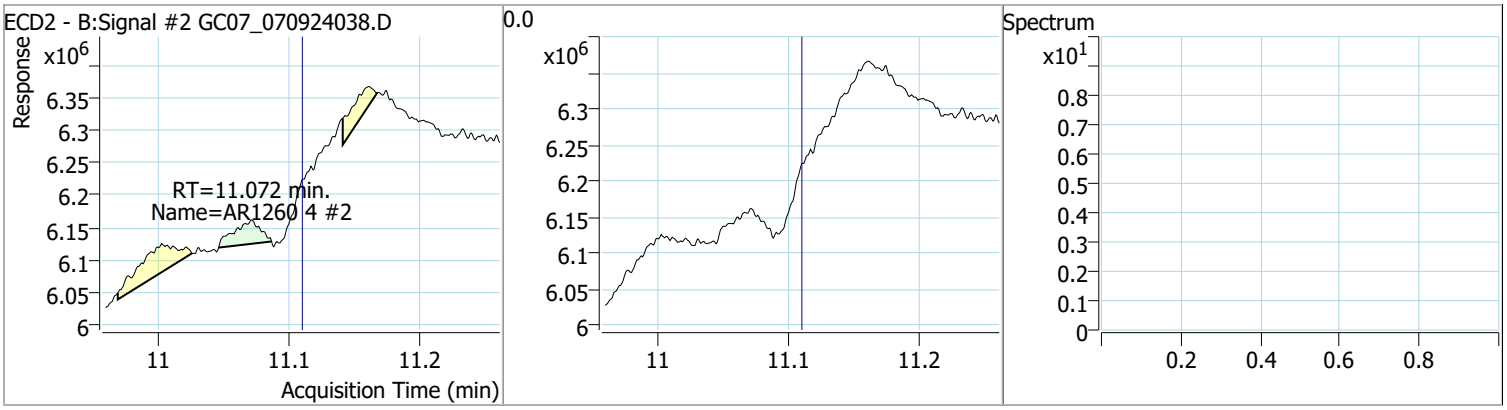
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	136.6961	10.77	0.08	3977122				



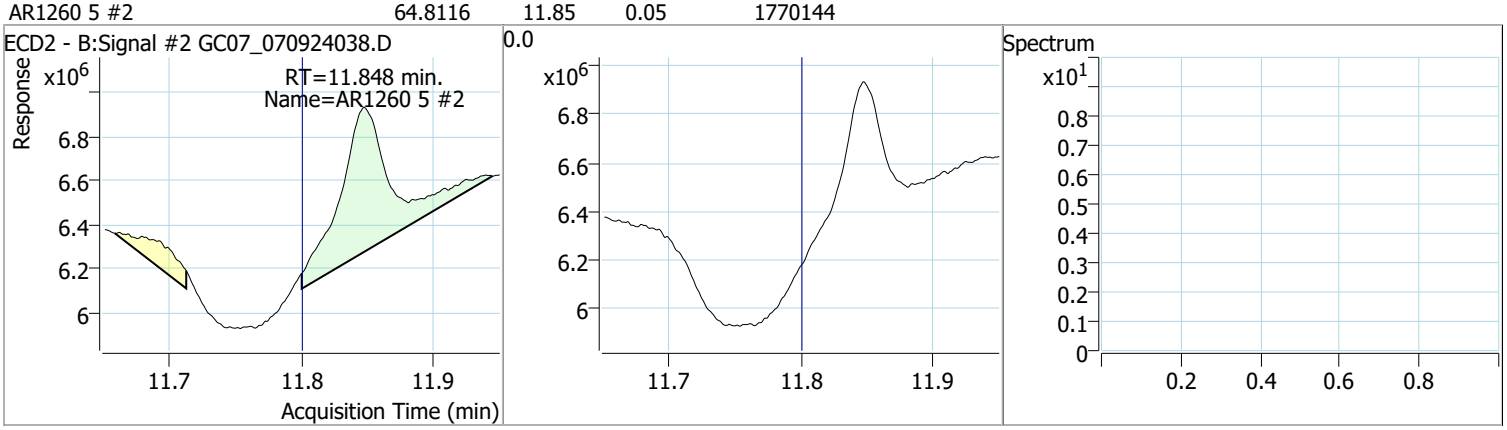
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.5501	10.94	0.03	1020410				



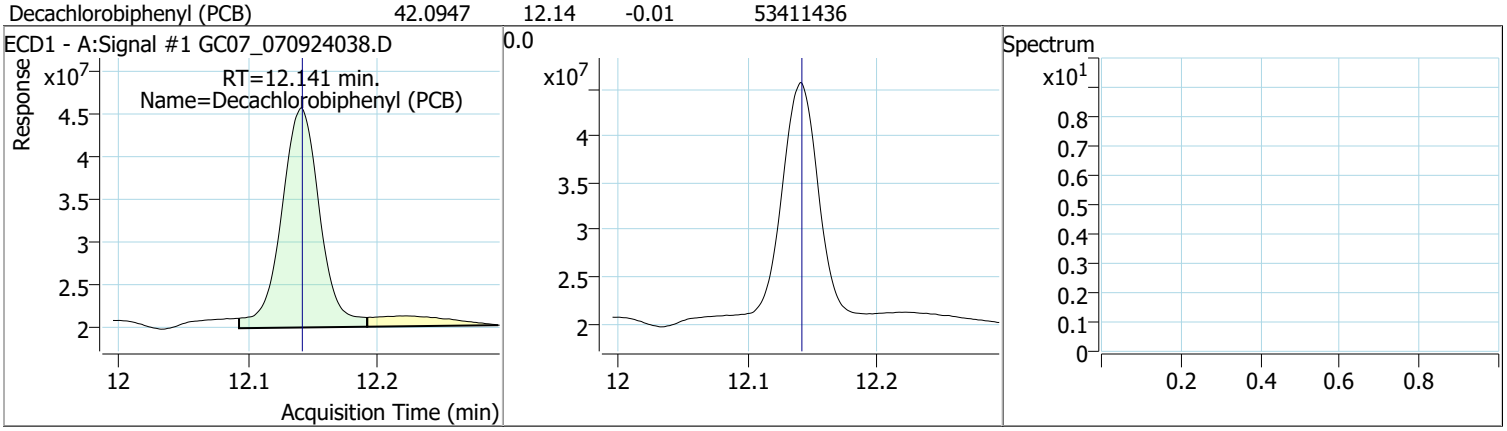
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.7689	11.07	-0.04	50939				



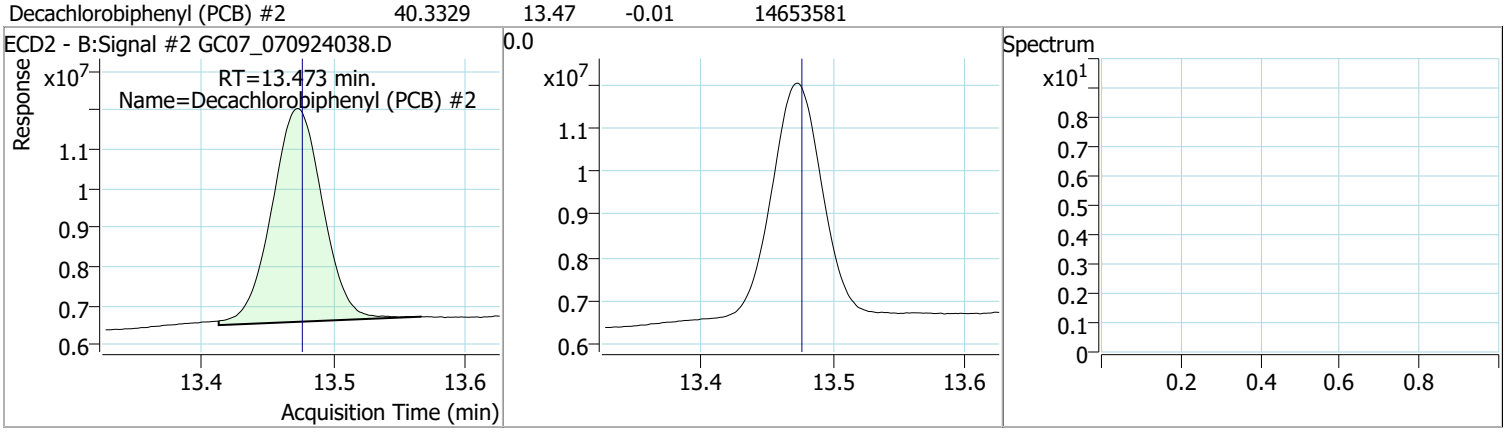
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	64.8116	11.85	0.05	1770144				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.0947	12.14	-0.01	53411436				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.3329	13.47	-0.01	14653581				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-003	Client ID:	DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA
Seqnum:	464275615039	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924039	Batch:	344625	Time:	09-JUL-2024 20:56
Cal:	464259633001	Caldate:	28-JUN-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	28.97	ug/L	ND	0.91	103%	0.50		u
Aroclor-1016 Peak # 1	B	81.75	ug/L	0.82	0.19	124%			
Aroclor-1016 Peak # 2	B	7.586	ug/L	0.08	0.05	39%			
Aroclor-1016 Peak # 3	B	36.53	ug/L	0.37	3.88	166%			
Aroclor-1016 Peak # 4	B	18.51	ug/L	0.19	0.05	118%			
Aroclor-1016 Peak # 5	B	0.5000	ug/L	0.01	0.37	195%			
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	37.10	ug/L	ND	0.96	88%	0.50		u
Aroclor-1260 Peak # 1	B	63.53	ug/L	0.64	3.13	132%			
Aroclor-1260 Peak # 2	B	4.291	ug/L	0.04	0.03	39%			
Aroclor-1260 Peak # 3	B	11.93	ug/L	0.12	0.02	144%			
Aroclor-1260 Peak # 4	B	50.55	ug/L	0.51	1.50	99%			
Aroclor-1260 Peak # 5	B	55.19	ug/L	0.55	0.10	140%			
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	47.22	pg/uL	0.5000	0.4722	94	19-121	u
Decachlorobiphenyl (PCB)	B	44.73	pg/uL	0.5000	0.4473	89	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7337413	1.72
1-bromo-2-nitrobenzene (PCB)	A	26536532	27030968	1.86

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

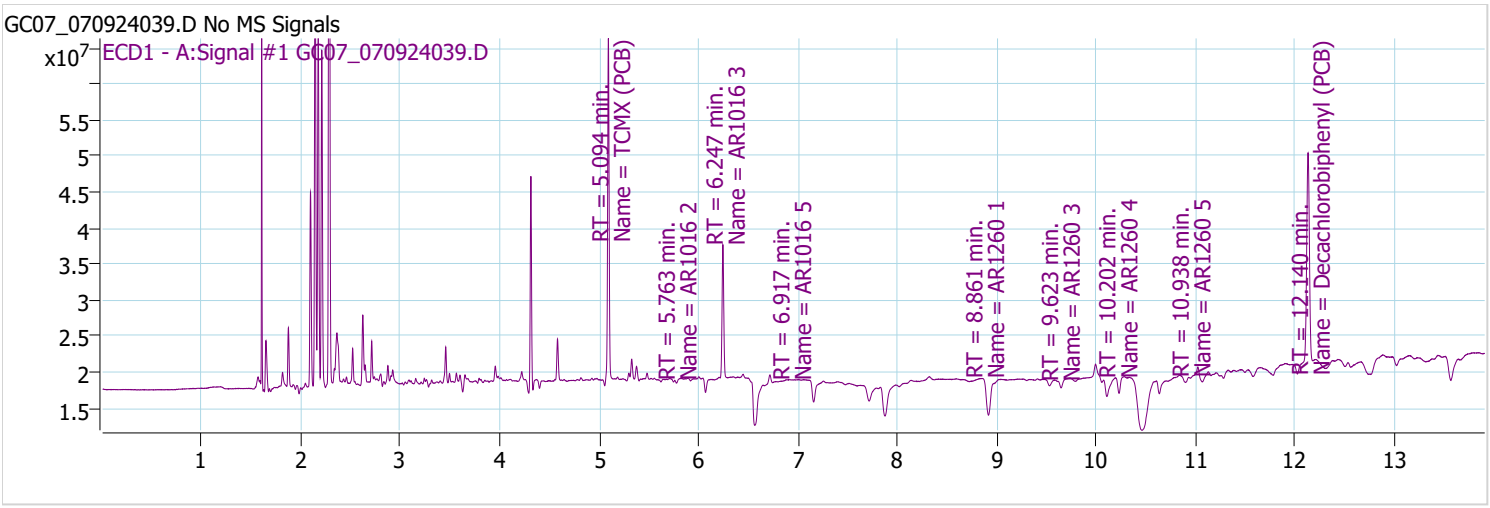
07/10/24 : WIPE/1S-10ML

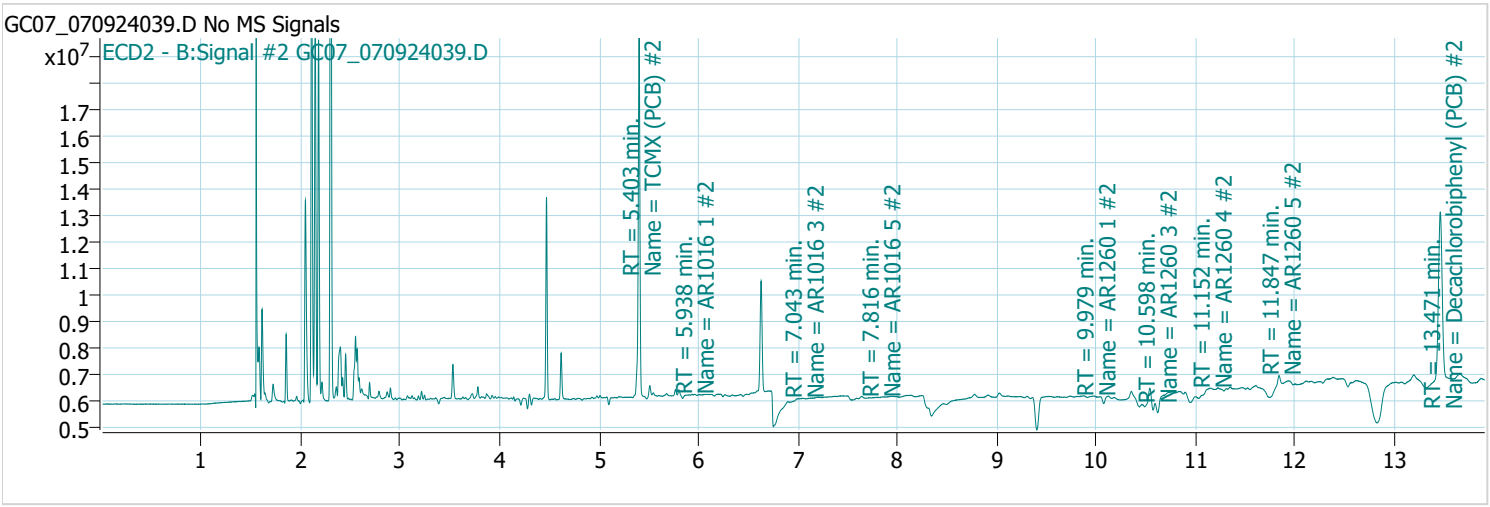
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Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924039.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 8:56:52 PM
Sample Name	511602-003, 344625, 1	Instrument	SVOA-GC07
Vial	21	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



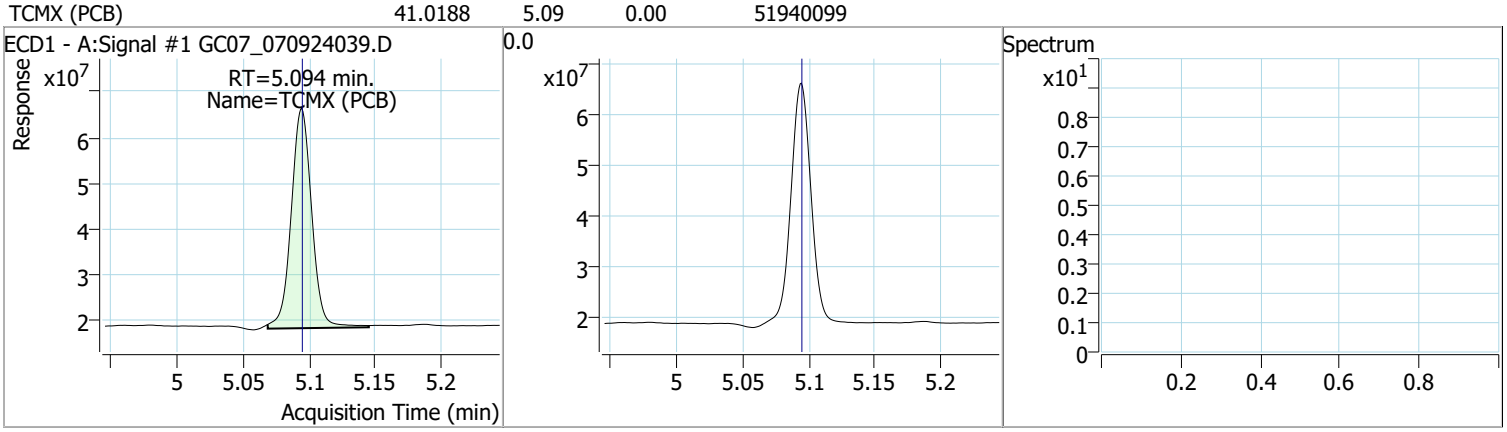


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	27030967.663	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7337412.696	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	51940099.374	41.0188	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.09%		*	
S TCMX (PCB) #2	5.403	0.0	16617420.829	47.2168	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.08%		*	
S Decachlorobiphenyl (PCB)	12.140	0.0	62199846.353	41.7355	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.68%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	17930624.536	44.7322	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.66%		*	
Target Compounds							QValue

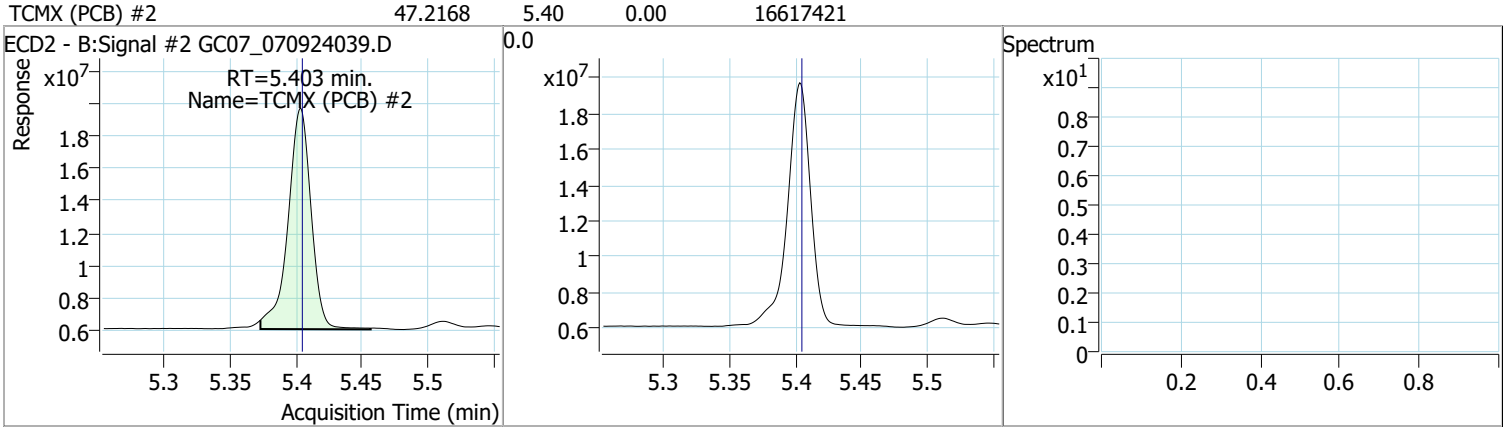
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.454	0.0	449645.600	19.0305	ng/ml	100
T AR1016 2	5.763	0.0	251409.367	5.1220	ng/ml	100
T AR1016 1 #2	5.938	0.0	633338.251	81.7502	ng/ml	100
T AR1016 3	6.247	0.0	22779033.031	388.4228	ng/ml	100
T AR1016 2 #2	6.344	0.0	121422.384	7.5859	ng/ml	100
T AR1016 4	6.393	0.0	195807.141	4.7674	ng/ml	100
T AR1016 5	6.917	0.0	1334040.081	36.9514	ng/ml	100
T AR1016 3 #2	7.043	0.0	729258.591	36.5303	ng/ml	100
T AR1016 4 #2	7.043	0.0	273115.755	18.5070	ng/ml	100
T AR1016 5 #2	7.816	0.0	5967.847	0.5000	ng/ml	100
T AR1260 1	8.861	0.0	22640181.168	312.6779	ng/ml	100
T AR1260 2	9.335	0.0	320484.928	2.8980	ng/ml	100
T AR1260 3	9.623	0.0	229664.654	1.9302	ng/ml	100
T AR1260 1 #2	9.979	0.0	1348548.087	63.5276	ng/ml	100
T AR1260 4	10.202	0.0	10348378.913	150.4348	ng/ml	100
T AR1260 2 #2	10.186	0.0	114440.970	4.2914	ng/ml	100
T AR1260 3 #2	10.598	0.0	382928.276	11.9293	ng/ml	100
T AR1260 5	10.938	0.0	805941.962	9.7840	ng/ml	100
T AR1260 4 #2	11.152	0.0	1026078.350	50.5518	ng/ml	100
T AR1260 5 #2	11.847	0.0	1662926.556	55.1857	ng/ml	100

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

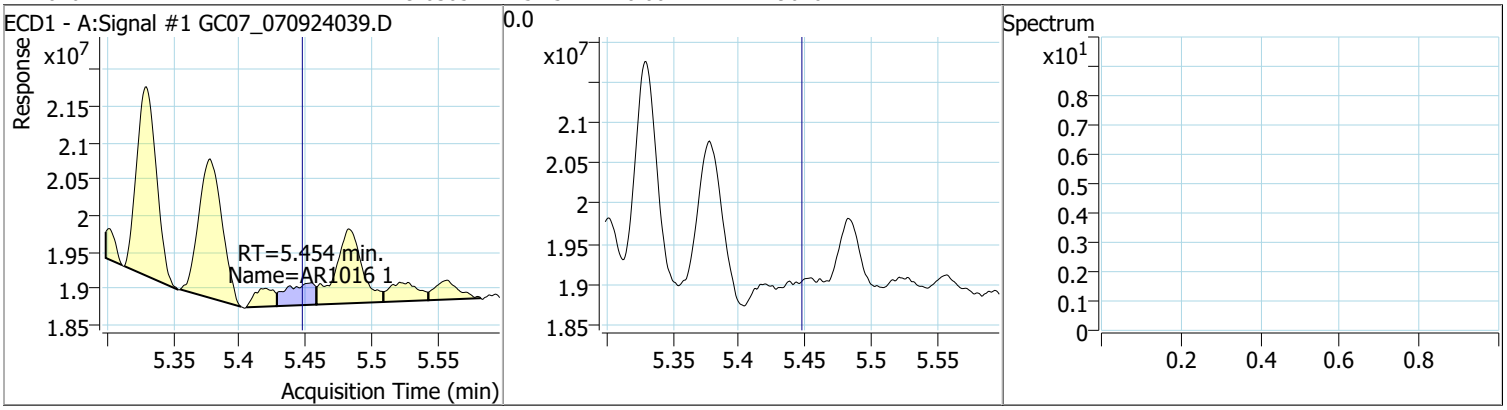
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.0188	5.09	0.00	51940099				



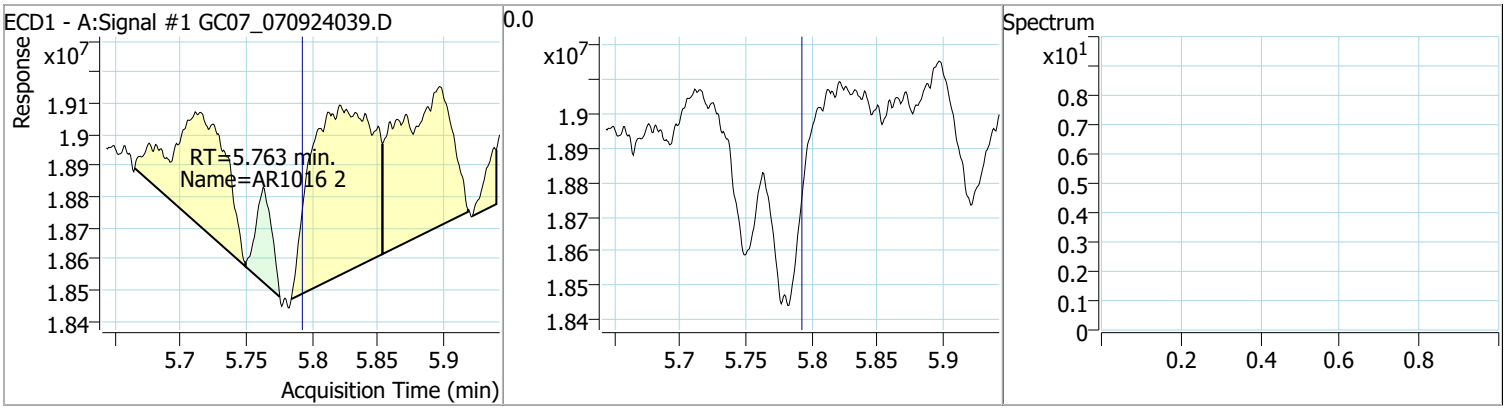
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.2168	5.40	0.00	16617421				



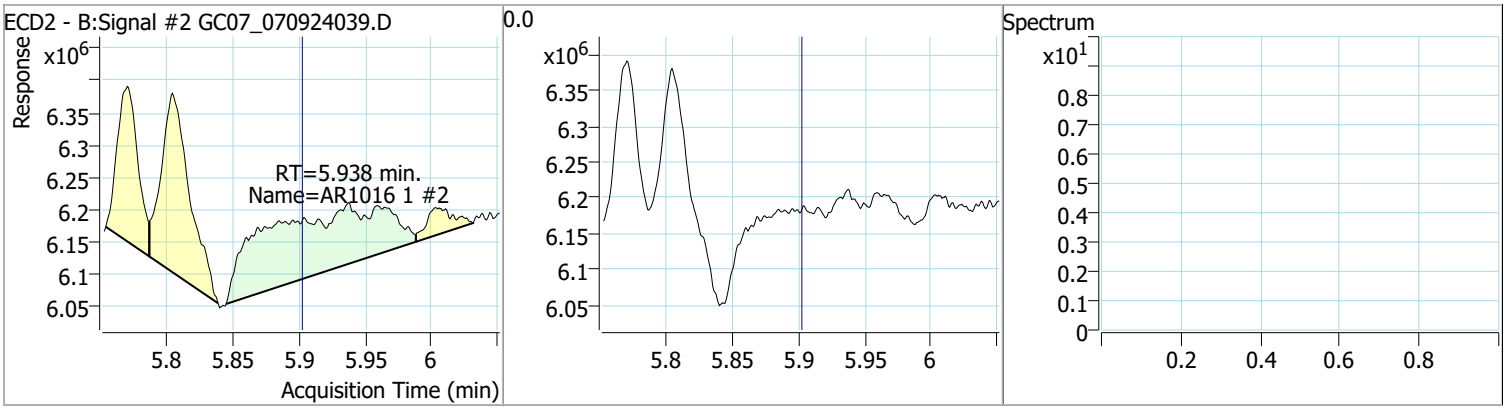
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	19.0305	5.45	0.00	449646				



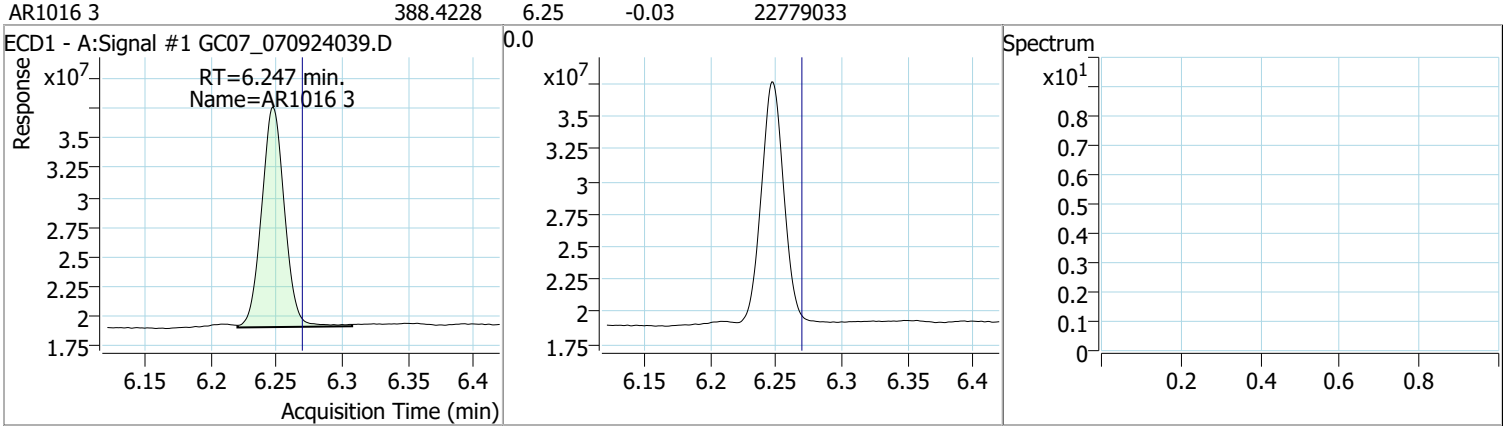
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.1220	5.76	-0.03	251409				



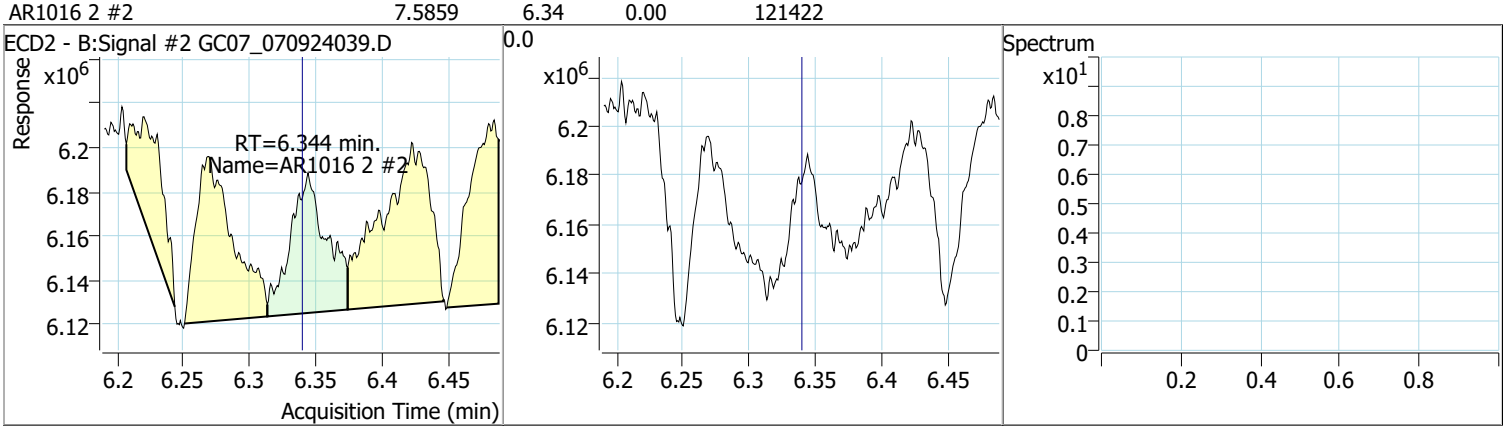
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	81.7502	5.94	0.03	633338				



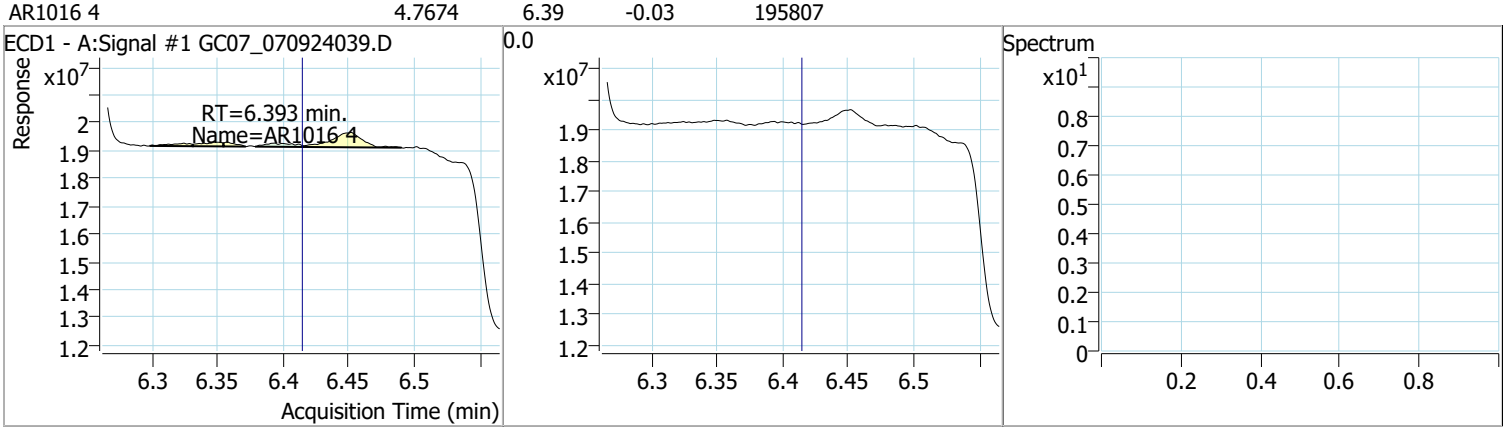
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	388.4228	6.25	-0.03	22779033				



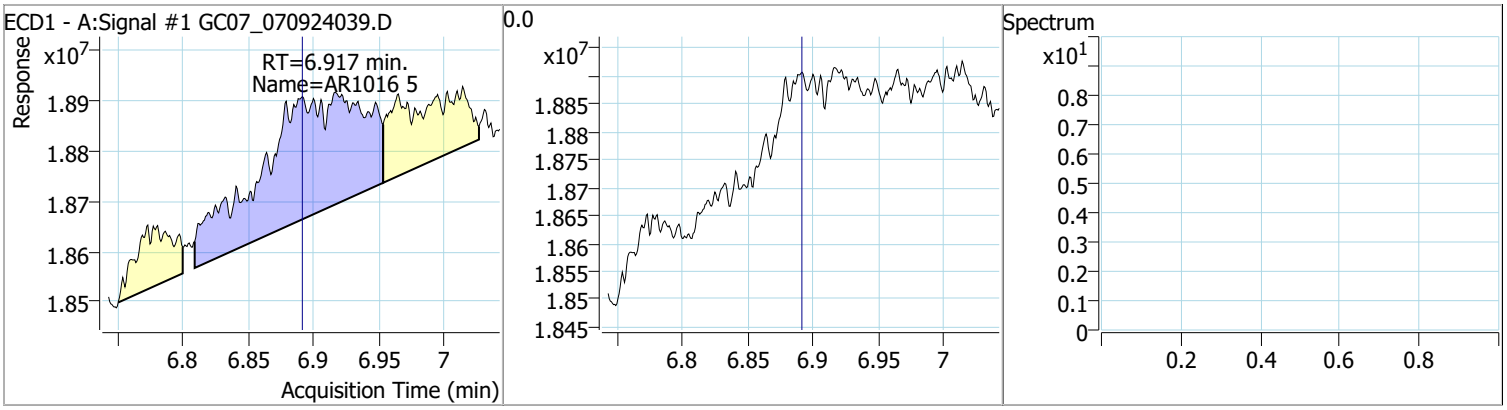
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.5859	6.34	0.00	121422				



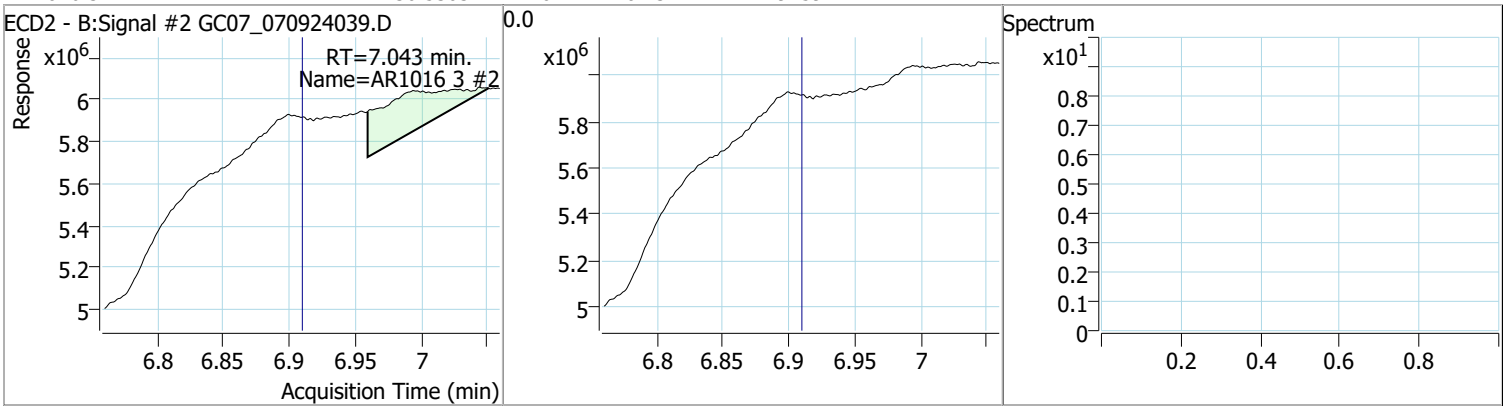
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.7674	6.39	-0.03	195807				



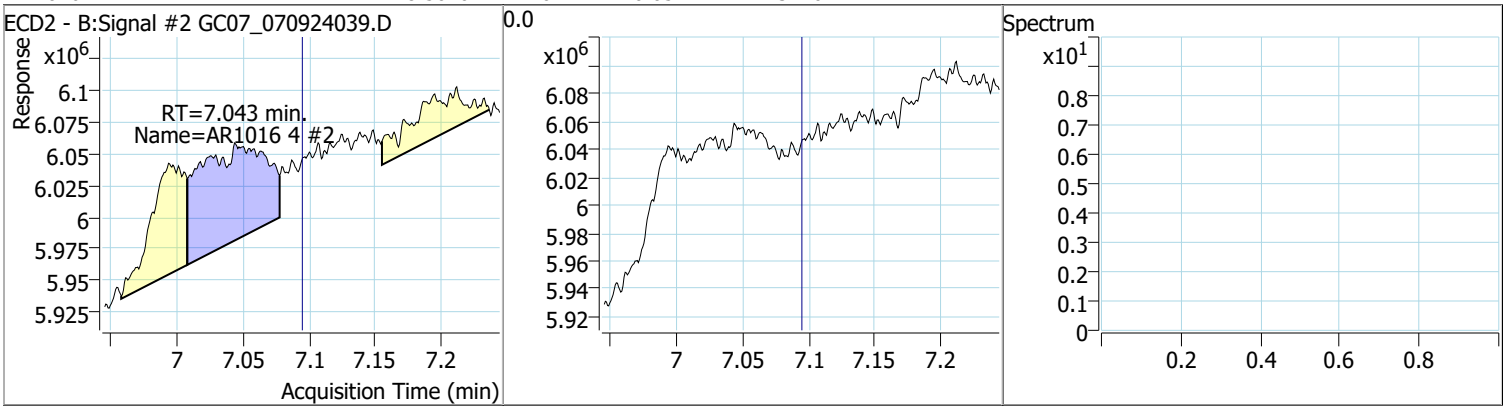
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	36.9514	6.92	0.02	1334040				



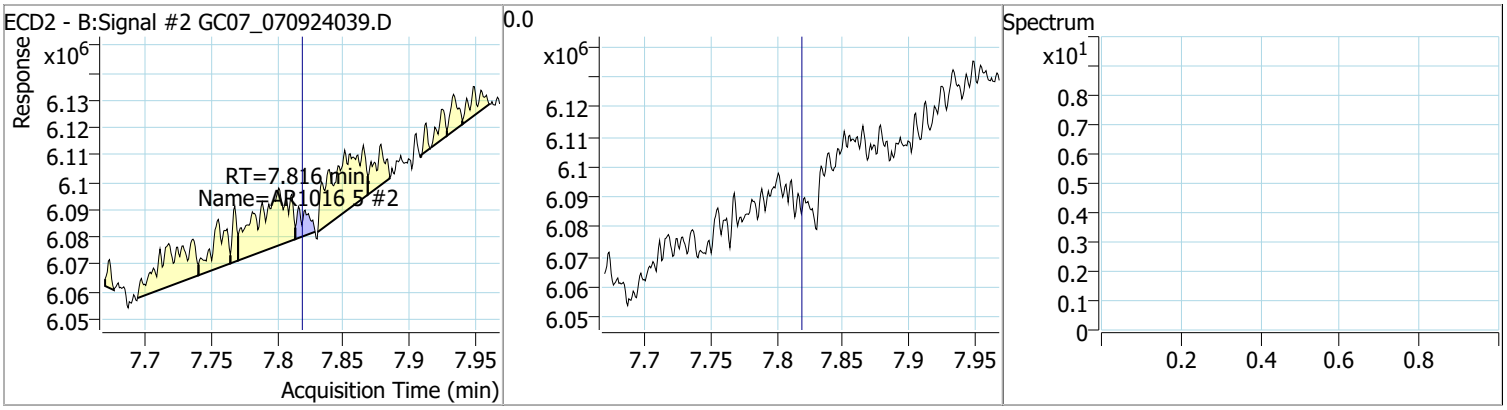
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	36.5303	7.04	0.13	729259				



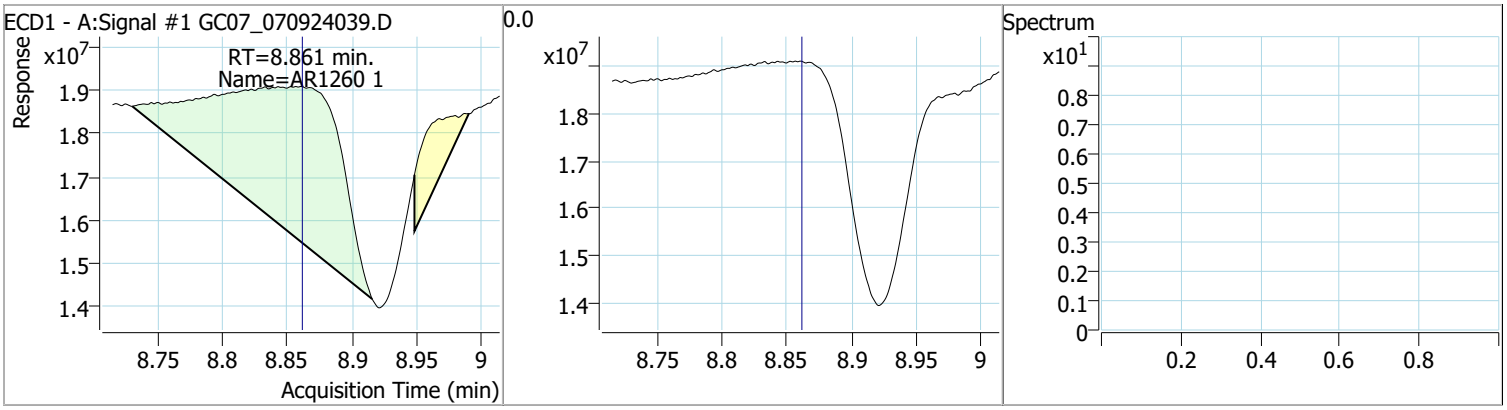
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	18.5070	7.04	-0.05	273116				



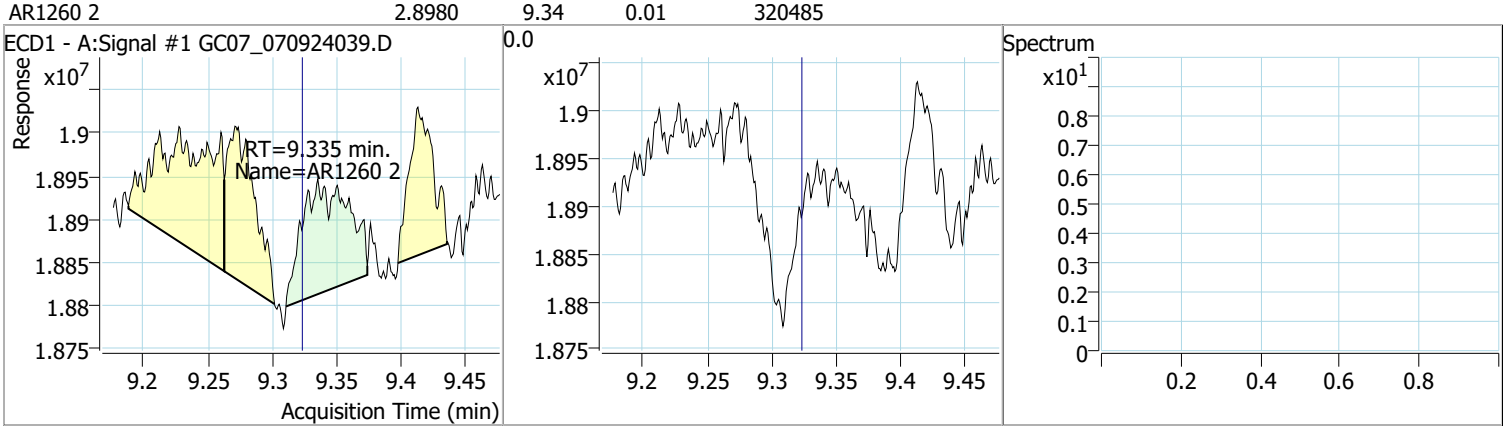
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5000	7.82	0.00	5968				



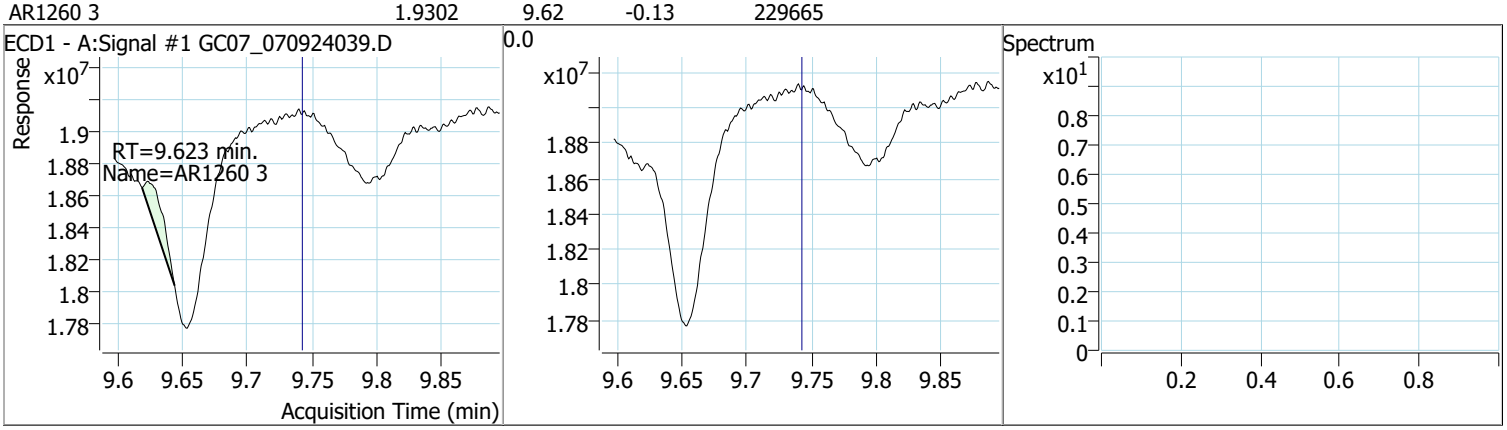
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	312.6779	8.86	-0.01	22640181				



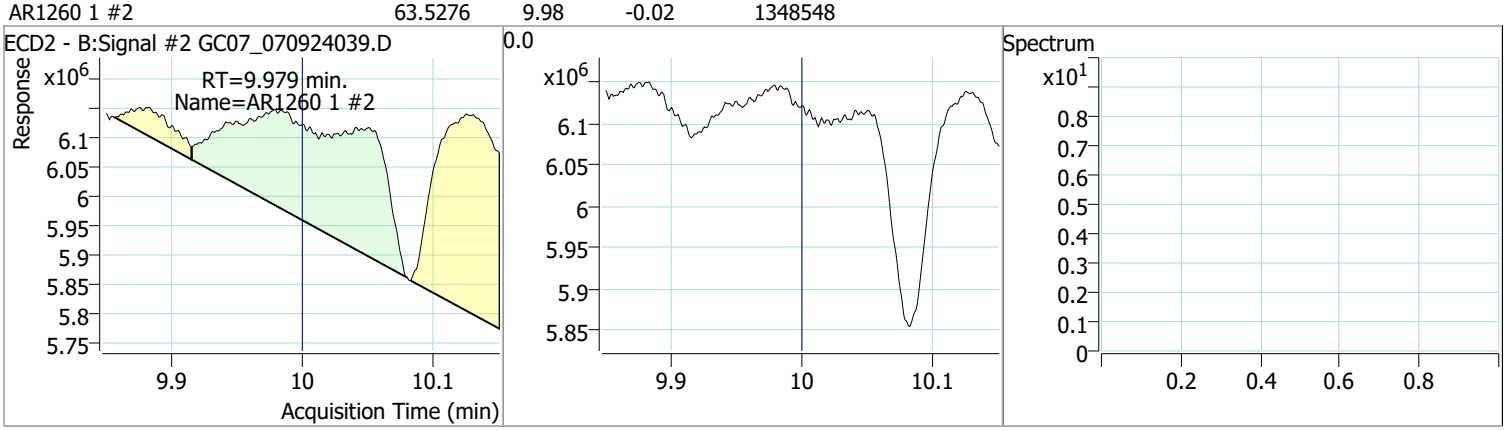
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.8980	9.34	0.01	320485				



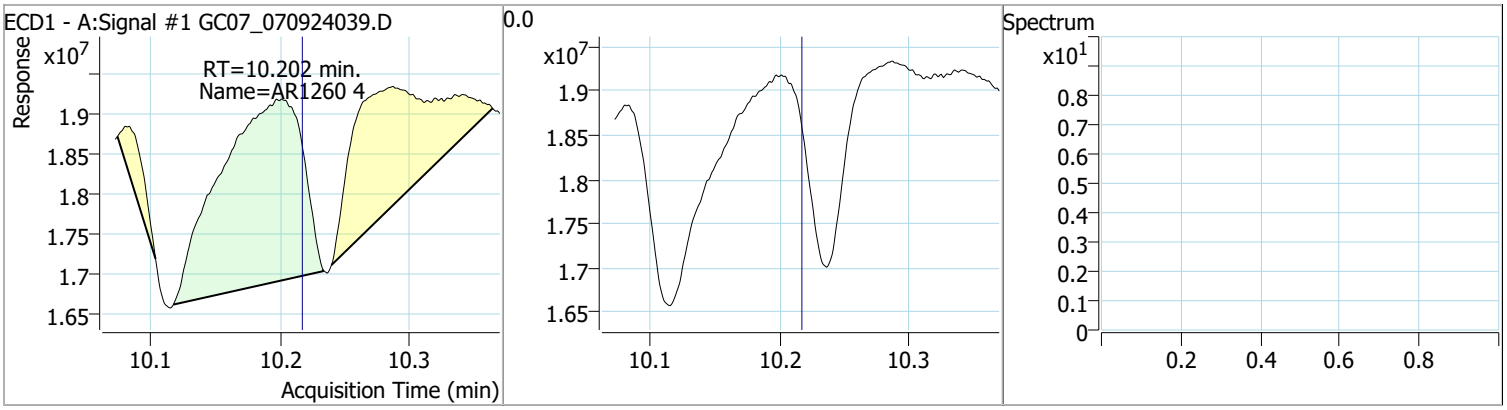
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.9302	9.62	-0.13	229665				



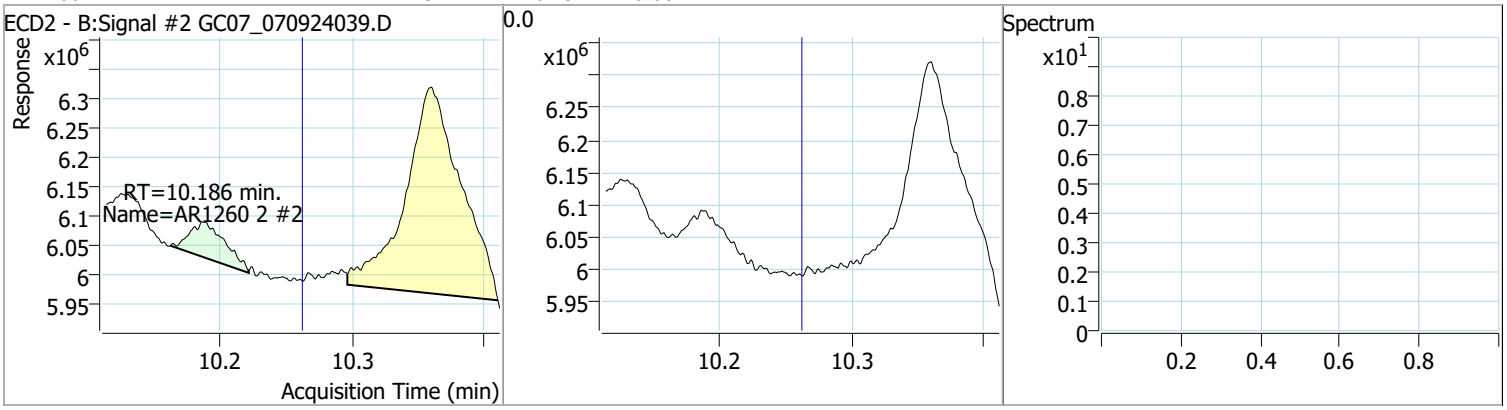
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	63.5276	9.98	-0.02	1348548				



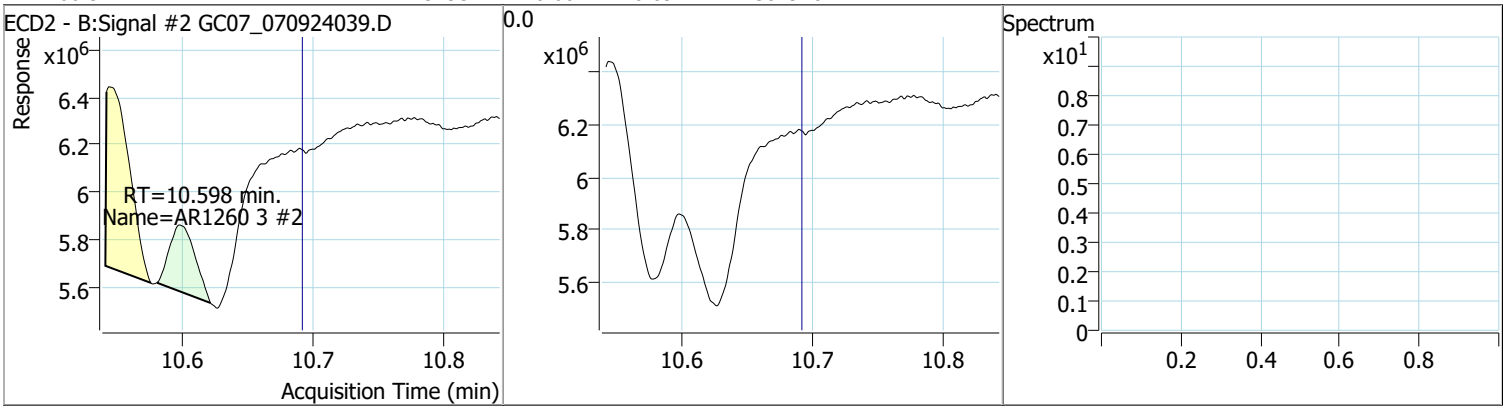
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	150.4348	10.20	-0.02	10348379				



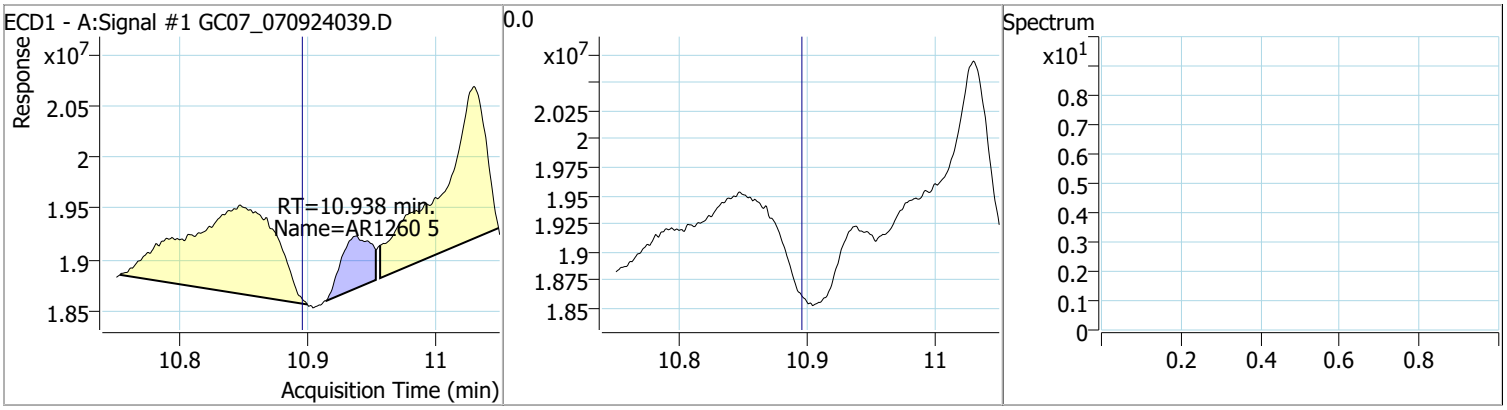
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.2914	10.19	-0.08	114441				



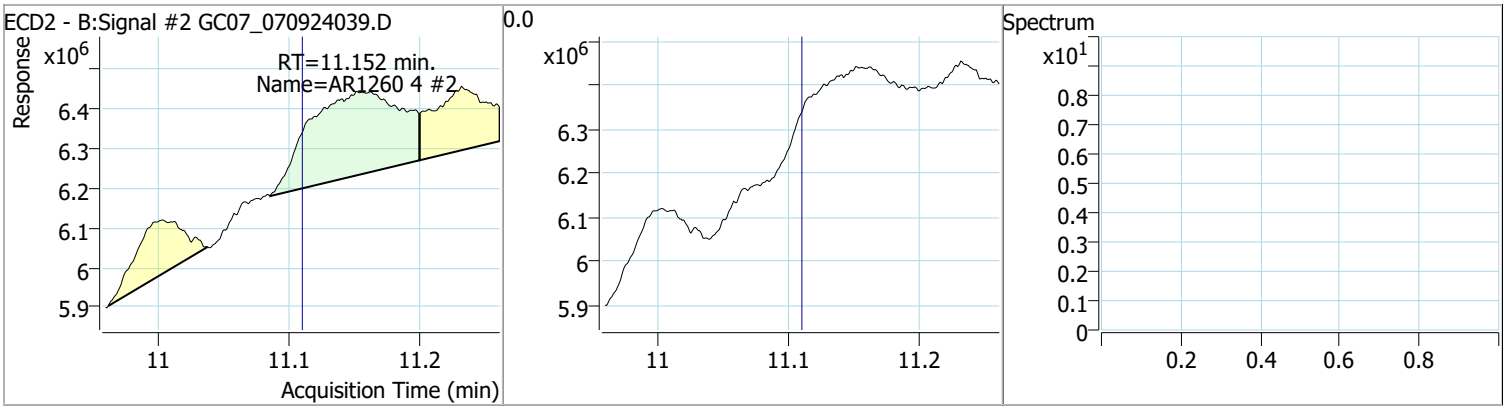
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.9293	10.60	-0.09	382928				



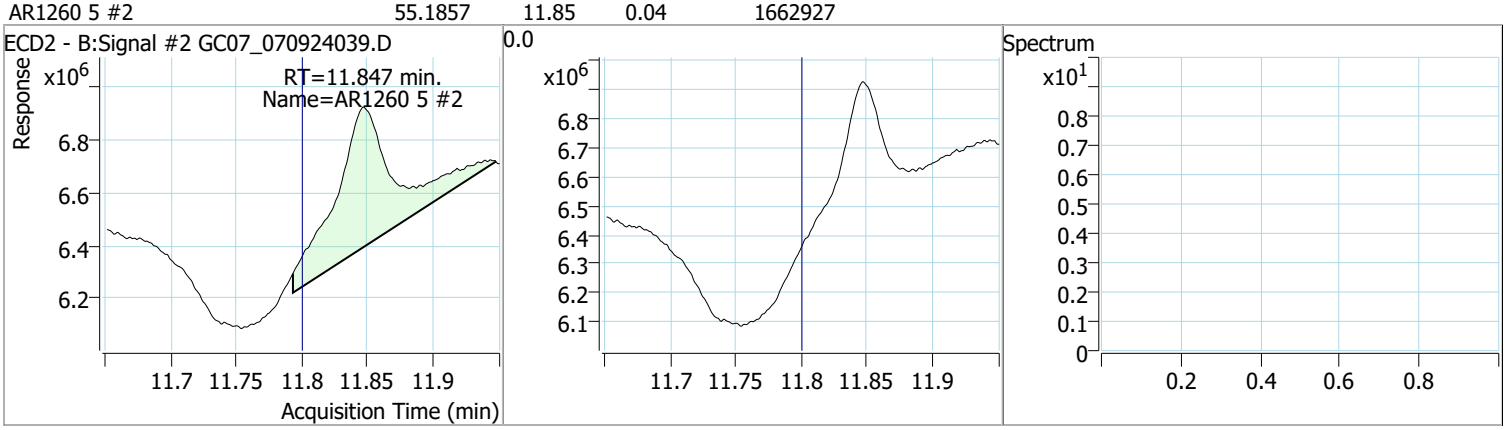
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.7840	10.94	0.03	805942				



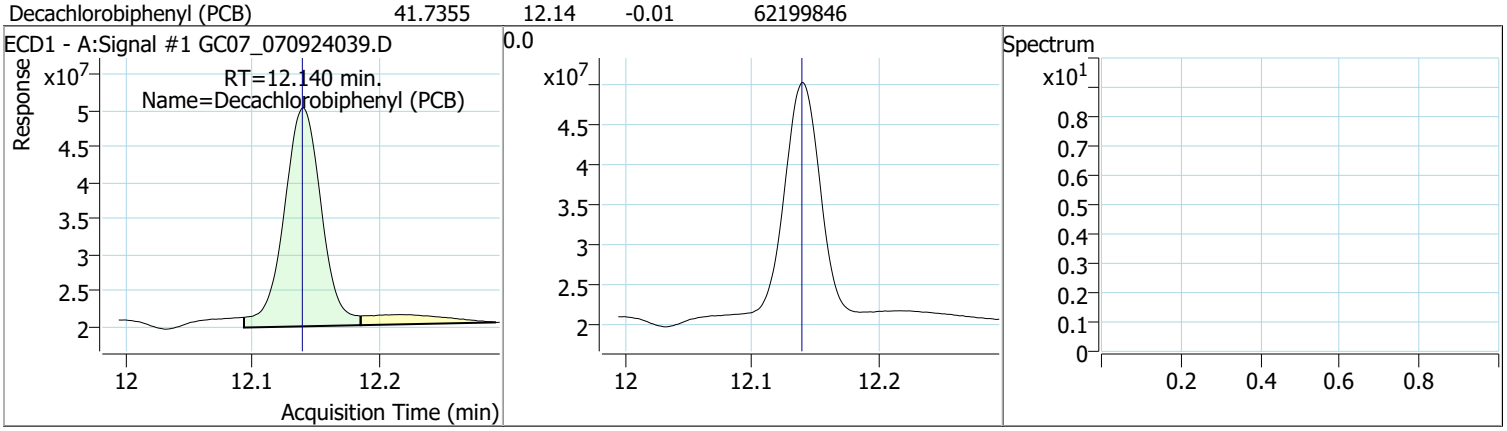
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	50.5518	11.15	0.04	1026078				



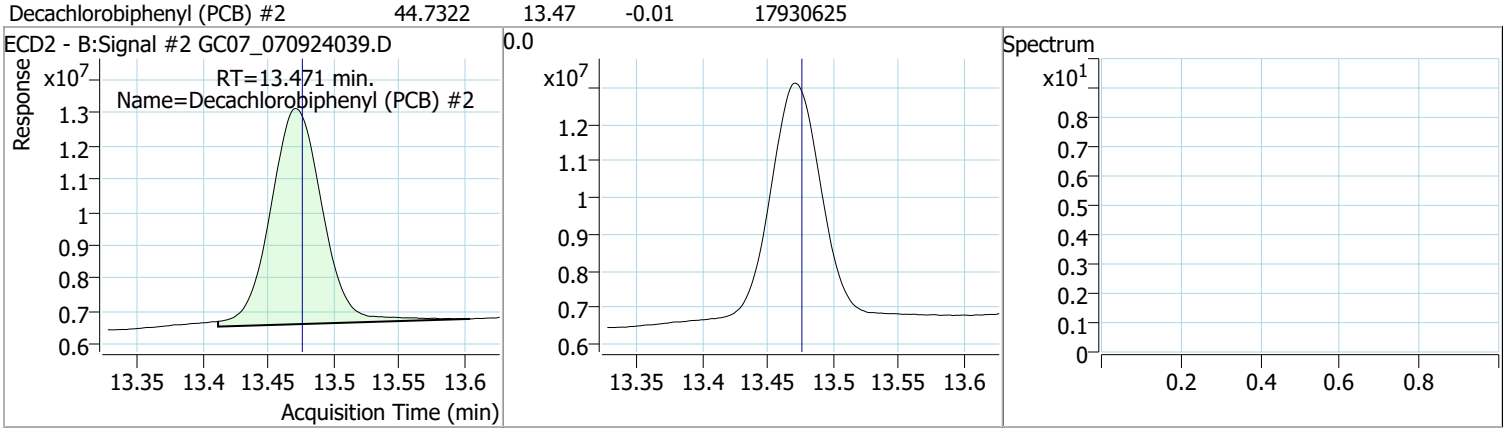
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.1857	11.85	0.04	1662927				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.7355	12.14	-0.01	62199846				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.7322	13.47	-0.01	17930625				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-004	Client ID:	DOOR-S-15.3GE-PS-17-240708-P-G
Seqnum:	464275615040	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924040	Batch:	344625	Time:	09-JUL-2024 21:14
Cal:	464259633001	Caldate:	28-JUN-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	3.580	ug/L	ND	ND	152%	0.50		u
Aroclor-1016 Peak # 1	B	8.658	ug/L	0.09	0.05	59%			
Aroclor-1016 Peak # 2	B	3.870	ug/L	0.04	0.54	173%			
Aroclor-1016 Peak # 3	B	0.2382	ug/L	0.00	0.48	198%			
Aroclor-1016 Peak # 4	B	3.858	ug/L	0.04	0.04	7%			
Aroclor-1016 Peak # 5	B	1.276	ug/L	0.01	0.19	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	28.90	ug/L	ND	1.3	128%	0.50		u
Aroclor-1260 Peak # 1	B	22.03	ug/L	0.22	3.64	177%			
Aroclor-1260 Peak # 2	B	2.854	ug/L	0.03	0.09	107%			
Aroclor-1260 Peak # 3	B	16.99	ug/L	0.17	0.71	123%			
Aroclor-1260 Peak # 4	B	39.96	ug/L	0.40	1.87	130%			
Aroclor-1260 Peak # 5	B	62.69	ug/L	0.63	0.27	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	46.96	pg/uL	0.5000	0.4696	94	19-121	u
Decachlorobiphenyl (PCB)	B	45.77	pg/uL	0.5000	0.4577	92	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7922986	9.84
1-bromo-2-nitrobenzene (PCB)	A	26536532	31457530	18.54

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

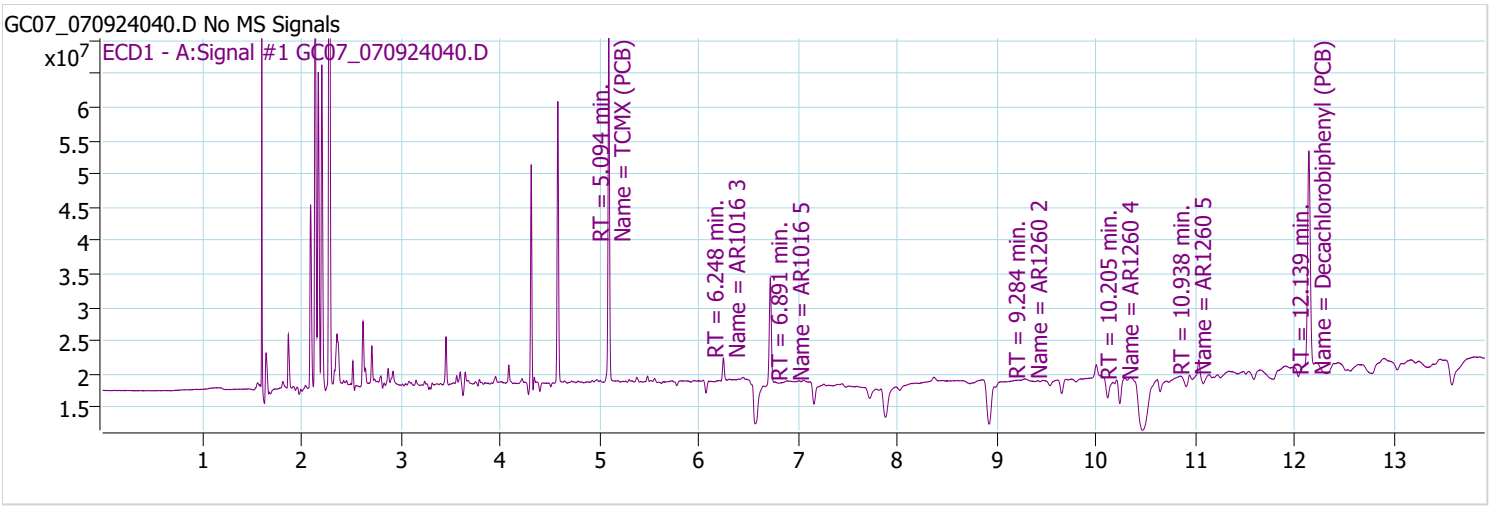
07/10/24 : WIPE/1S-10ML

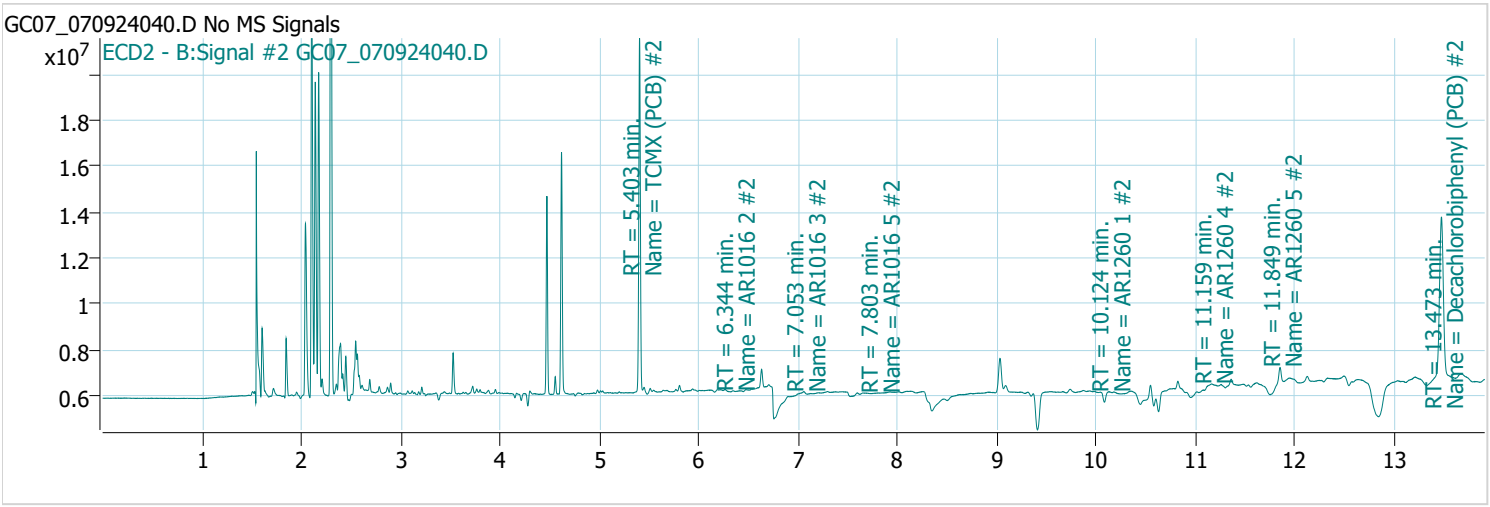
u=use

Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924040.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 9:14:23 PM
Sample Name	511602-004, 344625, 1	Instrument	SVOA-GC07
Vial	22	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



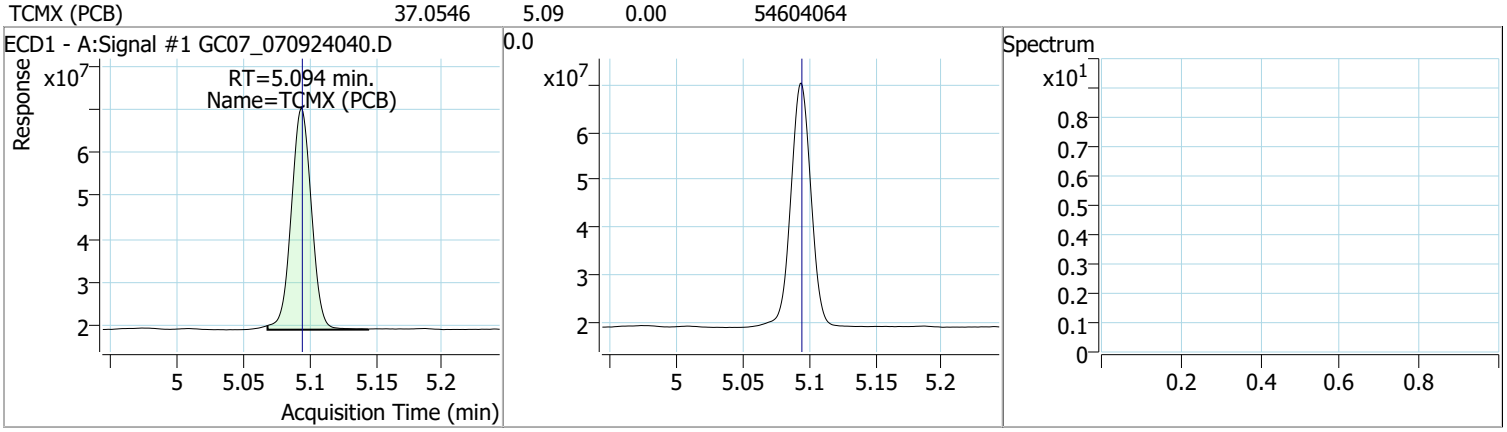


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	31457529.841	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7922985.610	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	54604064.036	37.0546	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.27%		*	
S TCMX (PCB) #2	5.403	0.0	17844670.065	46.9565	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.78%		*	
S Decachlorobiphenyl (PCB)	12.139	0.0	68949194.727	39.7542	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.77%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	19809565.821	45.7672	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.84%		*	
Target Compounds							QValue

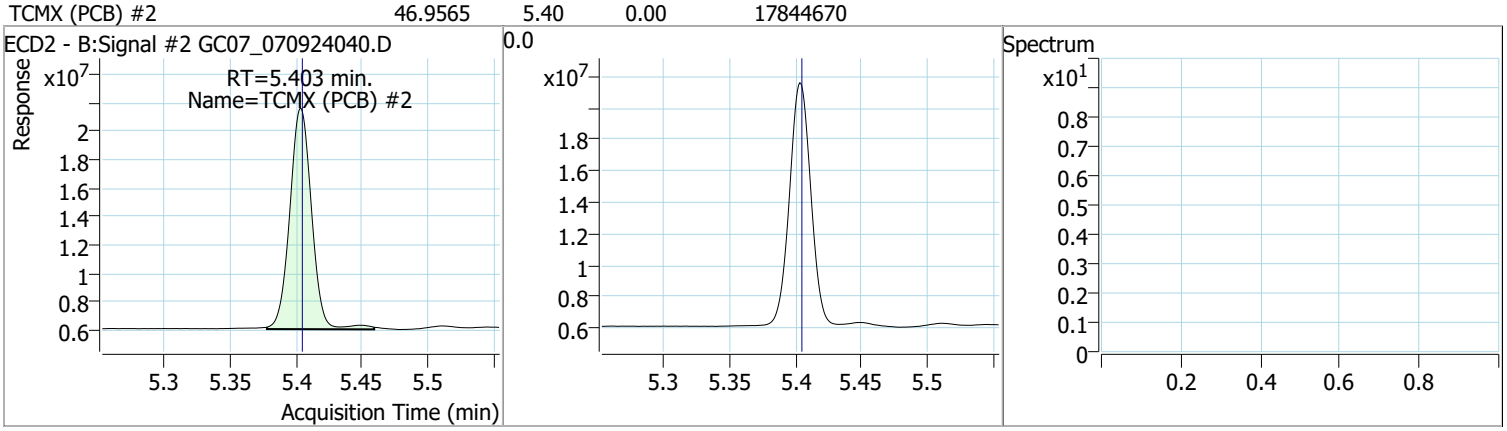
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.459	0.0	129696.535	4.7168	ng/ml	100
T AR1016 2	5.835	0.0	3099901.523	54.2677	ng/ml	100
T AR1016 1 #2	5.873	0.0	72432.119	8.6584	ng/ml	100
T AR1016 3	6.248	0.0	4461840.592	47.9862	ng/ml	100
T AR1016 2 #2	6.344	0.0	66890.467	3.8701	ng/ml	100
T AR1016 4	6.401	0.0	196966.448	4.1208	ng/ml	100
T AR1016 5	6.891	0.0	783482.951	18.6478	ng/ml	100
T AR1016 3 #2	7.053	0.0	5134.709	0.2382	ng/ml	100
T AR1016 4 #2	7.128	0.0	61472.354	3.8577	ng/ml	100
T AR1016 5 #2	7.803	0.0	16447.921	1.2762	ng/ml	100
T AR1260 1	8.860	0.0	30707951.914	364.4225	ng/ml	100
T AR1260 2	9.284	0.0	1211126.924	9.4107	ng/ml	100
T AR1260 3	9.753	0.0	9819466.772	70.9136	ng/ml	100
T AR1260 1 #2	10.124	0.0	504903.047	22.0271	ng/ml	100
T AR1260 4	10.205	0.0	14953948.571	186.7965	ng/ml	100
T AR1260 2 #2	10.178	0.0	82184.368	2.8540	ng/ml	100
T AR1260 3 #2	10.600	0.0	588881.177	16.9894	ng/ml	100
T AR1260 5	10.938	0.0	2560610.555	26.7113	ng/ml	100
T AR1260 4 #2	11.159	0.0	875715.242	39.9552	ng/ml	100
T AR1260 5 #2	11.849	0.0	2039866.333	62.6916	ng/ml	100

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

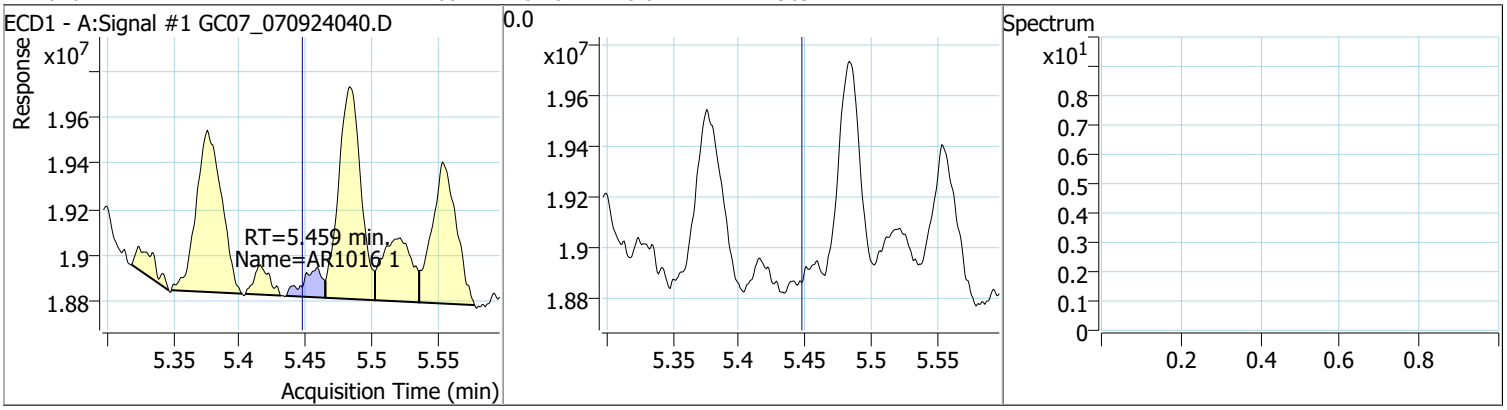
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0546	5.09	0.00	54604064				



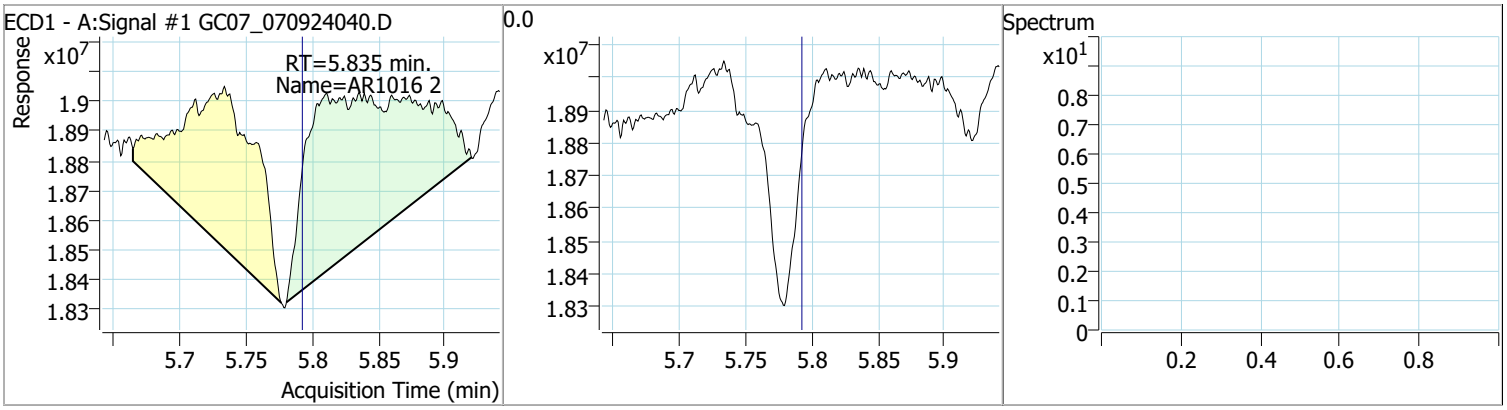
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.9565	5.40	0.00	17844670				



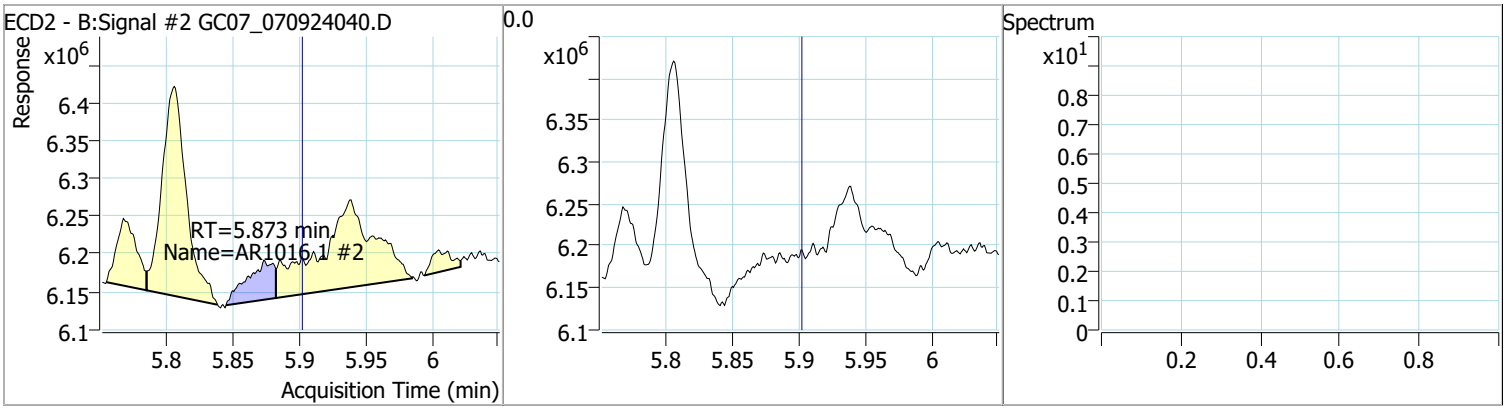
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	4.7168	5.46	0.01	129697				



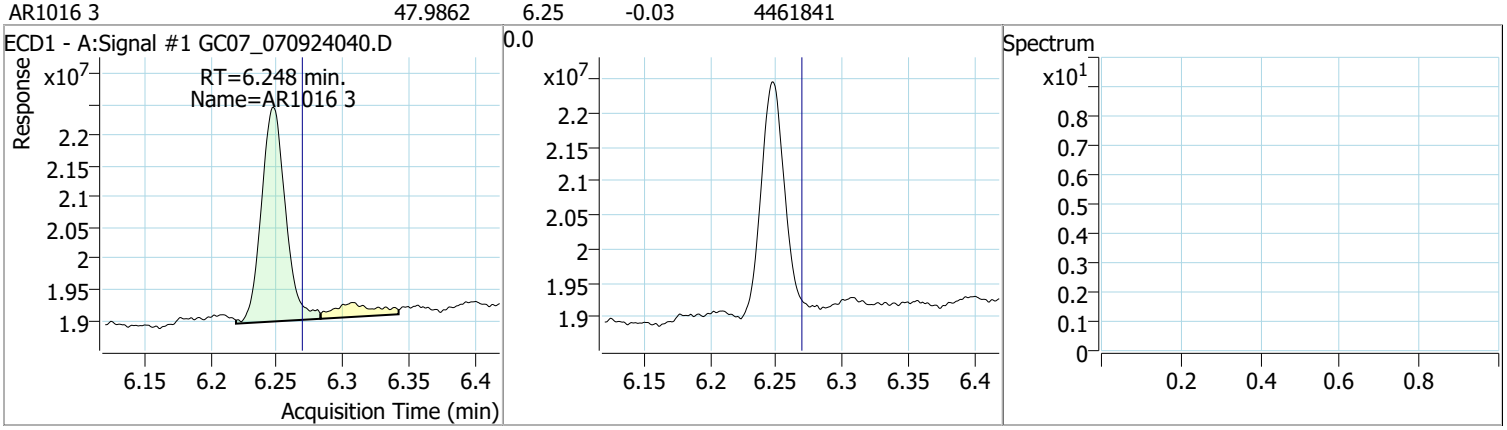
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	54.2677	5.84	0.04	3099902				



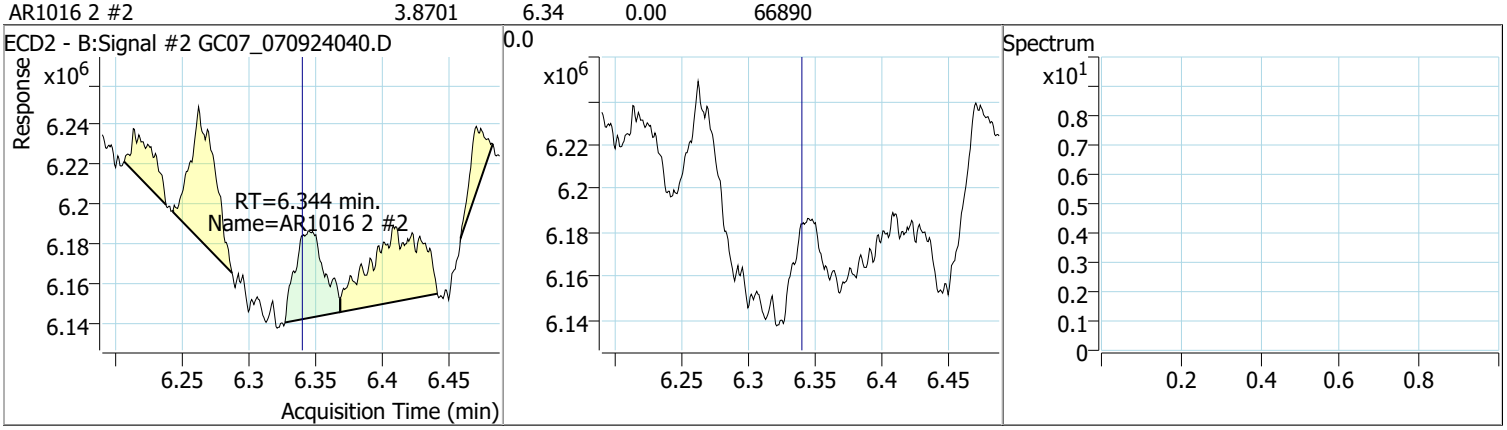
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.6584	5.87	-0.03	72432				



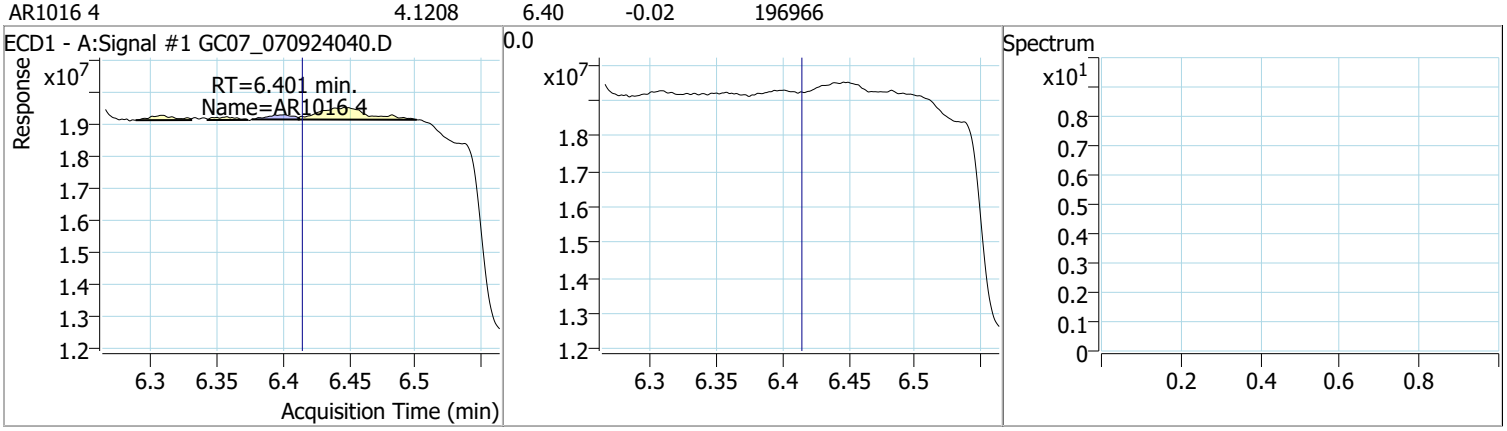
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	47.9862	6.25	-0.03	4461841				



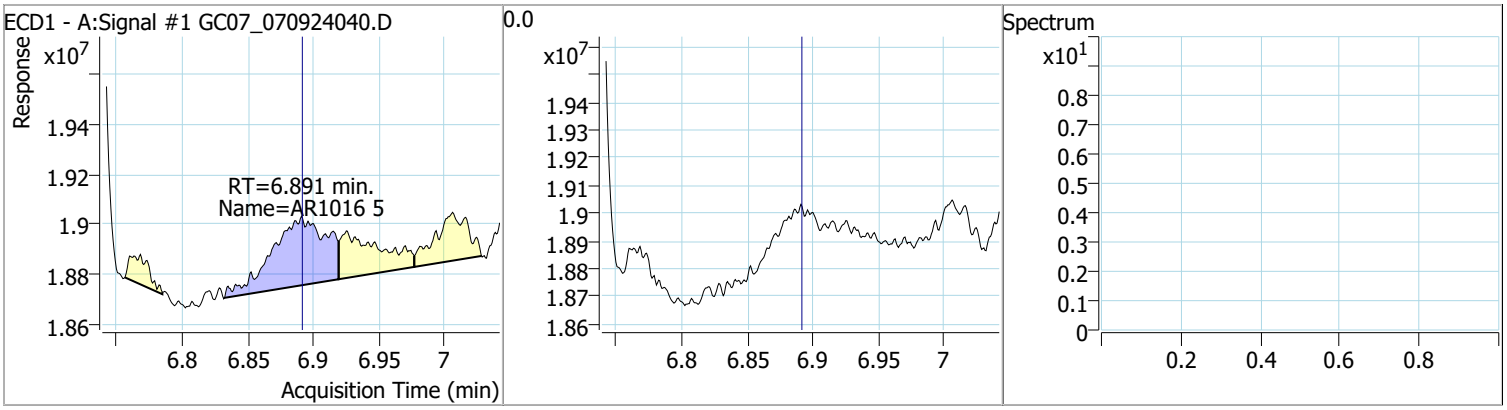
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.8701	6.34	0.00	66890				



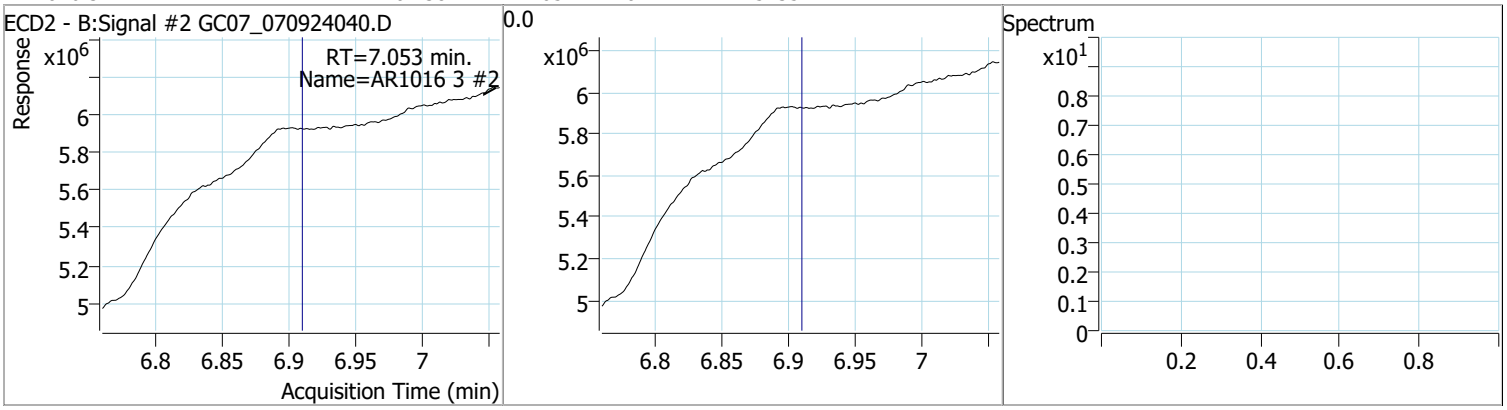
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.1208	6.40	-0.02	196966				



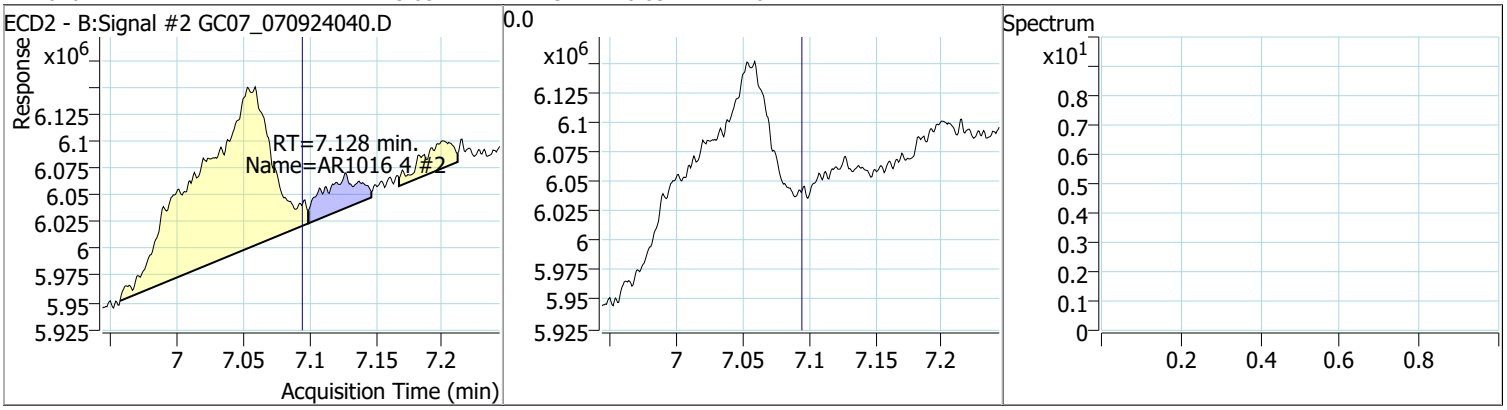
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	18.6478	6.89	-0.01	783483				



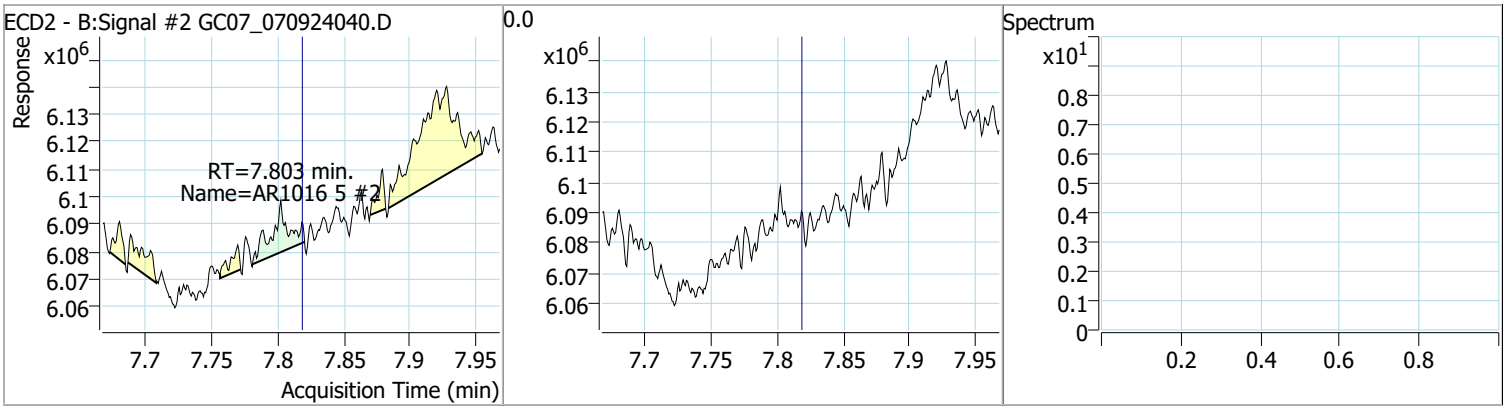
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.2382	7.05	0.14	5135				



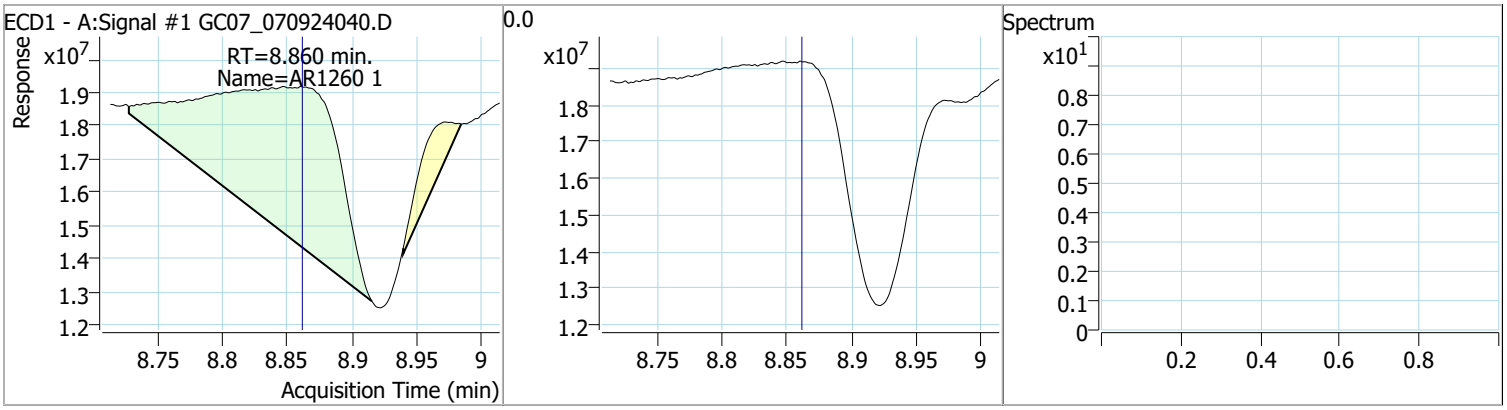
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.8577	7.13	0.03	61472				



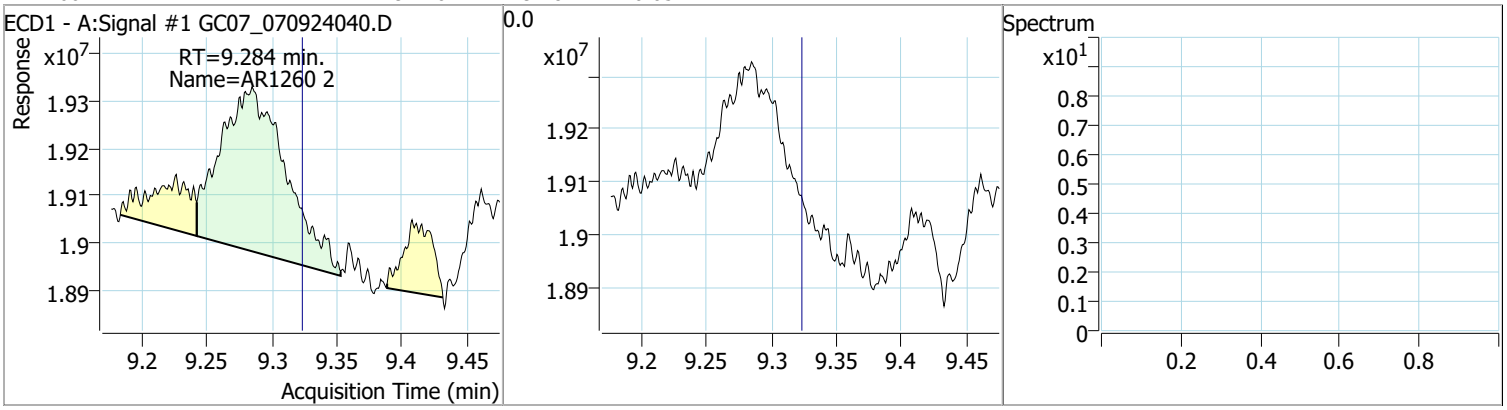
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.2762	7.80	-0.02	16448				



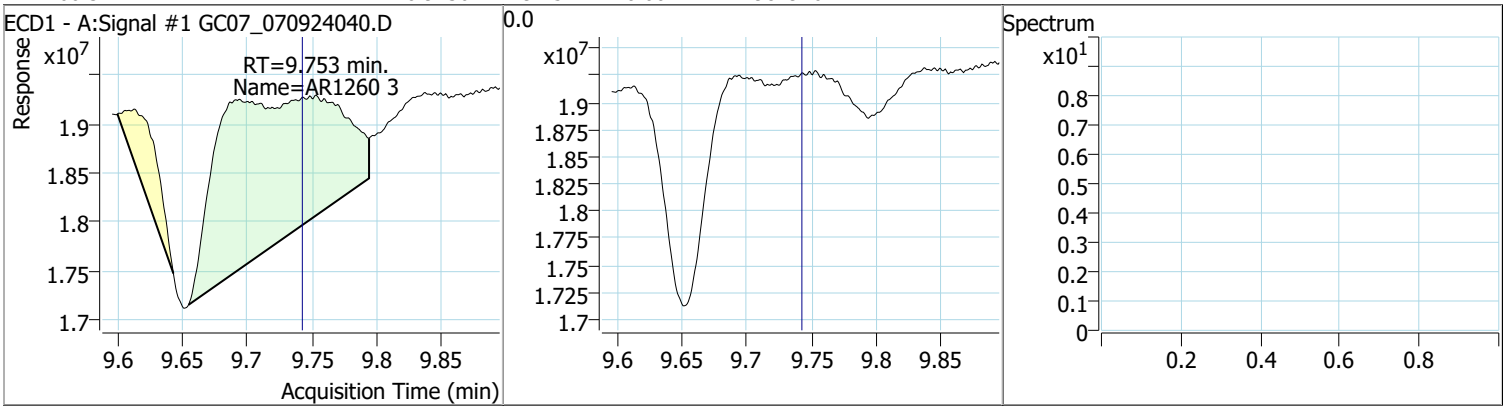
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	364.4225	8.86	-0.01	30707952				



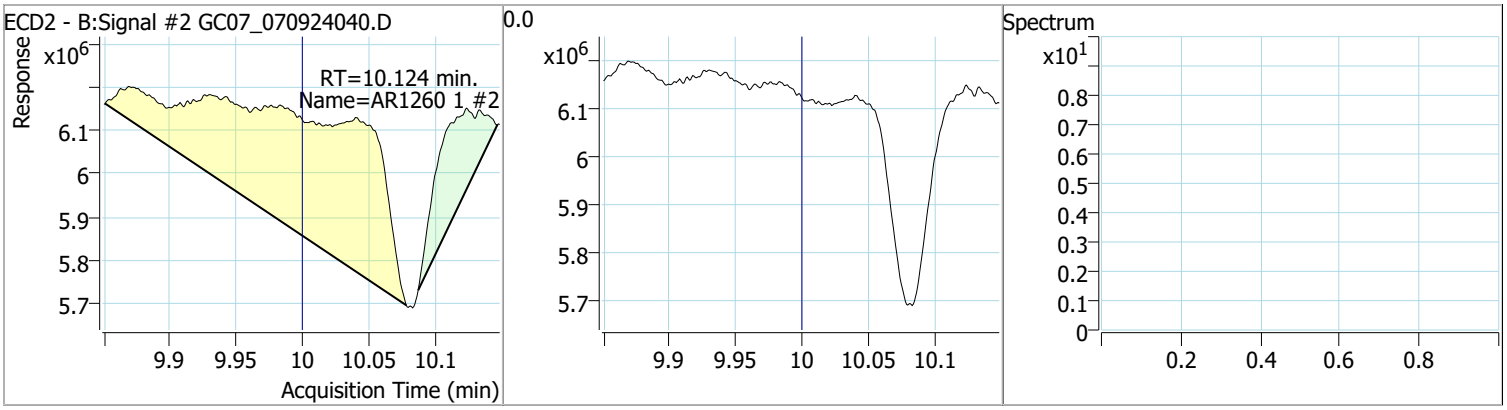
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.4107	9.28	-0.05	1211127				



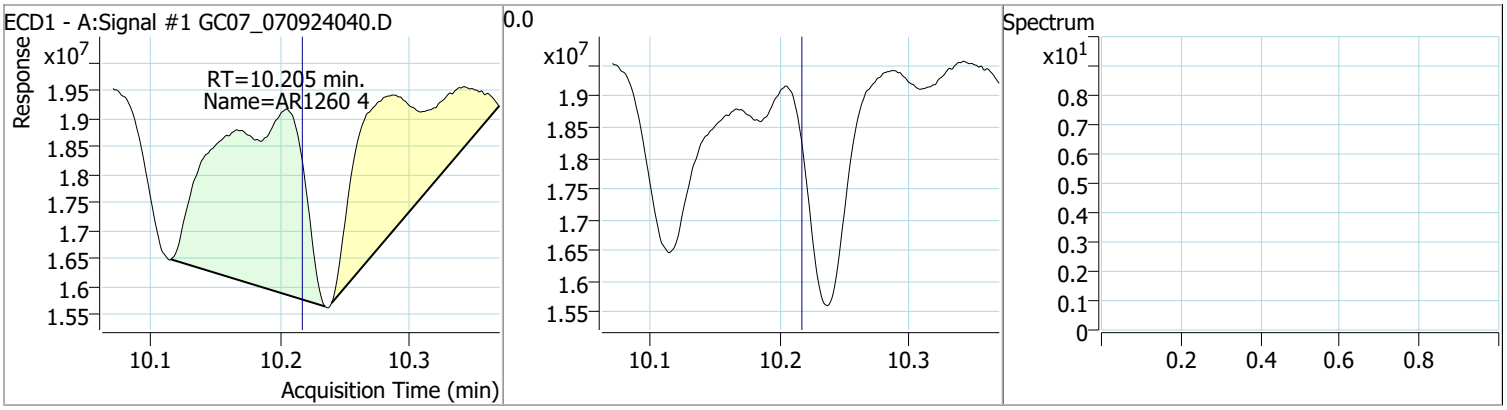
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	70.9136	9.75	0.00	9819467				



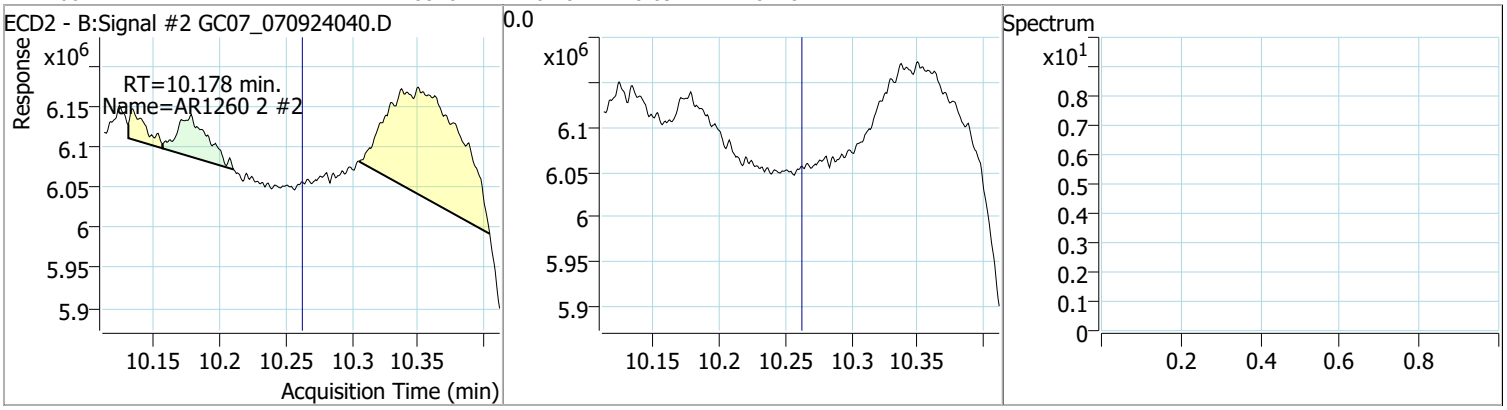
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	22.0271	10.12	0.12	504903				



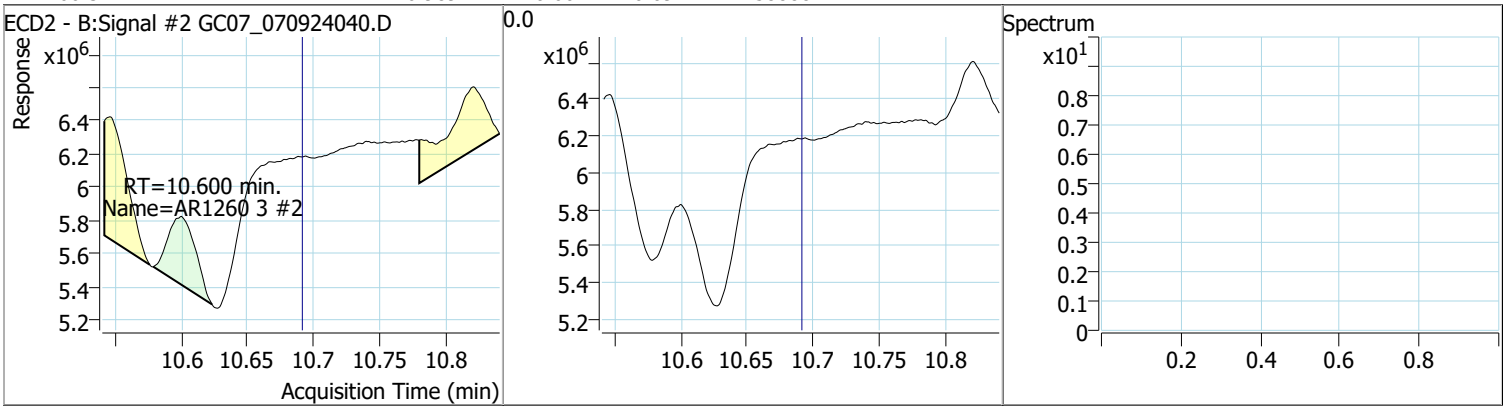
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	186.7965	10.21	-0.02	14953949				



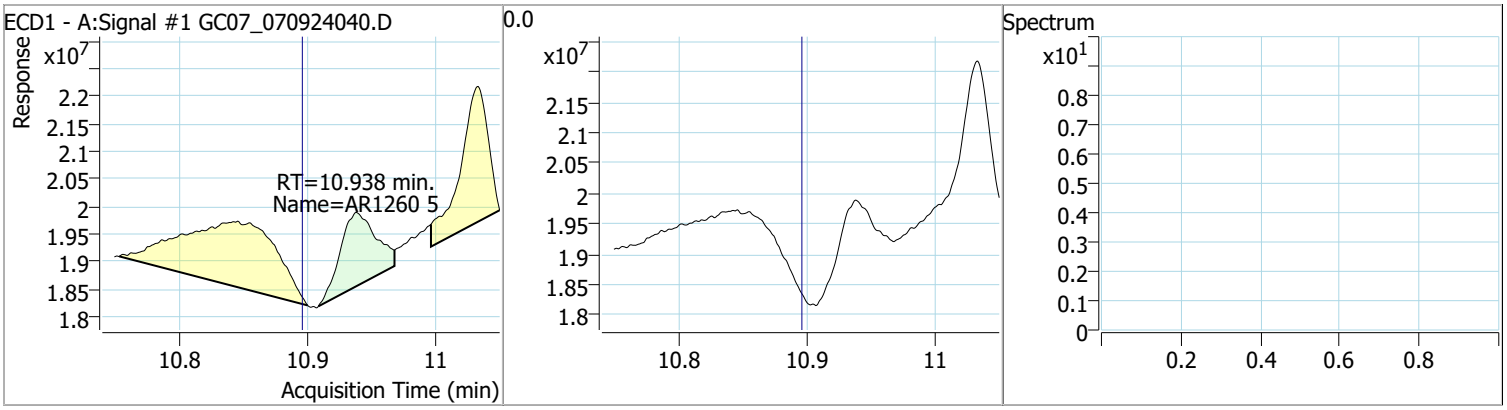
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.8540	10.18	-0.09	82184				



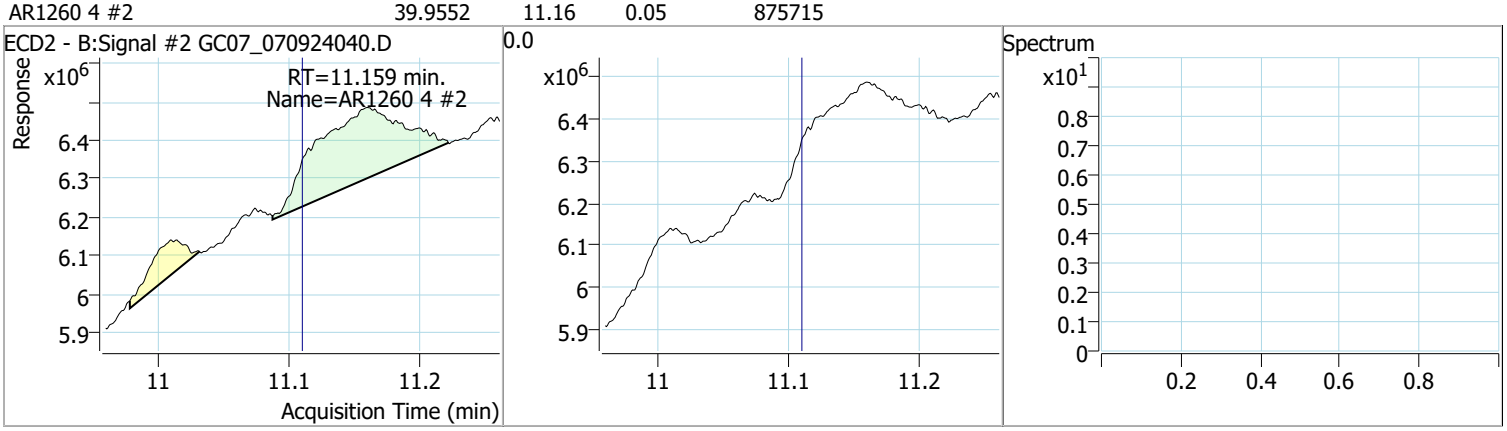
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	16.9894	10.60	-0.09	588881				



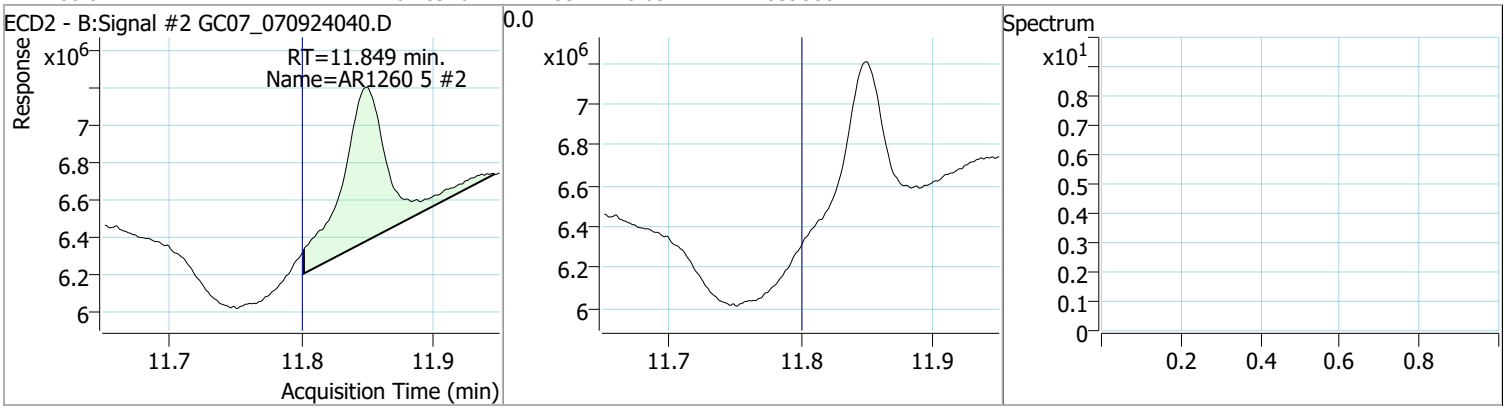
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	26.7113	10.94	0.03	2560611				



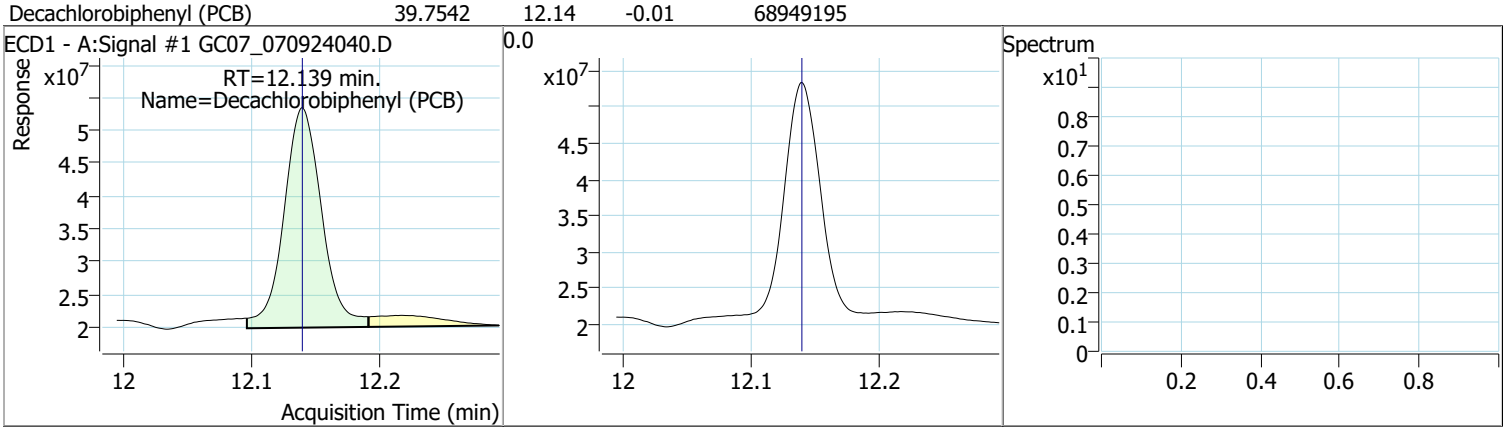
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	39.9552	11.16	0.05	875715				



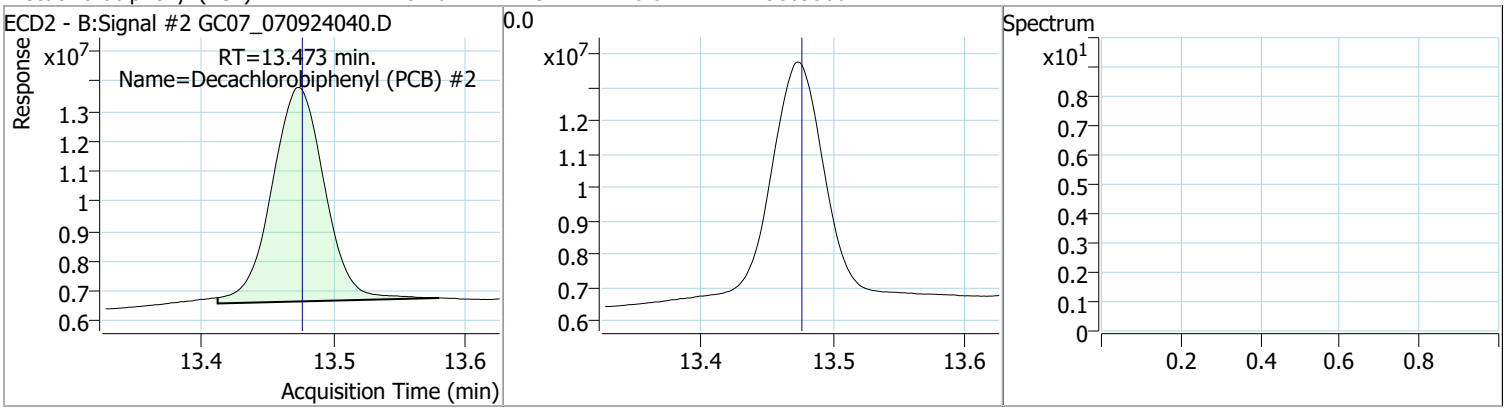
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	62.6916	11.85	0.05	2039866				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.7542	12.14	-0.01	68949195				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.7672	13.47	-0.01	19809566				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-005	Client ID:	DOOR-S-15.4GE-PS-17-240708-P-G
Seqnum:	464275615041	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924041	Batch:	344625	Time:	09-JUL-2024 21:31
Cal:	464259633001	Caldate:	28-JUN-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	29.35	ug/L	ND	0.39	29%	0.50		u
Aroclor-1016 Peak # 1	B	59.16	ug/L	0.59	0.12	130%			
Aroclor-1016 Peak # 2	B	2.748	ug/L	0.03	0.59	182%			
Aroclor-1016 Peak # 3	B	79.31	ug/L	0.79	0.57	32%			
Aroclor-1016 Peak # 4	B	4.596	ug/L	0.05	0.29	146%			
Aroclor-1016 Peak # 5	B	0.9617	ug/L	0.01	0.39	190%			
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	40.80	ug/L	ND	1.3	106%	0.50		u
Aroclor-1260 Peak # 1	B	75.44	ug/L	0.75	3.63	131%			
Aroclor-1260 Peak # 2	B	33.32	ug/L	0.33	0.01	188%			
Aroclor-1260 Peak # 3	B	14.21	ug/L	0.14	0.82	141%			
Aroclor-1260 Peak # 4	B	4.955	ug/L	0.05	1.95	190%			
Aroclor-1260 Peak # 5	B	76.08	ug/L	0.76	0.21	114%			
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	45.54	pg/uL	0.5000	0.4554	91	19-121	u
Decachlorobiphenyl (PCB)	B	44.91	pg/uL	0.5000	0.4491	90	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7990191	10.77
1-bromo-2-nitrobenzene (PCB)	A	26536532	30374458	14.46

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

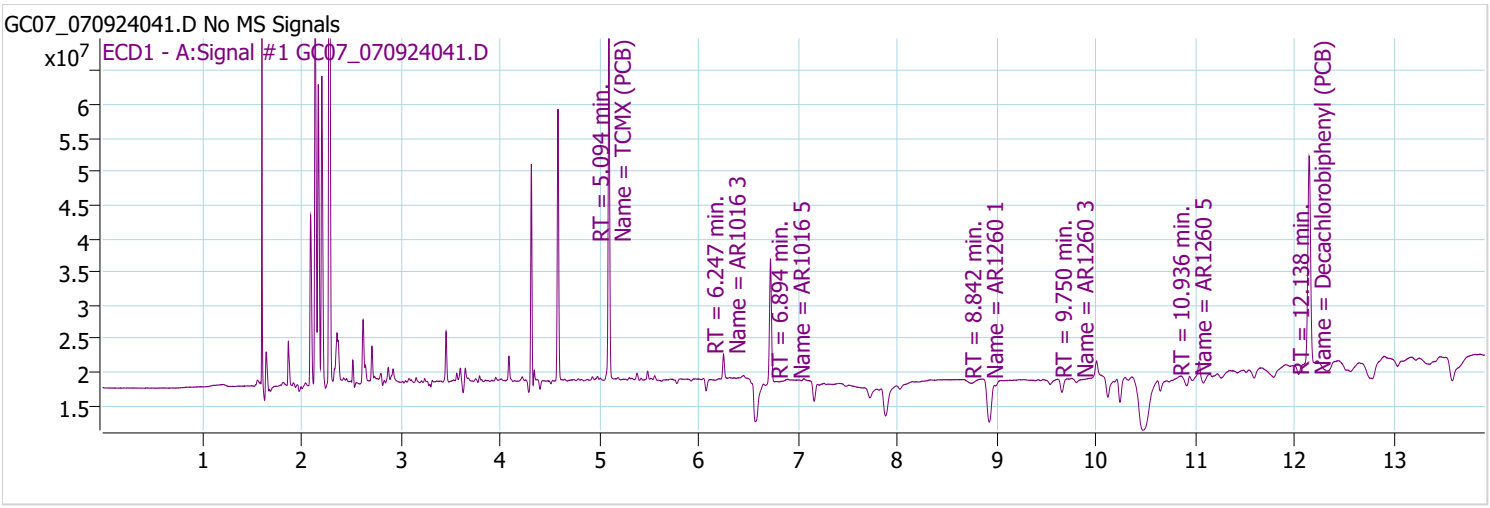
07/10/24 : WIPE/1S-10ML

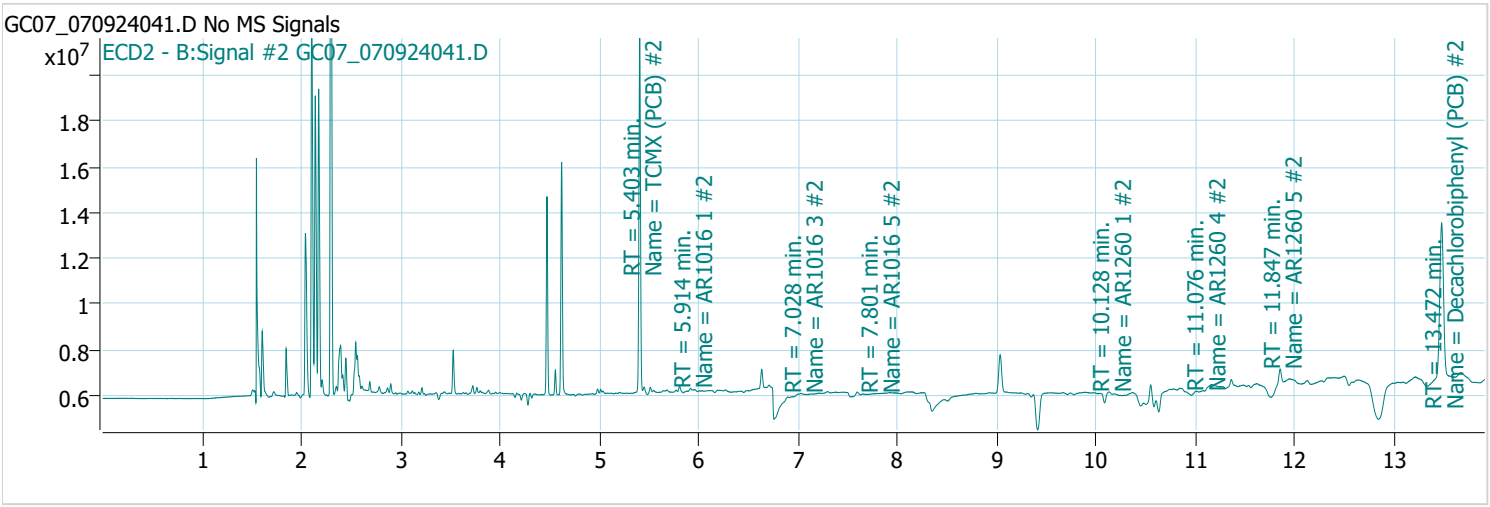
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Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924041.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 9:31:52 PM
Sample Name	511602-005, 344625, 1	Instrument	SVOA-GC07
Vial	23	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



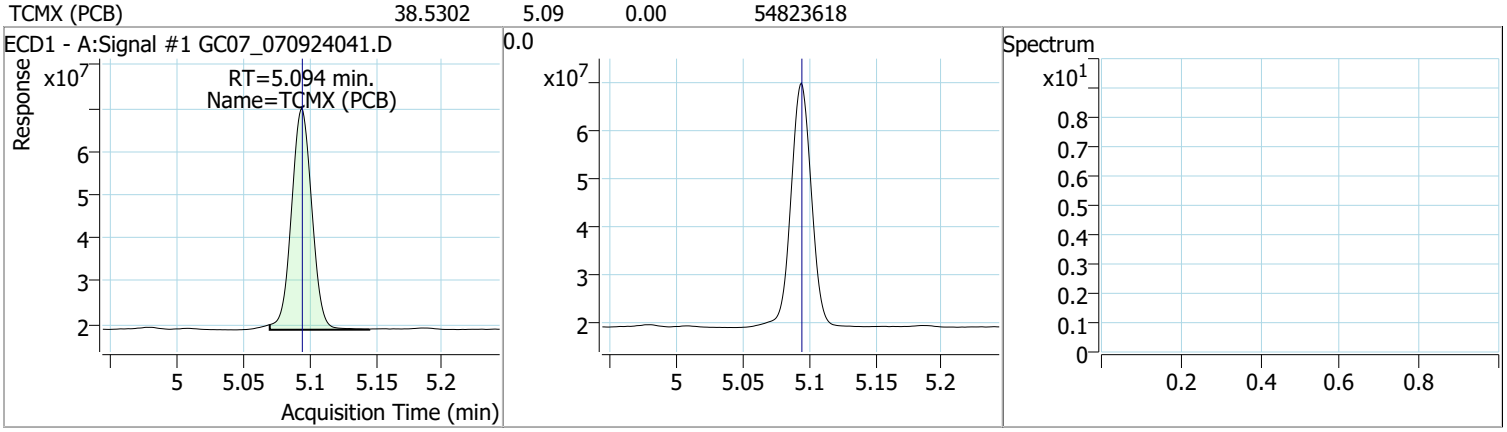


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	30374457.562	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7990191.342	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	54823617.517	38.5302	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.65%		*	
S TCMX (PCB) #2	5.403	0.0	17451884.453	45.5366	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.68%		*	
S Decachlorobiphenyl (PCB)	12.138	0.0	66074413.740	39.4551	ng/ml		-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.28%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	19602301.129	44.9074	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.54%		*	
Target Compounds							QValue

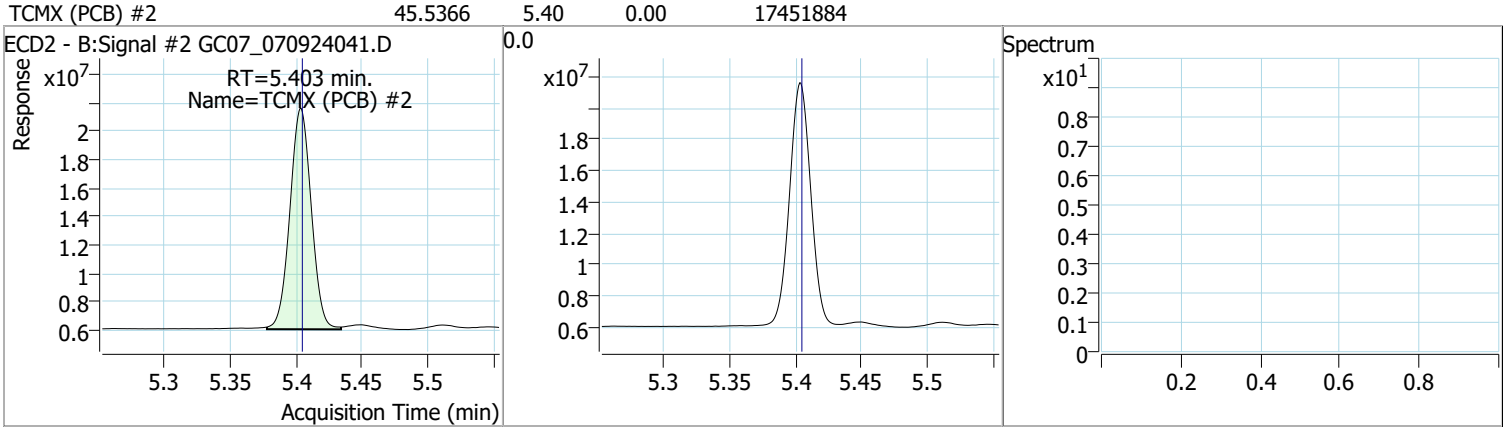
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.418	0.0	330569.925	12.4508	ng/ml	100
T AR1016 2	5.820	0.0	3251466.009	58.9507	ng/ml	100
T AR1016 1 #2	5.914	0.0	499112.150	59.1612	ng/ml	100
T AR1016 3	6.247	0.0	4892646.577	57.4993	ng/ml	100
T AR1016 2 #2	6.351	0.0	47900.651	2.7481	ng/ml	100
T AR1016 4	6.448	0.0	1360414.678	29.4766	ng/ml	100
T AR1016 5	6.894	0.0	1579187.423	38.9268	ng/ml	100
T AR1016 3 #2	7.028	0.0	1724071.459	79.3073	ng/ml	100
T AR1016 4 #2	7.126	0.0	73864.022	4.5963	ng/ml	100
T AR1016 5 #2	7.801	0.0	12498.986	0.9617	ng/ml	100
T AR1260 1	8.842	0.0	29551642.728	363.2052	ng/ml	100
T AR1260 2	9.340	0.0	123996.567	0.9978	ng/ml	100
T AR1260 3	9.750	0.0	10948177.803	81.8841	ng/ml	100
T AR1260 1 #2	10.128	0.0	1743979.739	75.4437	ng/ml	100
T AR1260 4	10.203	0.0	15086450.632	195.1713	ng/ml	100
T AR1260 2 #2	10.355	0.0	967660.118	33.3214	ng/ml	100
T AR1260 3 #2	10.598	0.0	496660.944	14.2083	ng/ml	100
T AR1260 5	10.936	0.0	1926679.152	20.8150	ng/ml	100
T AR1260 4 #2	11.076	0.0	109523.300	4.9551	ng/ml	100
T AR1260 5 #2	11.847	0.0	2496464.935	76.0790	ng/ml	100

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

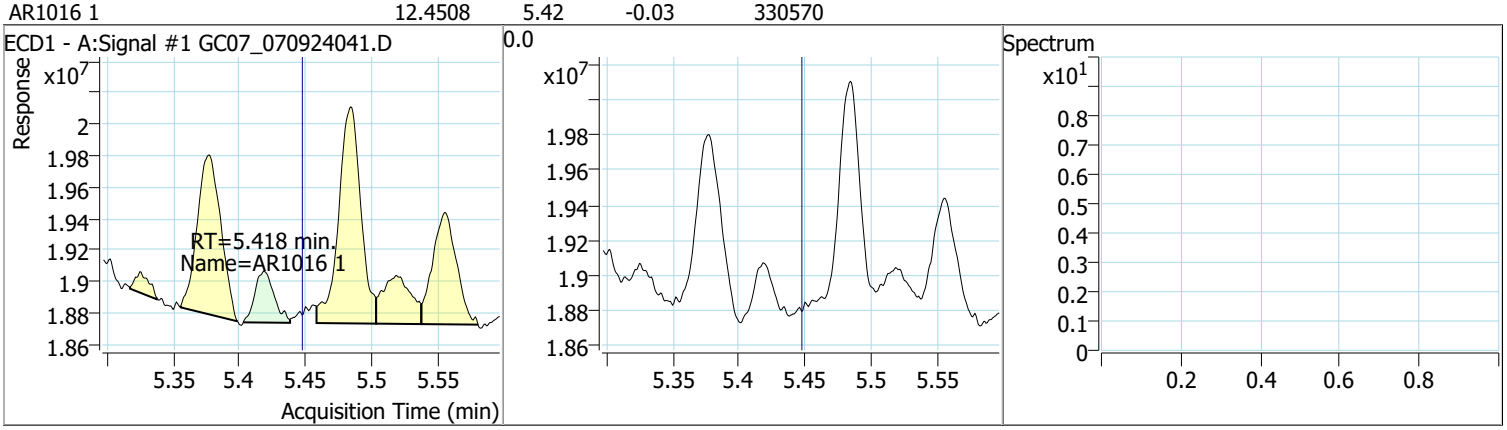
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.5302	5.09	0.00	54823618				



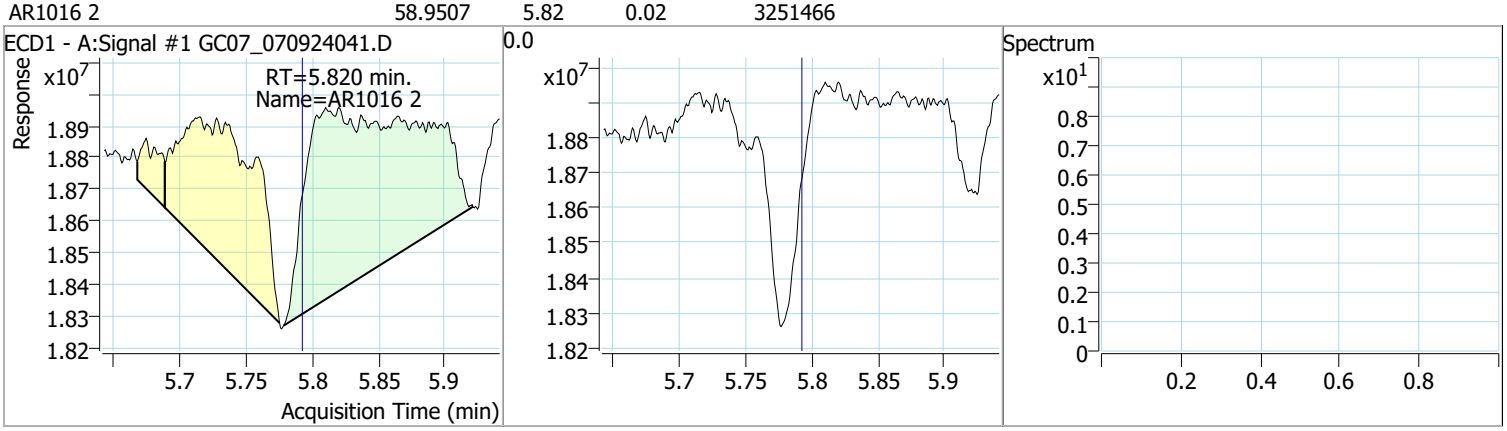
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.5366	5.40	0.00	17451884				



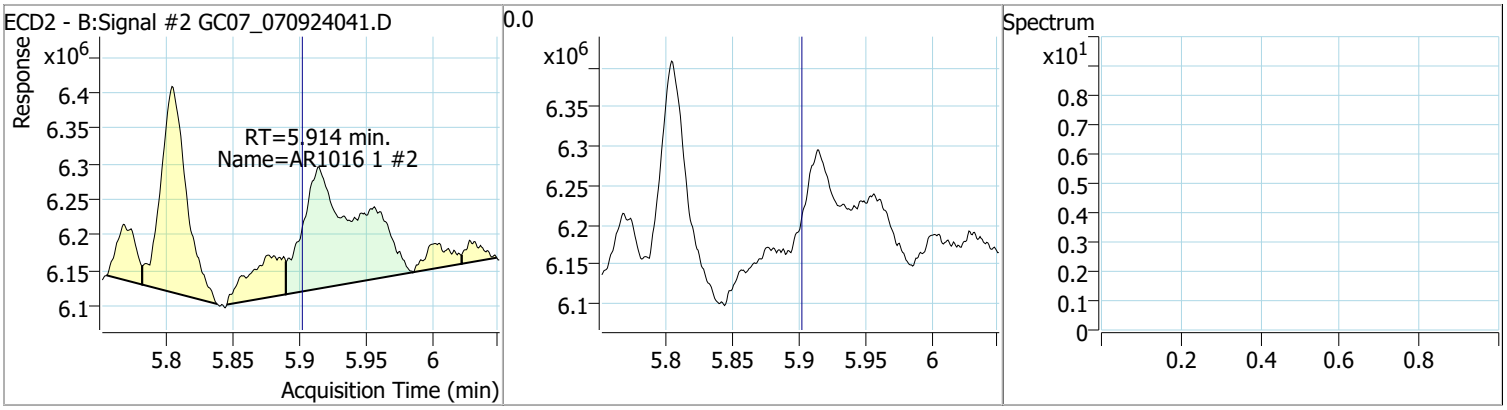
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	12.4508	5.42	-0.03	330570				



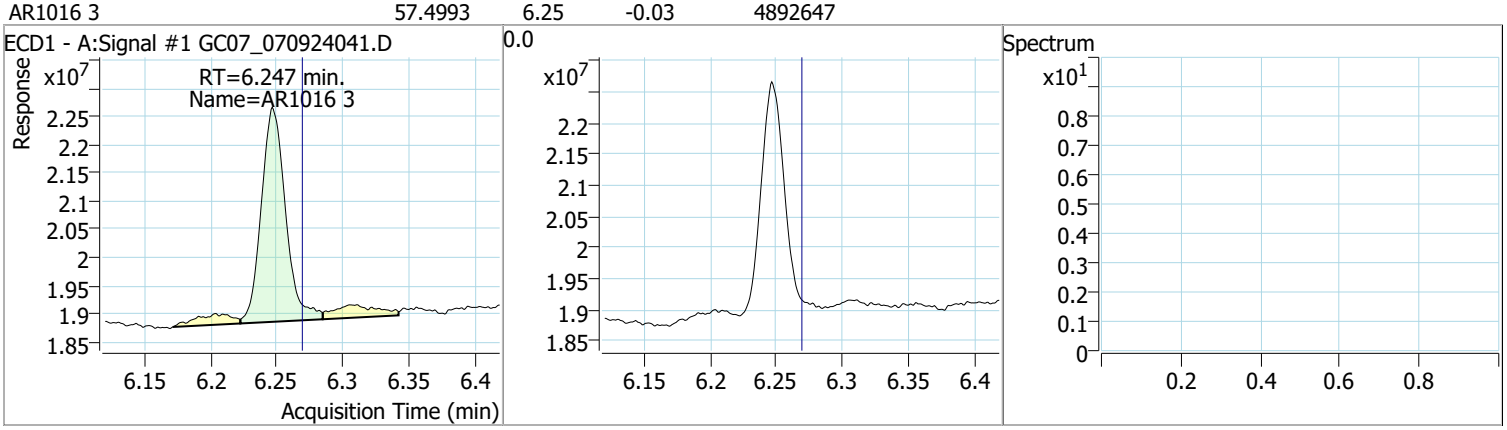
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.9507	5.82	0.02	3251466				



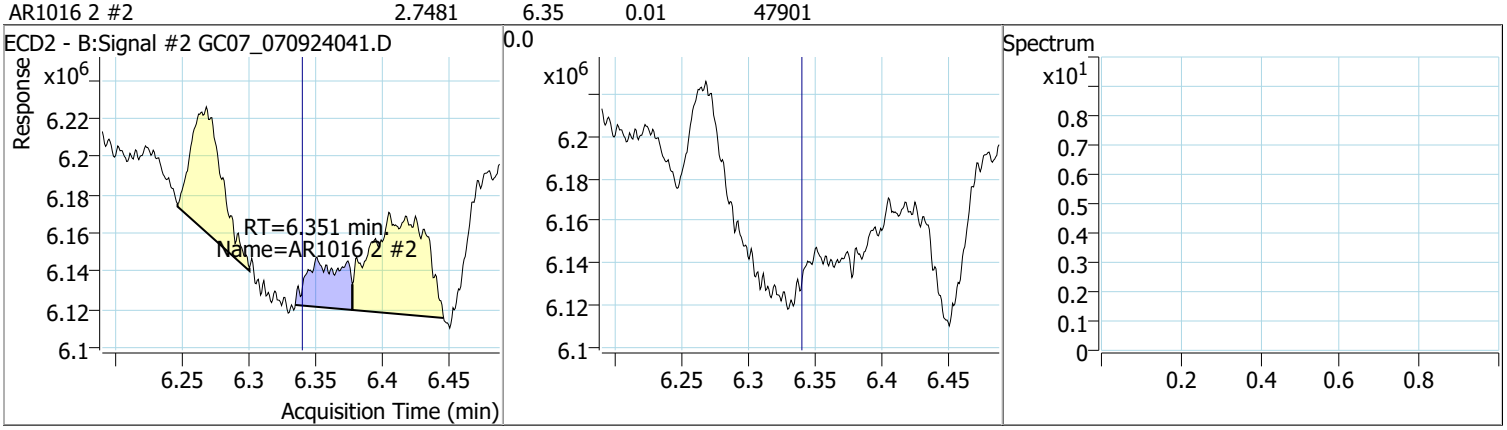
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	59.1612	5.91	0.01	499112				



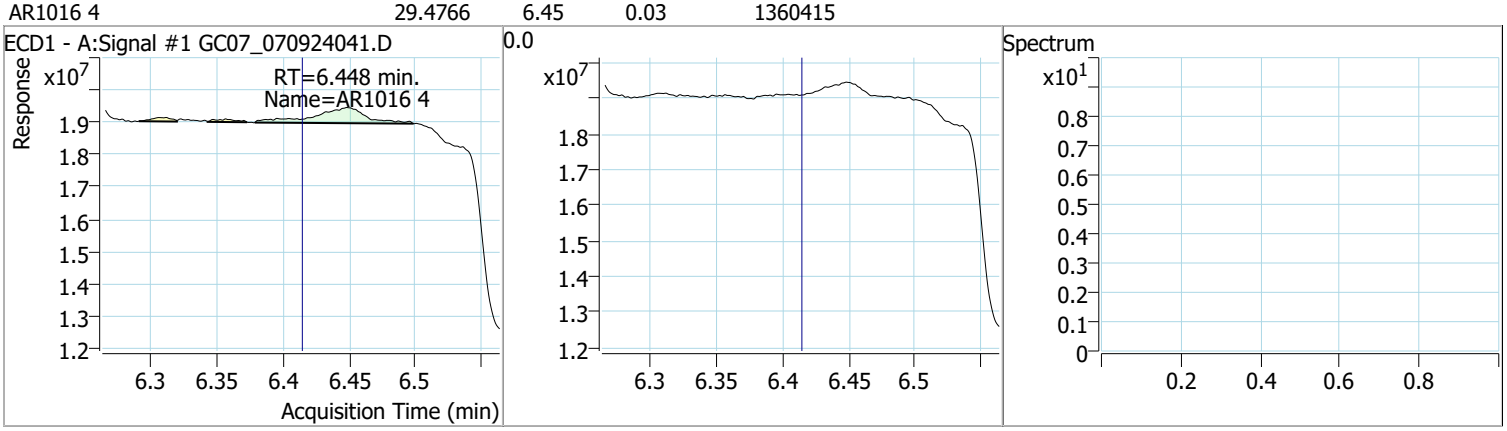
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	57.4993	6.25	-0.03	4892647				



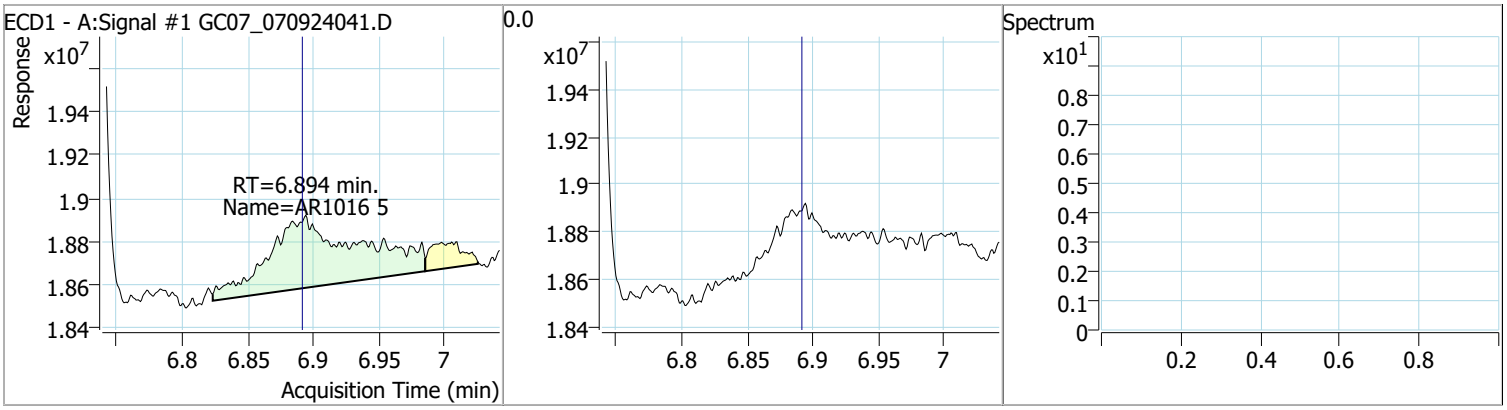
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.7481	6.35	0.01	47901				



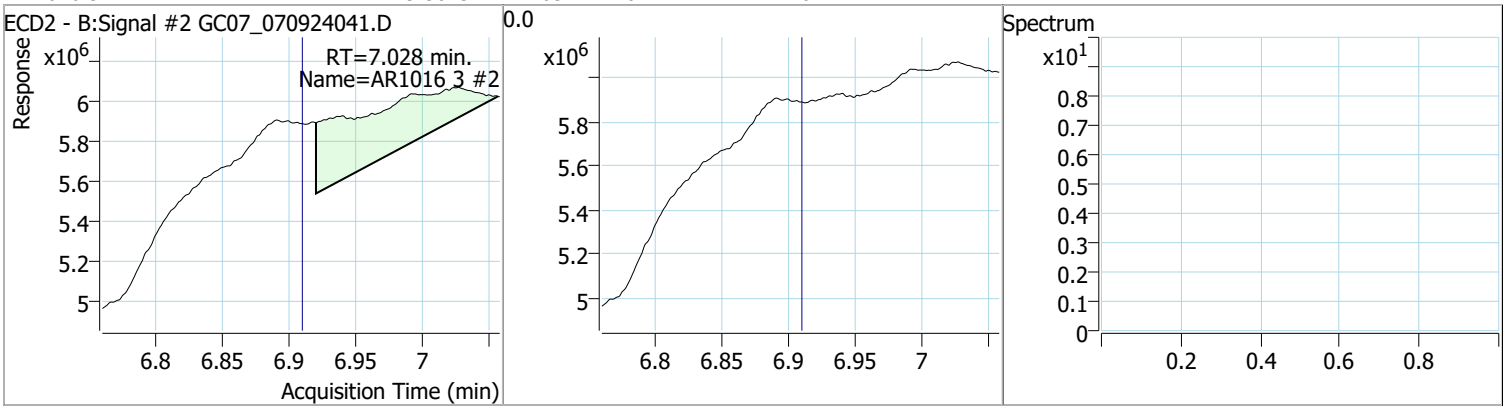
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	29.4766	6.45	0.03	1360415				



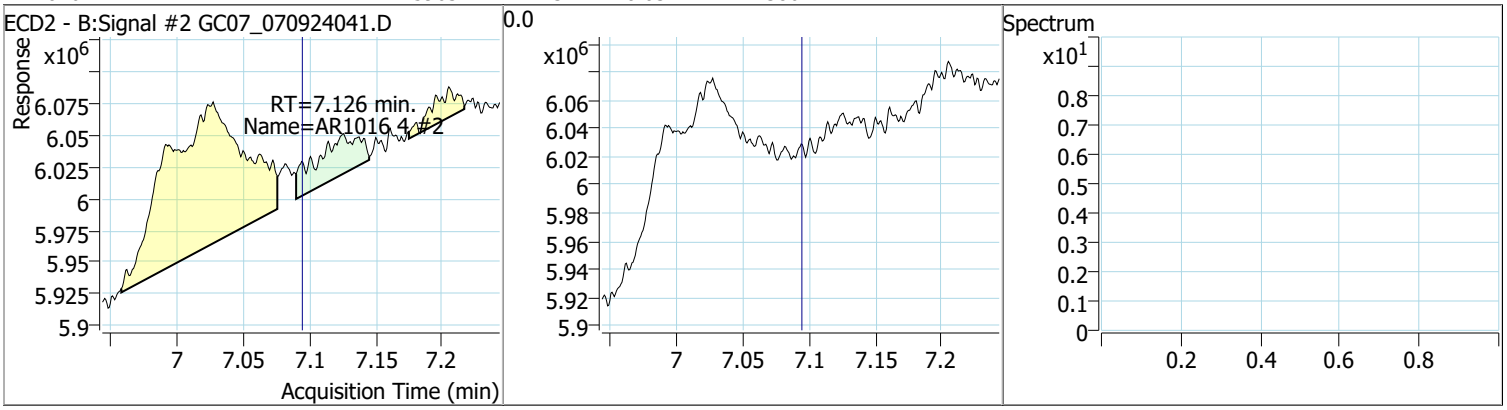
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	38.9268	6.89	0.00	1579187				



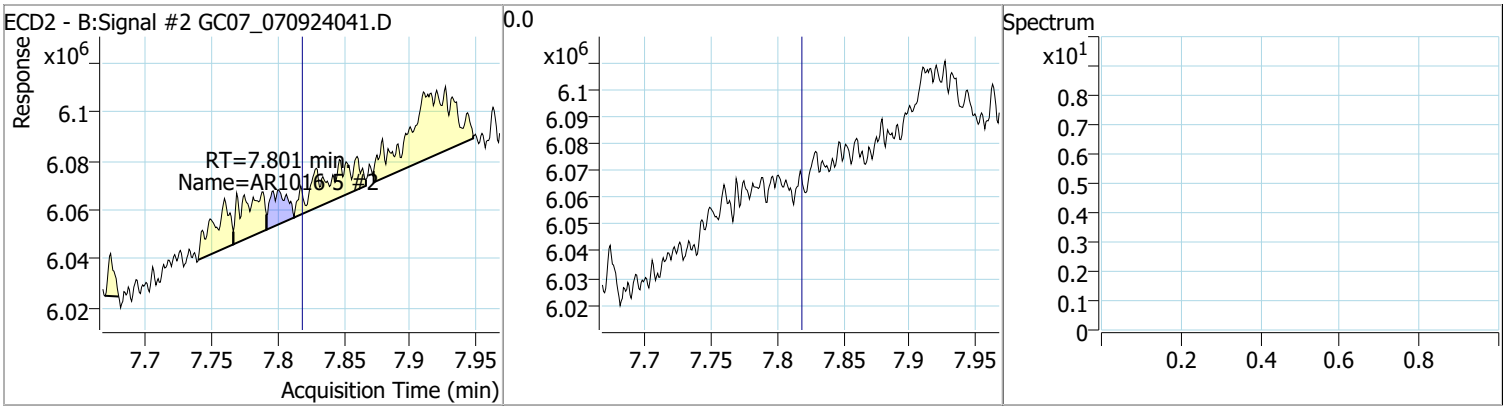
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	79.3073	7.03	0.12	1724071				



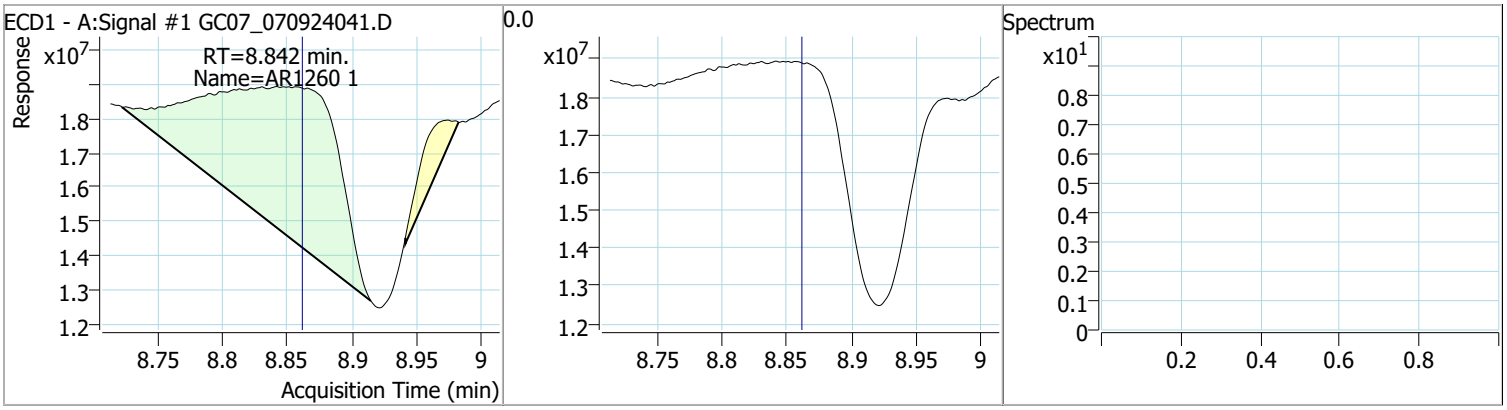
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.5963	7.13	0.03	73864				



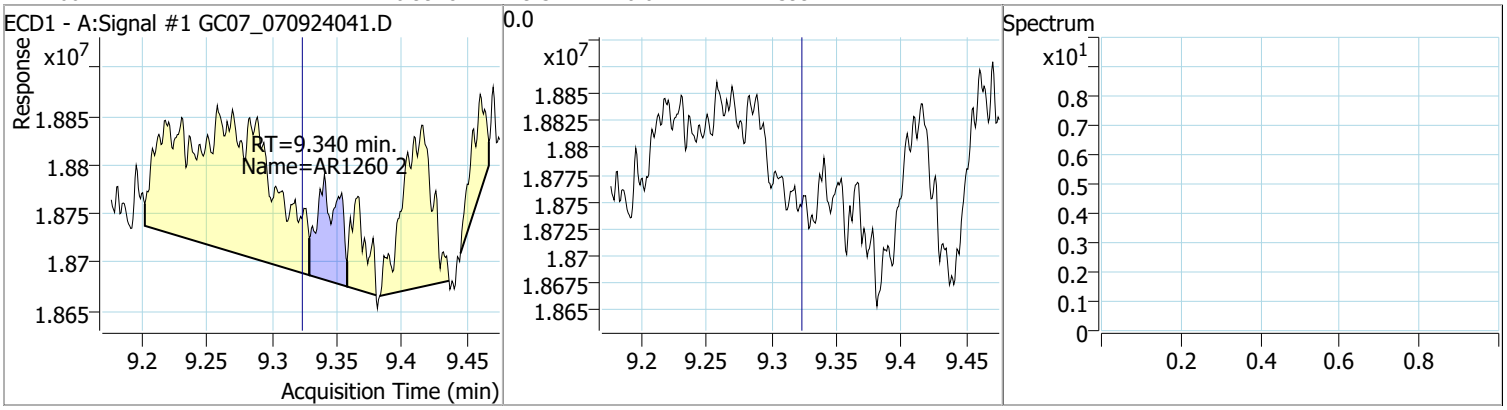
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9617	7.80	-0.02	12499				



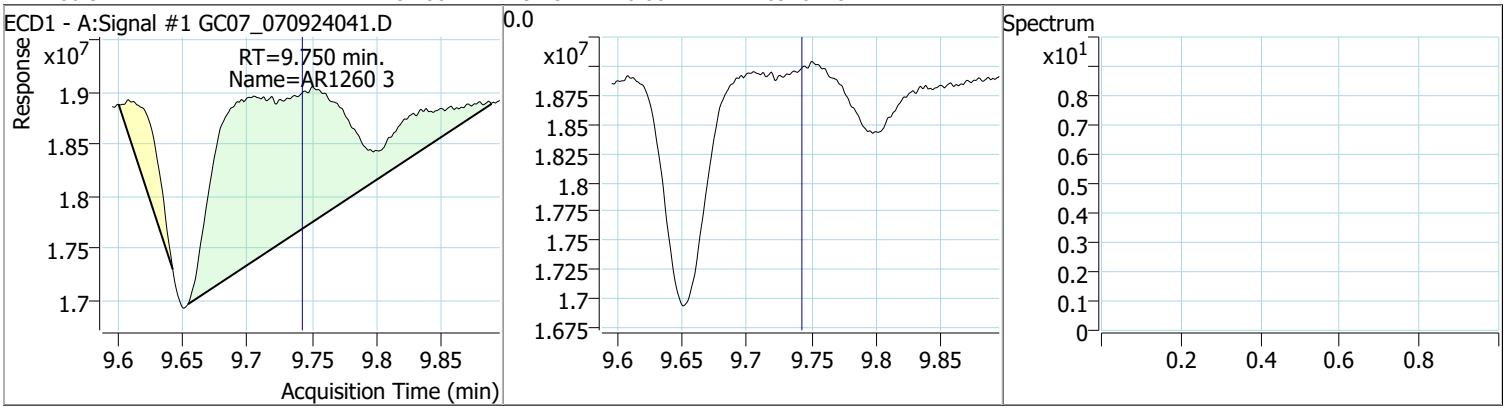
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	363.2052	8.84	-0.03	29551643				



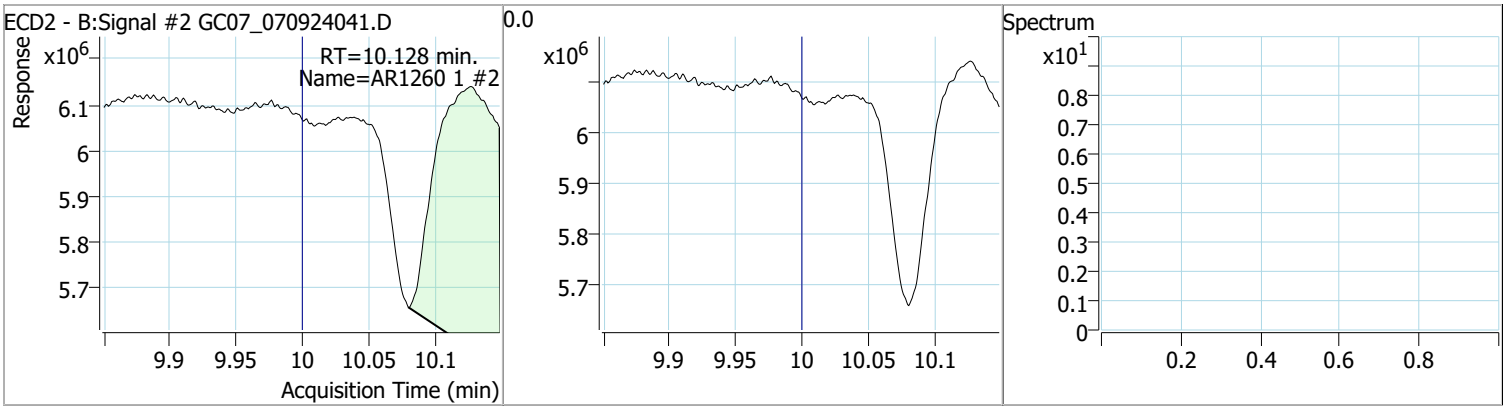
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9978	9.34	0.01	123997				



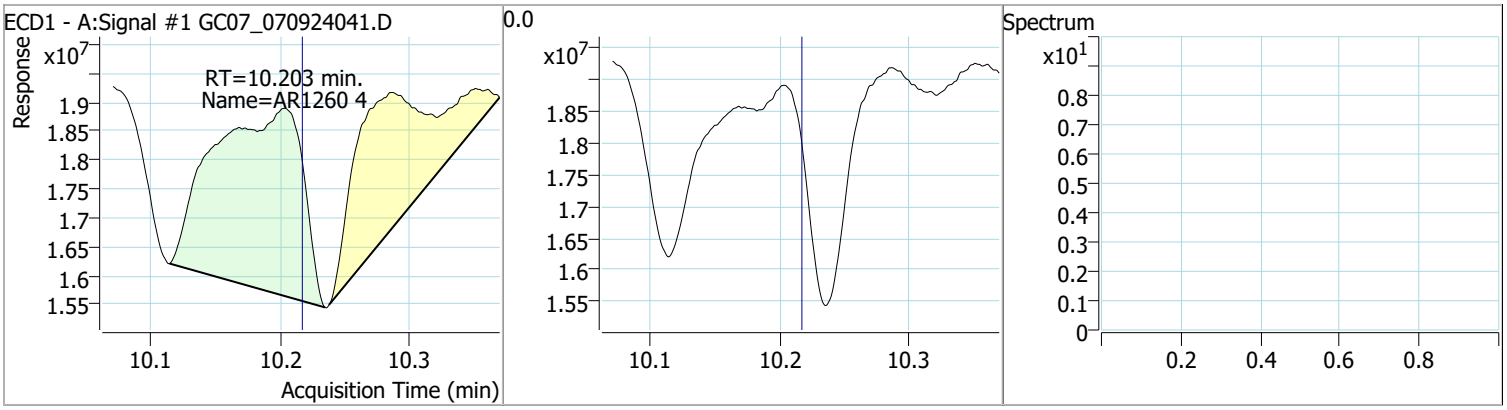
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	81.8841	9.75	0.00	10948178				



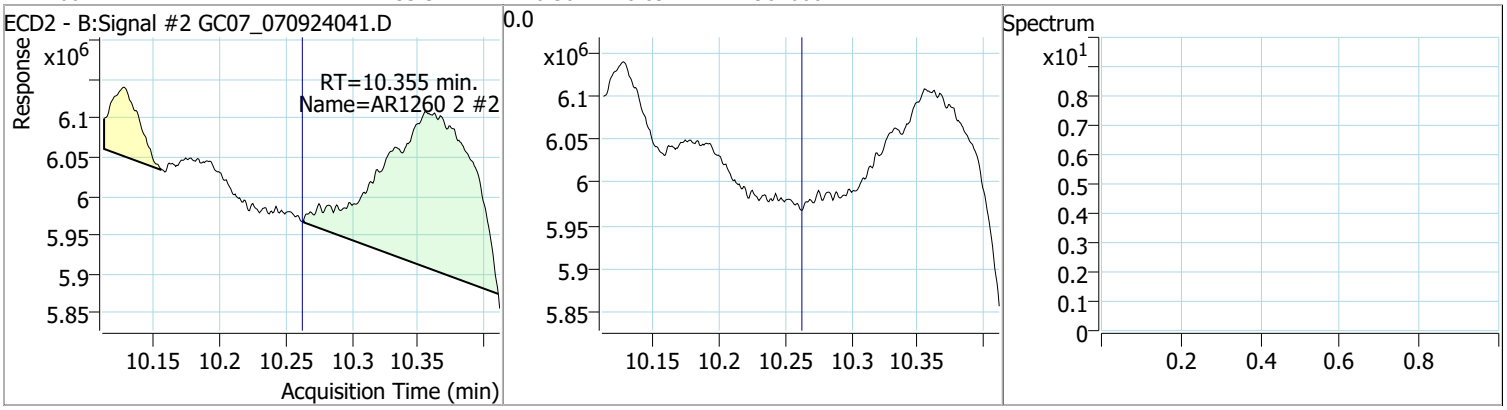
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	75.4437	10.13	0.13	1743980				



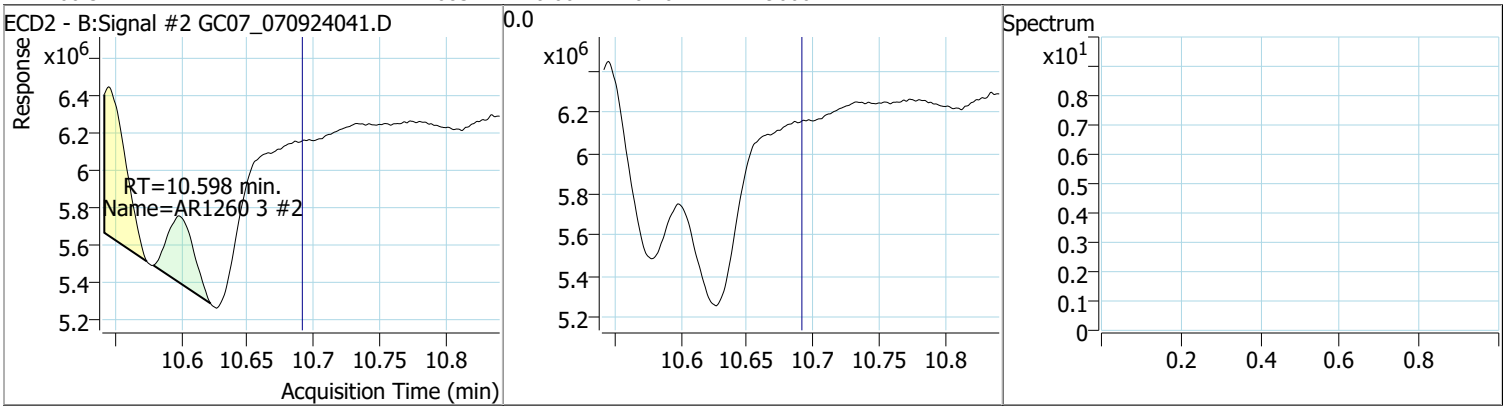
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	195.1713	10.20	-0.02	15086451				



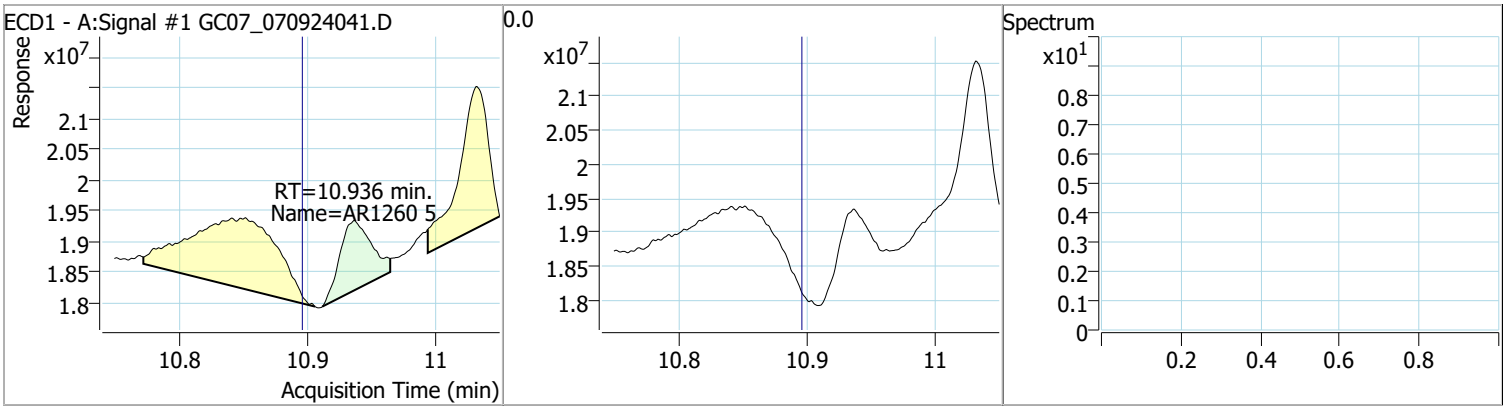
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	33.3214	10.36	0.09	967660				



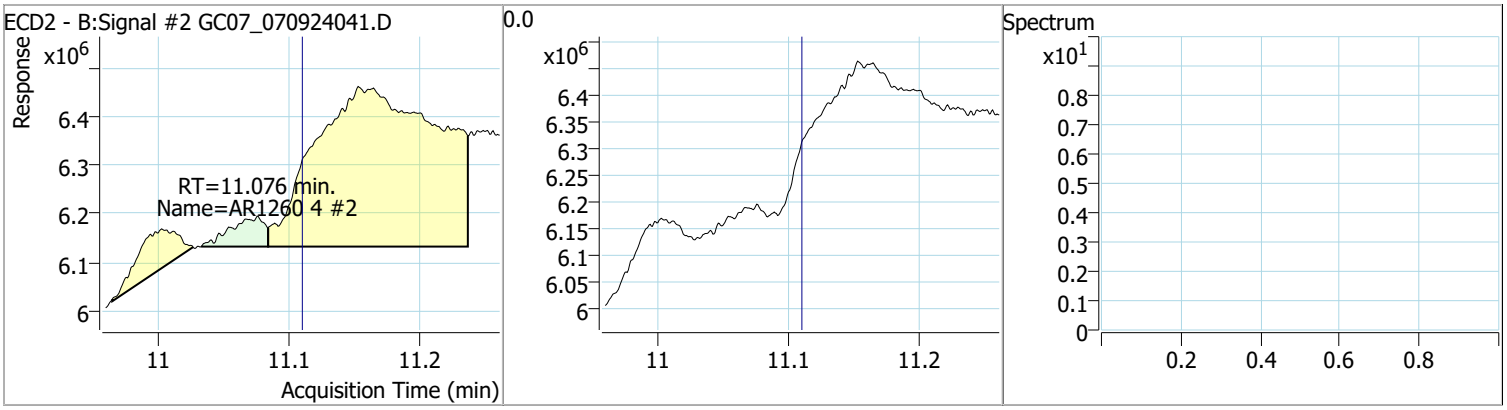
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.2083	10.60	-0.10	496661				



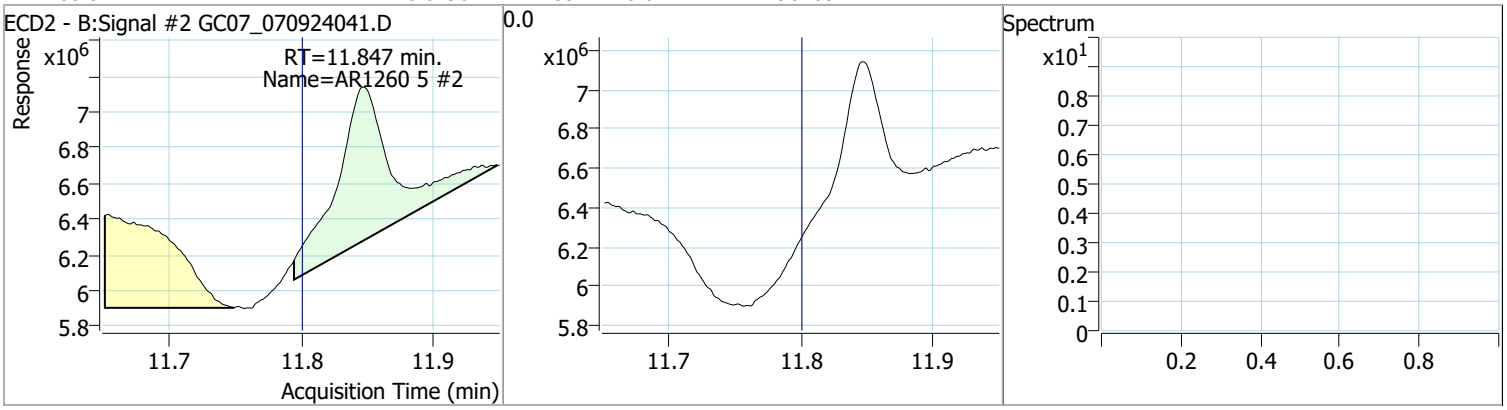
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.8150	10.94	0.03	1926679				



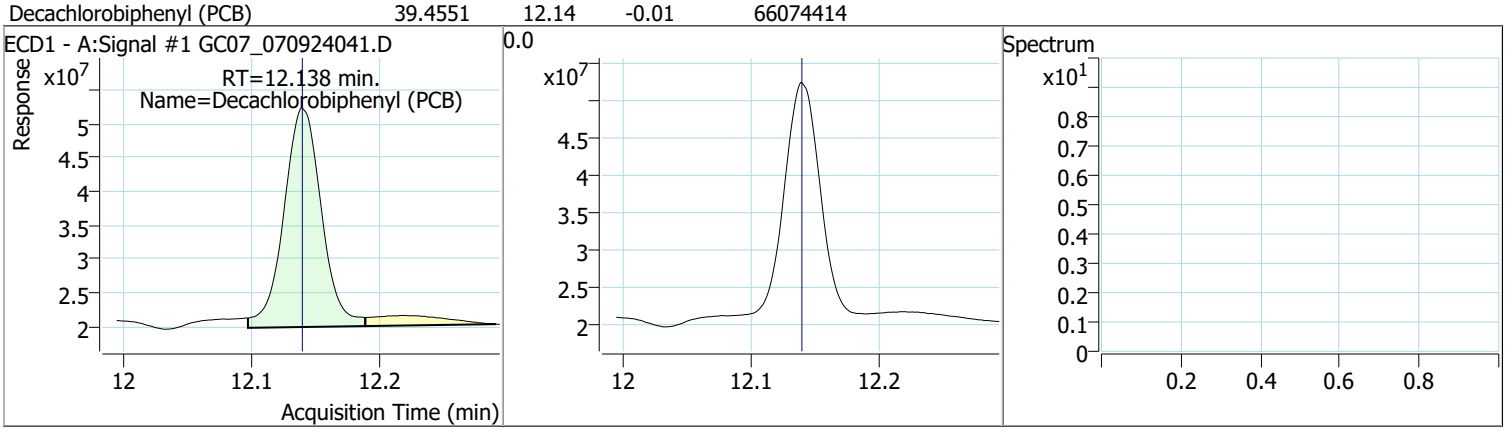
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.9551	11.08	-0.04	109523				



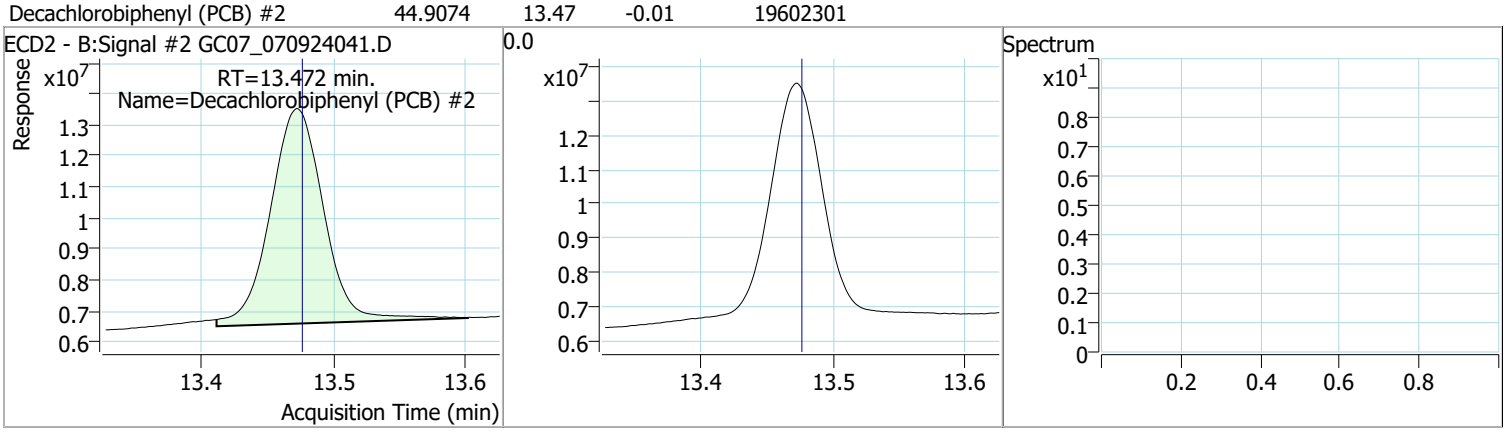
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	76.0790	11.85	0.04	2496465				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.4551	12.14	-0.01	66074414				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.9074	13.47	-0.01	19602301				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-006	Client ID:	DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA
Seqnum:	464275615042	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924042	Batch:	344625	Time:	09-JUL-2024 21:49
Cal:	464259633001	Caldate:	28-JUN-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	28.05	ug/L	ND	0.79	96%	0.50		u
Aroclor-1016 Peak # 1	B	64.01	ug/L	0.64	0.05	170%			
Aroclor-1016 Peak # 2	B	1.418	ug/L	0.01	0.36	185%			
Aroclor-1016 Peak # 3	B	70.05	ug/L	0.70	3.19	128%			
Aroclor-1016 Peak # 4	B	1.956	ug/L	0.02	0.03	51%			
Aroclor-1016 Peak # 5	B	2.799	ug/L	0.03	0.35	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	93.59	ug/L	~~0.94~~ FP	1.7	60%	0.50		x u
Aroclor-1260 Peak # 1	B	110.4	ug/L	1.10	4.60	123%			
Aroclor-1260 Peak # 2	B	27.18	ug/L	0.27	0.07	121%			
Aroclor-1260 Peak # 3	B	17.86	ug/L	0.18	0.91	135%			
Aroclor-1260 Peak # 4	B	224.8	ug/L	2.25	2.37	5%			
Aroclor-1260 Peak # 5	B	87.67	ug/L	0.88	0.78	12%			
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	46.72	pg/uL	0.5000	0.4672	93	19-121	u
Decachlorobiphenyl (PCB)	B	49.37	pg/uL	0.5000	0.4937	99	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	6215415	-13.83
1-bromo-2-nitrobenzene (PCB)	A	26536532	23139194	-12.80

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

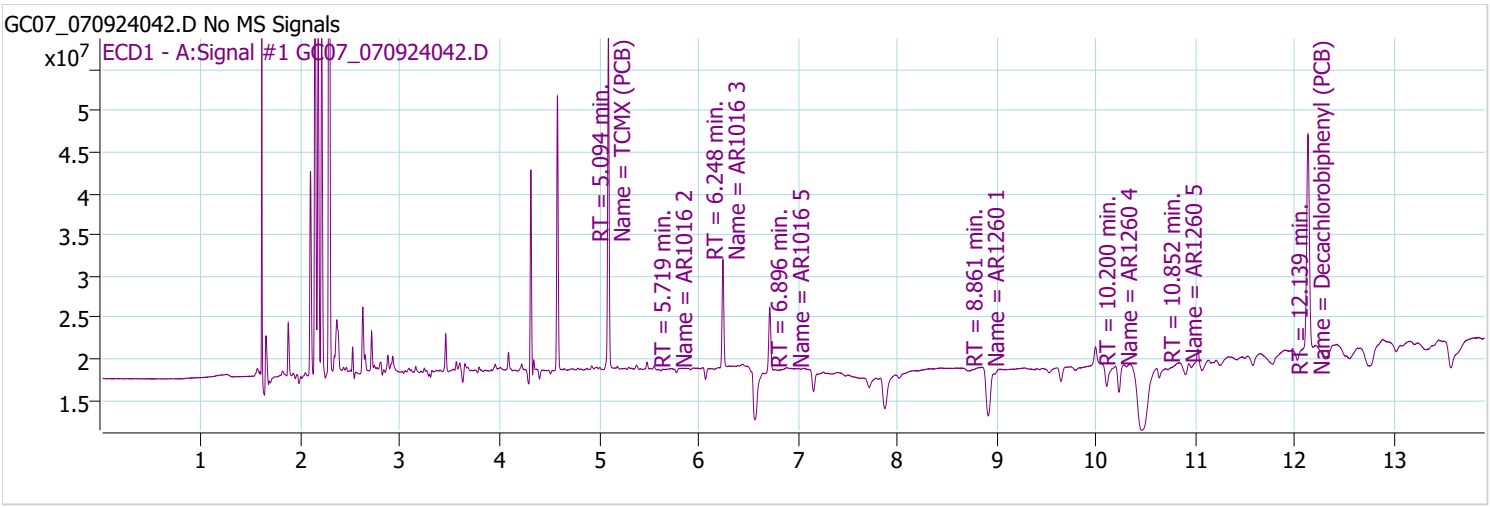
07/10/24 : WIPE/1S-10ML

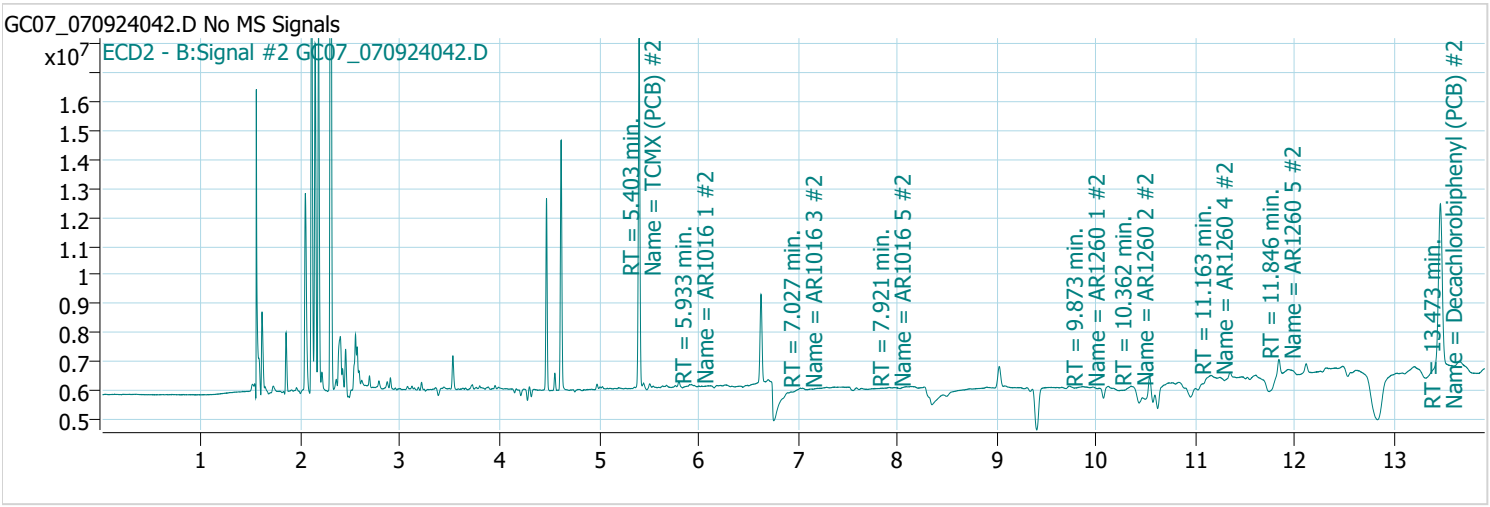
u=use x=false positive

Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924042.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 9:49:19 PM
Sample Name	511602-006, 344625, 1	Instrument	SVOA-GC07
Vial	24	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



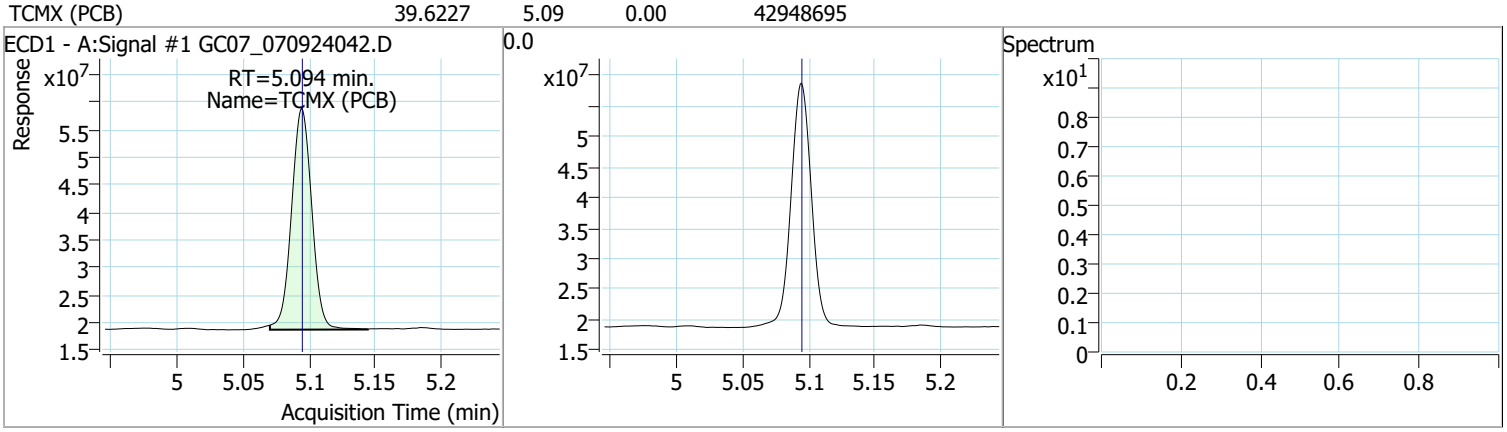


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	23139194.301	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	6215415.486	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	42948695.113	39.6227	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.11%		*	
S TCMX (PCB) #2	5.403	0.0	13929518.138	46.7242	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.62%		*	
S Decachlorobiphenyl (PCB)	12.139	0.0	55539073.001	43.5340	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.67%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	16763862.256	49.3710	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.86%		*	
Target Compounds							QValue

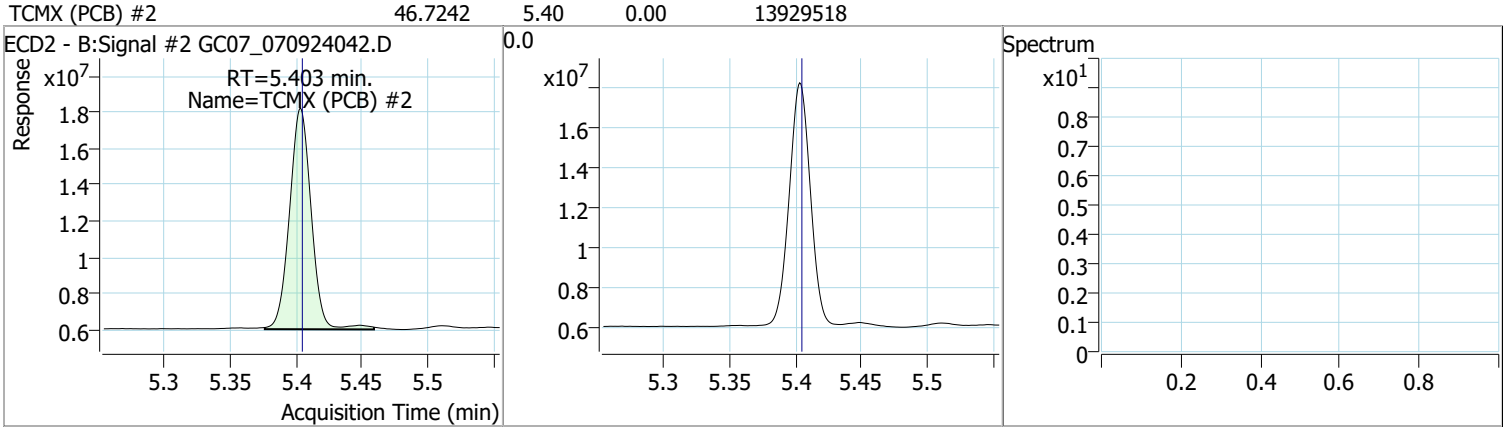
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.419	0.0	103500.489	5.1172	ng/ml	100
T AR1016 2	5.719	0.0	1491684.563	35.5015	ng/ml	100
T AR1016 1 #2	5.933	0.0	420048.110	64.0066	ng/ml	100
T AR1016 3	6.248	0.0	16142890.920	318.9620	ng/ml	100
T AR1016 2 #2	6.336	0.0	19220.390	1.4176	ng/ml	100
T AR1016 4	6.398	0.0	116344.426	3.3091	ng/ml	100
T AR1016 5	6.896	0.0	1067463.866	34.5405	ng/ml	100
T AR1016 3 #2	7.027	0.0	1184600.033	70.0514	ng/ml	100
T AR1016 4 #2	7.087	0.0	24447.480	1.9557	ng/ml	100
T AR1016 5 #2	7.921	0.0	28300.707	2.7992	ng/ml	100
T AR1260 1	8.861	0.0	28481021.920	459.5008	ng/ml	100
T AR1260 2	9.288	0.0	629314.650	6.6478	ng/ml	100
T AR1260 3	9.748	0.0	9305365.029	91.3591	ng/ml	100
T AR1260 1 #2	9.873	0.0	1984640.288	110.3699	ng/ml	100
T AR1260 4	10.200	0.0	13976084.743	237.3421	ng/ml	100
T AR1260 2 #2	10.362	0.0	613943.213	27.1779	ng/ml	100
T AR1260 3 #2	10.598	0.0	485750.362	17.8642	ng/ml	100
T AR1260 5	10.852	0.0	5470017.625	77.5740	ng/ml	100
T AR1260 4 #2	11.163	0.0	3865898.939	224.8431	ng/ml	100
T AR1260 5 #2	11.846	0.0	2237826.500	87.6703	ng/ml	100

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

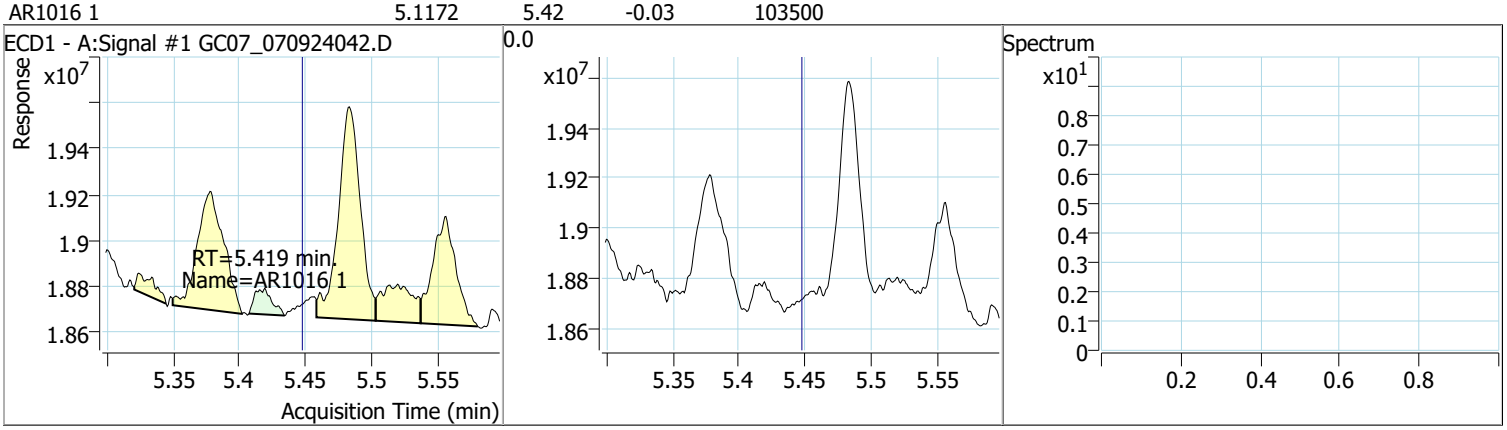
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6227	5.09	0.00	42948695				



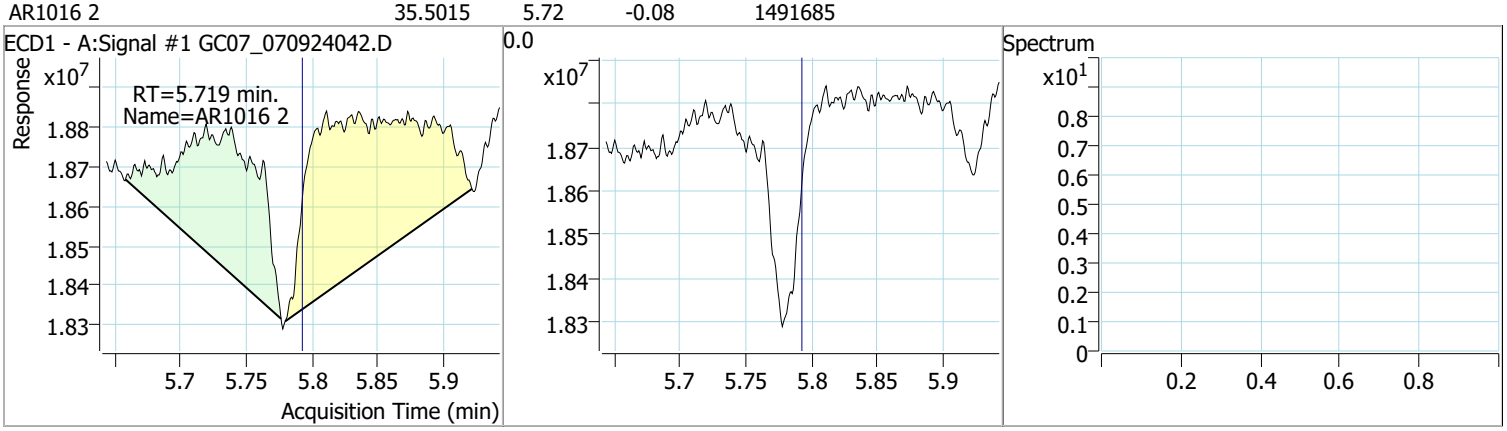
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.7242	5.40	0.00	13929518				



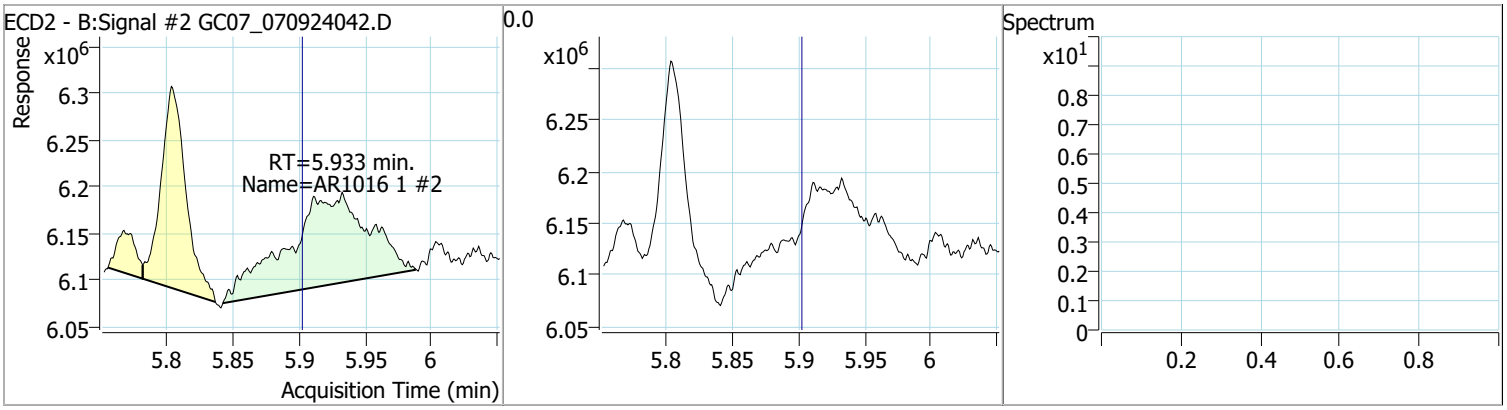
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.1172	5.42	-0.03	103500				



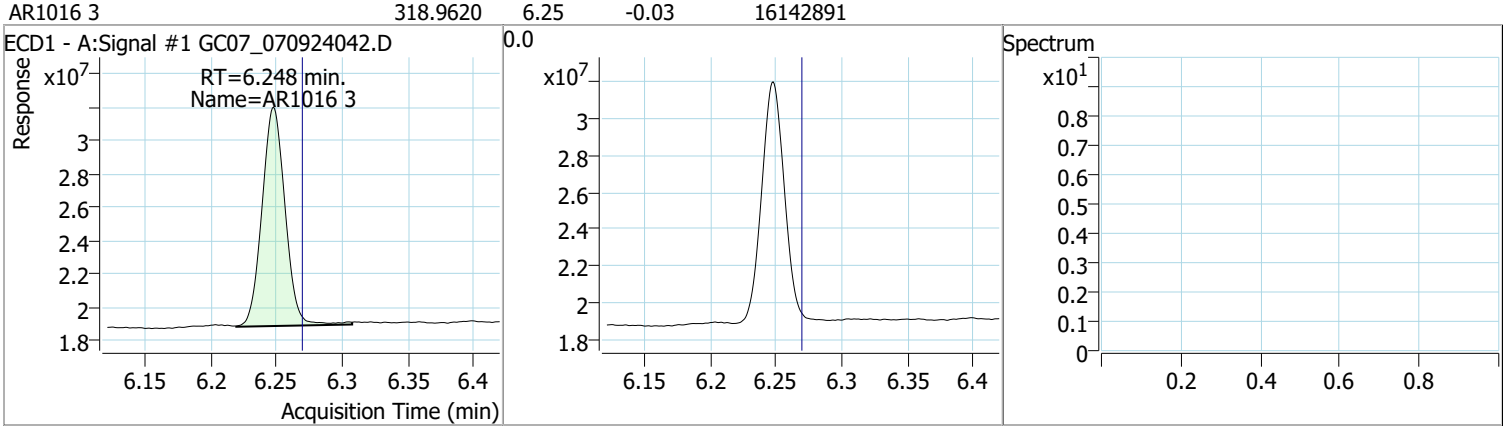
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	35.5015	5.72	-0.08	1491685				



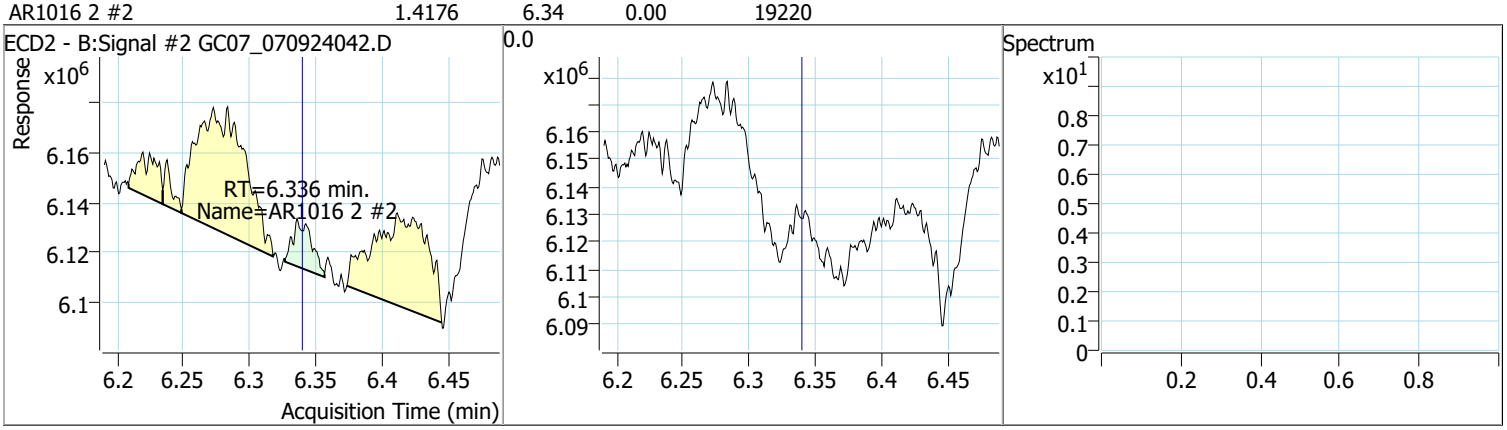
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	64.0066	5.93	0.03	420048				



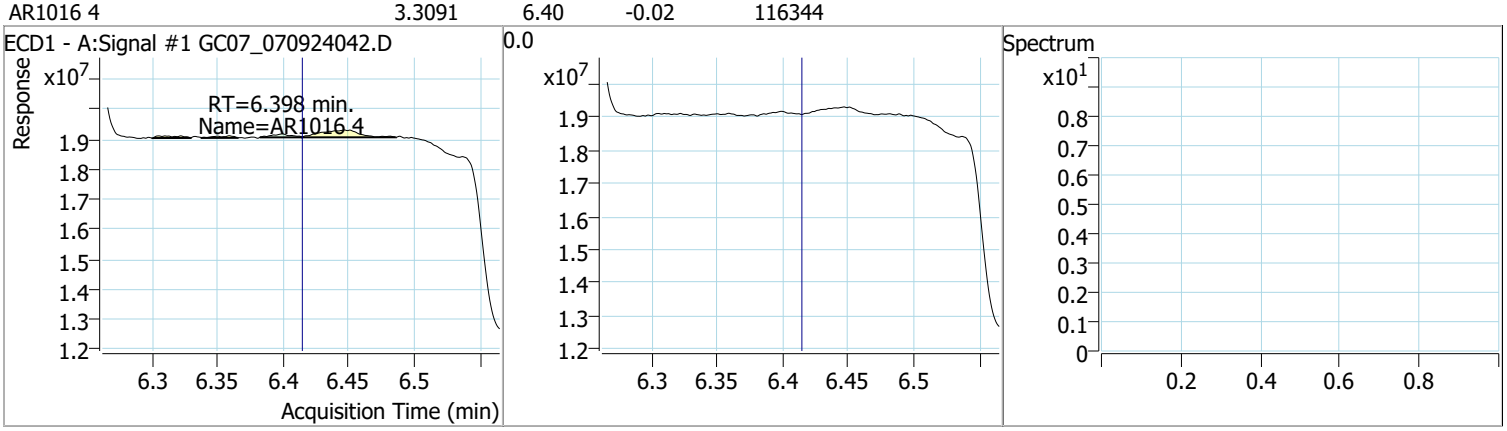
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	318.9620	6.25	-0.03	16142891				



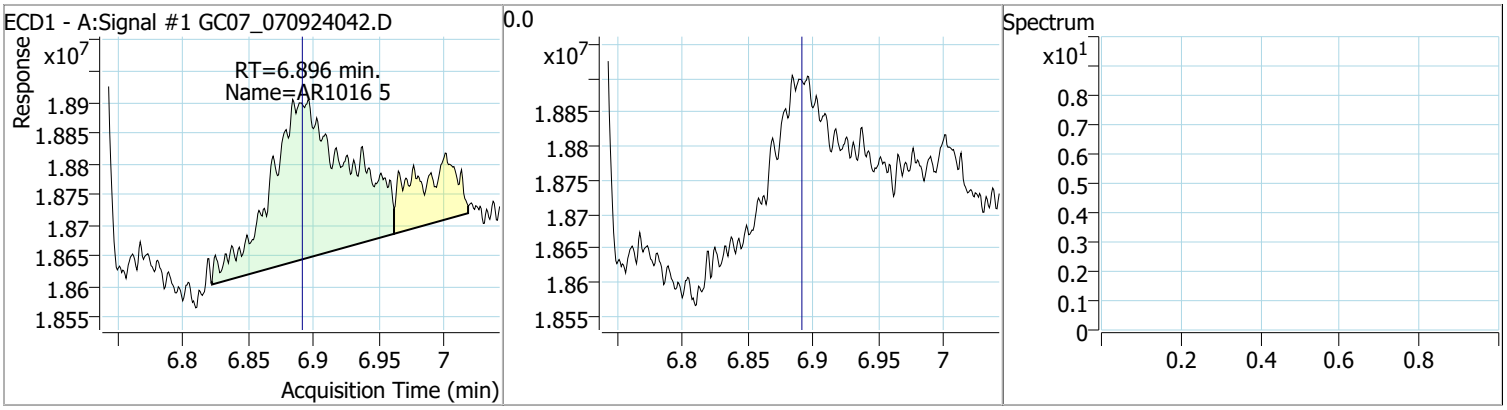
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.4176	6.34	0.00	19220				



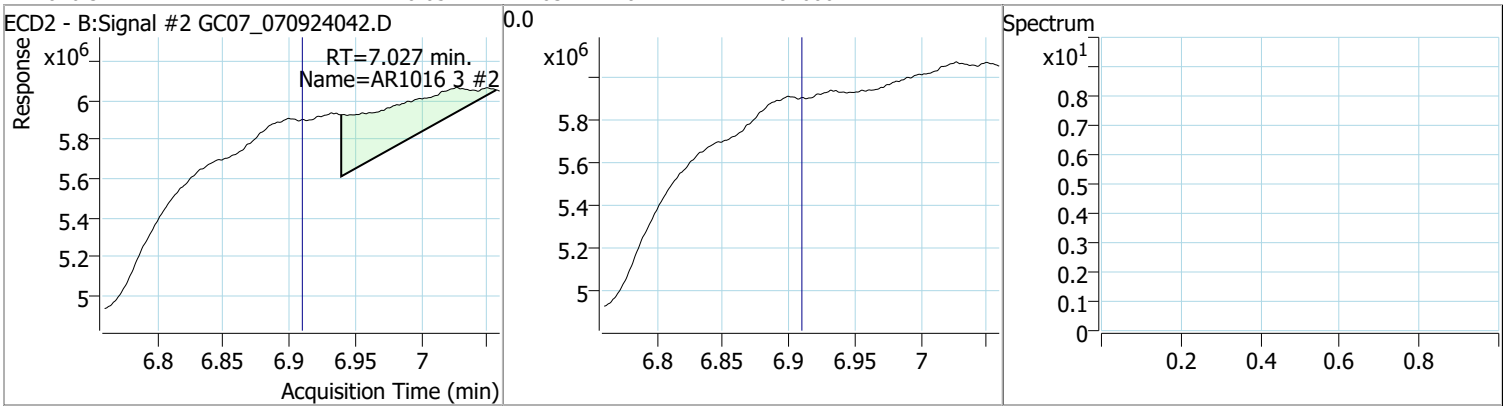
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.3091	6.40	-0.02	116344				



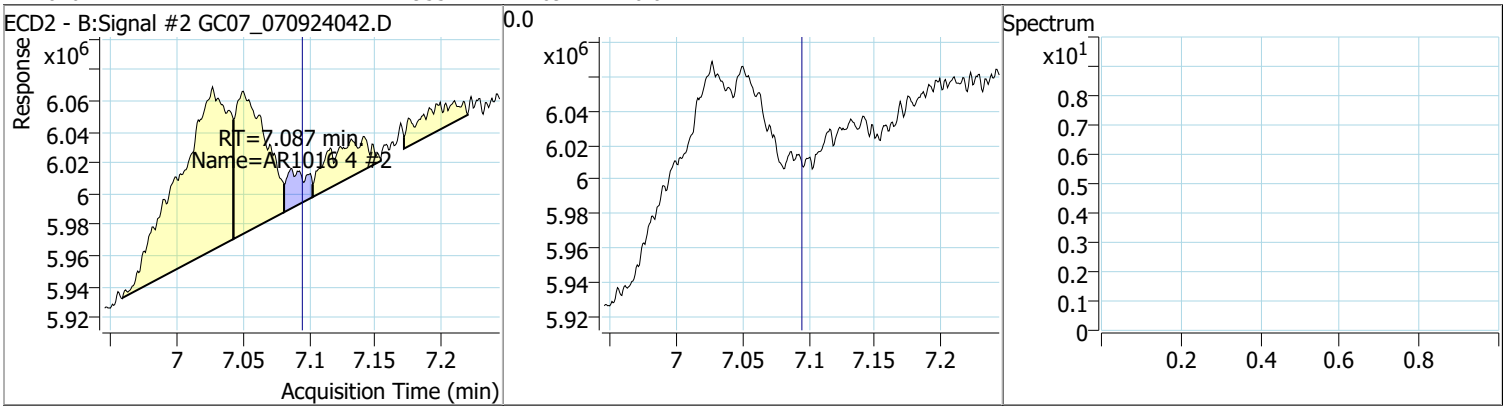
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	34.5405	6.90	0.00	1067464				



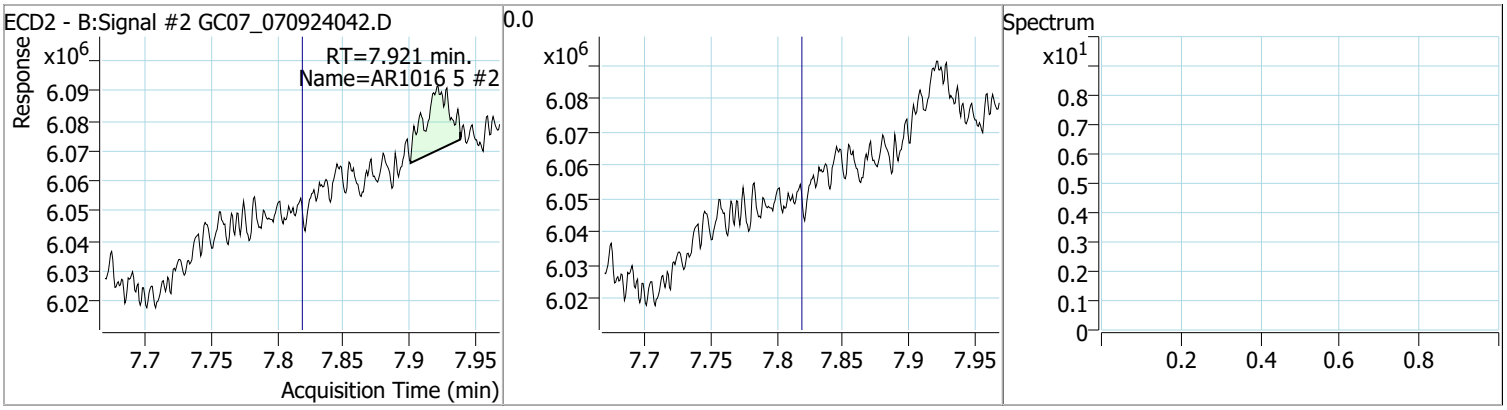
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	70.0514	7.03	0.12	1184600				



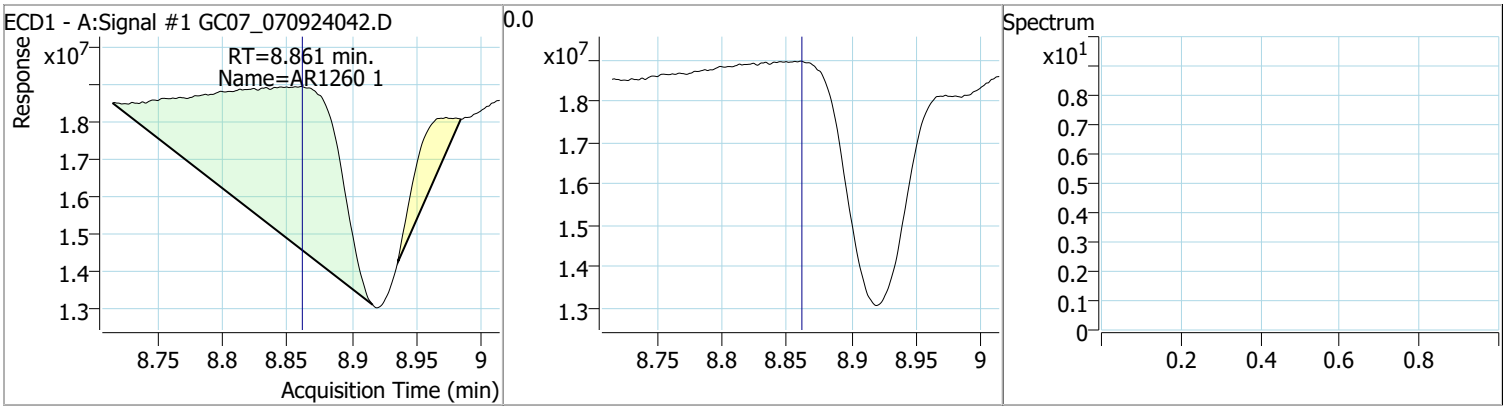
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9557	7.09	-0.01	24447				



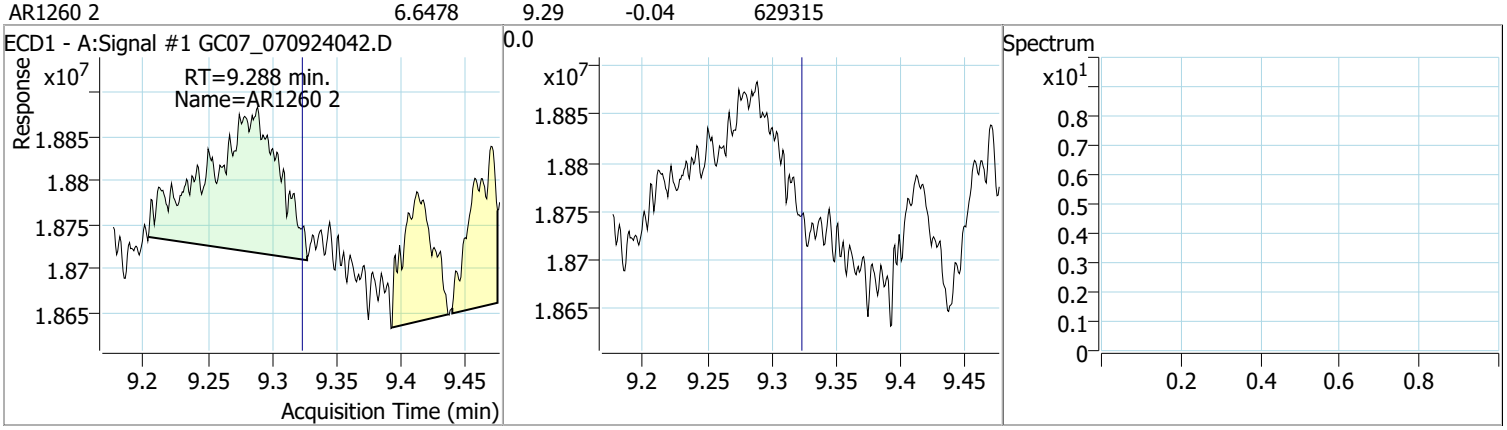
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.7992	7.92	0.10	28301				



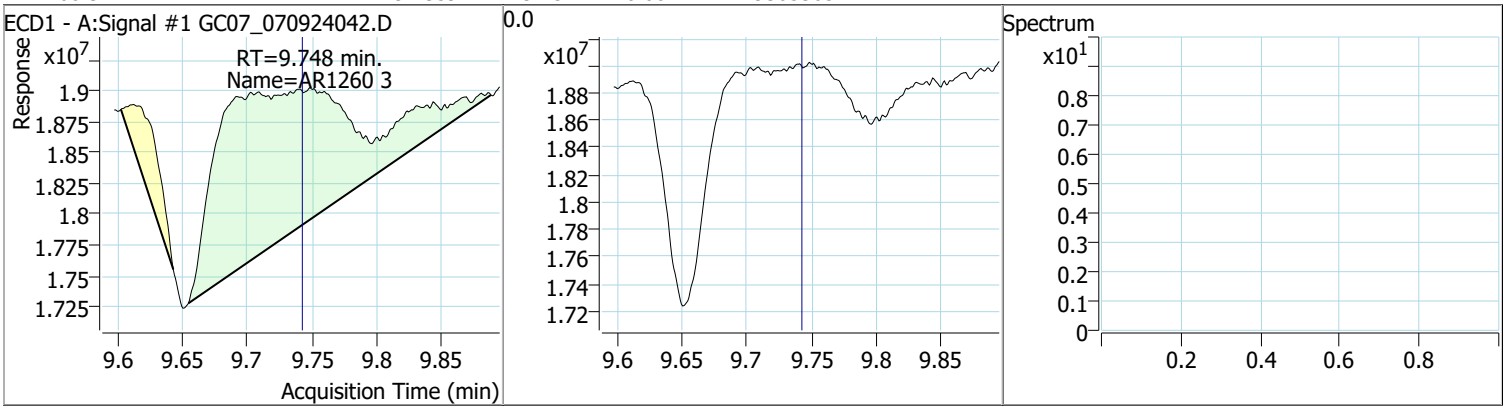
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	459.5008	8.86	-0.01	28481022				



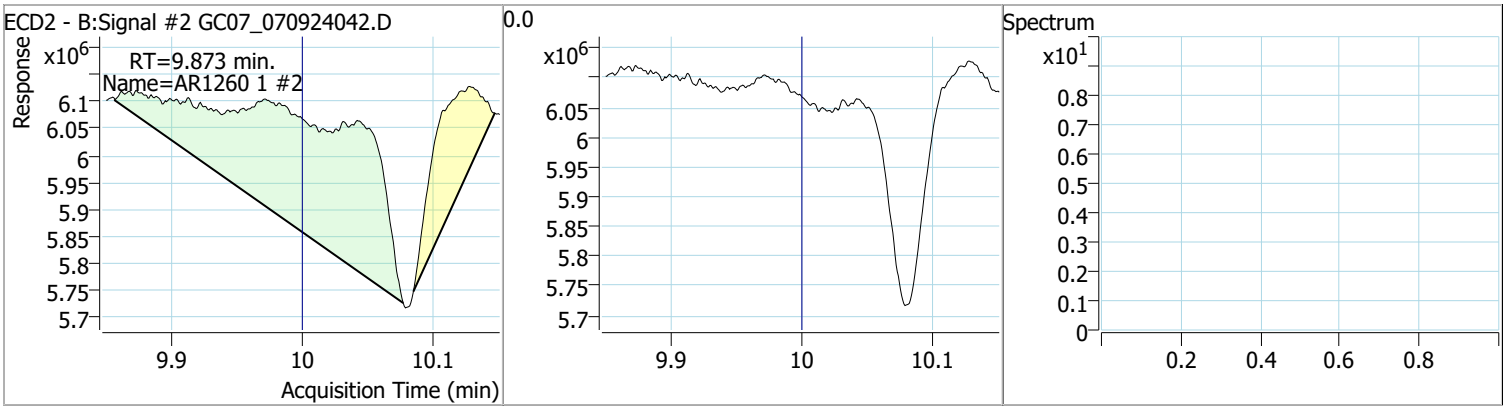
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.6478	9.29	-0.04	629315				



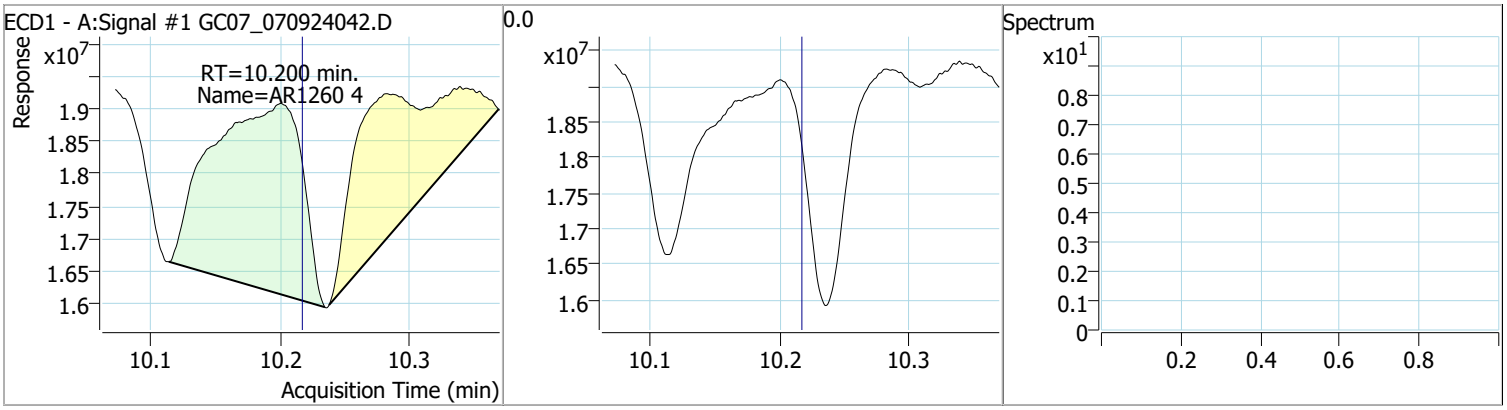
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	91.3591	9.75	0.00	9305365				



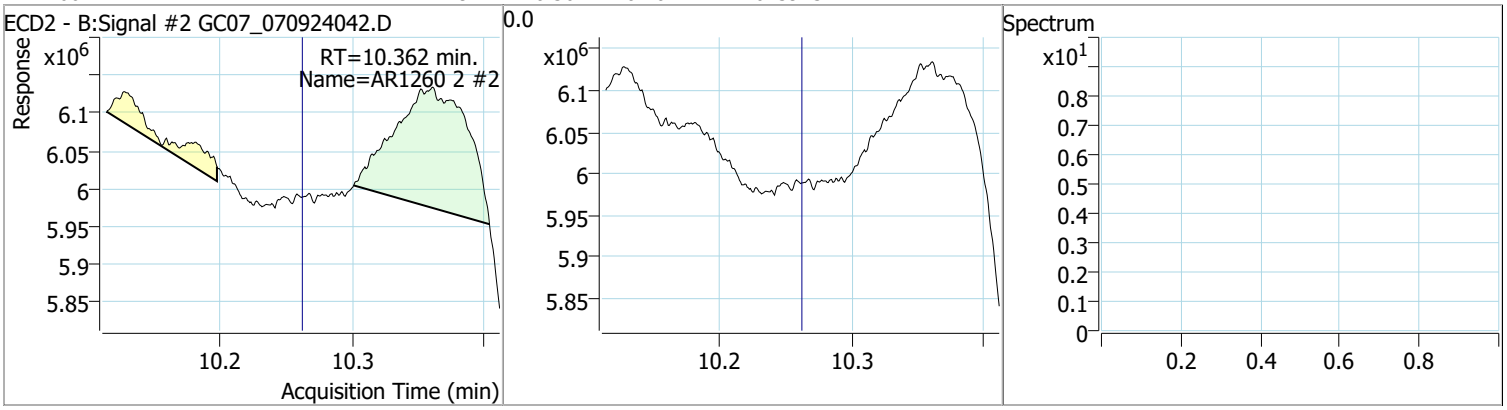
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	110.3699	9.87	-0.13	1984640				



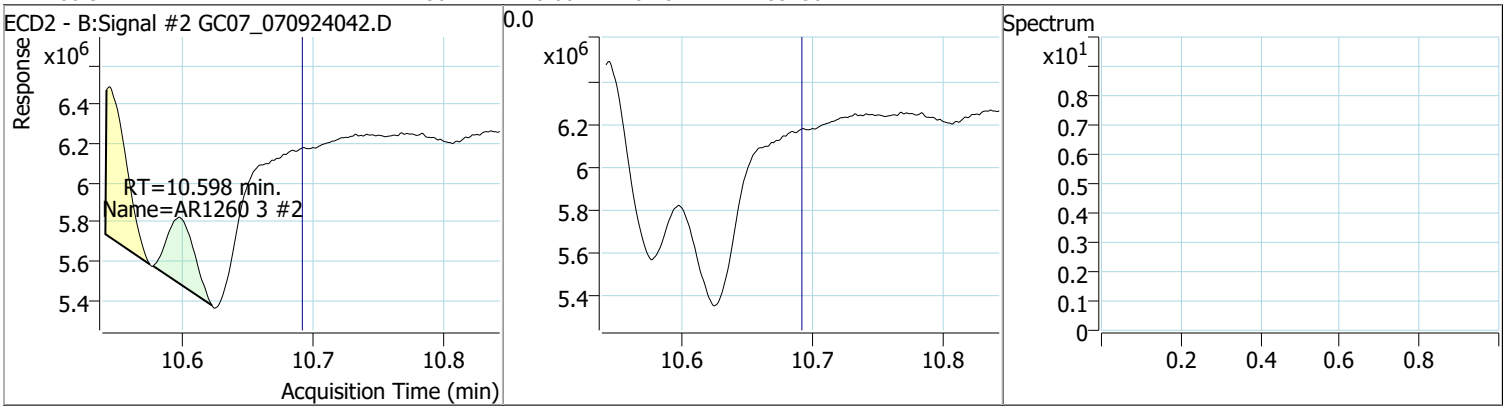
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	237.3421	10.20	-0.02	13976085				



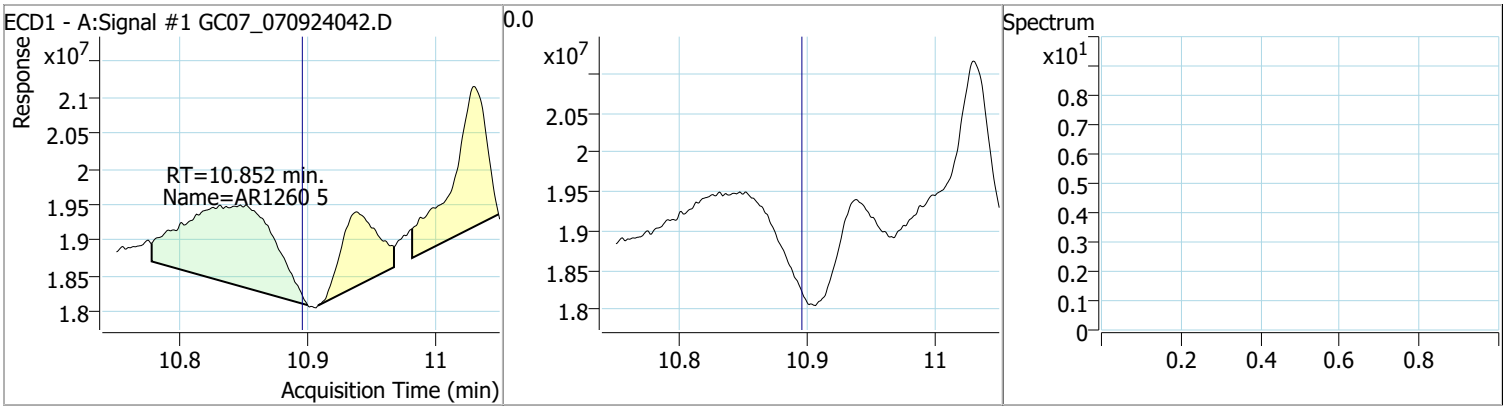
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.1779	10.36	0.10	613943				



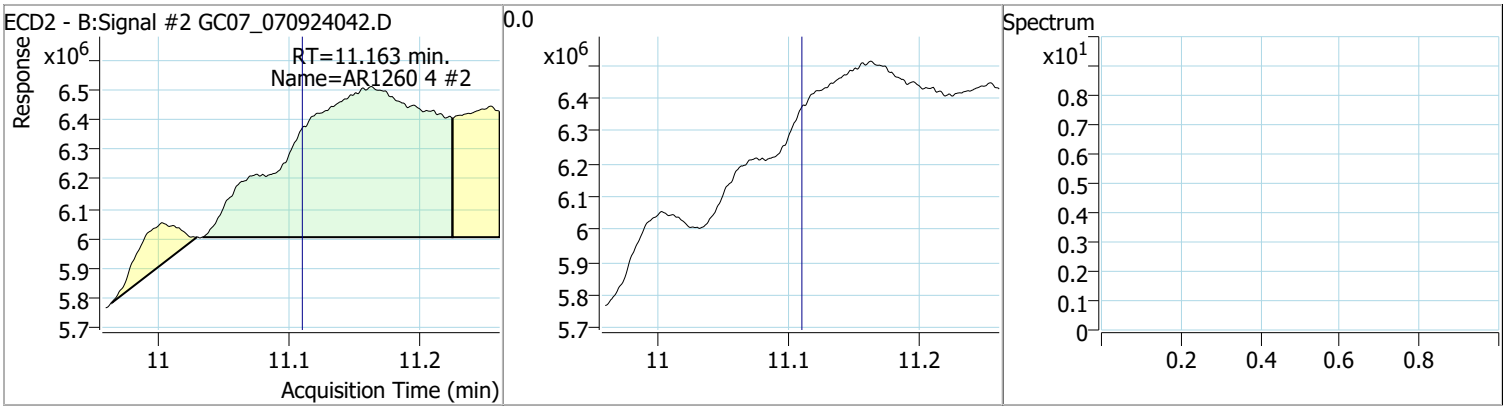
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	17.8642	10.60	-0.10	485750				



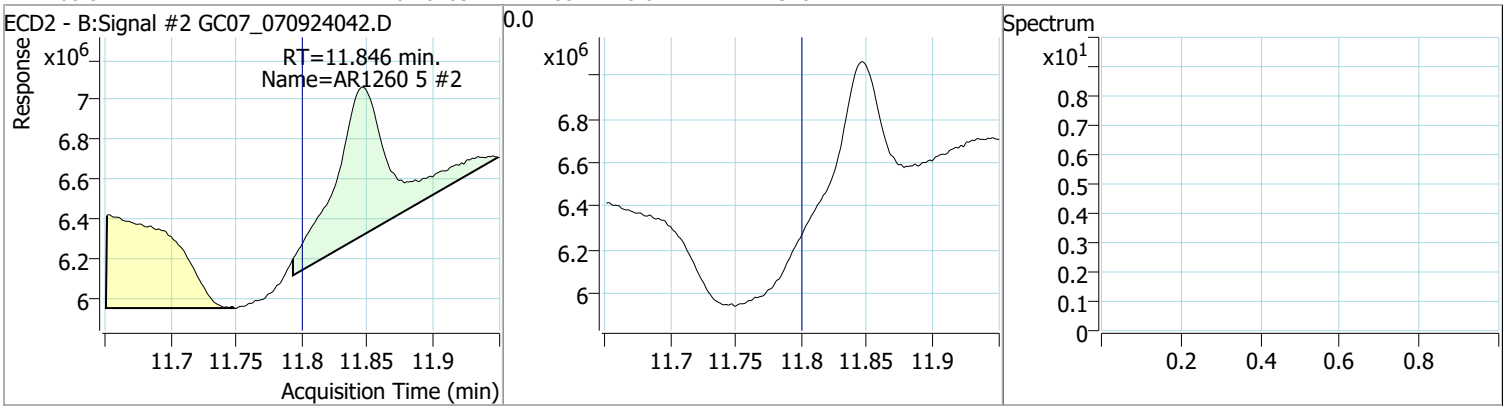
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	77.5740	10.85	-0.05	5470018				



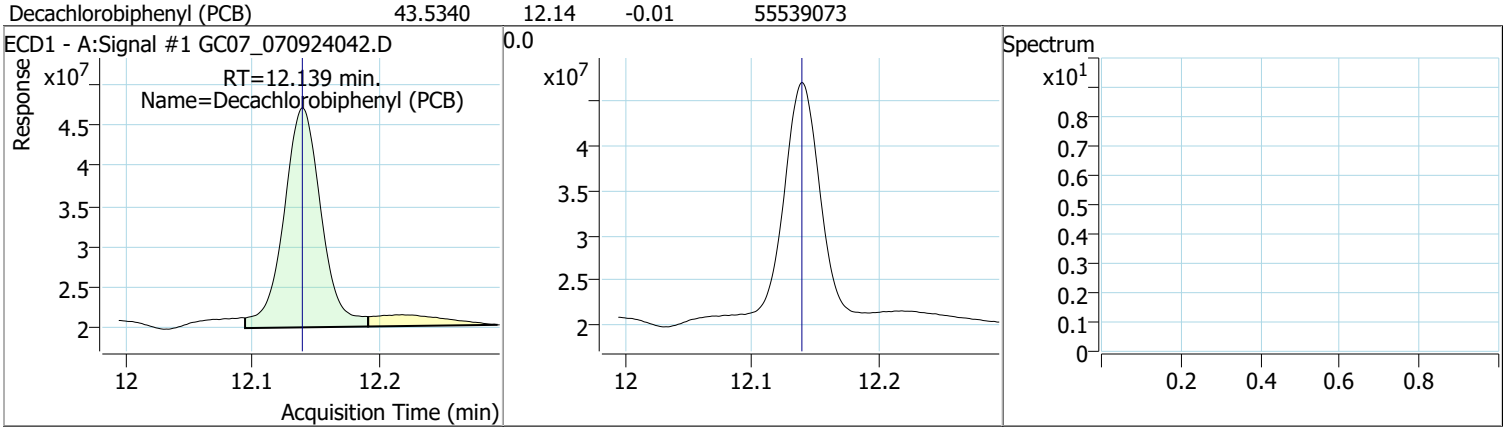
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	224.8431	11.16	0.05	3865899				



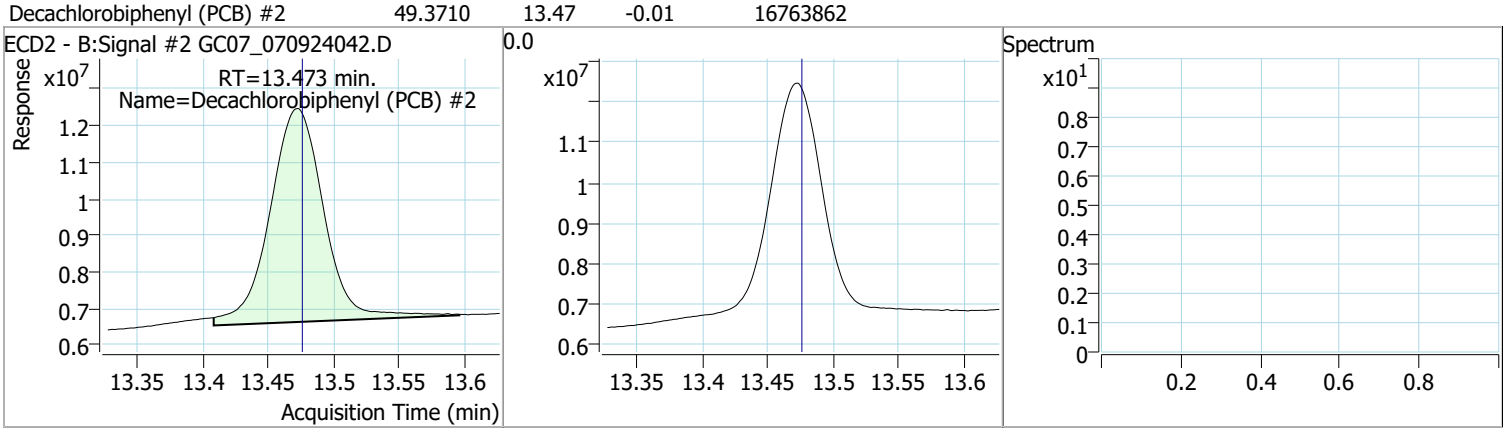
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	87.6703	11.85	0.04	2237827				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.5340	12.14	-0.01	55539073				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.3710	13.47	-0.01	16763862				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	511602-007	Client ID:	240708-P-FIELDBLANK1-HO
Seqnum:	464275615043	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_070924043	Batch:	344625	Time:	09-JUL-2024 22:06
Cal:	464259633001	Caldate:	28-JUN-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	13.54	ug/L	ND	ND	40%	0.50		u
Aroclor-1016 Peak # 1	B	53.01	ug/L	0.53	0.07	154%			
Aroclor-1016 Peak # 2	B	4.673	ug/L	0.05	0.06	30%			
Aroclor-1016 Peak # 3	B	1.939	ug/L	0.02	0.51	185%			
Aroclor-1016 Peak # 4	B	5.846	ug/L	0.06	0.11	57%			
Aroclor-1016 Peak # 5	B	2.234	ug/L	0.02	0.27	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	41.97	ug/L	ND	1.3	100%	0.50		u
Aroclor-1260 Peak # 1	B	53.84	ug/L	0.54	3.57	148%			
Aroclor-1260 Peak # 2	B	66.87	ug/L	0.67	0.01	193%			
Aroclor-1260 Peak # 3	B	11.00	ug/L	0.11	0.59	137%			
Aroclor-1260 Peak # 4	B	16.90	ug/L	0.17	1.48	159%			
Aroclor-1260 Peak # 5	B	61.23	ug/L	0.61	0.67	9%			
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	42.42	pg/uL	0.5000	0.4242	85	19-121	u
Decachlorobiphenyl (PCB)	B	44.31	pg/uL	0.5000	0.4431	89	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	6706170	-7.03
1-bromo-2-nitrobenzene (PCB)	A	26536532	23706691	-10.66

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

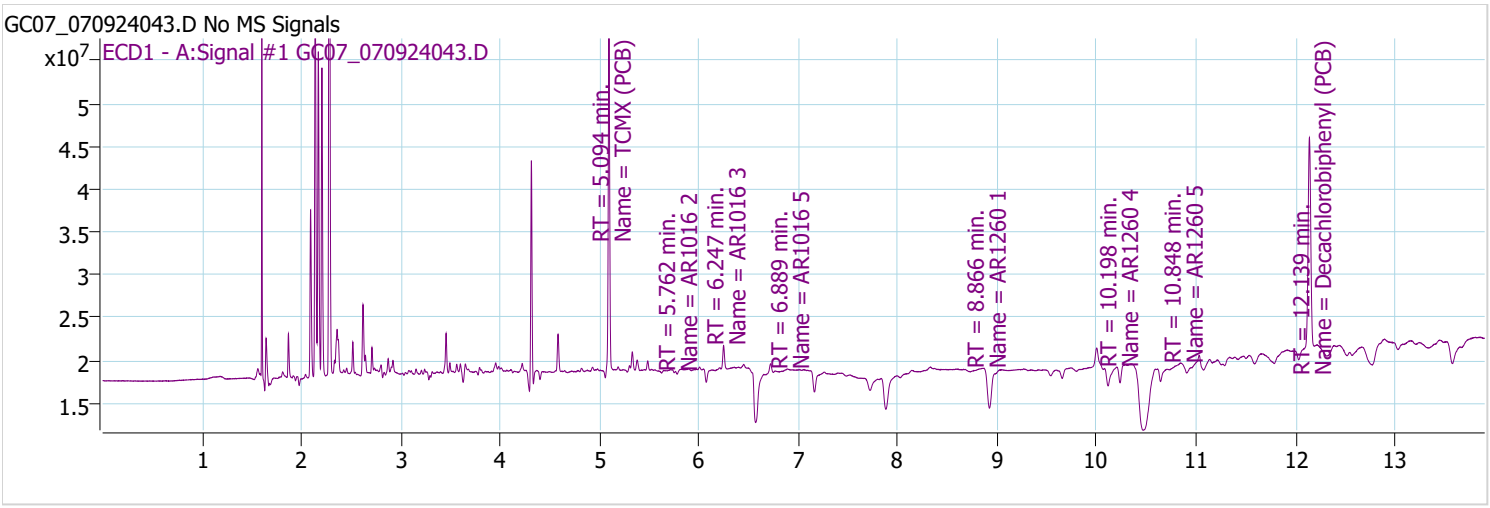
07/10/24 : WIPE/1S-10ML

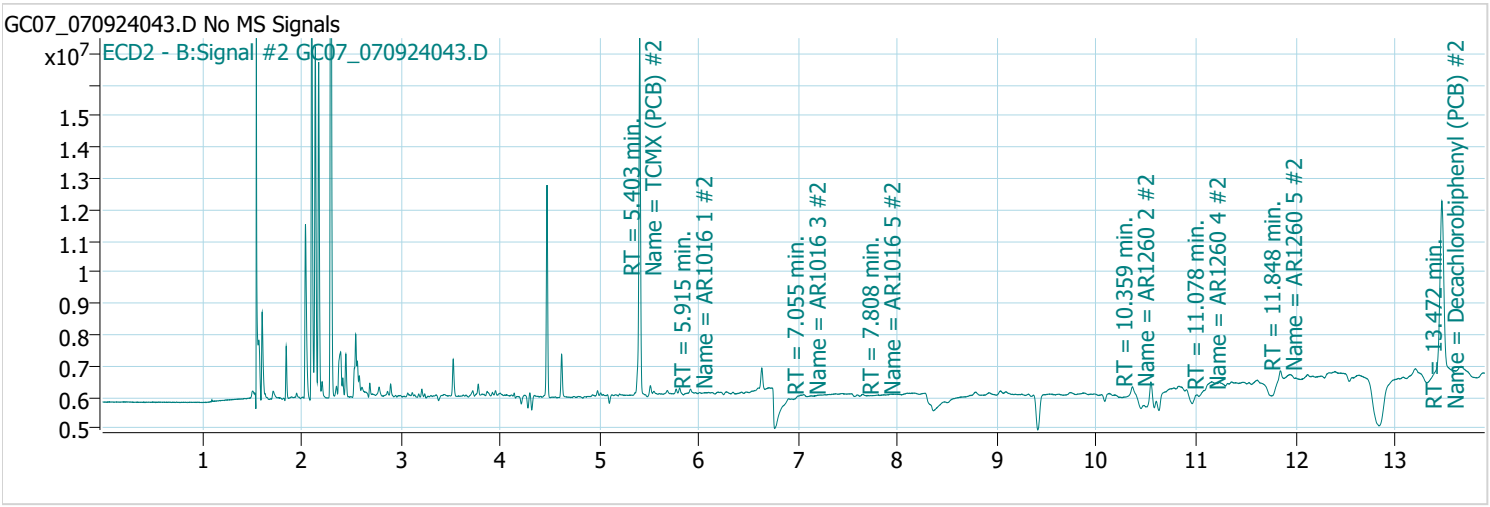
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Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924043.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 10:06:53 PM
Sample Name	511602-007, 344625, 1	Instrument	SVOA-GC07
Vial	25	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



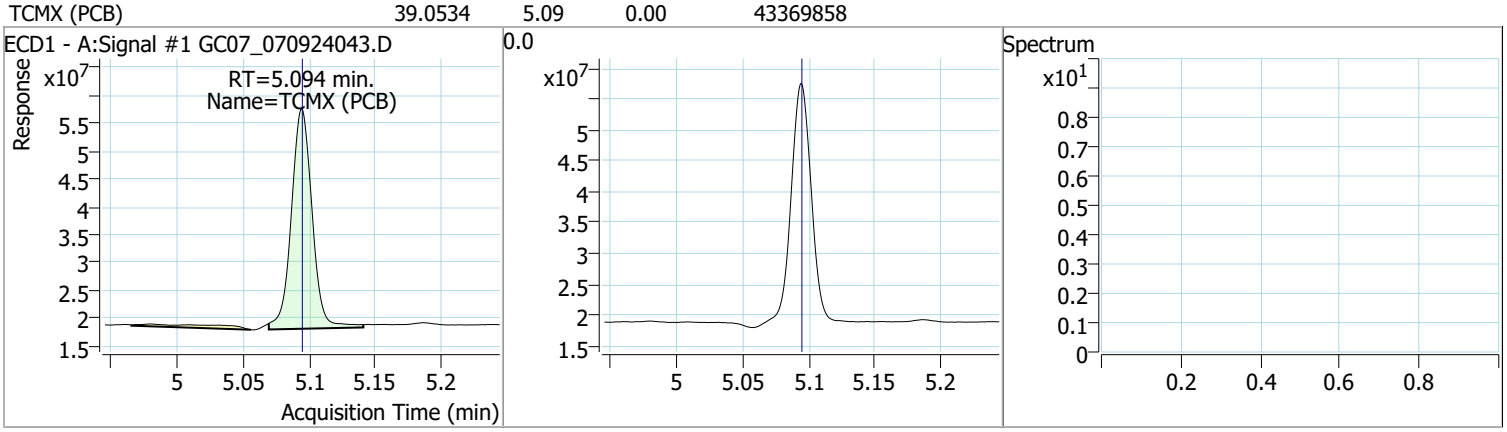


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	23706691.479	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	6706170.450	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	43369857.604	39.0534	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.27%		*	
S TCMX (PCB) #2	5.403	0.0	13645604.451	42.4223	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.11%		*	
S Decachlorobiphenyl (PCB)	12.139	0.0	51746539.242	39.5903	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.95%		*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	16233926.689	44.3116	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.56%		*	
Target Compounds							QValue

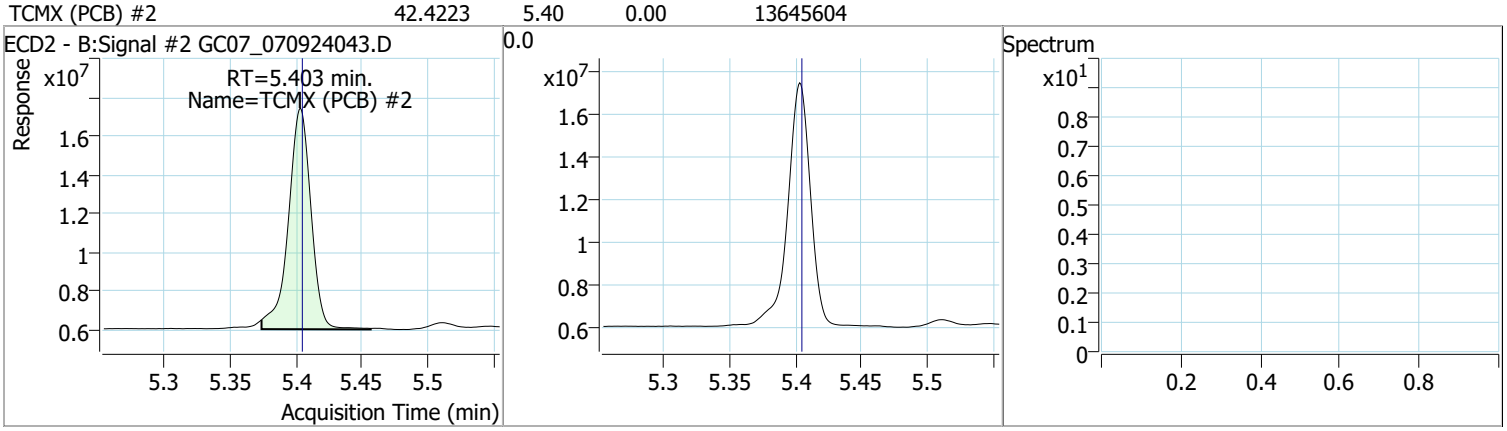
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.451	0.0	141358.112	6.8217	ng/ml	100
T AR1016 2	5.762	0.0	271591.654	6.3090	ng/ml	100
T AR1016 1 #2	5.915	0.0	375340.372	53.0087	ng/ml	100
T AR1016 3	6.247	0.0	3516517.890	51.1998	ng/ml	100
T AR1016 2 #2	6.342	0.0	68360.039	4.6728	ng/ml	100
T AR1016 4	6.398	0.0	378867.168	10.5179	ng/ml	100
T AR1016 5	6.889	0.0	861607.795	27.2121	ng/ml	100
T AR1016 3 #2	7.055	0.0	35374.634	1.9388	ng/ml	100
T AR1016 4 #2	7.127	0.0	78853.114	5.8463	ng/ml	100
T AR1016 5 #2	7.808	0.0	24369.699	2.2340	ng/ml	100
T AR1260 1	8.866	0.0	22685193.807	357.2321	ng/ml	100
T AR1260 2	9.348	0.0	119663.351	1.2338	ng/ml	100
T AR1260 3	9.743	0.0	6171143.864	59.1373	ng/ml	100
T AR1260 1 #2	9.977	0.0	1044654.776	53.8440	ng/ml	100
T AR1260 4	10.198	0.0	8912703.314	147.7325	ng/ml	100
T AR1260 2 #2	10.359	0.0	1629955.047	66.8741	ng/ml	100
T AR1260 3 #2	10.598	0.0	322863.193	11.0048	ng/ml	100
T AR1260 5	10.848	0.0	4831796.655	66.8827	ng/ml	100
T AR1260 4 #2	11.078	0.0	313566.000	16.9026	ng/ml	100
T AR1260 5 #2	11.848	0.0	1686393.668	61.2323	ng/ml	100

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

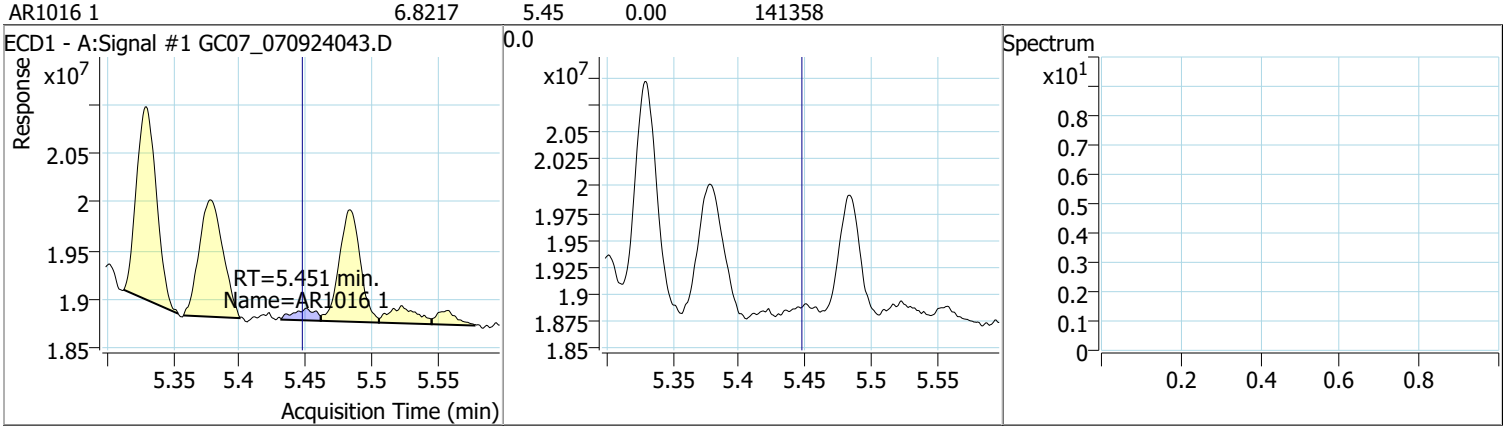
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.0534	5.09	0.00	43369858				



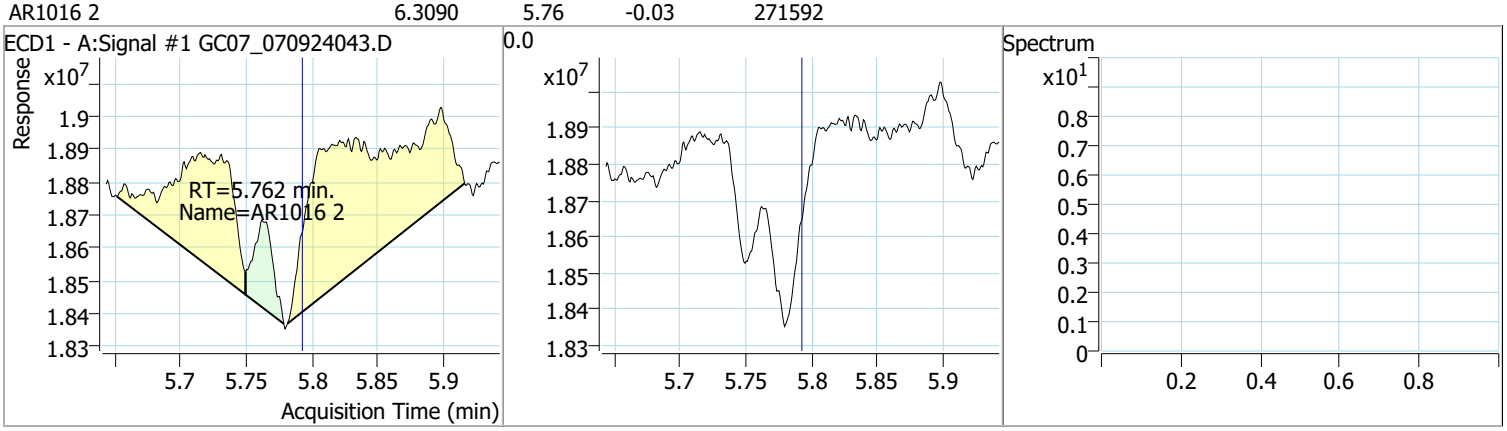
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.4223	5.40	0.00	13645604				



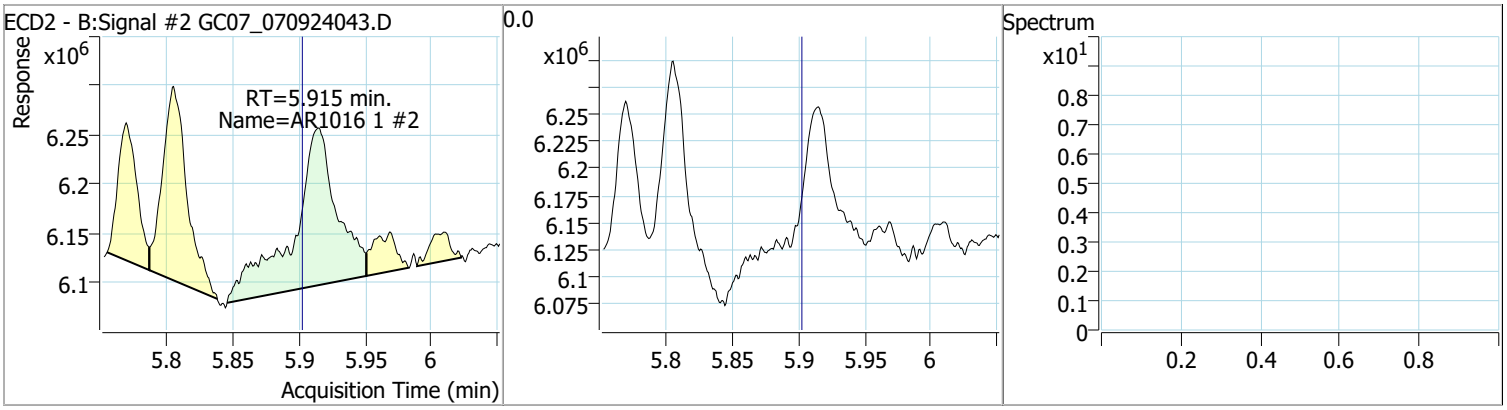
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	6.8217	5.45	0.00	141358				



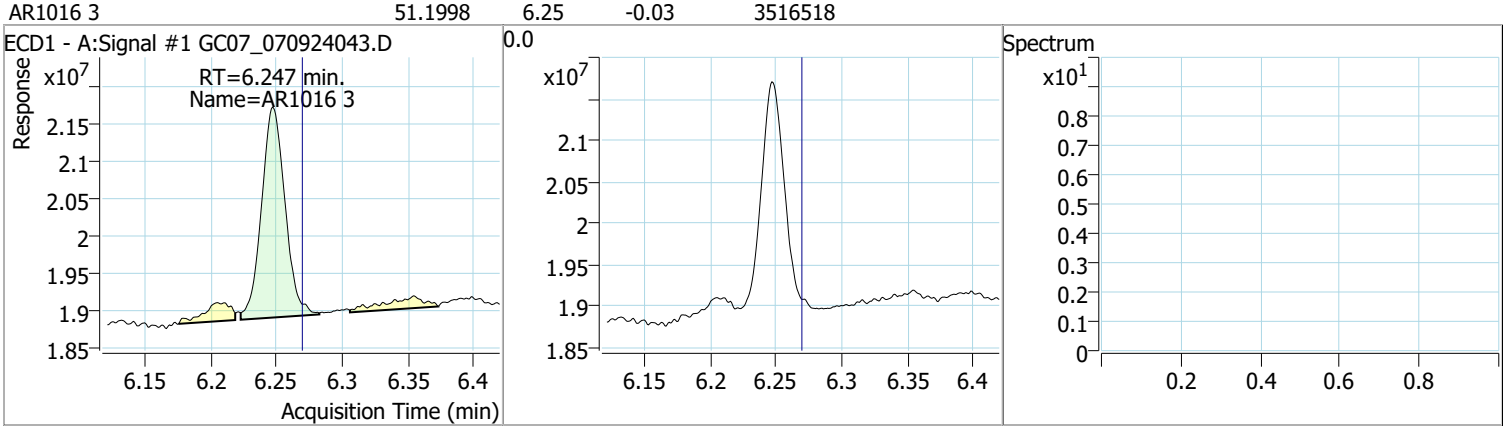
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.3090	5.76	-0.03	271592				



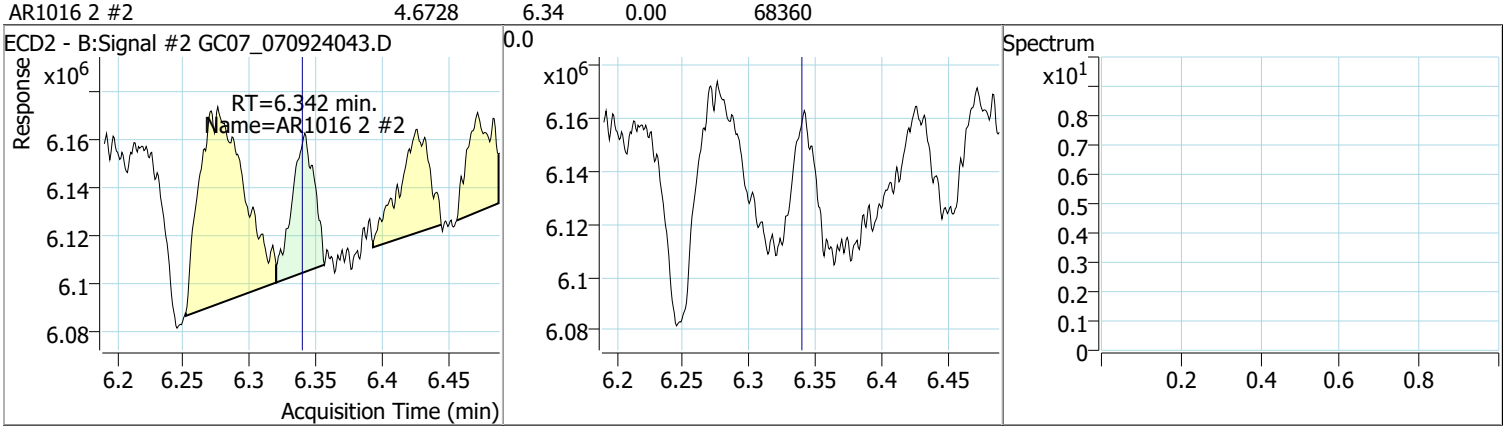
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.0087	5.92	0.01	375340				



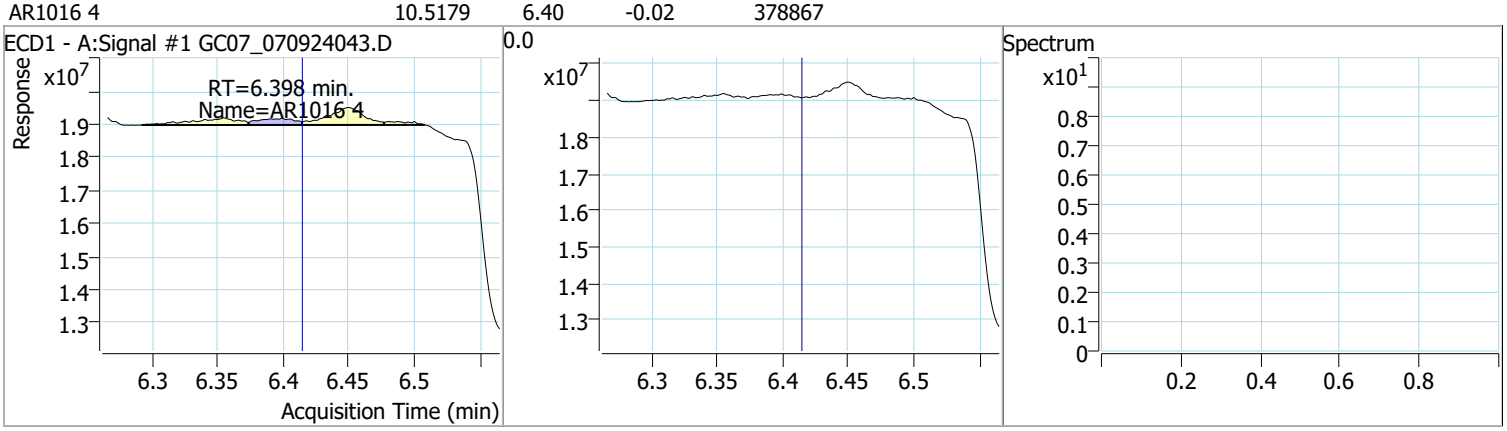
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	51.1998	6.25	-0.03	3516518				



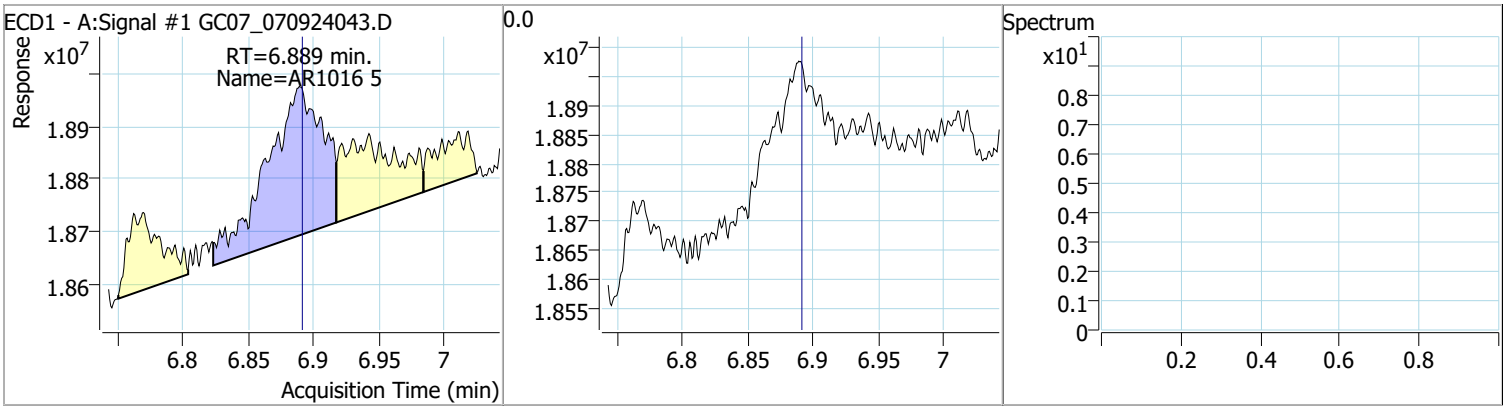
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.6728	6.34	0.00	68360				



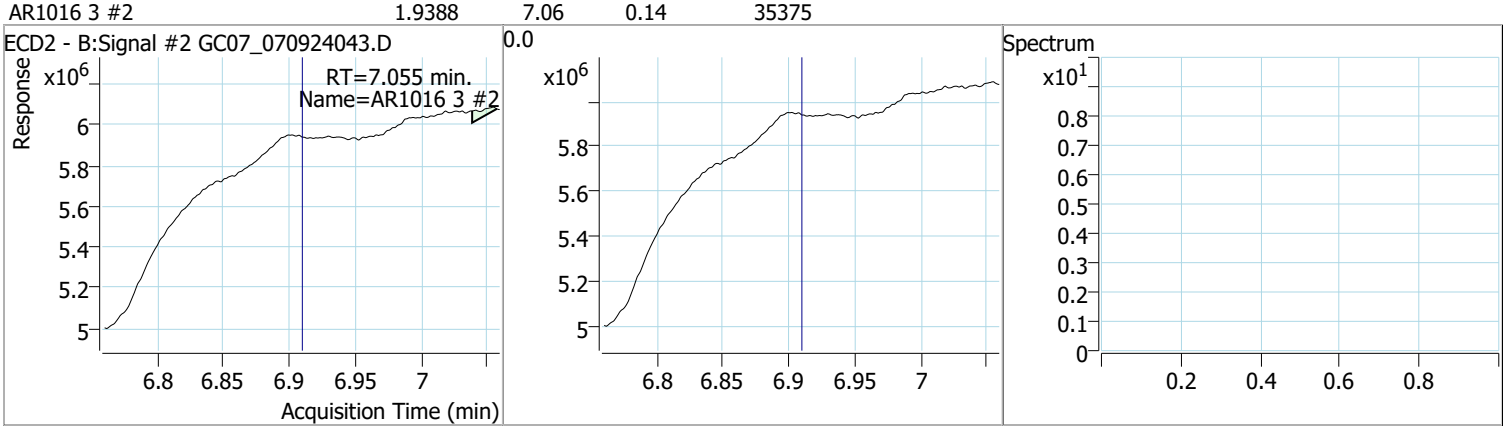
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	10.5179	6.40	-0.02	378867				



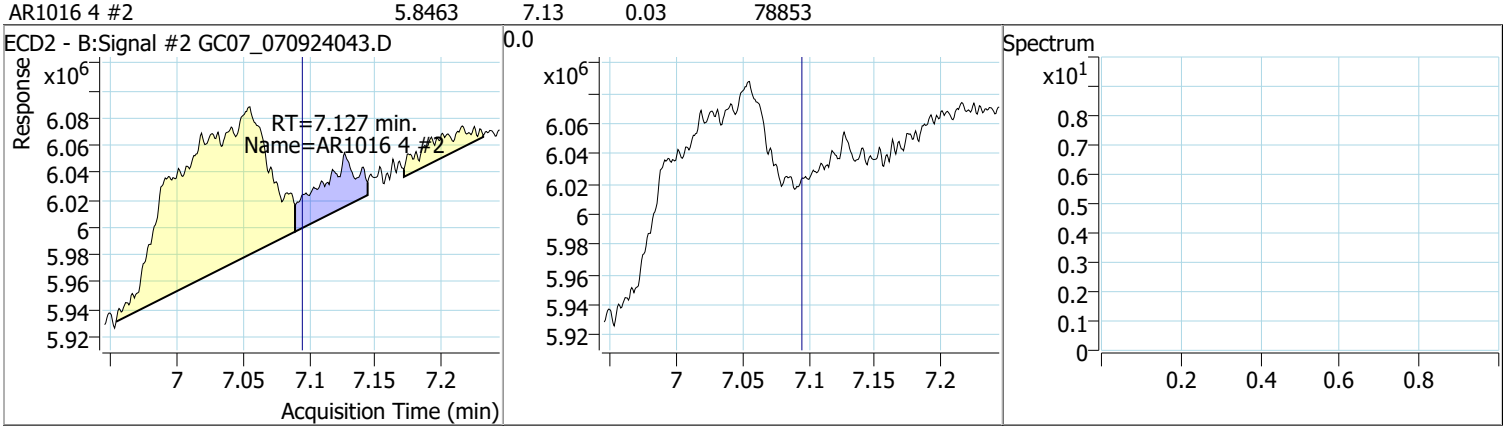
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	27.2121	6.89	-0.01	861608				



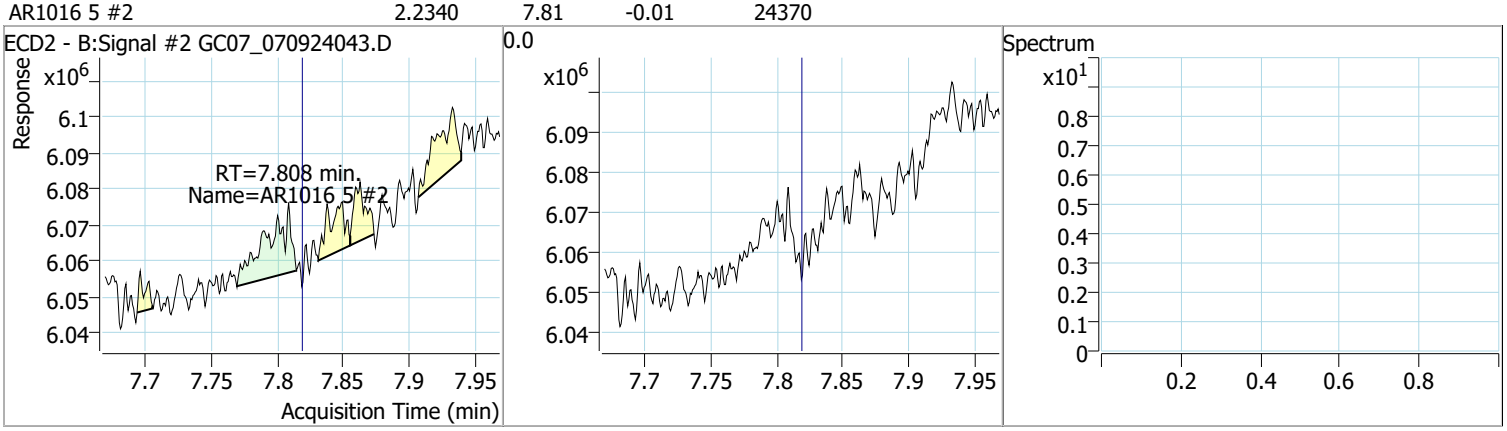
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.9388	7.06	0.14	35375				



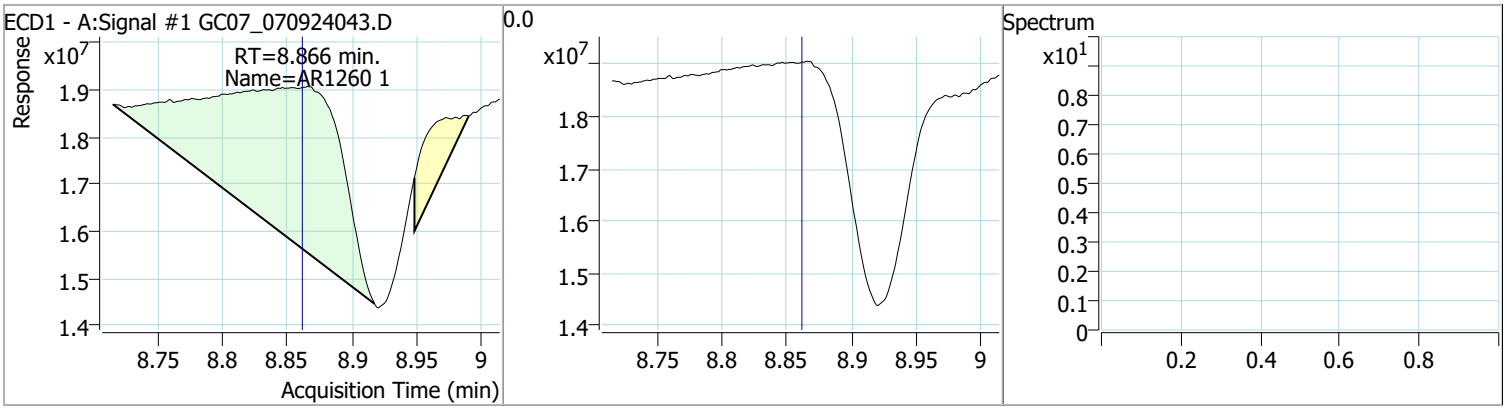
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.8463	7.13	0.03	78853				



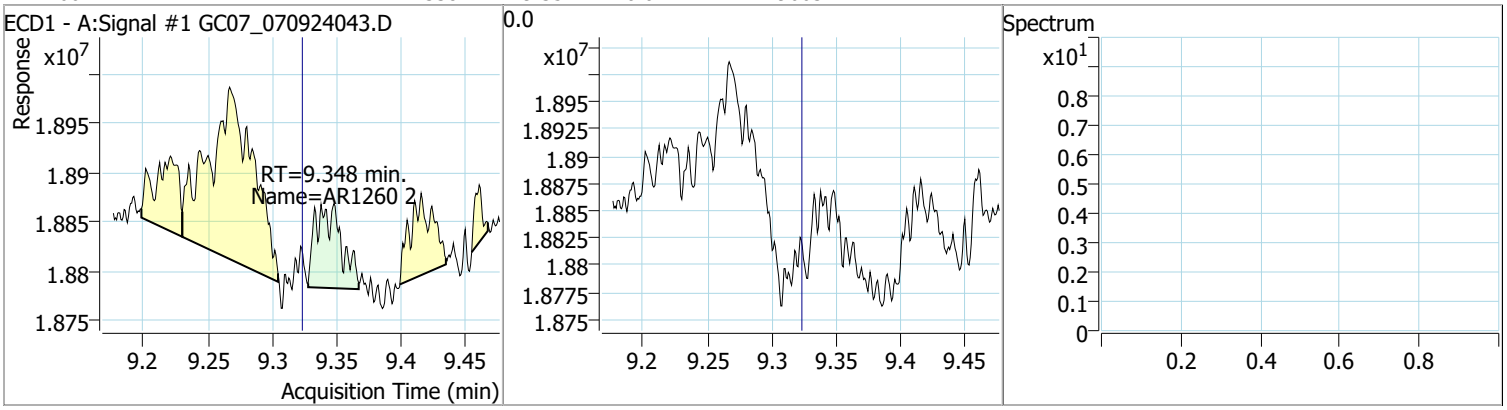
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.2340	7.81	-0.01	24370				



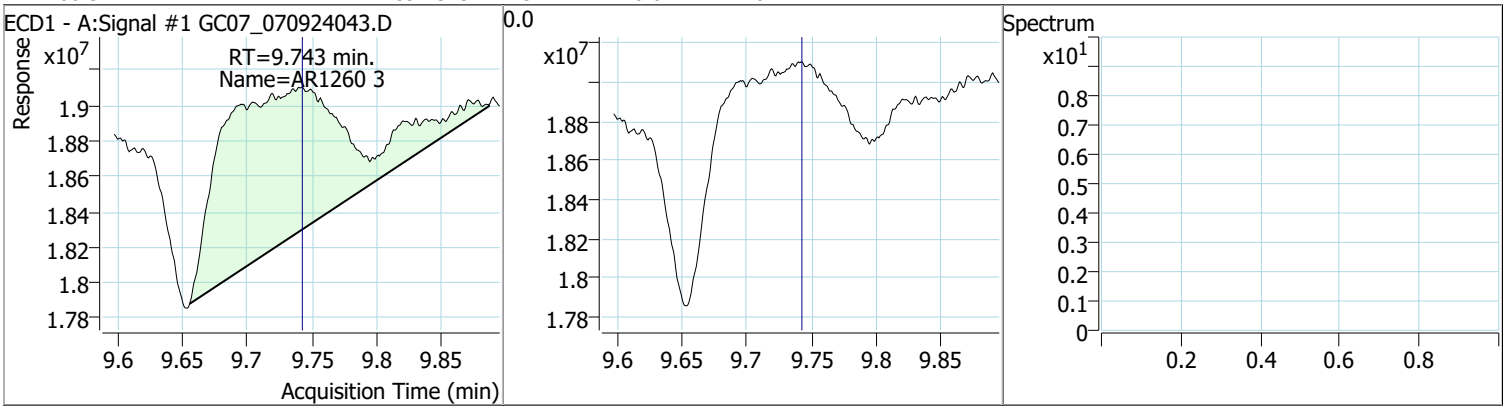
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	357.2321	8.87	0.00	22685194				



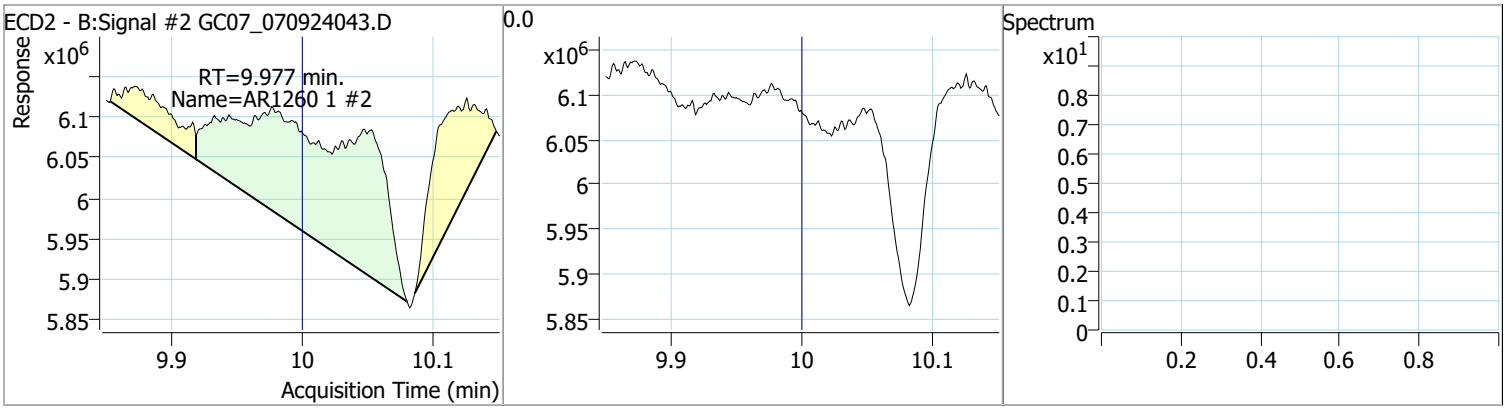
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2338	9.35	0.02	119663				



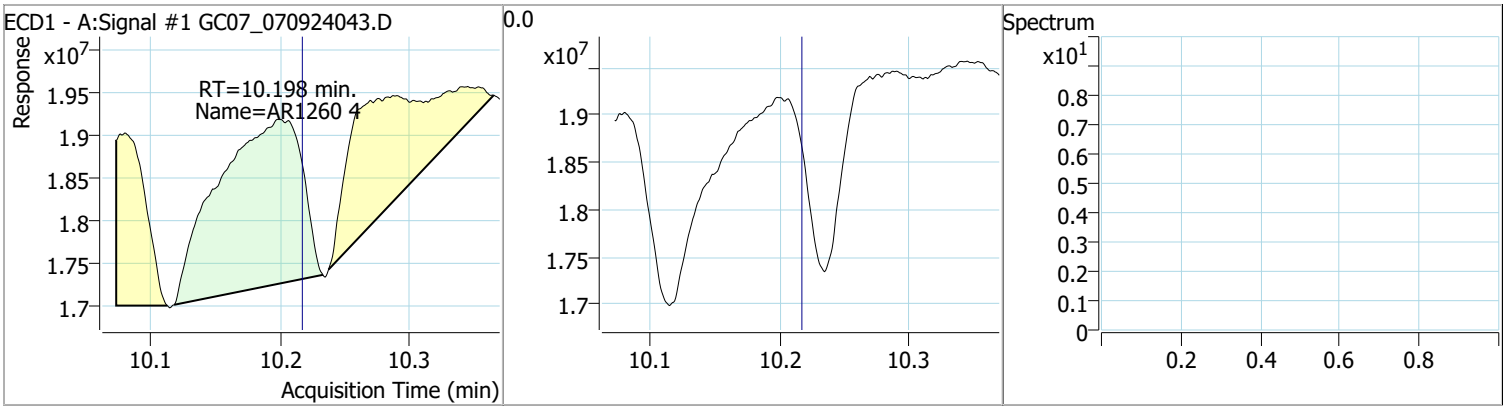
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	59.1373	9.74	-0.01	6171144				



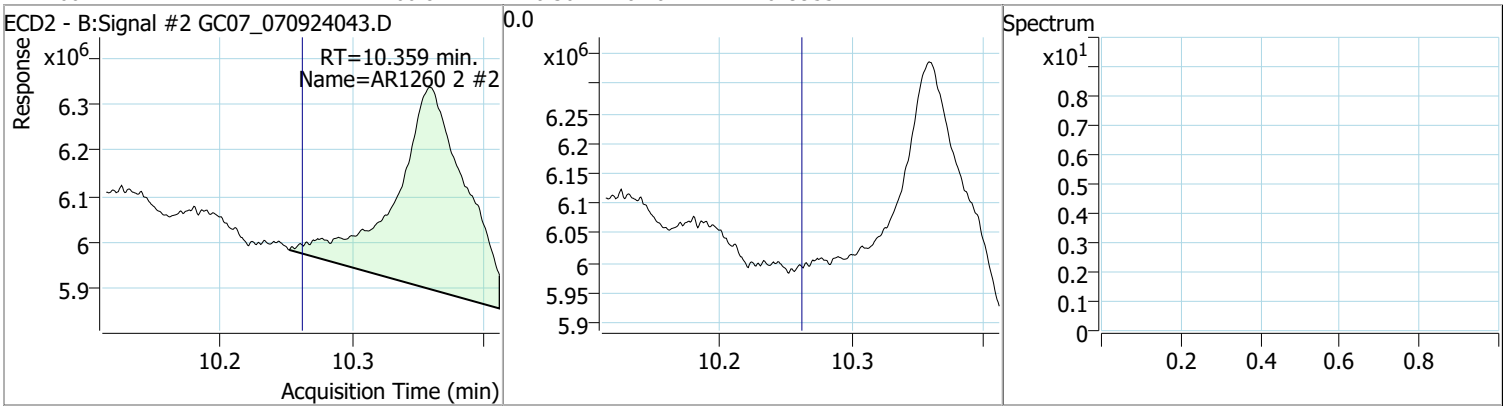
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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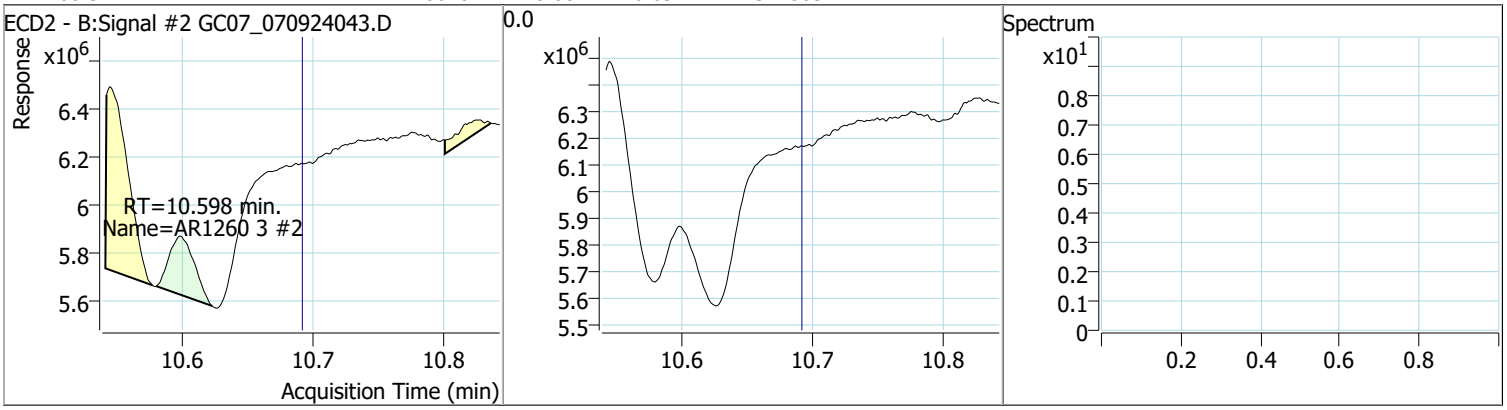
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	147.7325	10.20	-0.03	8912703				



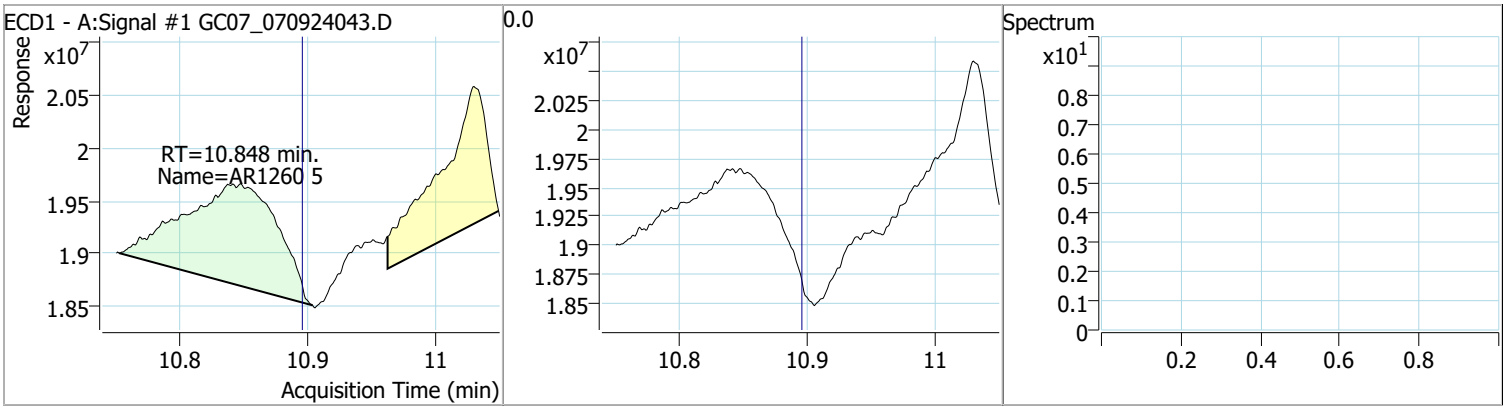
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	66.8741	10.36	0.10	1629955				



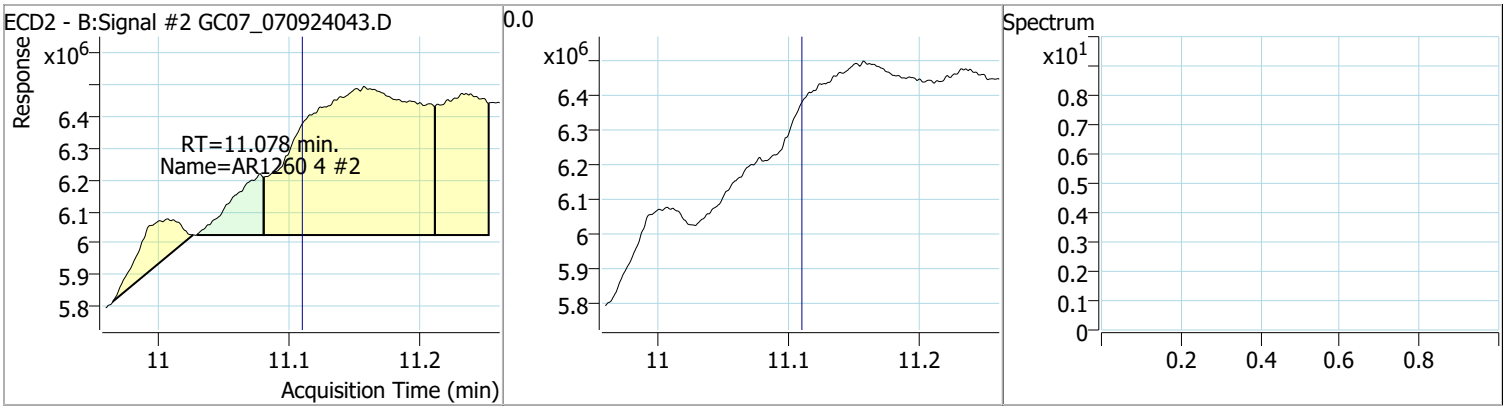
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.0048	10.60	-0.09	322863				



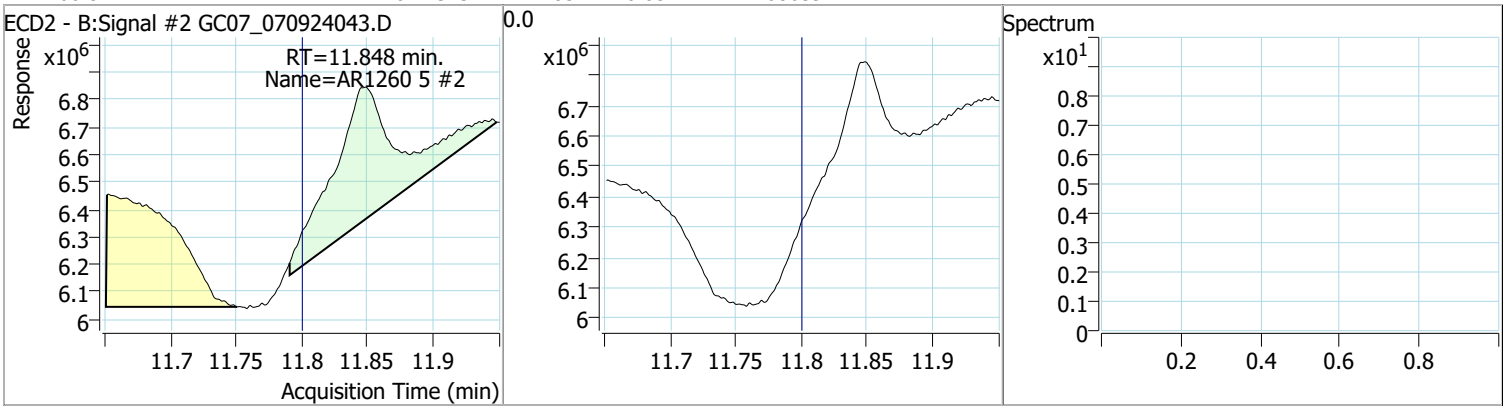
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	66.8827	10.85	-0.06	4831797				



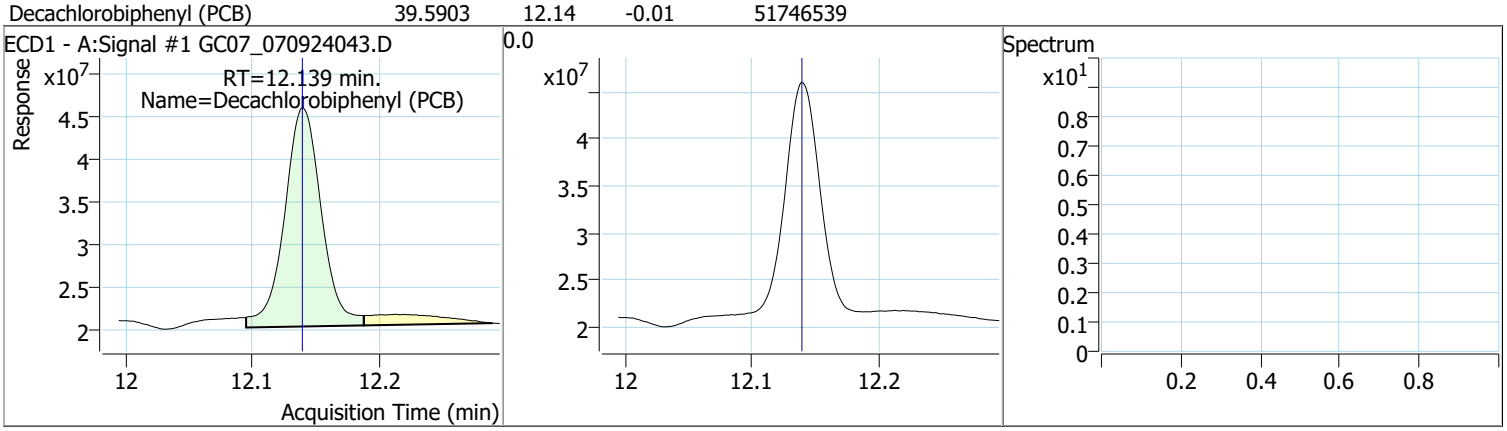
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	16.9026	11.08	-0.03	313566				



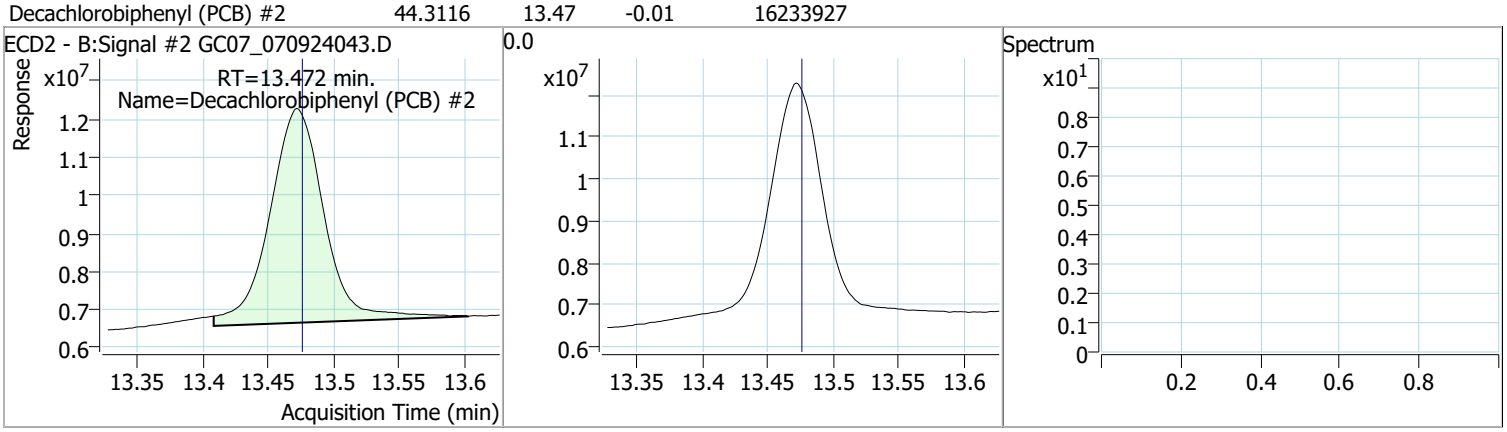
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	61.2323	11.85	0.05	1686394				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5903	12.14	-0.01	51746539				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.3116	13.47	-0.01	16233927				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 511602 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1167799		
Seqnum:	464275615034.2	Matrix:	Wipe		
File:	gc07_070924034	Batch:	344625	Time:	09-JUL-2024 19:24
Cal:	464259633001	Caldate:	28-JUN-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	33.94	ug/L	ND	ND	128%	0.50	u
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	20.40	ug/L	ND	0.79	118%	0.50	u
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	43.63	pg/uL	0.5000	0.4363	87	19-121	u
Decachlorobiphenyl (PCB)	B	43.51	pg/uL	0.5000	0.4351	87	19-121	u

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

ISTD (CCV gc07_070924029)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7137985	-1.04
1-bromo-2-nitrobenzene (PCB)	A	26536532	25290879	-4.69

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

ISTD (CCV gc07_070924029)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

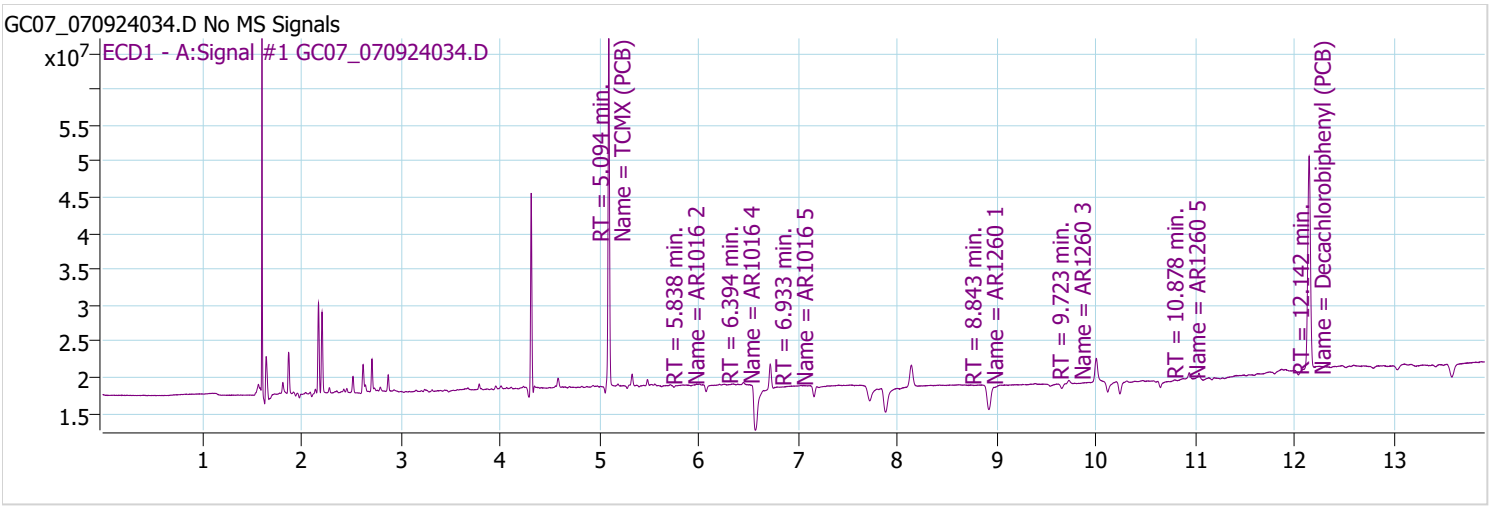
07/10/24 : WIPE/1S-10ML [general version]

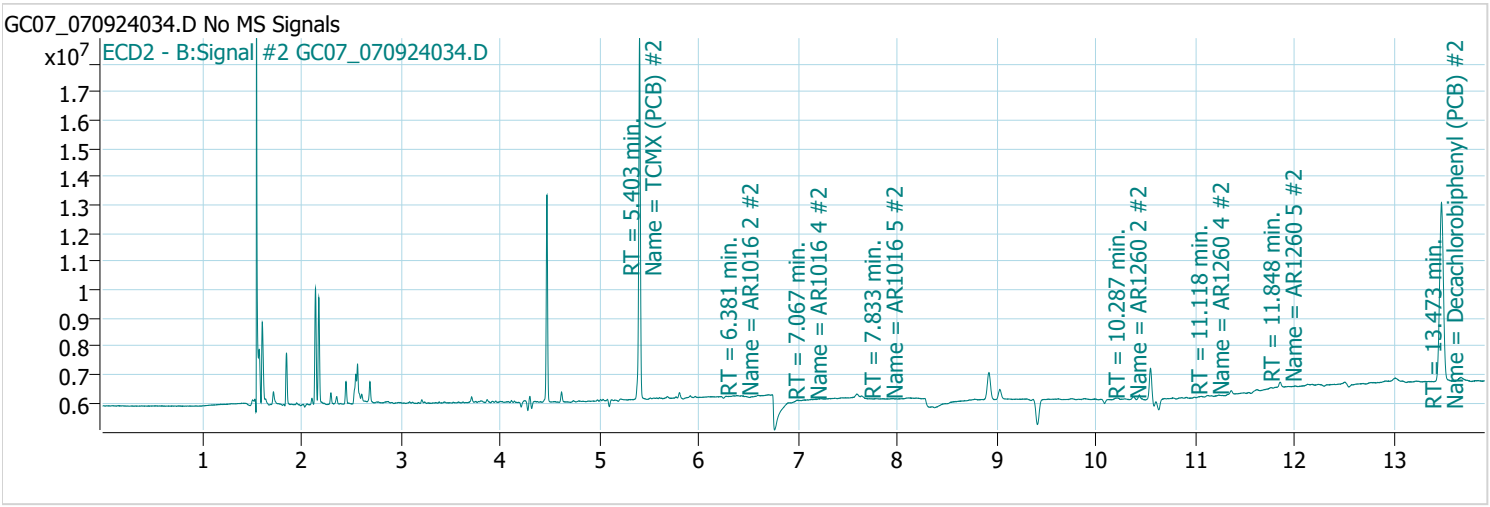
u=use

Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924034.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 7:24:06 PM
Sample Name	QC1167799, 344625, 1	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



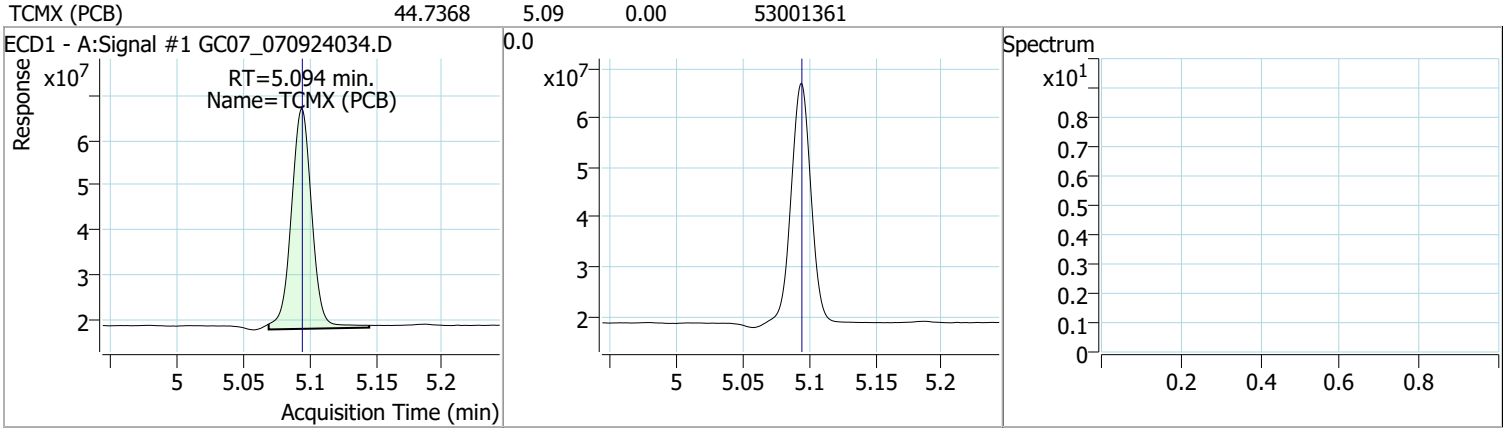


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	25290878.541	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.472	0.0	7137984.799	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	53001360.777	44.7368	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.68%		*	
S TCMX (PCB) #2	5.403	0.0	14937630.779	43.6297	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.15%		*	
S Decachlorobiphenyl (PCB)	12.142	0.0	58743223.416	42.1281	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.64%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	16966198.940	43.5088	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.54%		*	
Target Compounds							QValue

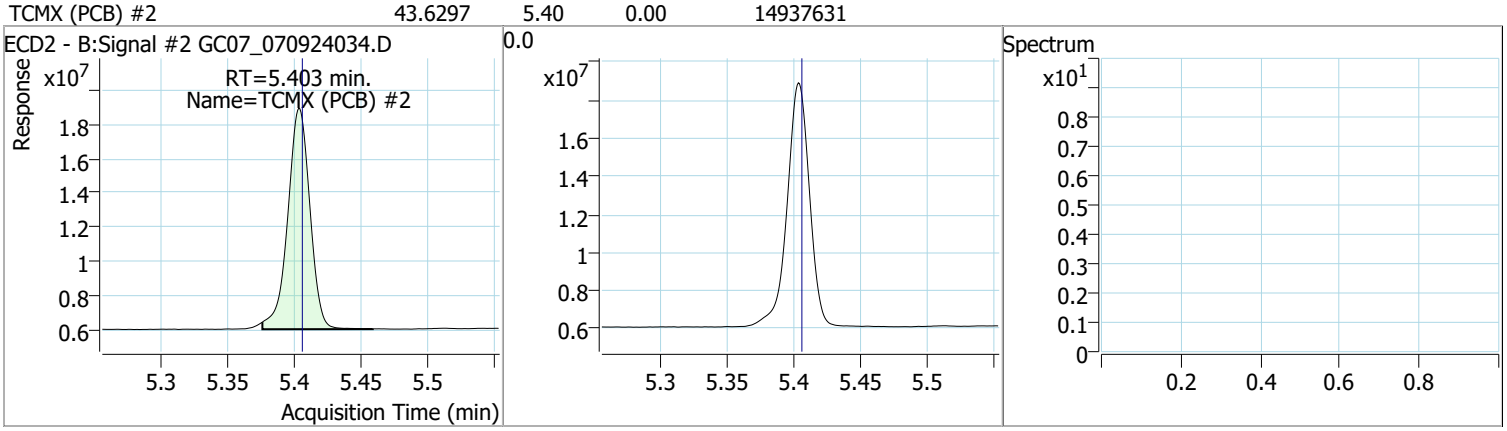
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.444	0.0	271630.020	12.2873	ng/ml	100
T AR1016 2	5.838	0.0	1417213.890	30.8596	ng/ml	100
T AR1016 1 #2	5.913	0.0	233926.518	31.0384	ng/ml	100
T AR1016 3	6.255	0.0	279460.802	0.0000	ng/ml	100
T AR1016 2 #2	6.381	0.0	595769.476	38.2608	ng/ml	100
T AR1016 4	6.394	0.0	157230.294	4.0915	ng/ml	100
T AR1016 5	6.933	0.0	239390.516	7.0871	ng/ml	100
T AR1016 3 #2	7.053	0.0	1782352.767	91.7768	ng/ml	100
T AR1016 4 #2	7.067	0.0	120603.065	8.4007	ng/ml	100
T AR1016 5 #2	7.833	0.0	2754.191	0.2372	ng/ml	100
T AR1260 1	8.843	0.0	15588546.748	230.1021	ng/ml	100
T AR1260 2	9.340	0.0	127212.356	1.2295	ng/ml	100
T AR1260 3	9.723	0.0	3800601.137	34.1393	ng/ml	100
T AR1260 1 #2	9.984	0.0	358468.301	17.3586	ng/ml	100
T AR1260 4	10.199	0.0	7707198.350	119.7485	ng/ml	100
T AR1260 2 #2	10.287	0.0	89375.496	3.4451	ng/ml	100
T AR1260 3 #2	10.764	0.0	1976839.444	63.3046	ng/ml	100
T AR1260 5	10.878	0.0	669688.797	8.6893	ng/ml	100
T AR1260 4 #2	11.118	0.0	50935.733	2.5796	ng/ml	100
T AR1260 5 #2	11.848	0.0	448536.492	15.3009	ng/ml	100

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

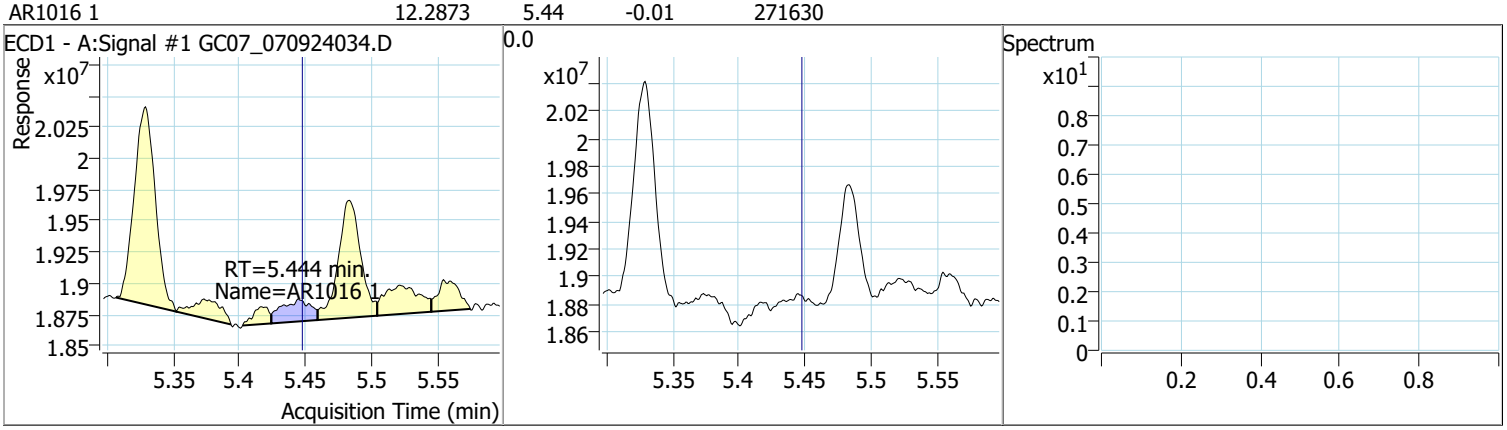
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.7368	5.09	0.00	53001361				



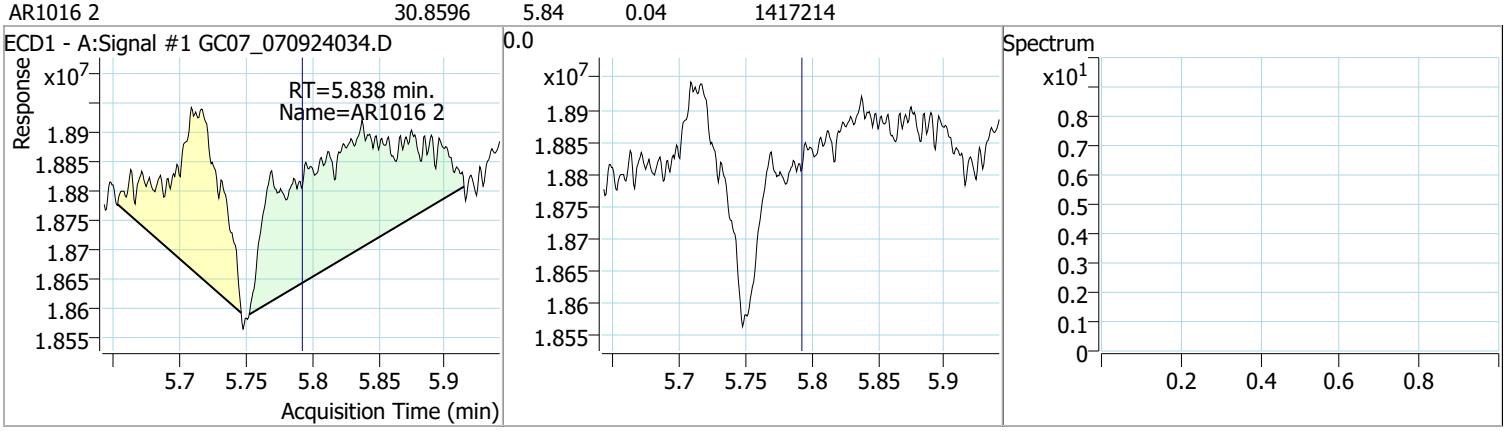
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.6297	5.40	0.00	14937631				



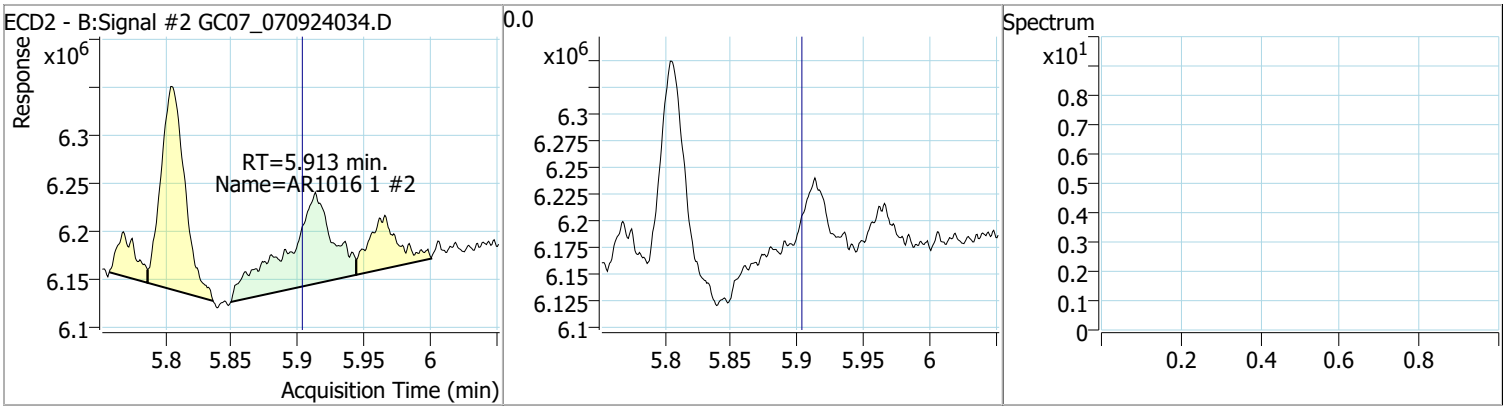
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	12.2873	5.44	-0.01	271630				



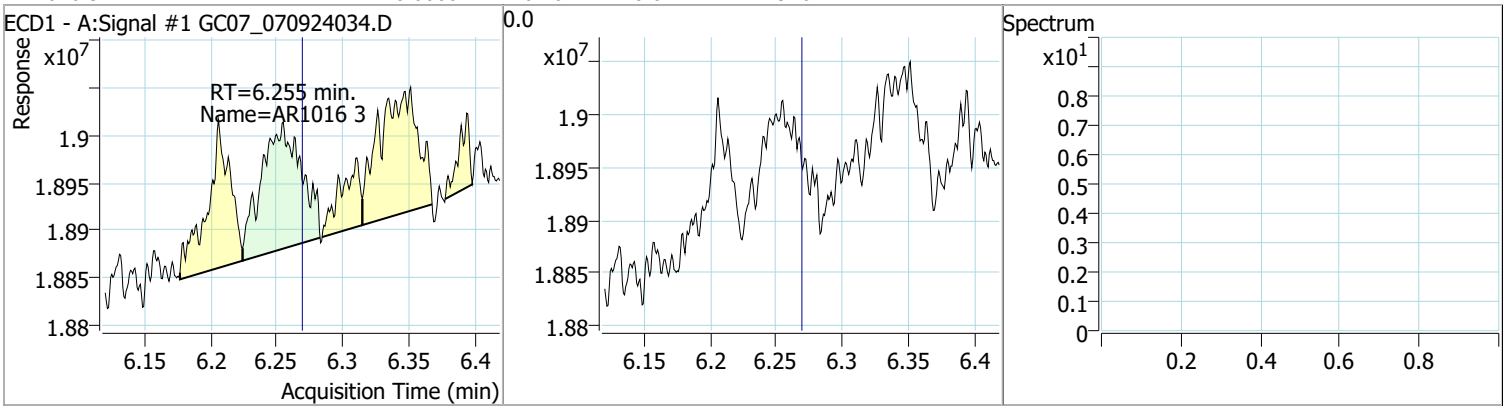
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	30.8596	5.84	0.04	1417214				



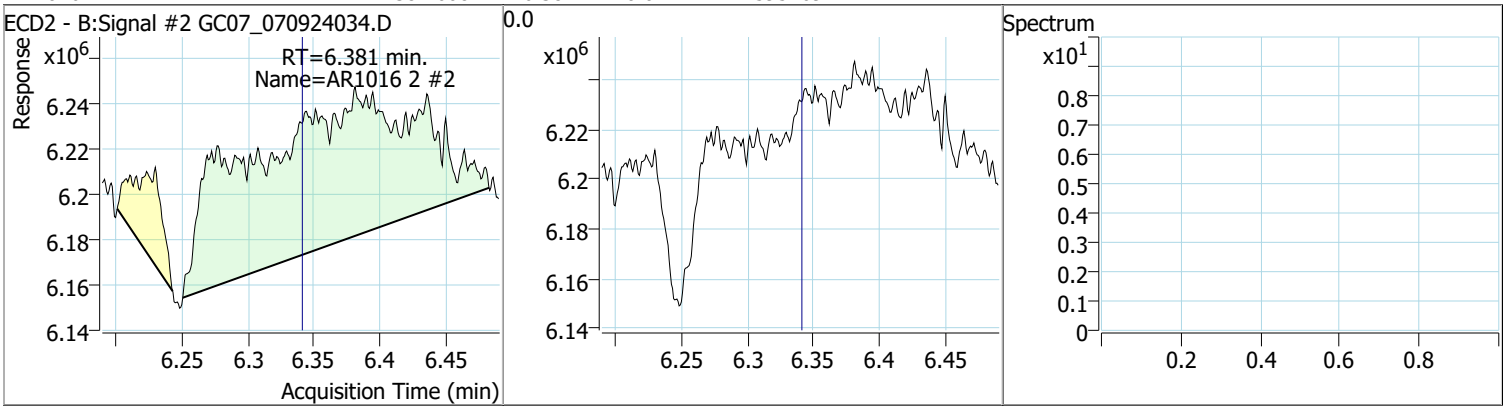
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	31.0384	5.91	0.01	233927				



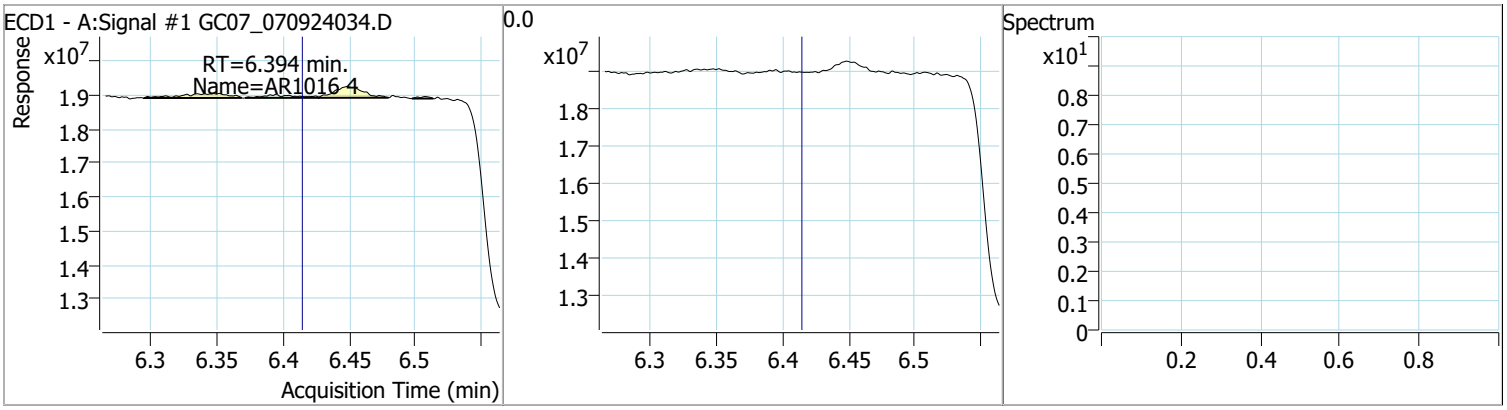
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.26	-0.02	279461				



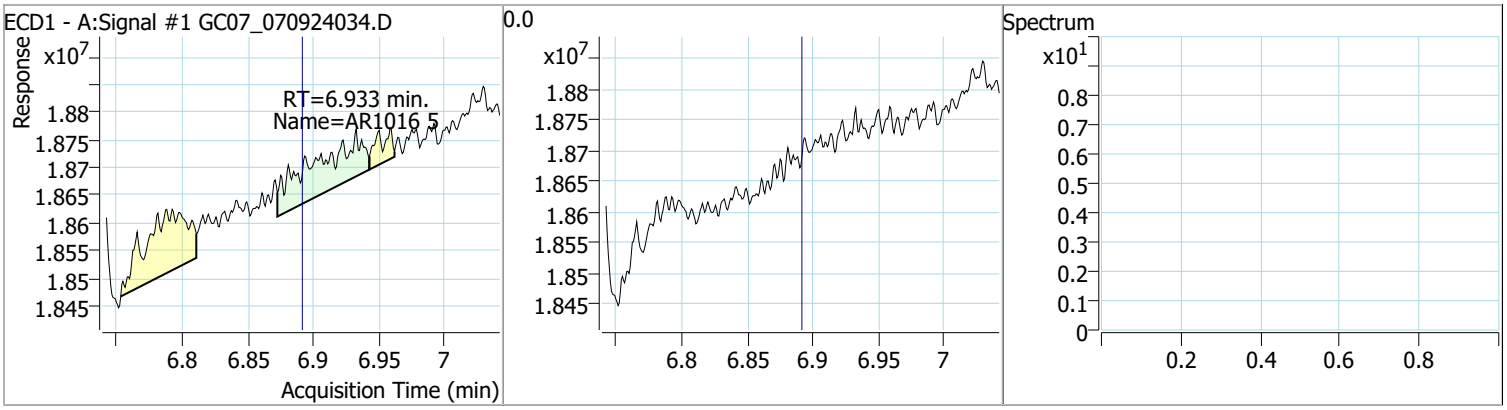
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	38.2608	6.38	0.04	595769				



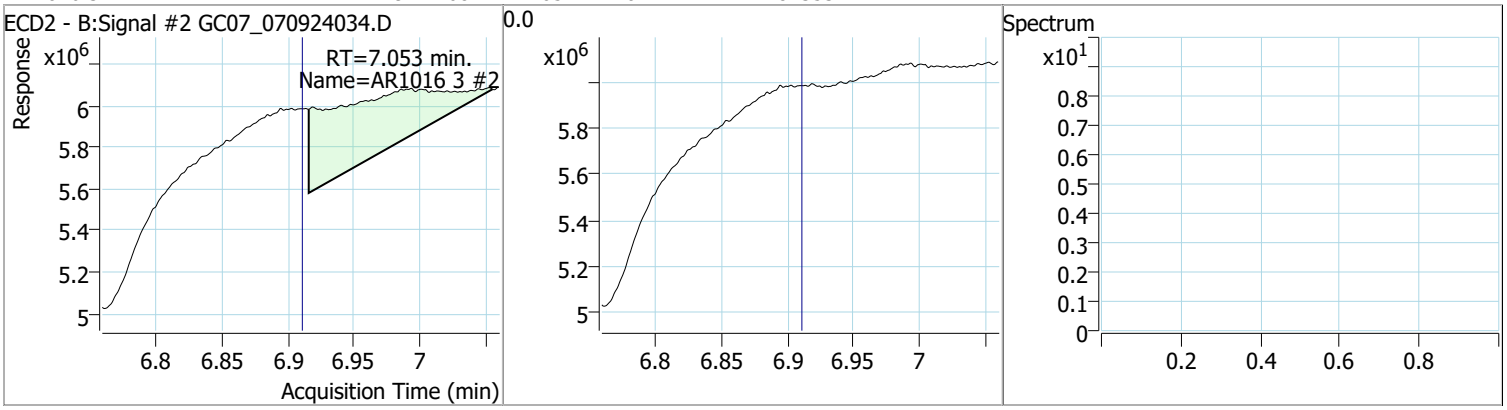
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.0915	6.39	-0.02	157230				



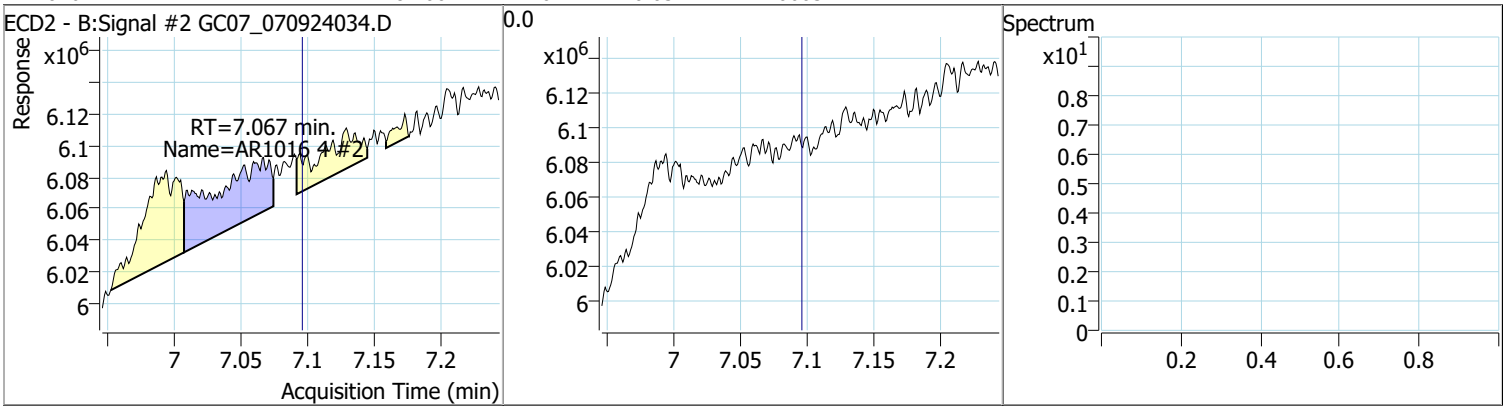
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.0871	6.93	0.04	239391				



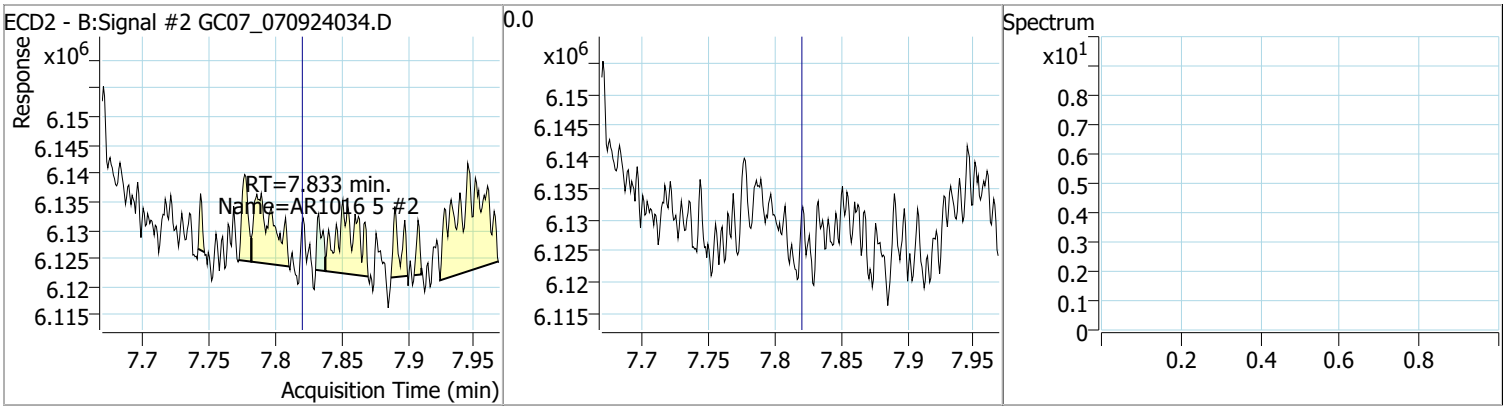
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	91.7768	7.05	0.14	1782353				



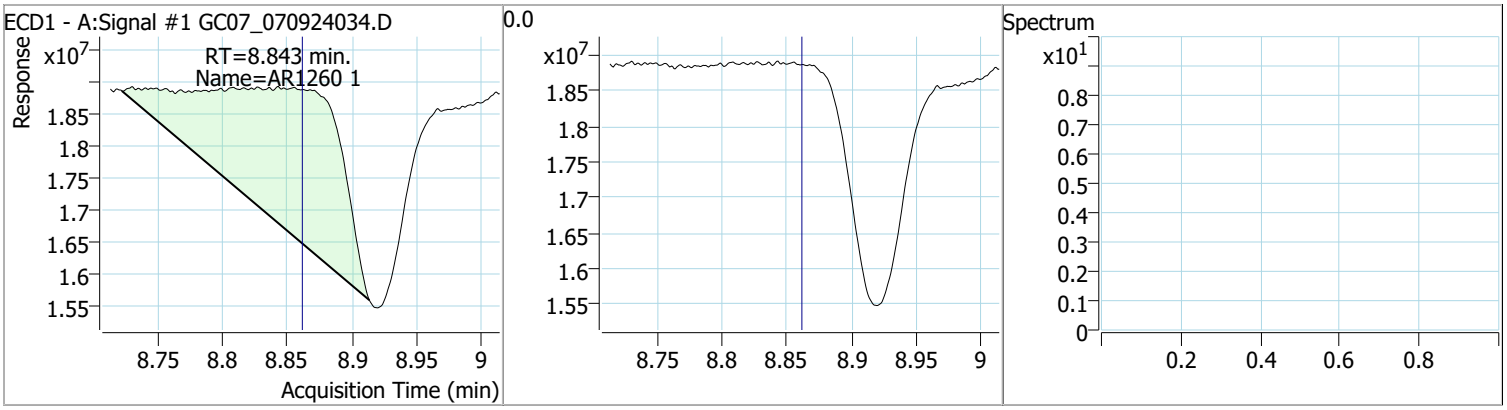
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.4007	7.07	-0.03	120603				



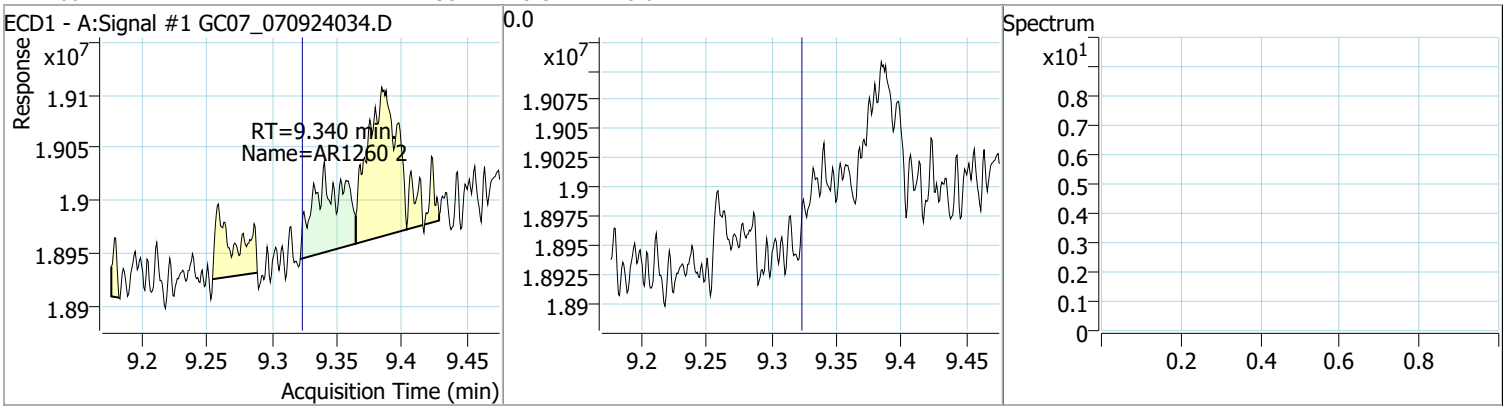
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AR1016 5 #2	0.2372	7.83	0.01	2754				



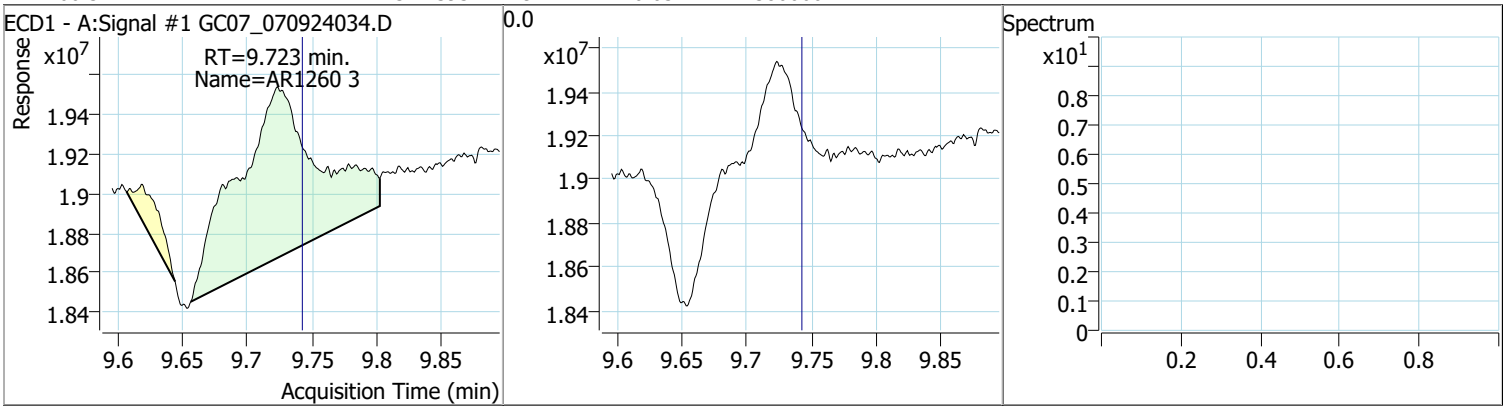
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	230.1021	8.84	-0.02	15588547				



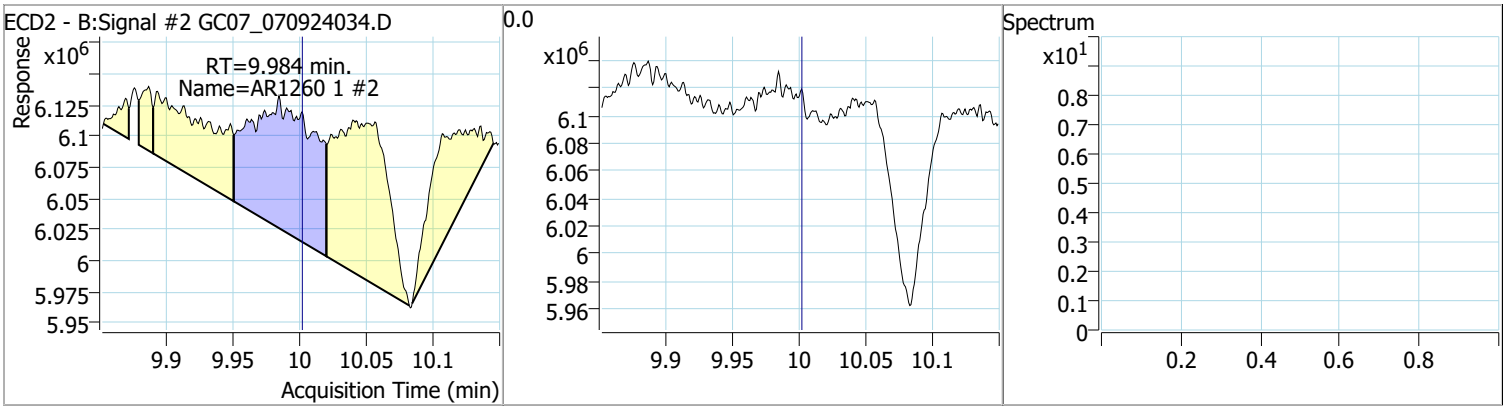
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2295	9.34	0.01	127212				



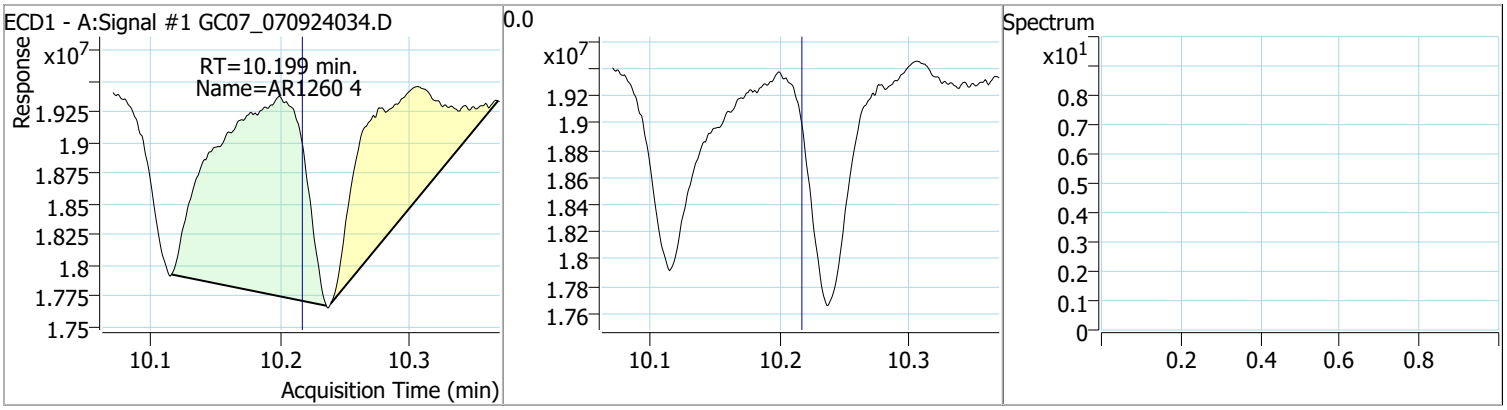
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	34.1393	9.72	-0.03	3800601				



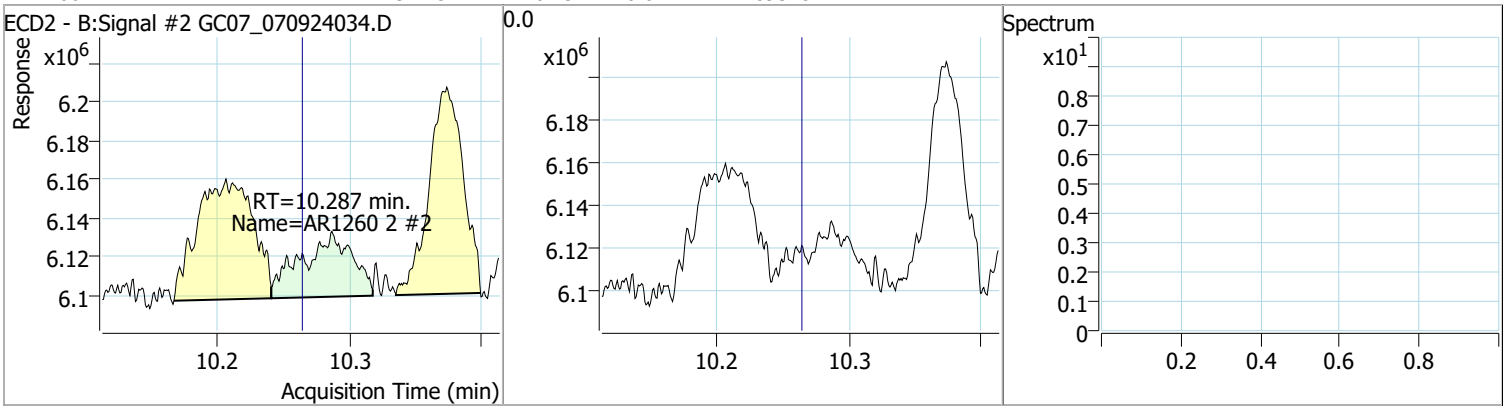
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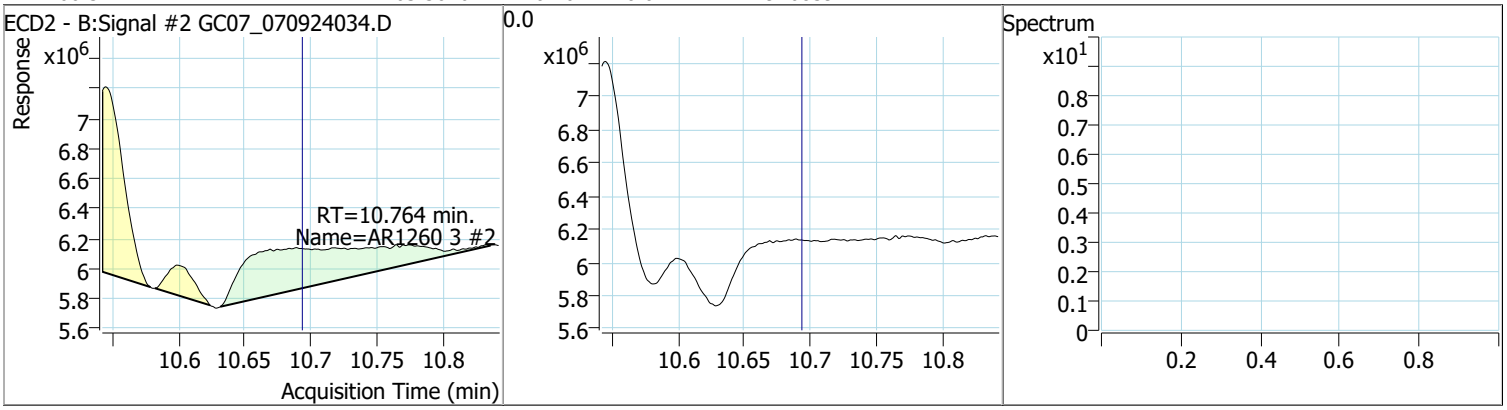
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AR1260 4	119.7485	10.20	-0.03	7707198				



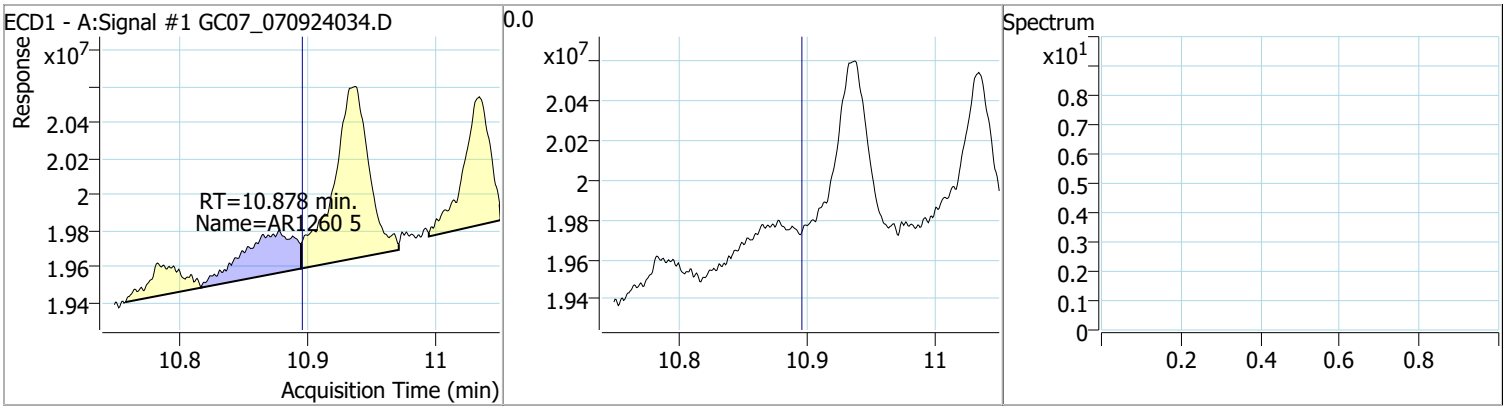
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.4451	10.29	0.02	89375				



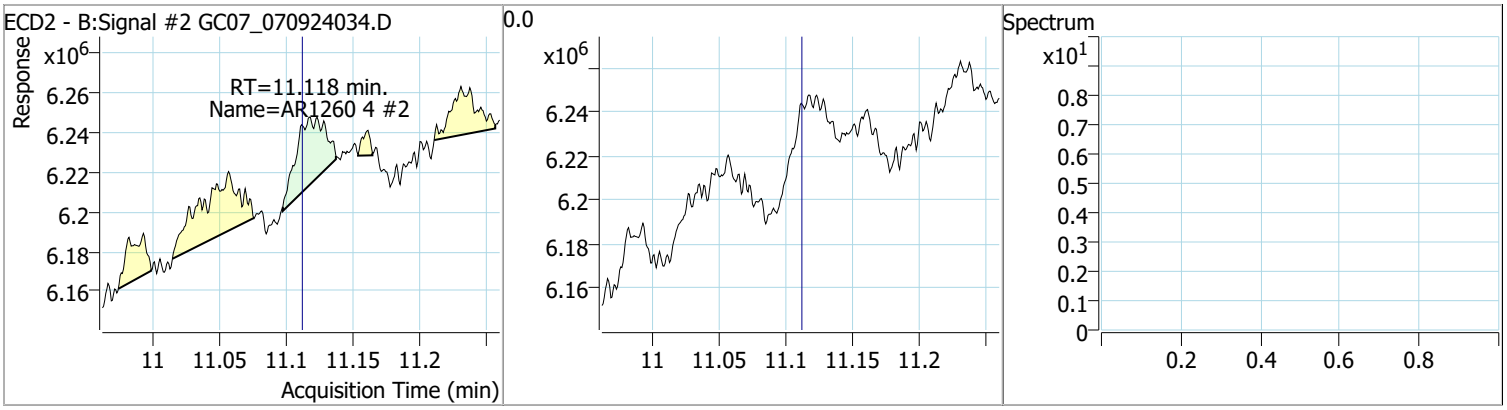
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	63.3046	10.76	0.07	1976839				



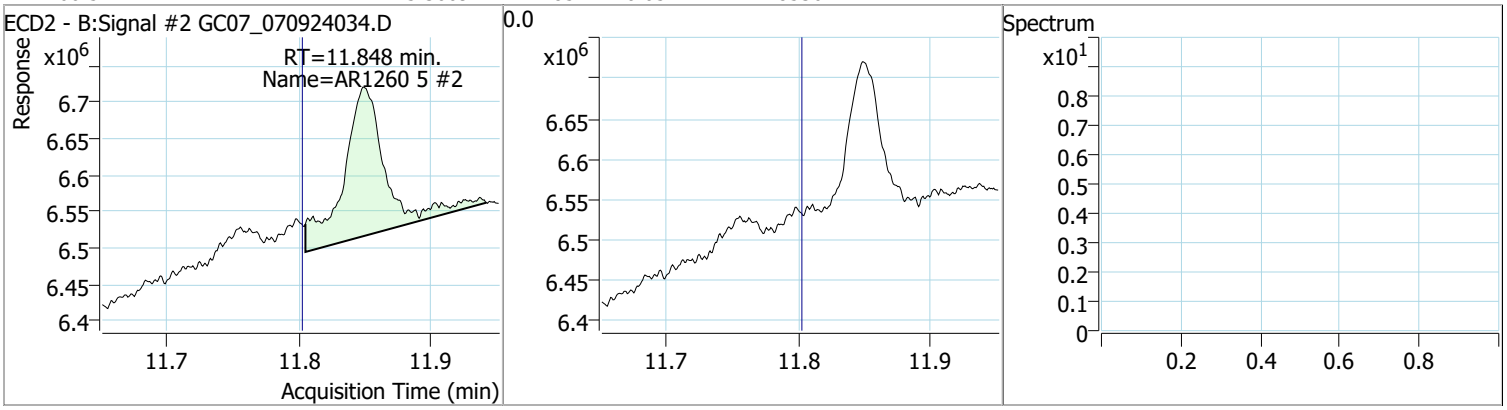
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	8.6893	10.88	-0.03	669689				



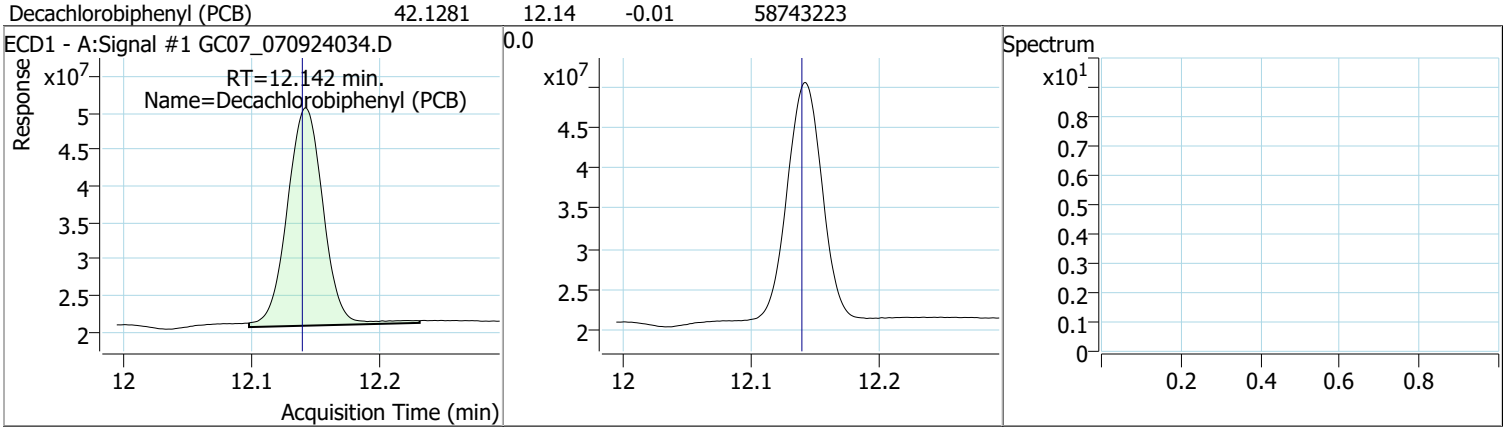
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.5796	11.12	0.01	50936				



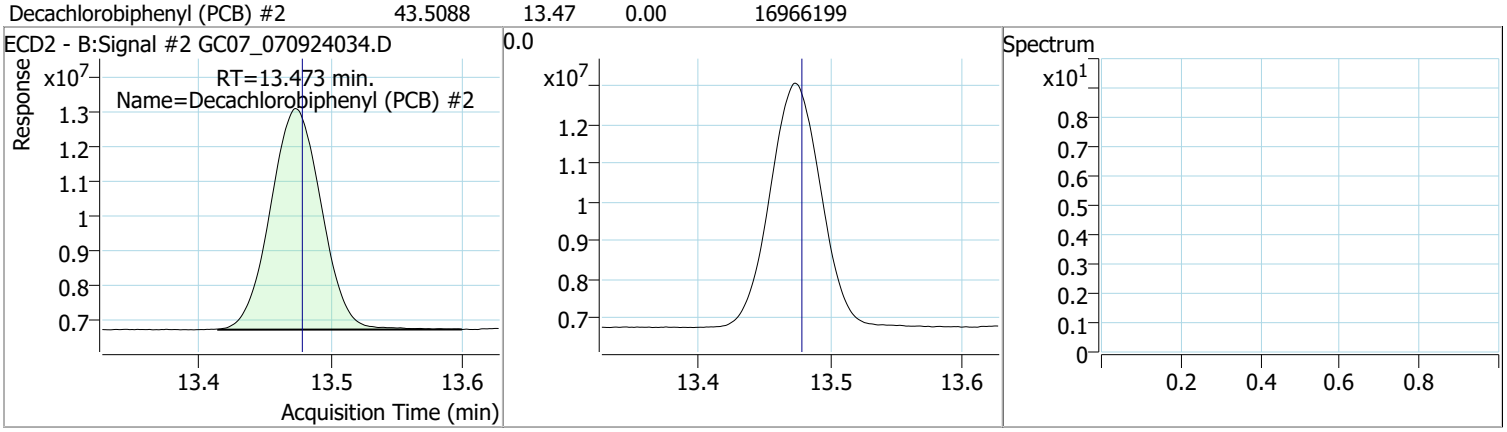
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.3009	11.85	0.05	448536				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.1281	12.14	-0.01	58743223				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	43.5088	13.47	0.00	16966199				



ENTHALPY SPIKE USER REPORT FOR 511602 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	464275615035.1	Seqnum:	464275615036.1
File:	gc07_070924035	File:	gc07_070924036
IDF:	1.0	IDF:	1.0
Lab ID:	QC1167800	Lab ID:	QC1167801
Matrix:	Wipe	Matrix:	Wipe
Batch:	344625	Batch:	344625
Time:	09-JUL-2024 19:41	Time:	09-JUL-2024 19:59
Cal:	464259633001	Cal:	464259633001
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	458.1	4.581	B	92	440.0	4.400	B	88	60-140	4	20	u
Aroclor-1016 Peak # 1		464.4	4.644	B		440.6	4.406	B					
Aroclor-1016 Peak # 2		485.1	4.851	B		468.8	4.688	B					
Aroclor-1016 Peak # 3		419.5	4.195	B		403.8	4.038	B					
Aroclor-1016 Peak # 4		451.8	4.518	B		432.2	4.322	B					
Aroclor-1016 Peak # 5		469.5	4.695	B		454.6	4.546	B					
Aroclor-1260	5.000	462.5	4.625	B	93	436.7	4.367	B	87	60-140	6	20	u
Aroclor-1260 Peak # 1		497.0	4.970	B		468.6	4.686	B					
Aroclor-1260 Peak # 2		466.5	4.665	B		424.7	4.247	B					
Aroclor-1260 Peak # 3		524.6	5.246	B		495.3	4.953	B					
Aroclor-1260 Peak # 4		421.7	4.217	B		411.8	4.118	B					
Aroclor-1260 Peak # 5		402.9	4.029	B		383.1	3.831	B					
Surrogates													
TCMX (PCB)	0.5000	43.58	0.4358	B	87	41.76	0.4176	B	84	19-121			u
Decachlorobiphenyl (PCB)	0.5000	44.36	0.4436	B	89	41.75	0.4175	B	83	19-121			u

ISTD (CCV gc07_070924029)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	6121454	-15.13
1-bromo-2-nitrobenzene (PCB)	A	26536532	22455733	-15.38

ISTD (CCV gc07_070924029)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

ISTD (CCV gc07_070924029)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7624155	5.70
1-bromo-2-nitrobenzene (PCB)	A	26536532	27264416	2.74

ISTD (CCV gc07_070924029)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML [general version]

MES 07/10/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

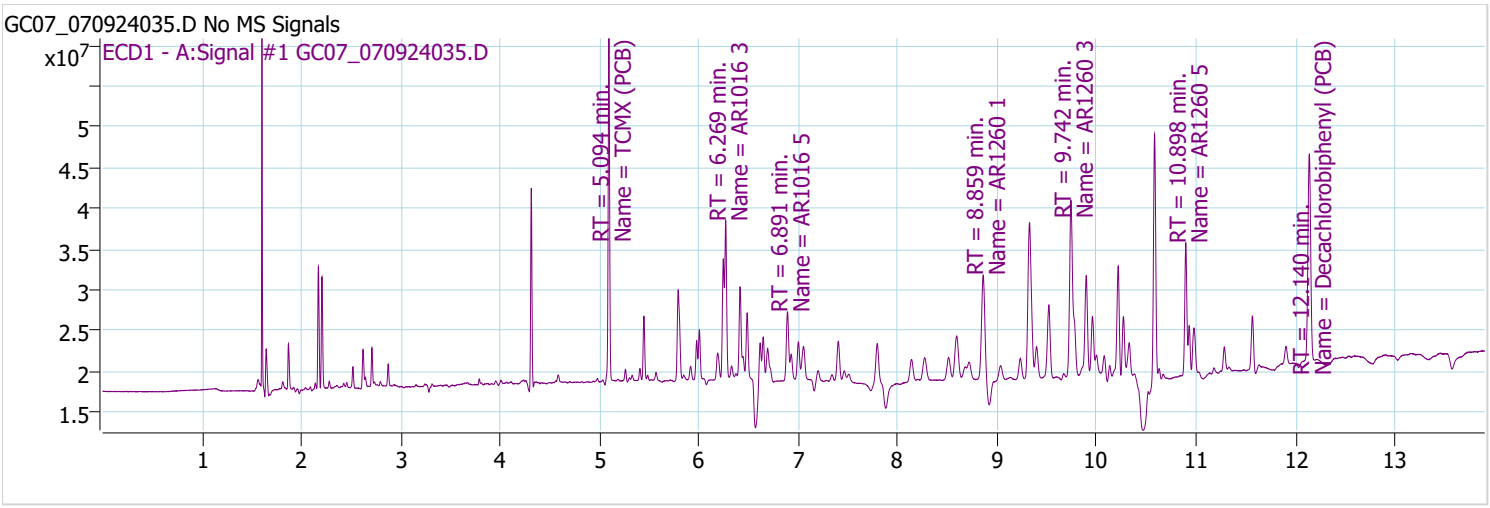
MES 07/10/24 [Aroclor-1260 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

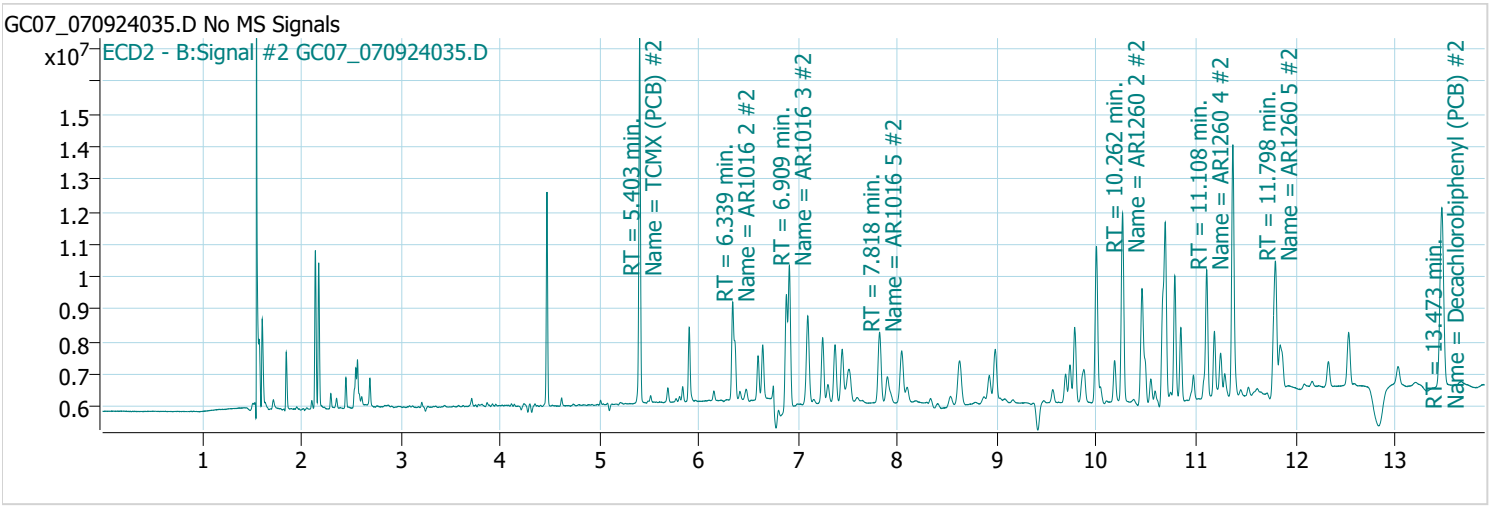
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Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924035.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 7:41:36 PM
Sample Name	QC1167800, 344625, 1	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



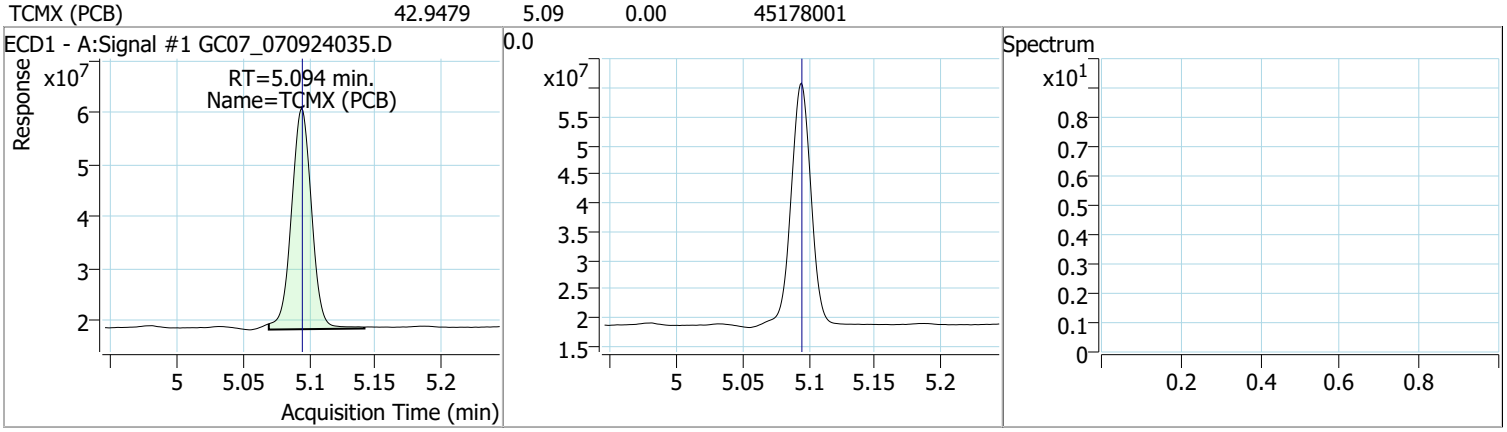


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	22455733.014	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	6121453.763	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	45178001.198	42.9479	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.74%		*	
S TCMX (PCB) #2	5.403	0.0	12794395.945	43.5753	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.88%		*	
S Decachlorobiphenyl (PCB)	12.140	0.0	53461765.068	43.1811	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.91%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	14834372.970	44.3591	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.80%		*	
Target Compounds							QValue

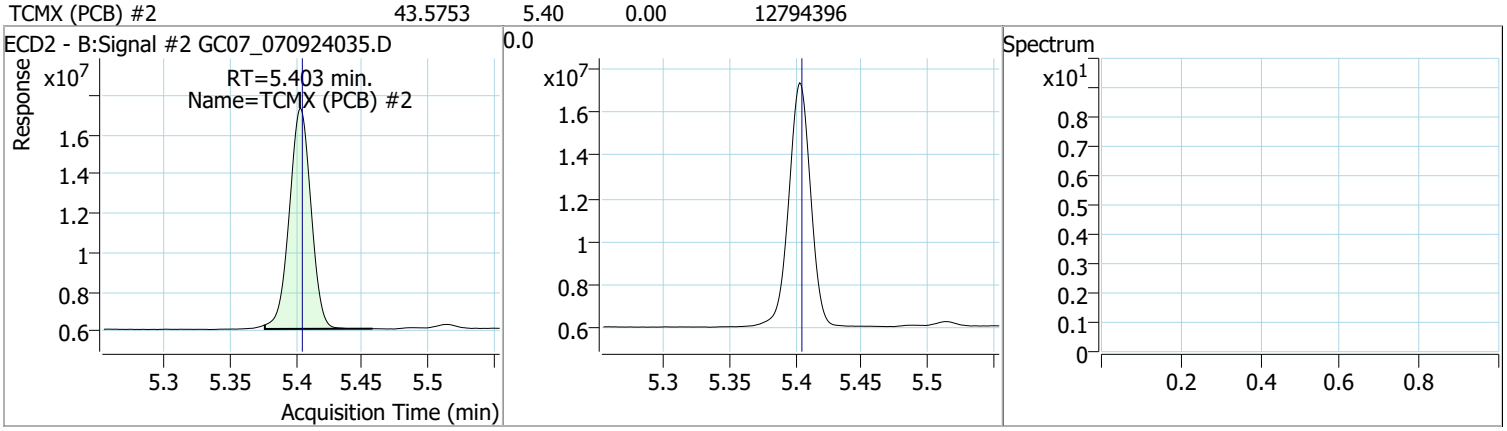
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.447	0.0	8778291.464	447.2229	ng/ml		100
T AR1016 2	5.791	0.0	19348912.587	474.5123	ng/ml		100
T AR1016 1 #2	5.902	0.0	3001623.457	464.4060	ng/ml		100
T AR1016 3	6.269	0.0	25262871.764	522.1811	ng/ml		100
T AR1016 2 #2	6.339	0.0	6477843.915	485.0960	ng/ml		100
T AR1016 4	6.413	0.0	15102574.192	442.6279	ng/ml	m	100
T AR1016 5	6.891	0.0	14059436.461	468.7746	ng/ml		100
T AR1016 3 #2	6.909	0.0	6986828.825	419.5083	ng/ml	m	100
T AR1016 4 #2	7.094	0.0	5562072.546	451.7678	ng/ml		100
T AR1016 5 #2	7.818	0.0	4675511.846	469.5428	ng/ml		100
T AR1260 1	8.859	0.0	29021049.567	482.4639	ng/ml	m	100
T AR1260 2	9.325	0.0	46887742.266	510.3757	ng/ml		100
T AR1260 3	9.742	0.0	53279128.908	539.0094	ng/ml		100
T AR1260 1 #2	9.998	0.0	8802333.759	497.0294	ng/ml	m	100
T AR1260 4	10.218	0.0	21361551.800	373.8032	ng/ml	m	100
T AR1260 2 #2	10.262	0.0	10378188.913	466.4704	ng/ml		100
T AR1260 3 #2	10.691	0.0	14048144.721	524.5707	ng/ml		100
T AR1260 5	10.898	0.0	24804268.145	362.4724	ng/ml		100
T AR1260 4 #2	11.108	0.0	7140198.215	421.6527	ng/ml	m	100
T AR1260 5 #2	11.798	0.0	10129981.228	402.9492	ng/ml	m	100

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

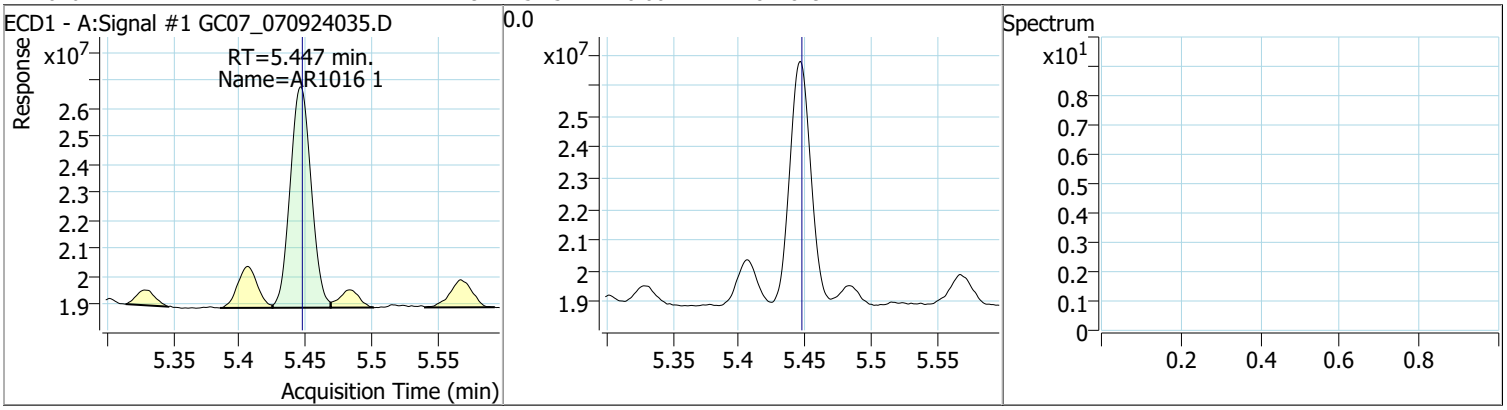
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.9479	5.09	0.00	45178001				



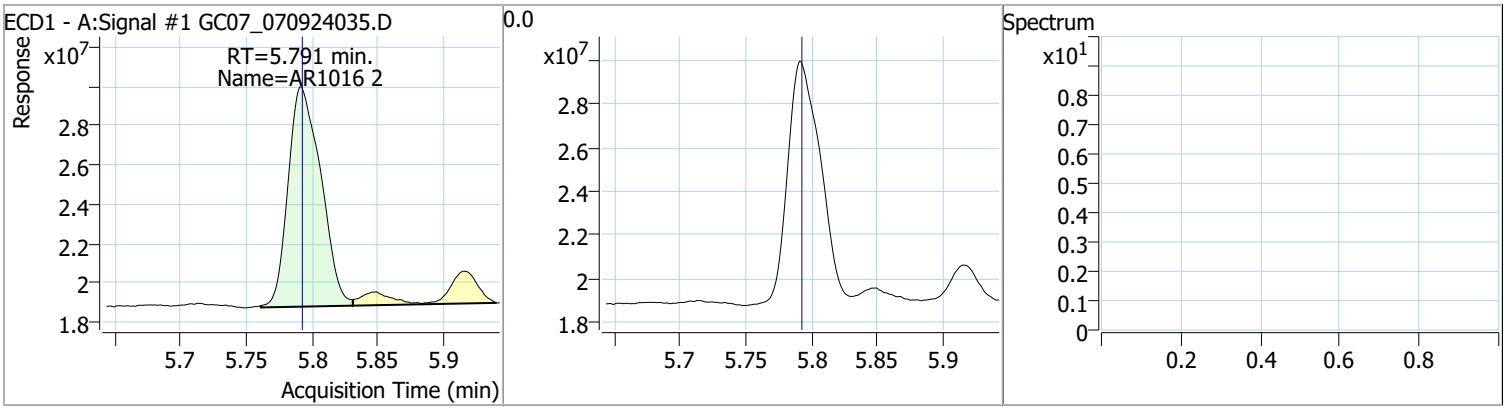
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.5753	5.40	0.00	12794396				



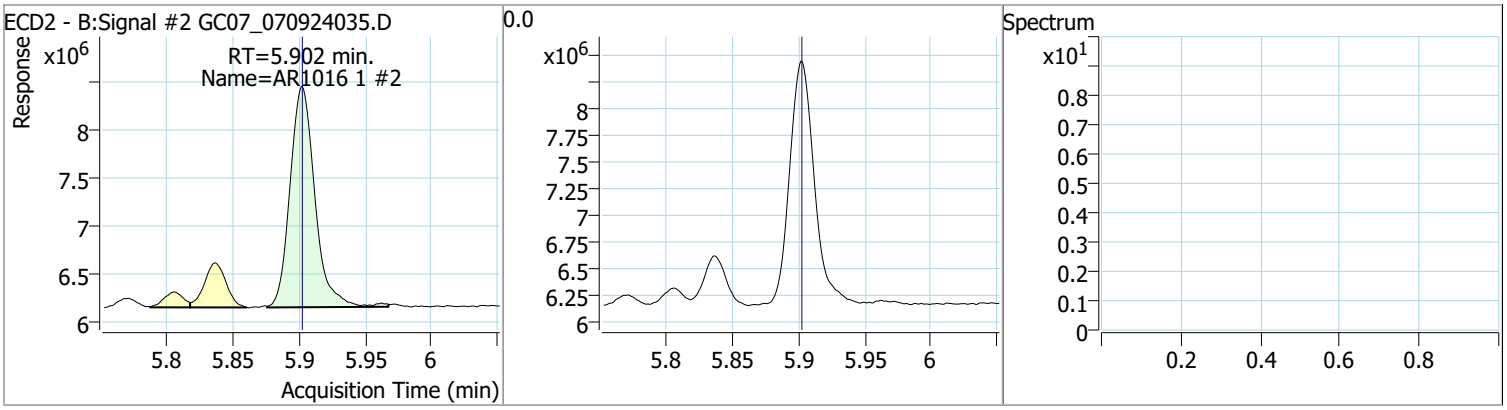
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	447.2229	5.45	0.00	8778291				



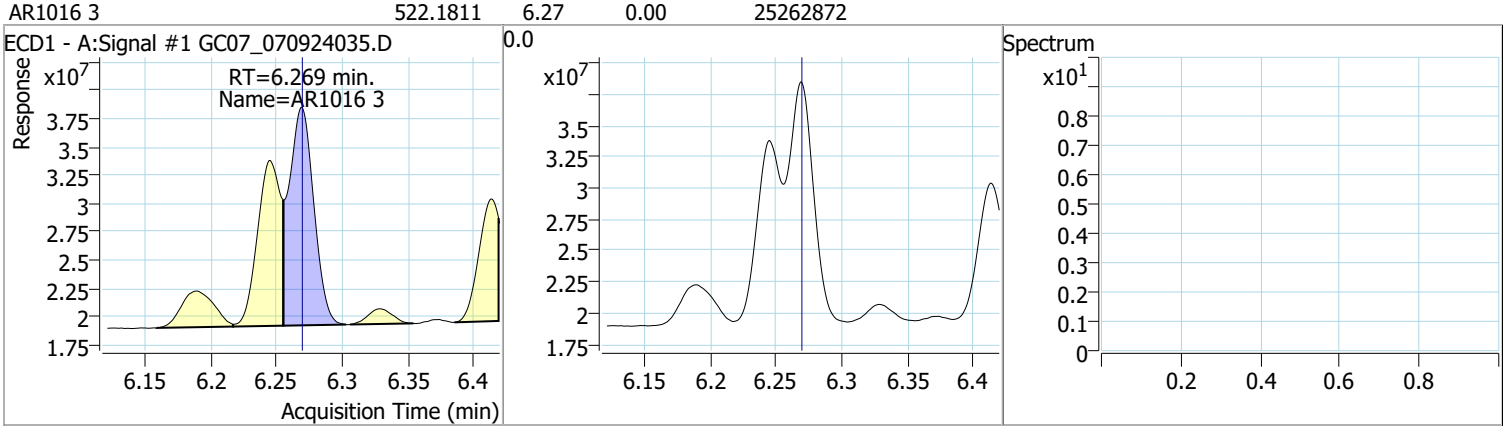
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.5123	5.79	-0.01	19348913				



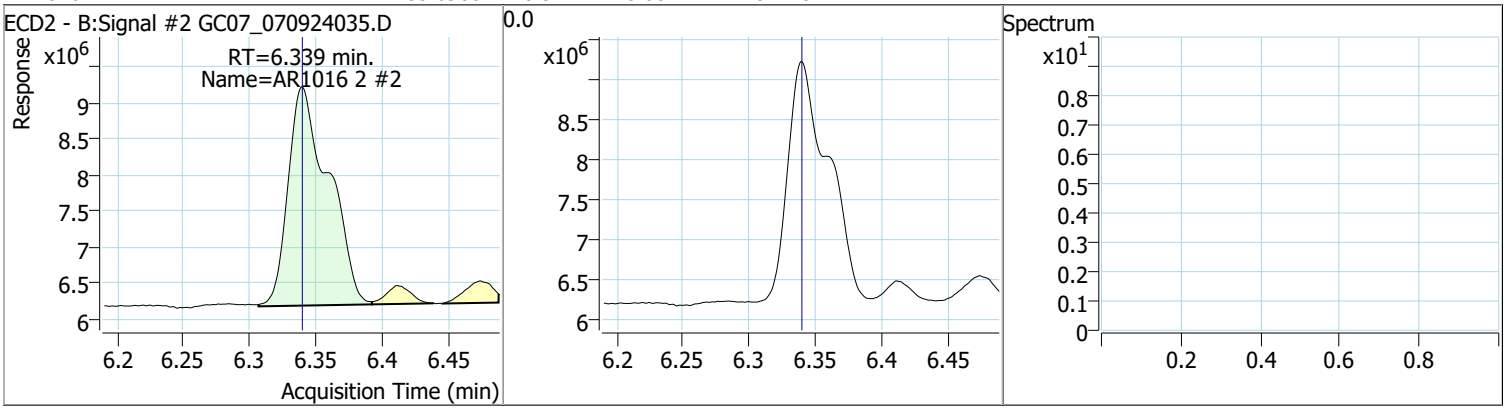
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	464.4060	5.90	0.00	3001623				



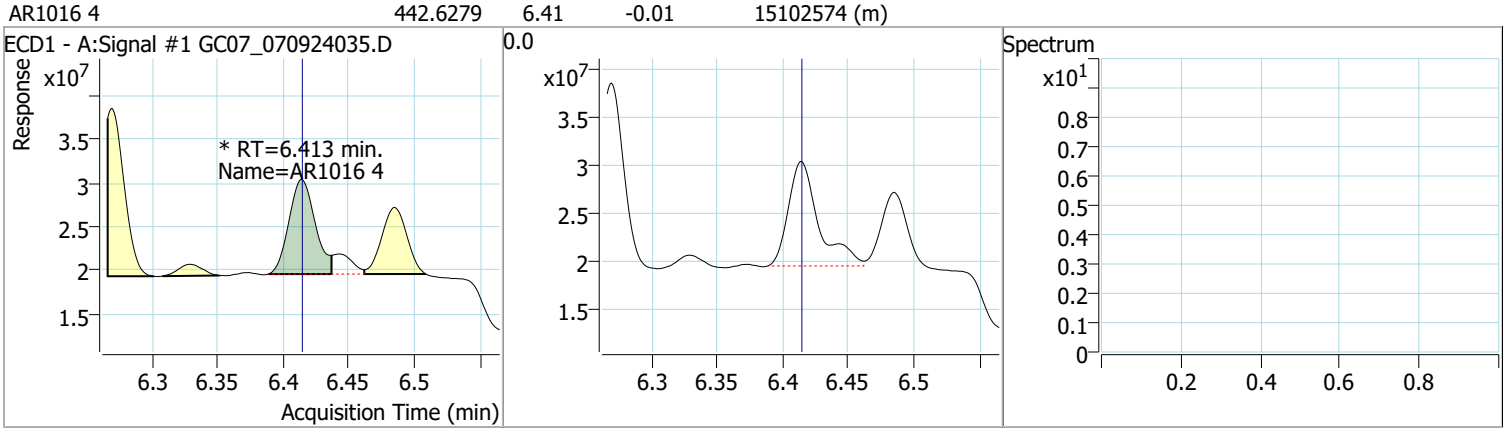
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	522.1811	6.27	0.00	25262872				



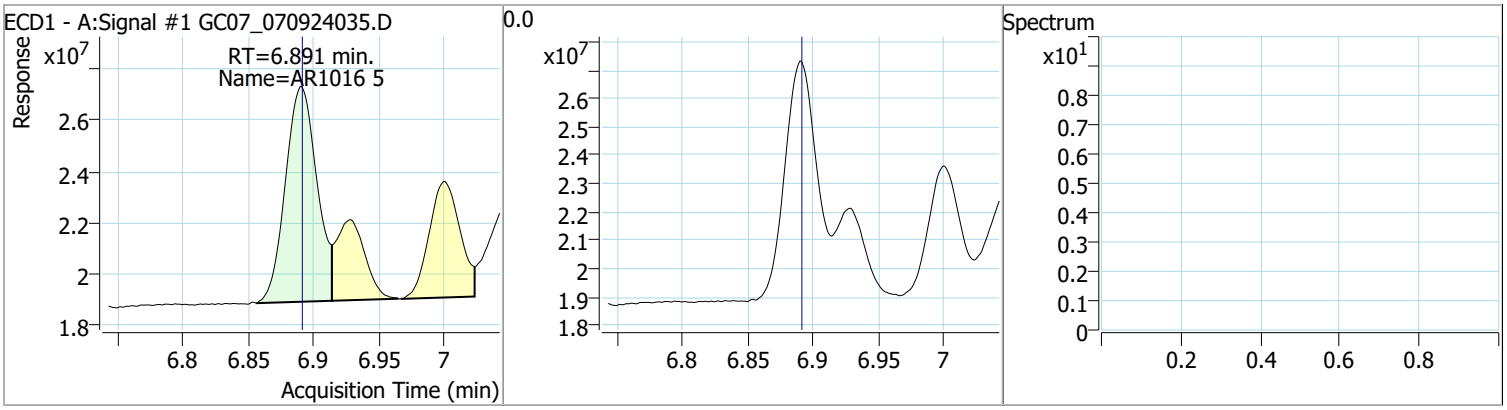
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.0960	6.34	0.00	6477844				



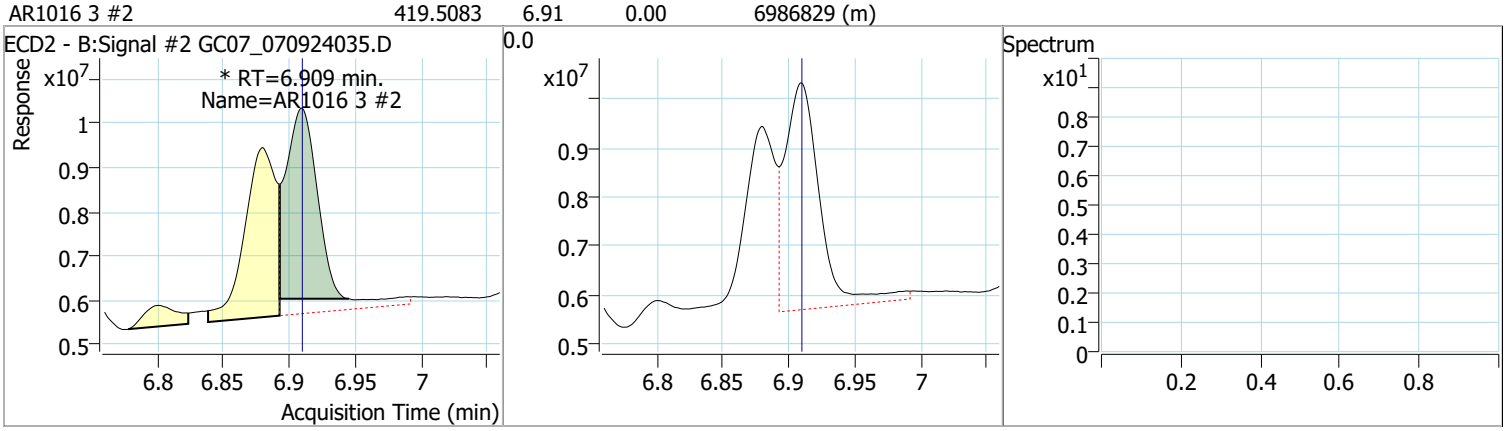
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	442.6279	6.41	-0.01	15102574 (m)				



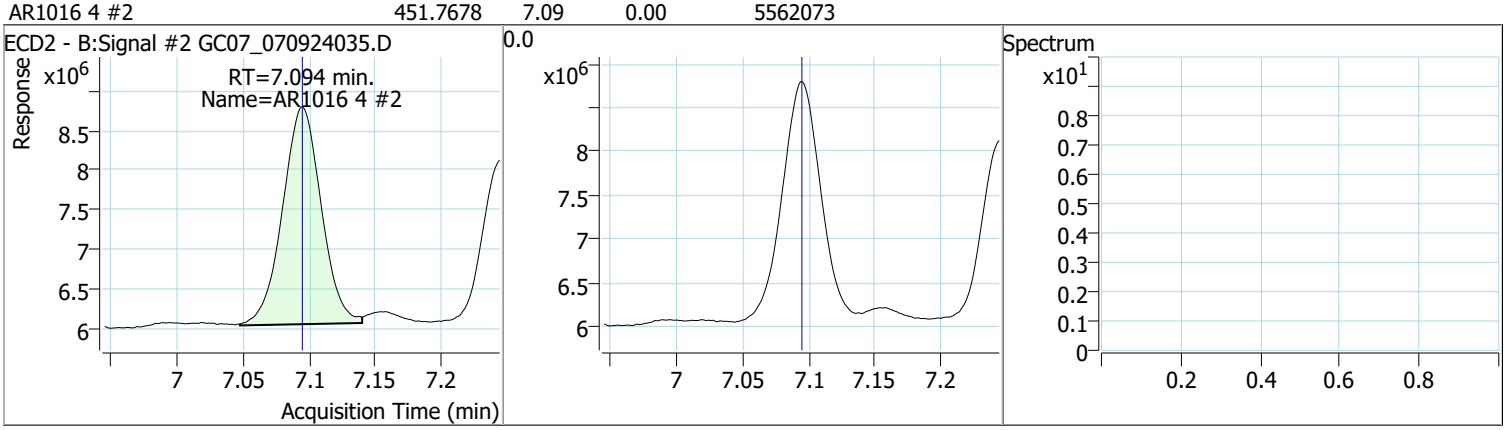
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	468.7746	6.89	-0.01	14059436				



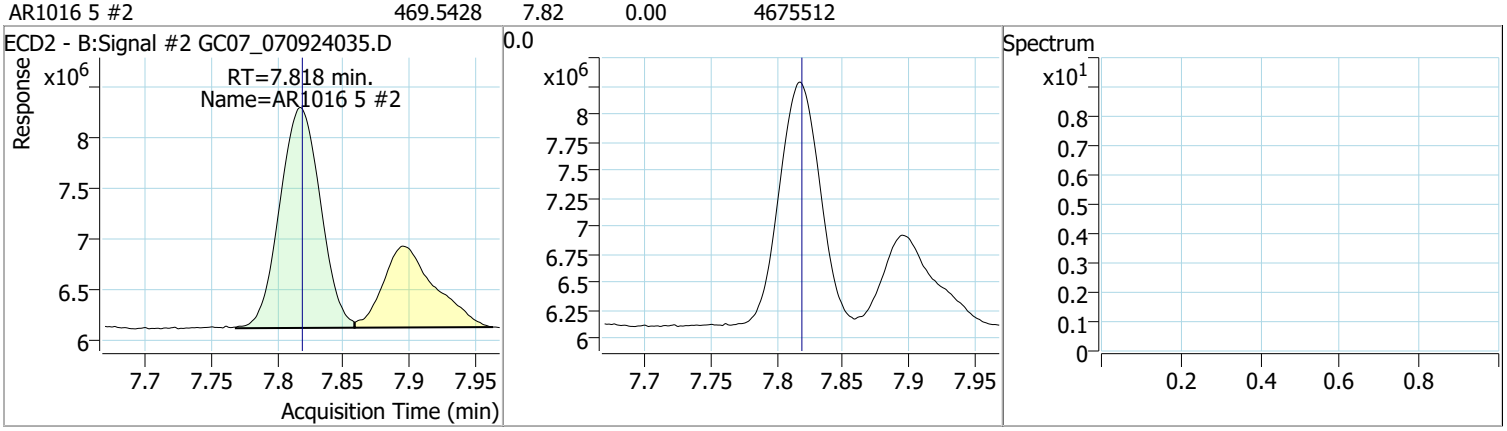
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	419.5083	6.91	0.00	6986829 (m)				



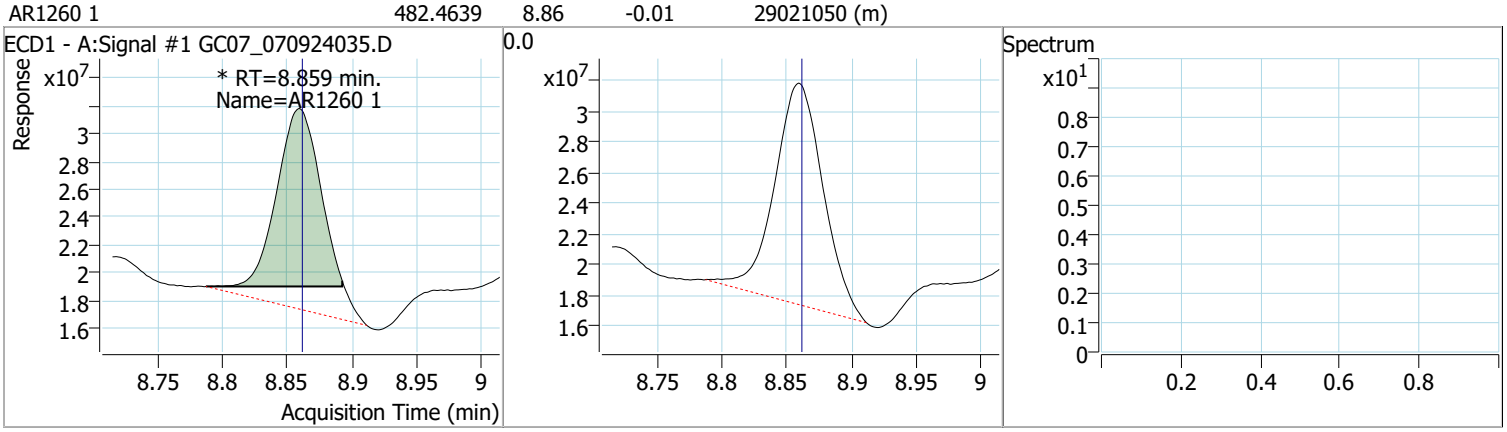
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	451.7678	7.09	0.00	5562073				



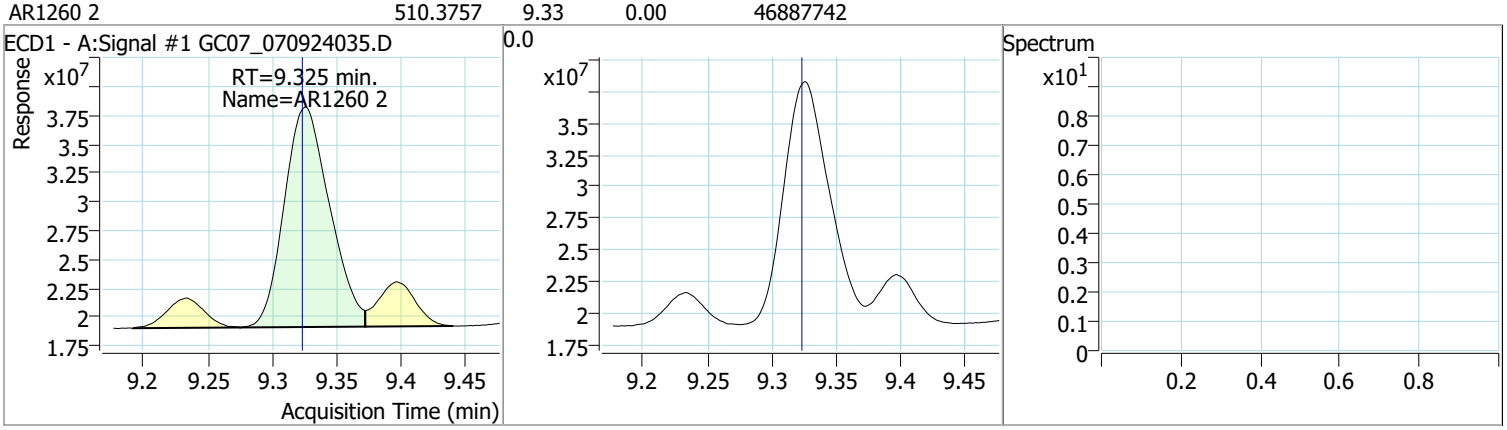
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	469.5428	7.82	0.00	4675512				



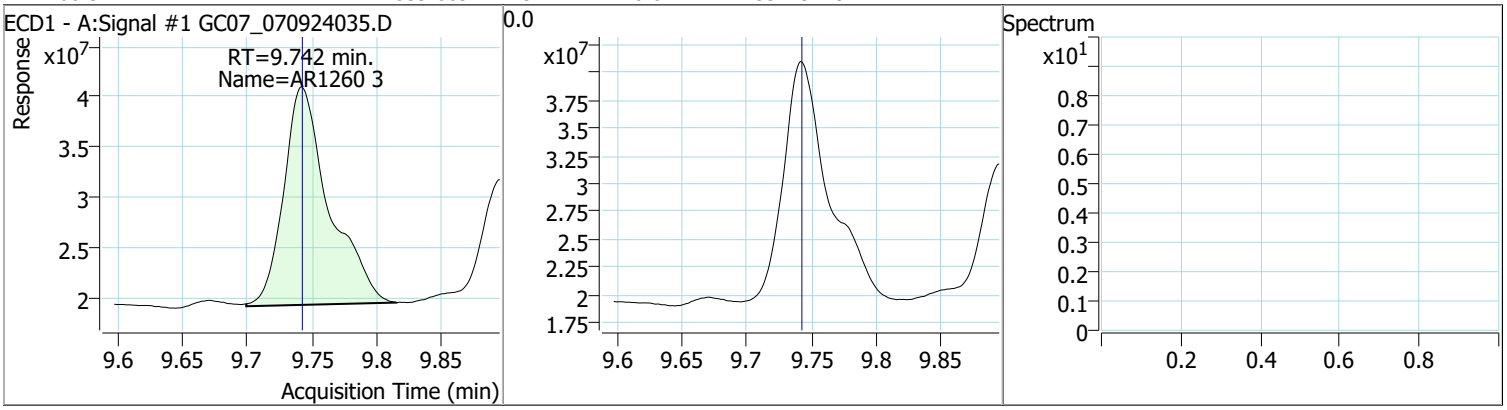
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.4639	8.86	-0.01	29021050 (m)				



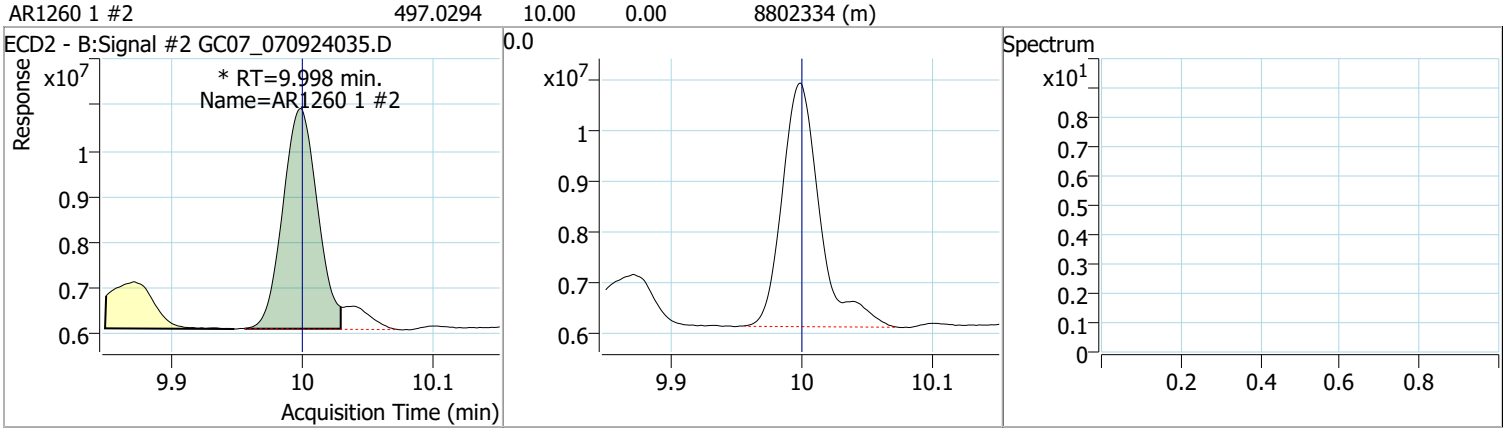
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	510.3757	9.33	0.00	46887742				



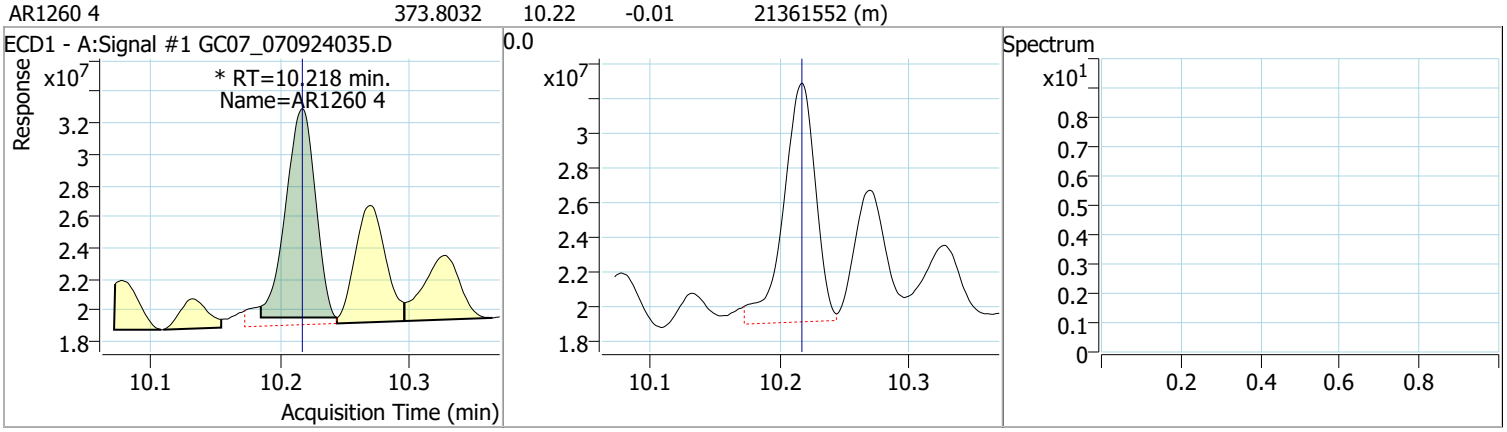
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	539.0094	9.74	-0.01	53279129				



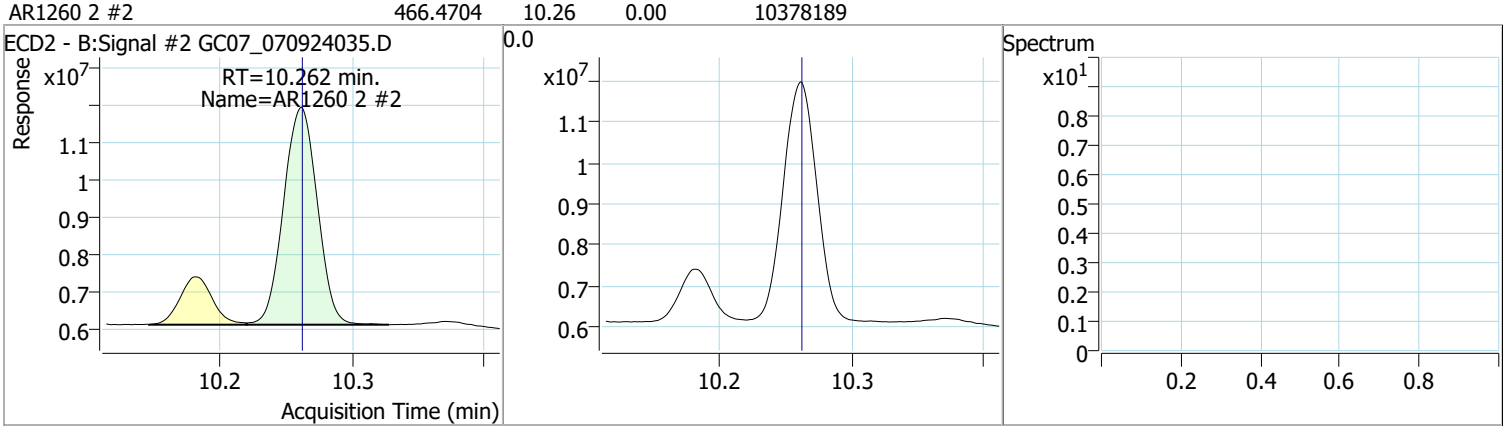
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	497.0294	10.00	0.00	8802334 (m)				



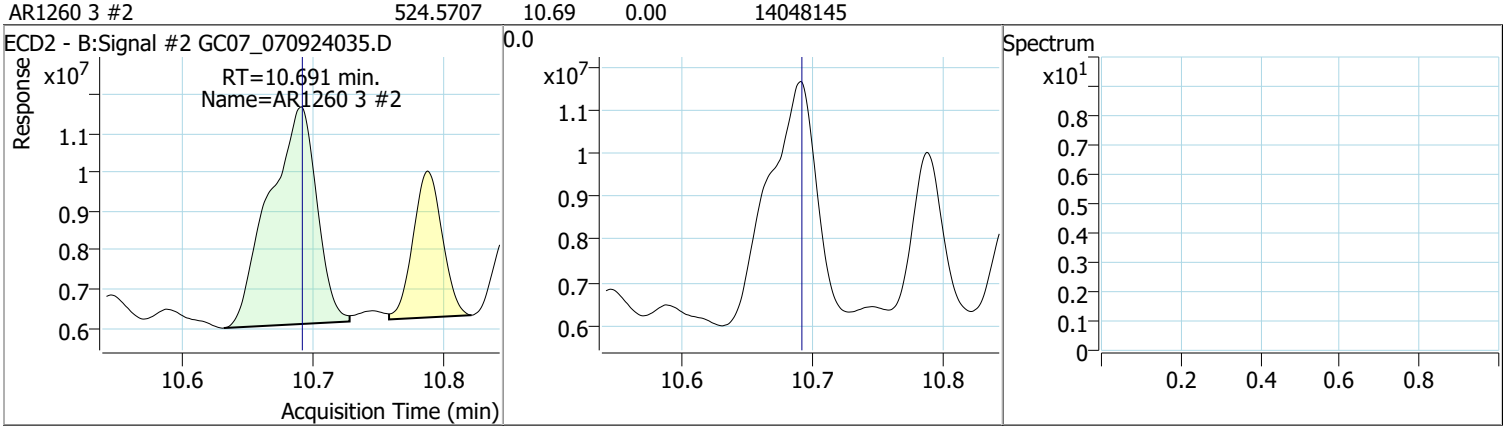
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	373.8032	10.22	-0.01	21361552 (m)				



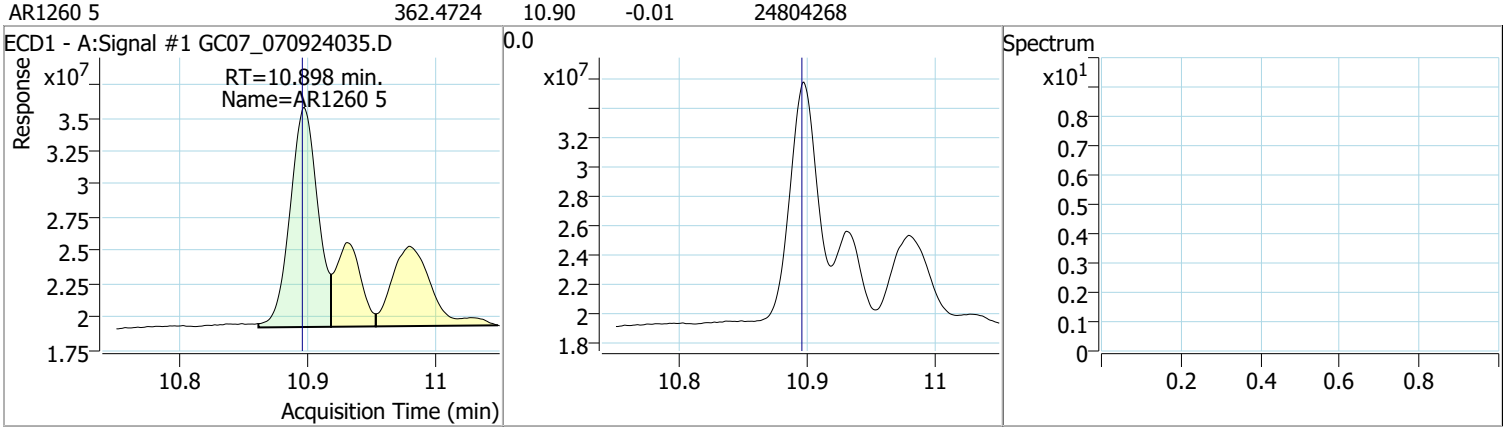
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	466.4704	10.26	0.00	10378189				



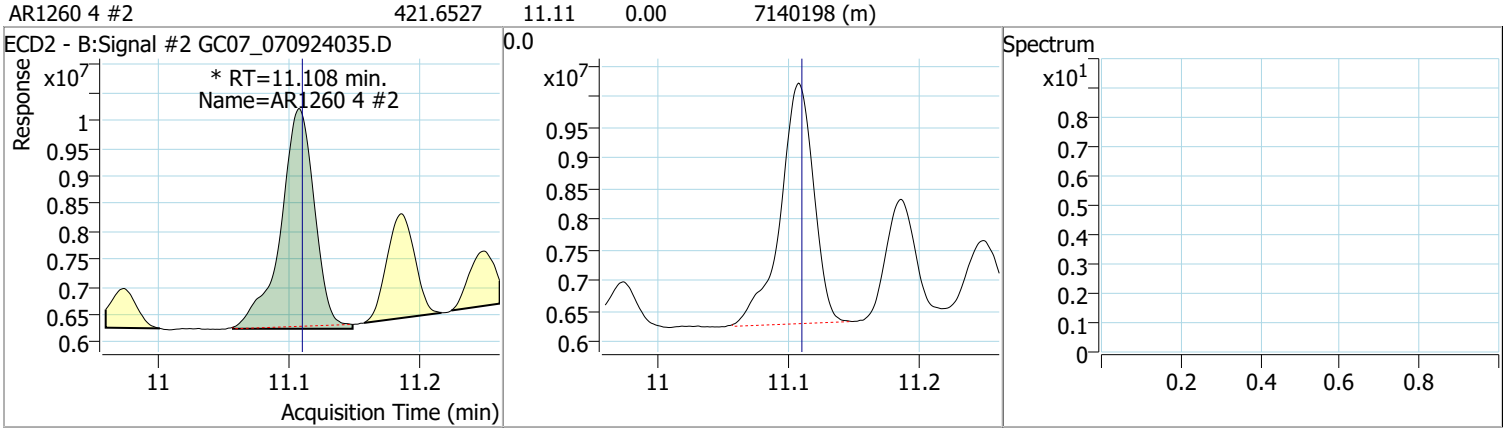
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	524.5707	10.69	0.00	14048145				



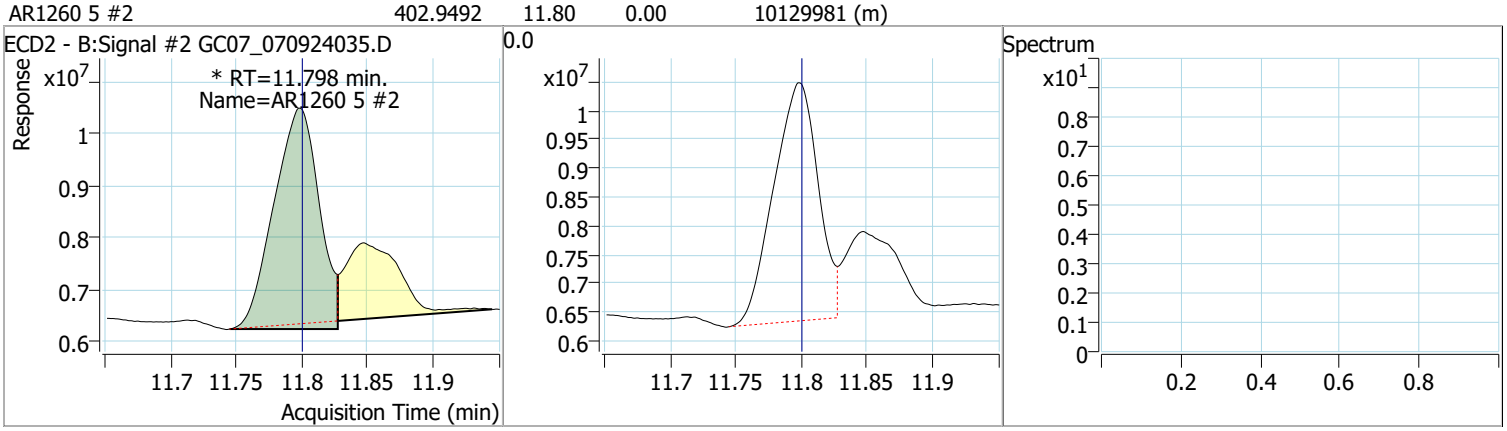
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	362.4724	10.90	-0.01	24804268				



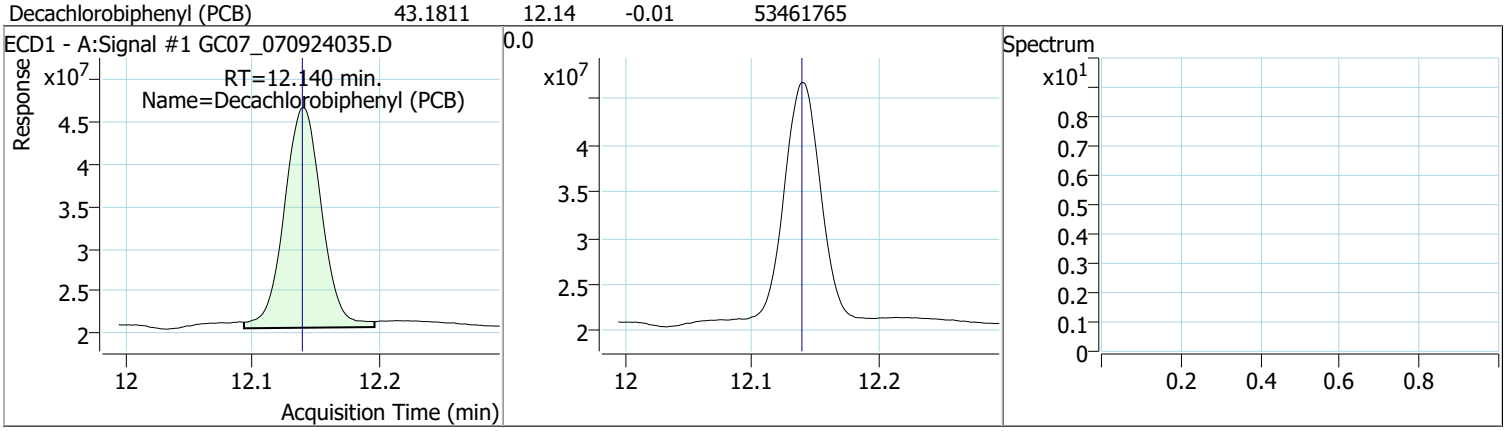
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	421.6527	11.11	0.00	7140198 (m)				



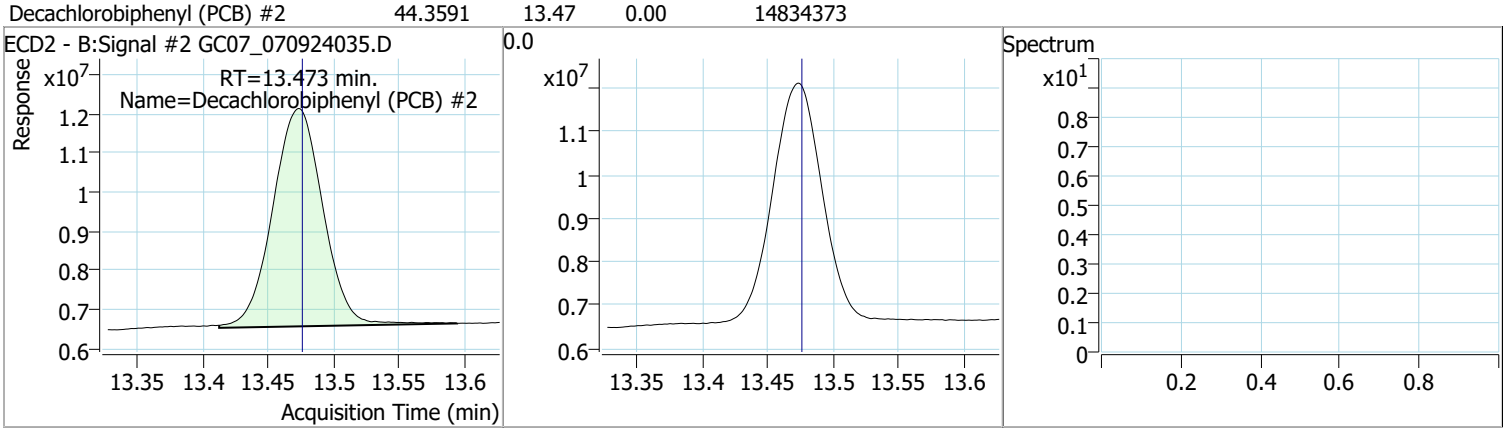
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	402.9492	11.80	0.00	10129981 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.1811	12.14	-0.01	53461765				

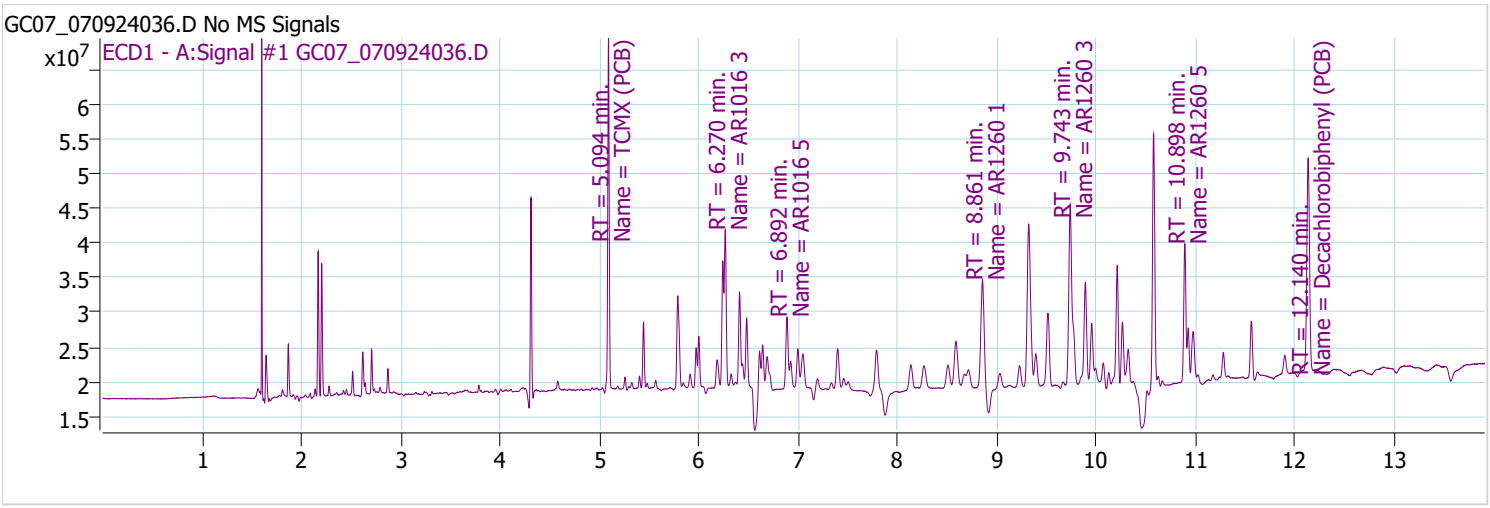


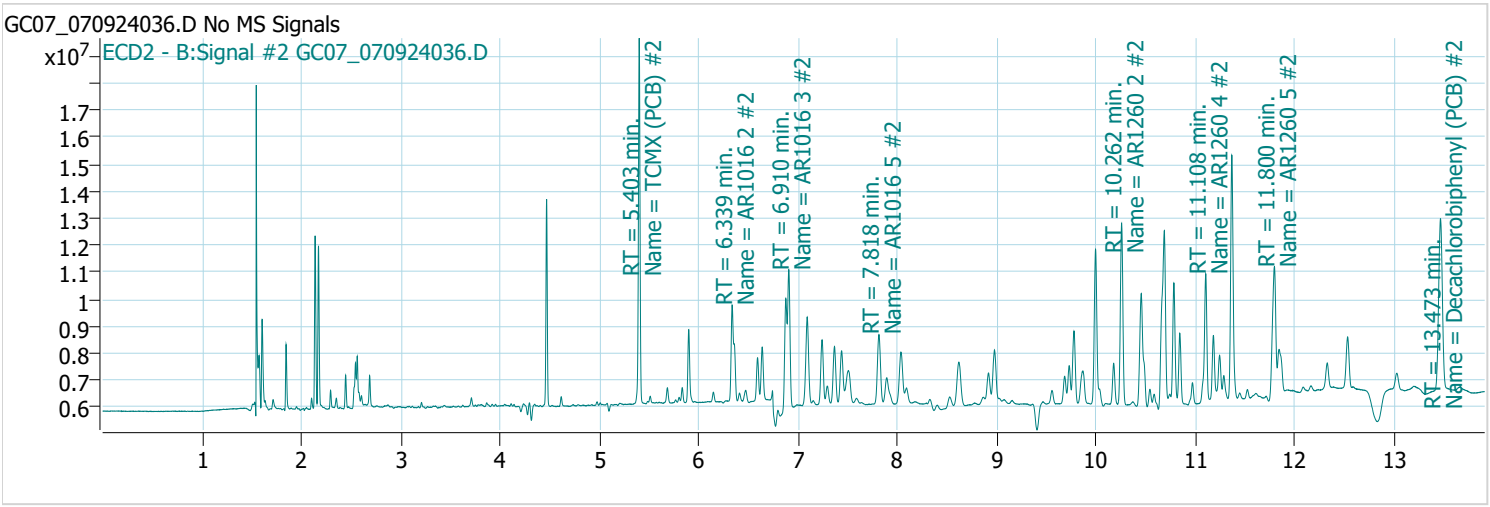
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.3591	13.47	0.00	14834373				



Quantitation Results Report (Not Reviewed)

Data File	GC07_070924036.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 7:59:10 PM
Sample Name	QC1167801, 344625, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



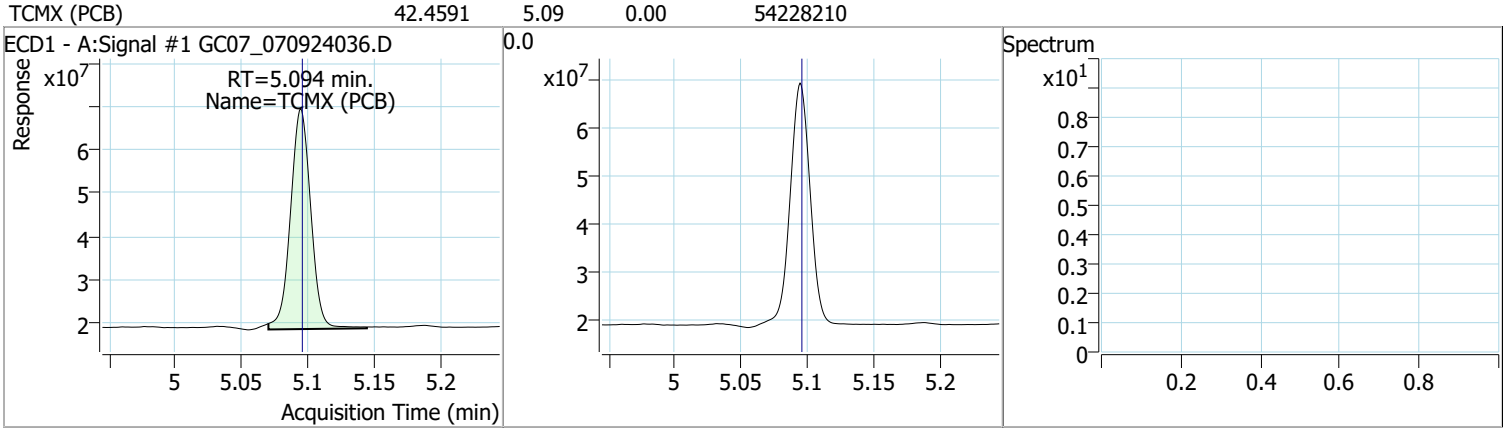


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.314	0.0	27264415.610	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7624154.852	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	54228209.528	42.4591	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.30%		*	
S TCMX (PCB) #2	5.403	0.0	15271365.489	41.7601	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.80%		*	
S Decachlorobiphenyl (PCB)	12.140	0.0	63690962.904	42.3701	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.85%		*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	17387937.471	41.7469	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.73%		*	
Target Compounds							QValue

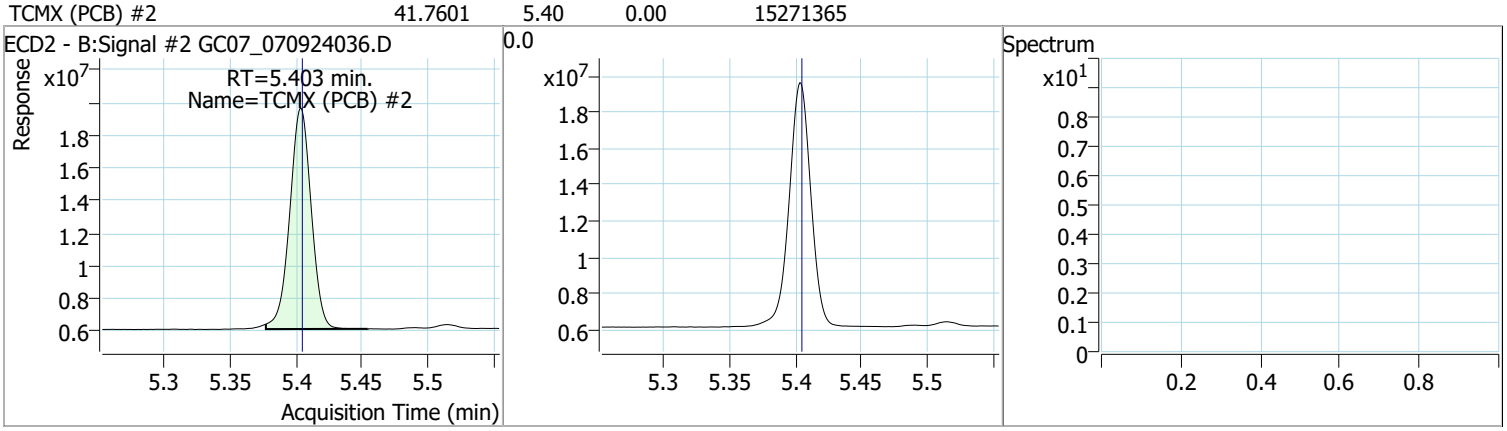
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.447	0.0	10503081.135	440.7190	ng/ml		100
T AR1016 2	5.793	0.0	23194621.151	468.4996	ng/ml		100
T AR1016 1 #2	5.903	0.0	3546520.502	440.5619	ng/ml		100
T AR1016 3	6.270	0.0	30008439.113	510.7105	ng/ml		100
T AR1016 2 #2	6.339	0.0	7797753.065	468.8453	ng/ml		100
T AR1016 4	6.414	0.0	18340089.413	442.7110	ng/ml		100
T AR1016 5	6.892	0.0	16938402.242	465.1571	ng/ml		100
T AR1016 3 #2	6.910	0.0	8376961.025	403.8405	ng/ml	m	100
T AR1016 4 #2	7.095	0.0	6627263.652	432.1910	ng/ml		100
T AR1016 5 #2	7.818	0.0	5638190.641	454.6201	ng/ml		100
T AR1260 1	8.861	0.0	35181450.675	481.7220	ng/ml	m	100
T AR1260 2	9.326	0.0	56241946.741	504.2223	ng/ml		100
T AR1260 3	9.743	0.0	64207211.780	535.0003	ng/ml		100
T AR1260 1 #2	9.999	0.0	10336743.161	468.6308	ng/ml	m	100
T AR1260 4	10.217	0.0	25781296.500	371.5746	ng/ml	m	100
T AR1260 2 #2	10.262	0.0	11768680.526	424.7107	ng/ml		100
T AR1260 3 #2	10.692	0.0	16519696.243	495.2791	ng/ml		100
T AR1260 5	10.898	0.0	30682397.461	369.2911	ng/ml		100
T AR1260 4 #2	11.108	0.0	8684740.121	411.7791	ng/ml	m	100
T AR1260 5 #2	11.800	0.0	11993852.196	383.0568	ng/ml	m	100

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

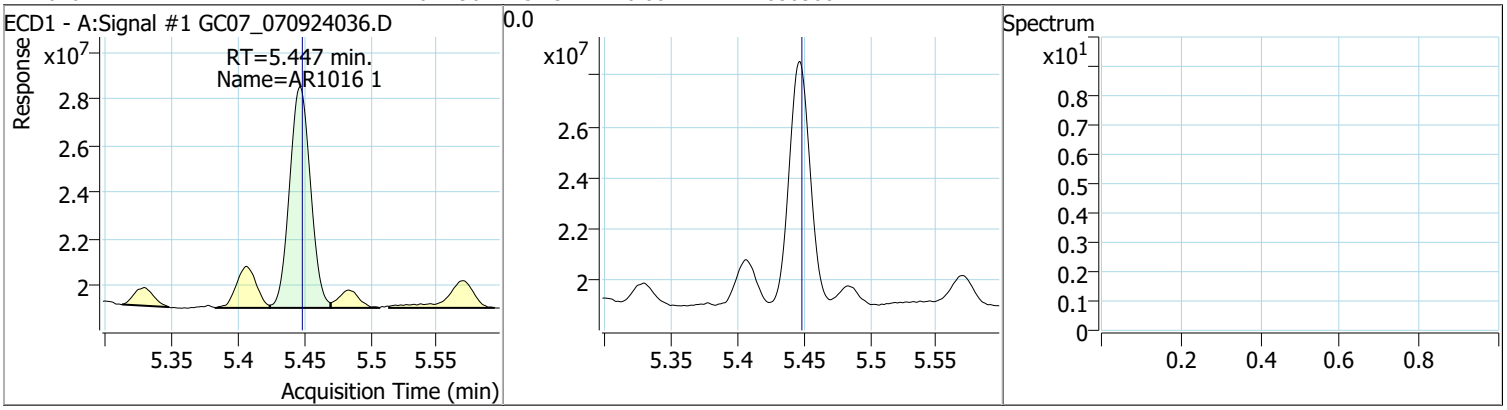
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.4591	5.09	0.00	54228210				



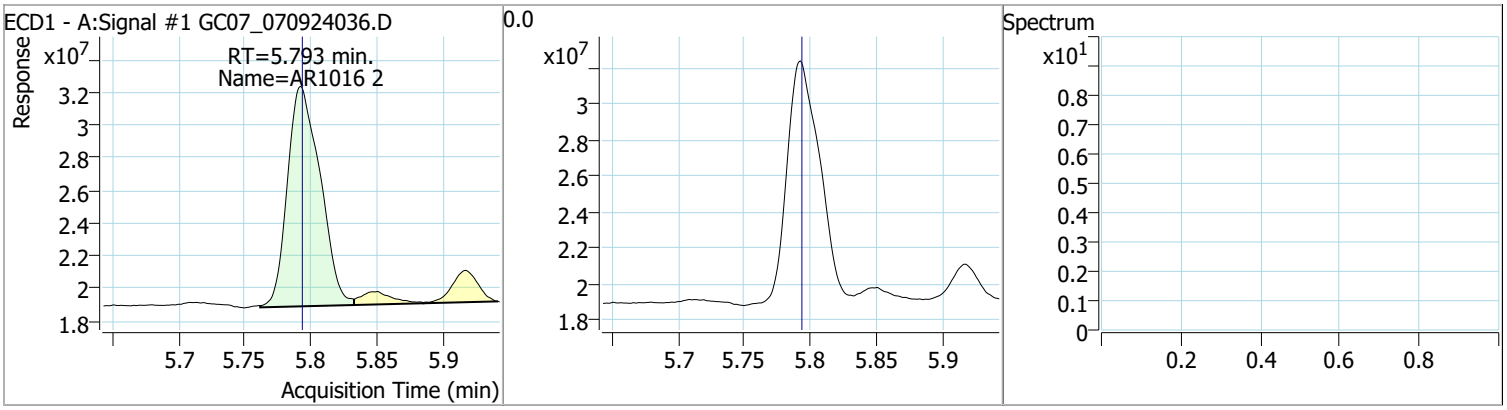
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.7601	5.40	0.00	15271365				



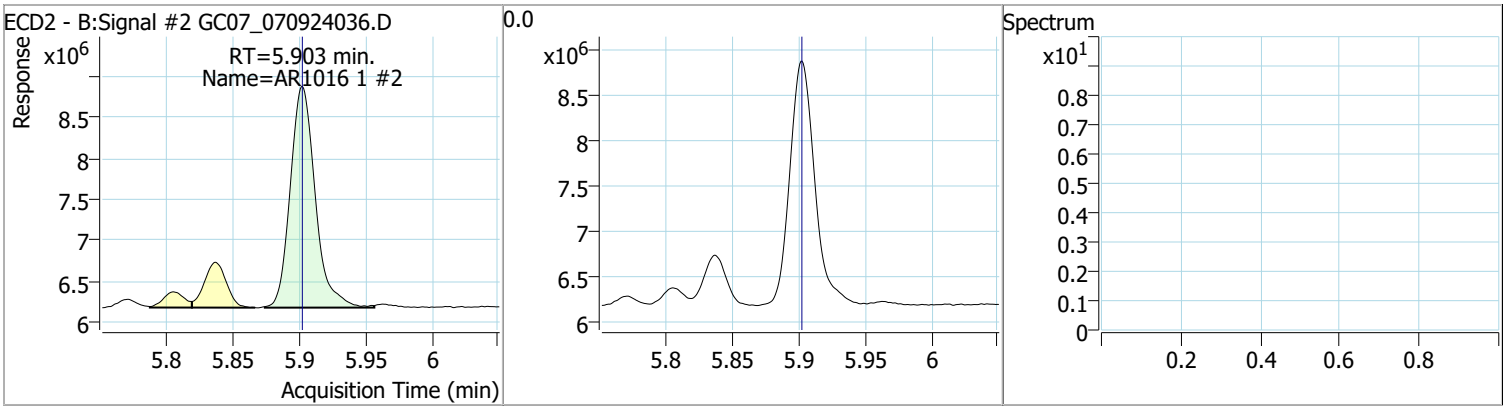
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	440.7190	5.45	0.00	10503081				



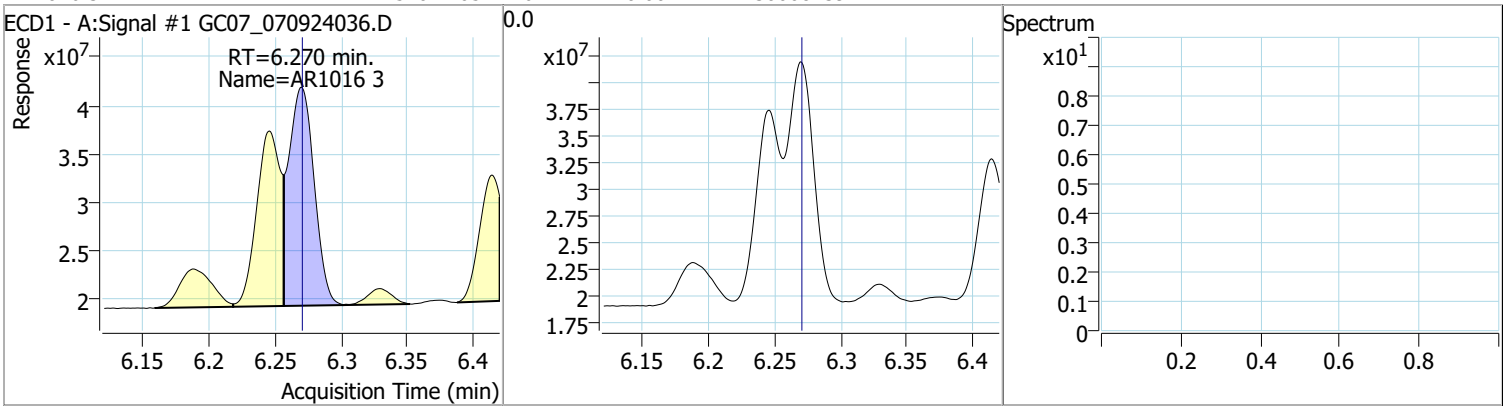
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.4996	5.79	0.00	23194621				



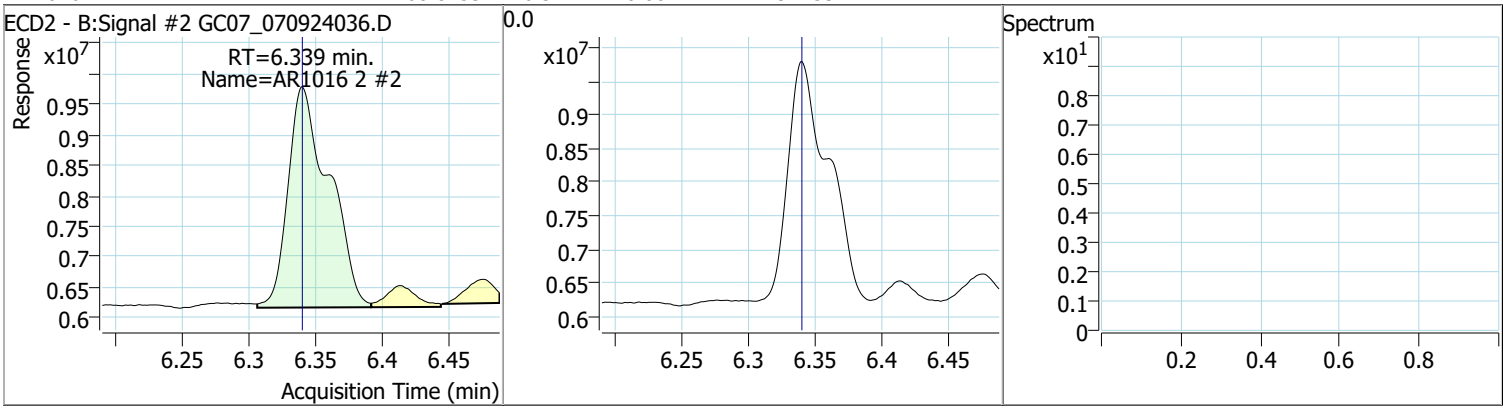
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	440.5619	5.90	0.00	3546521				



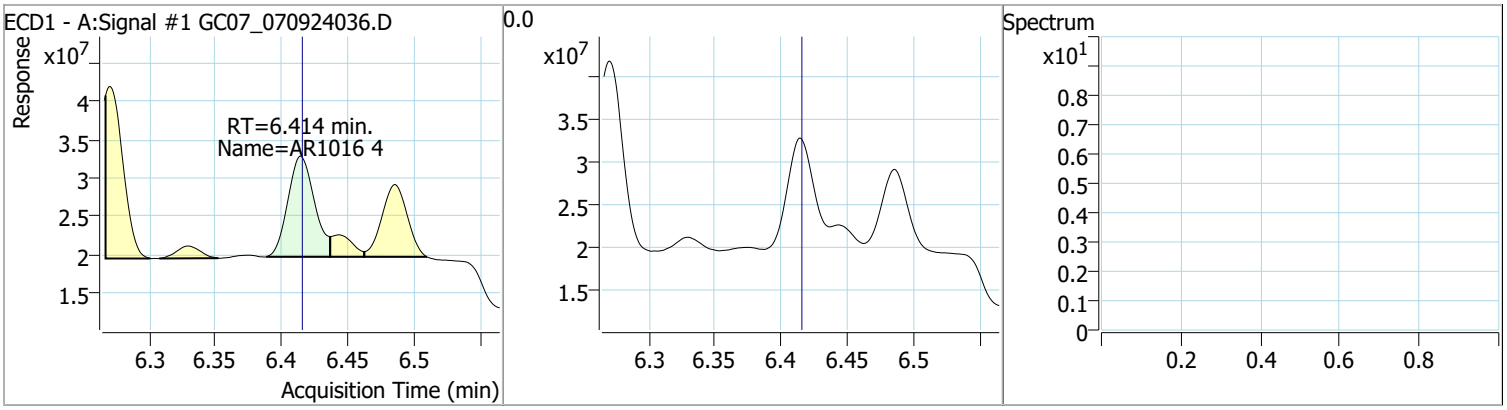
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	510.7105	6.27	0.00	30008439				



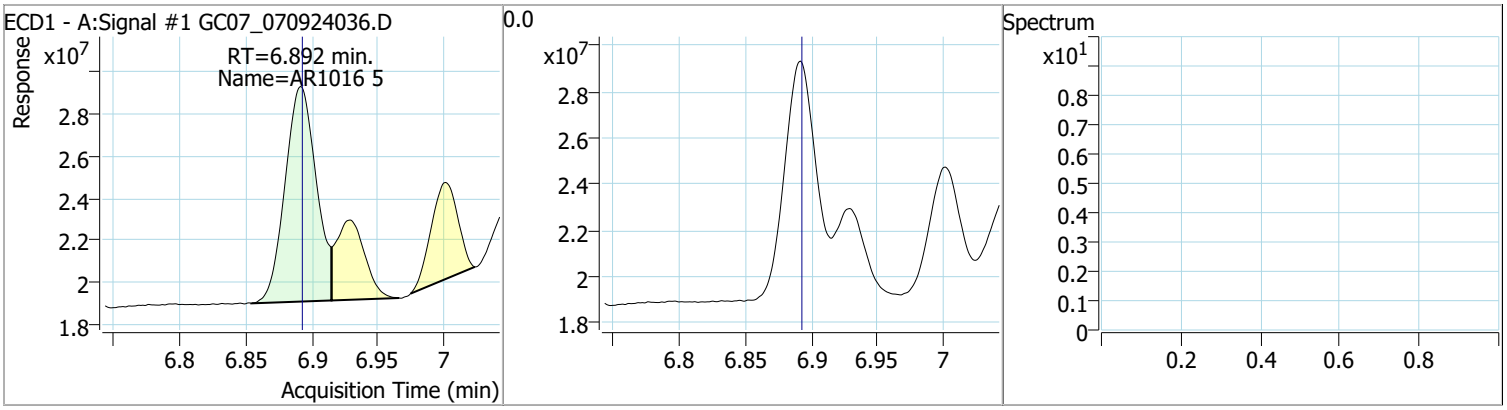
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	468.8453	6.34	0.00	7797753				



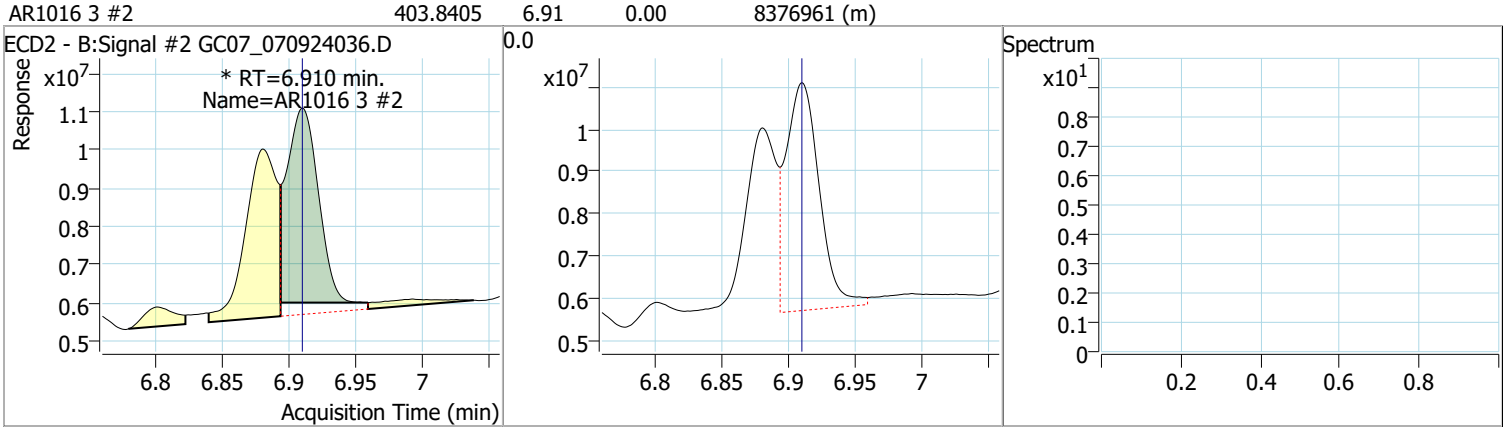
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	442.7110	6.41	0.00	18340089				



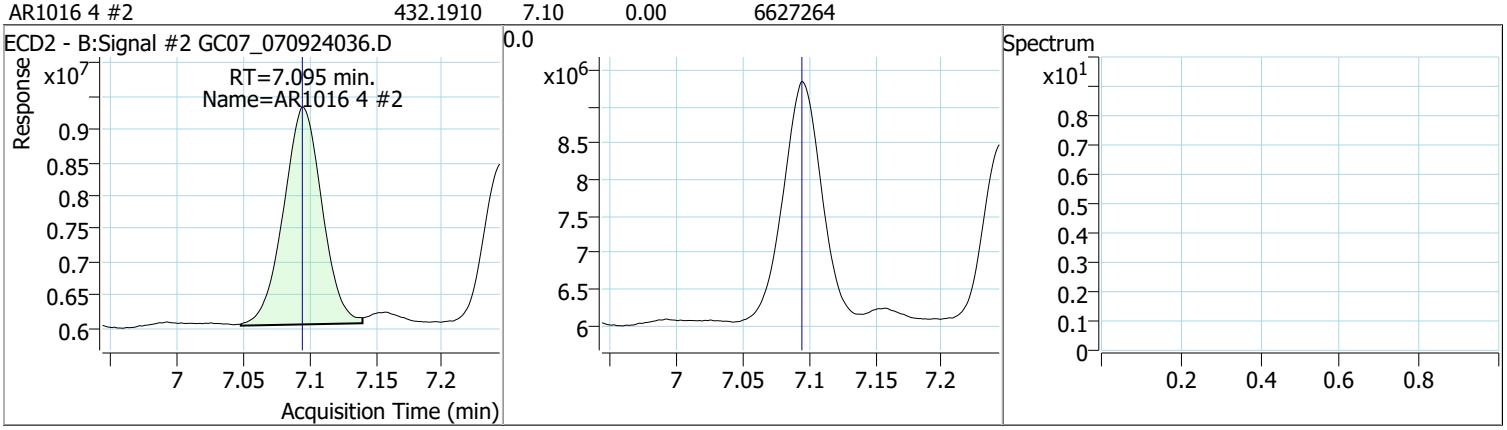
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	465.1571	6.89	0.00	16938402				



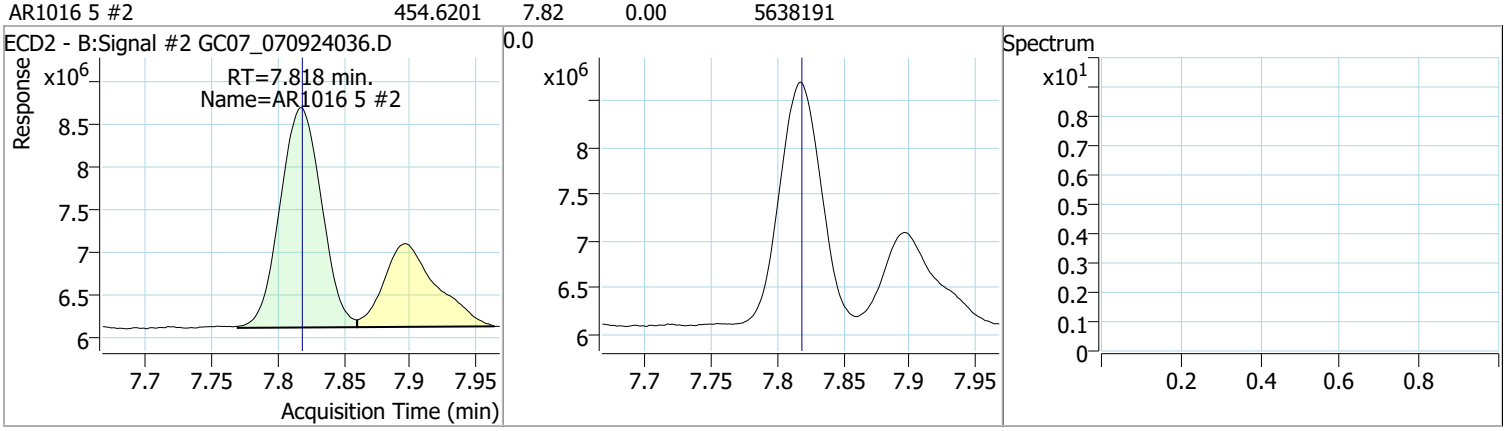
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	403.8405	6.91	0.00	8376961 (m)				



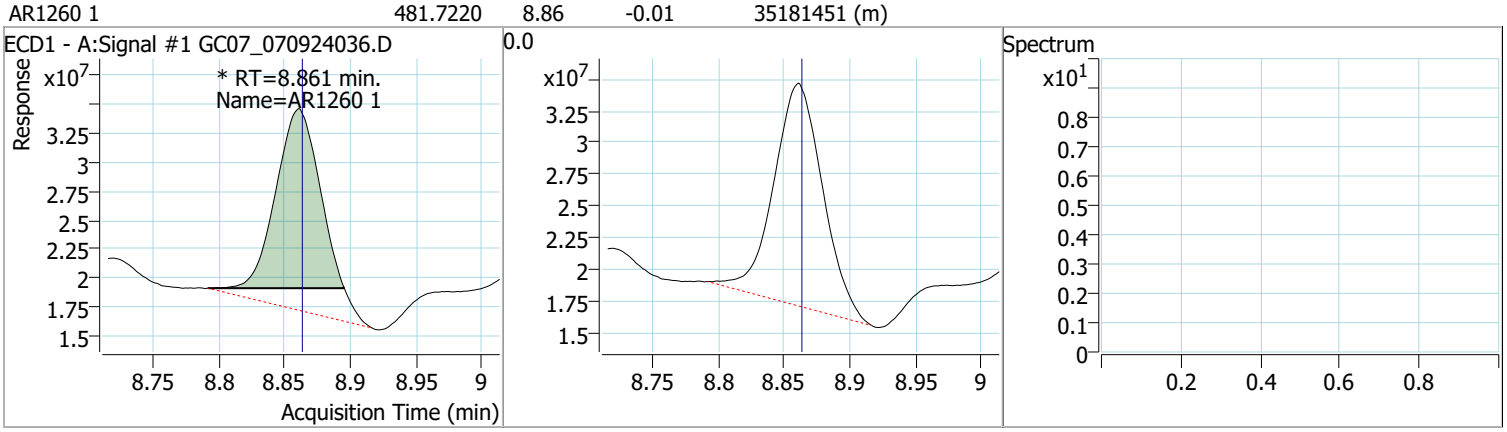
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.1910	7.10	0.00	6627264				



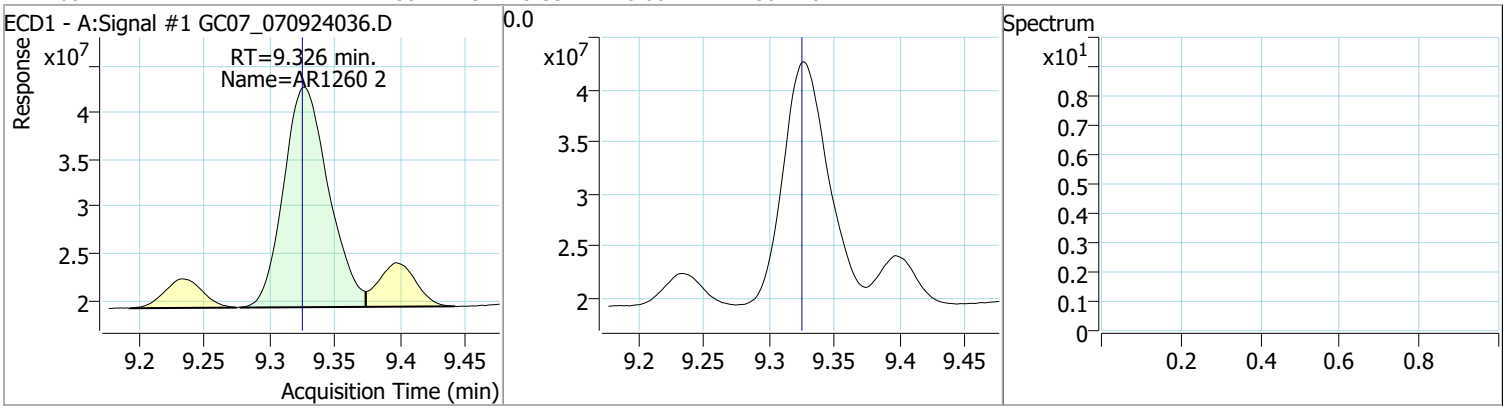
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	454.6201	7.82	0.00	5638191				



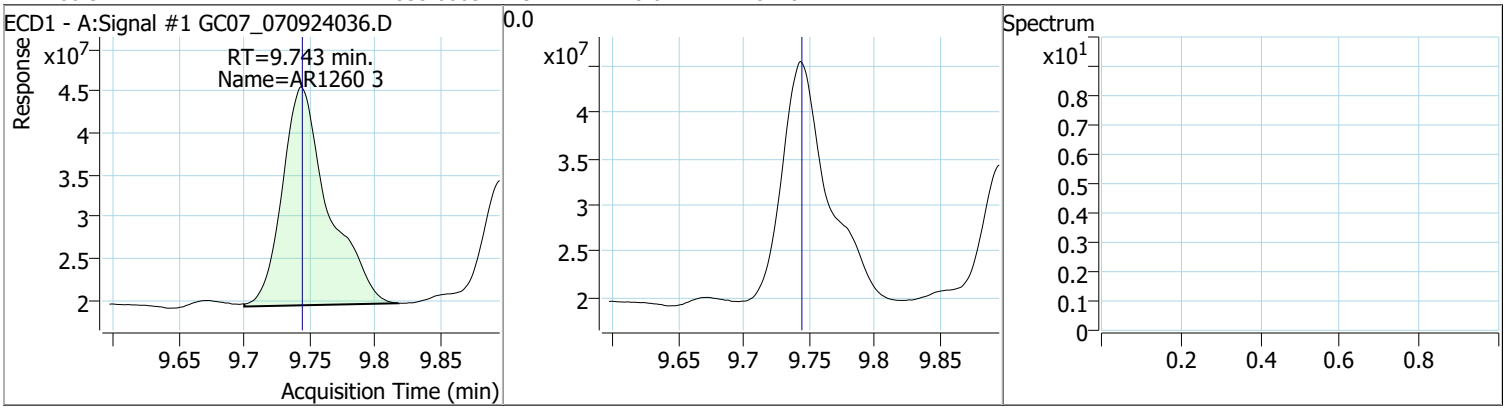
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	481.7220	8.86	-0.01	35181451 (m)				



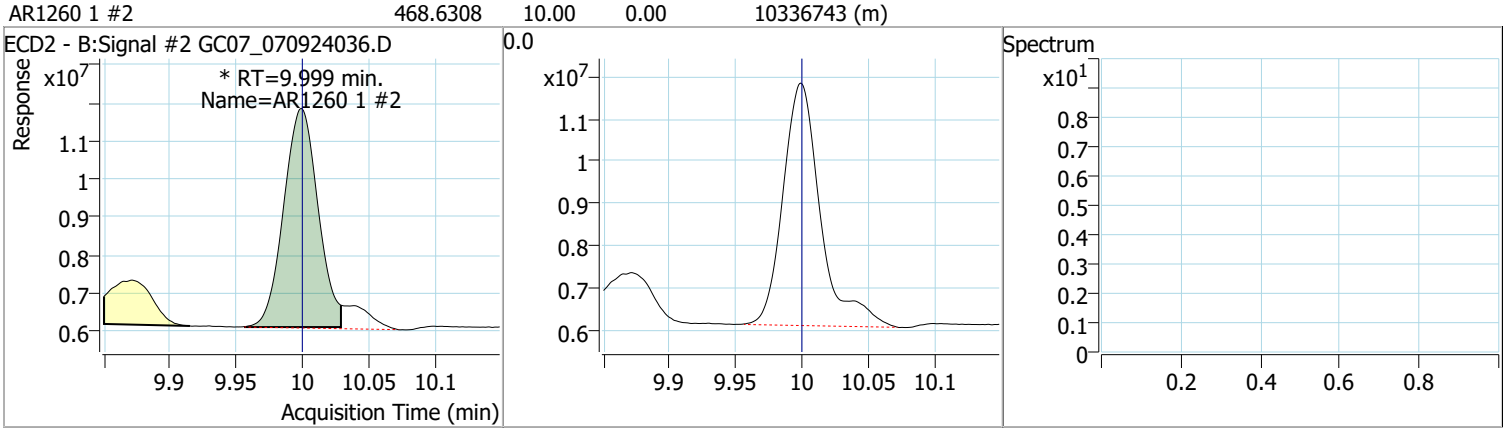
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	504.2223	9.33	0.00	56241947				



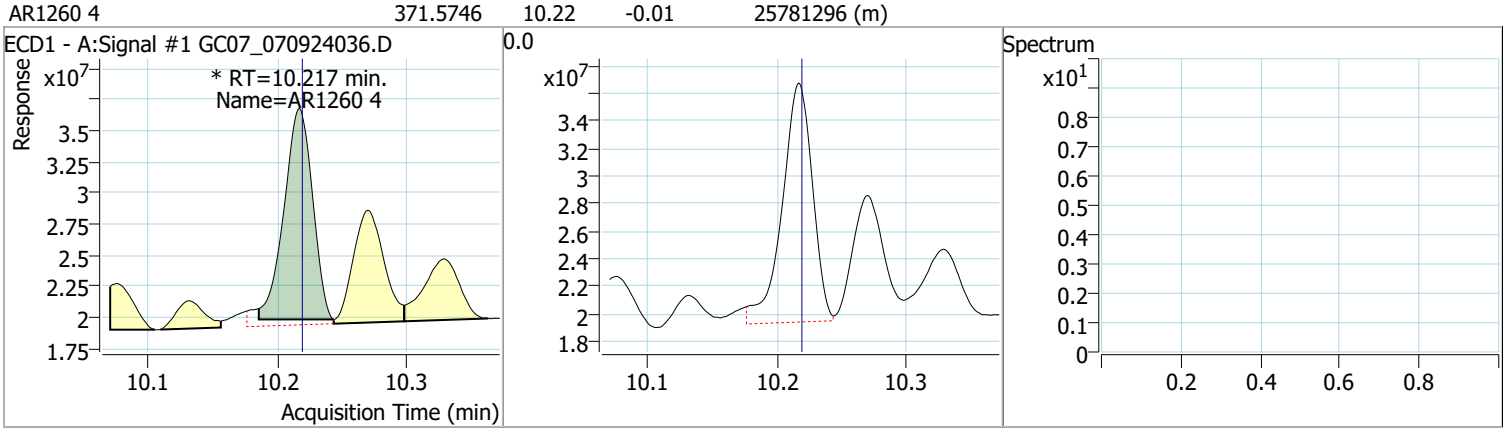
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	535.0003	9.74	-0.01	64207212				



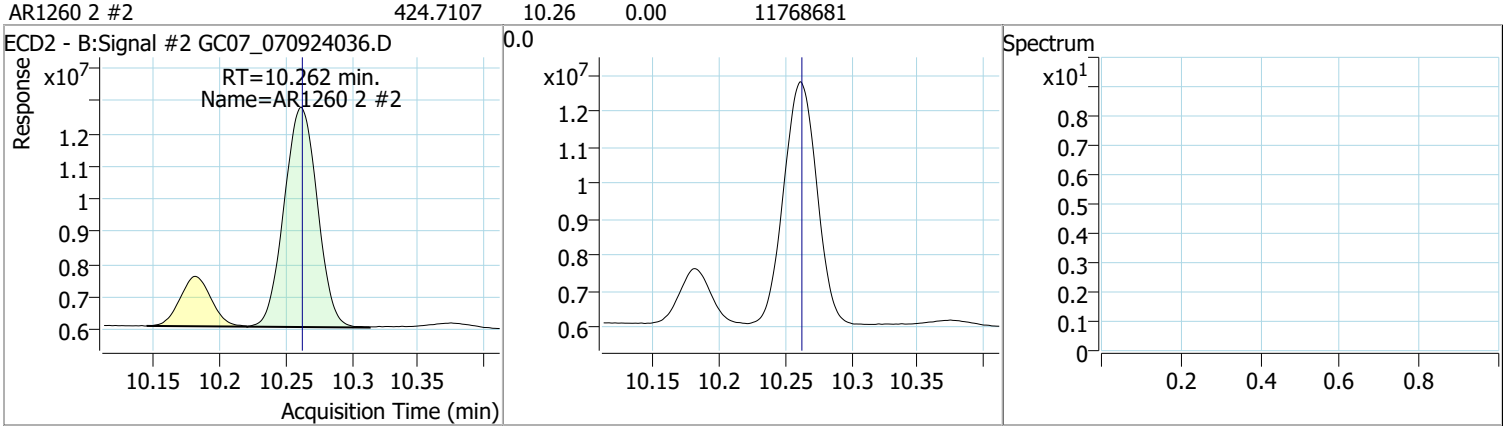
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	468.6308	10.00	0.00	10336743 (m)				



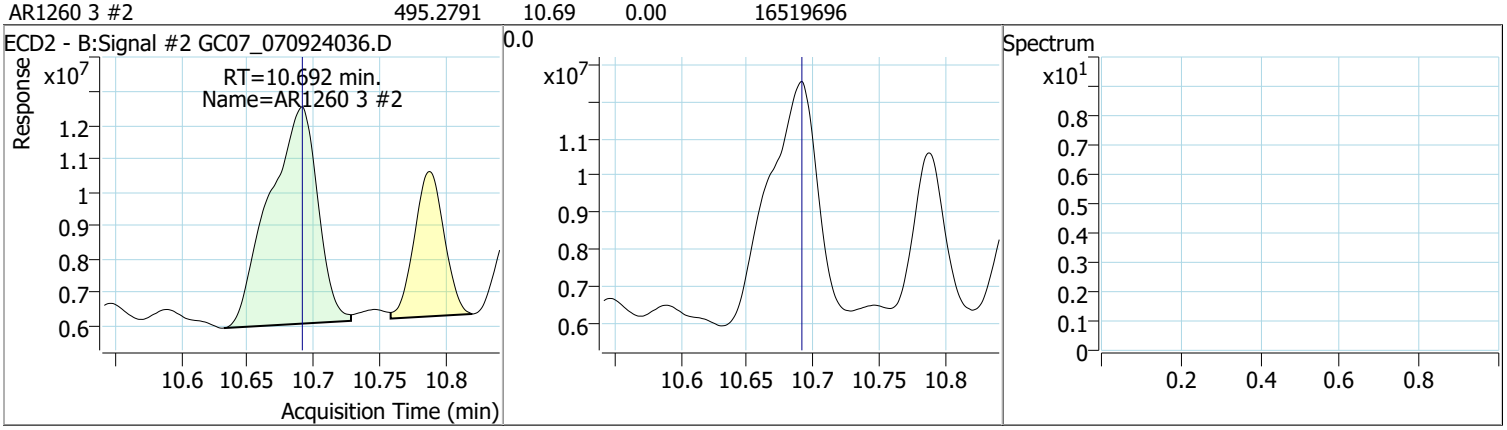
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	371.5746	10.22	-0.01	25781296 (m)				



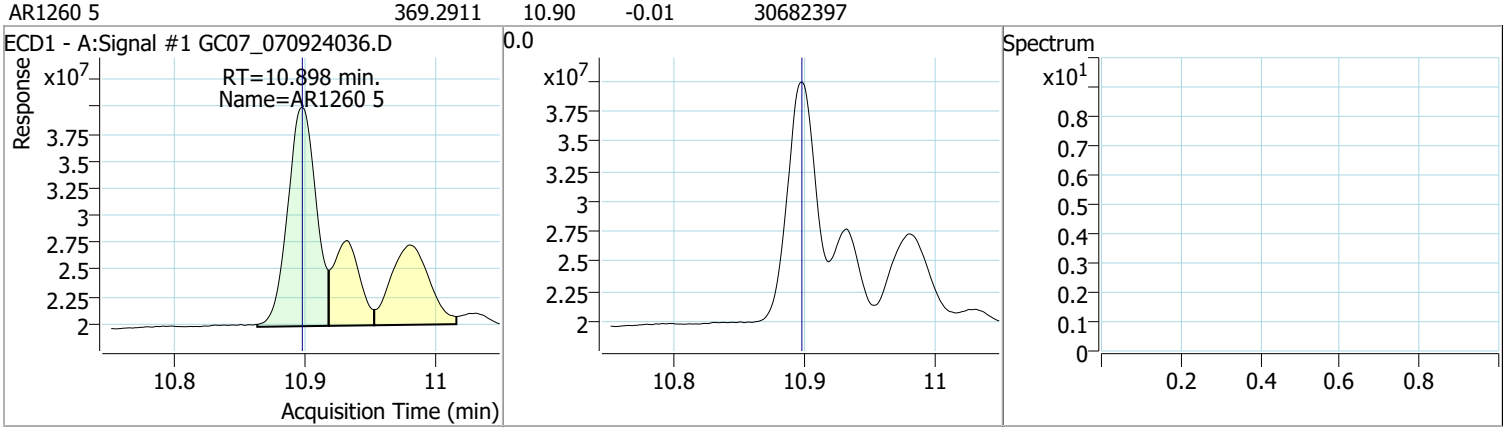
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	424.7107	10.26	0.00	11768681				



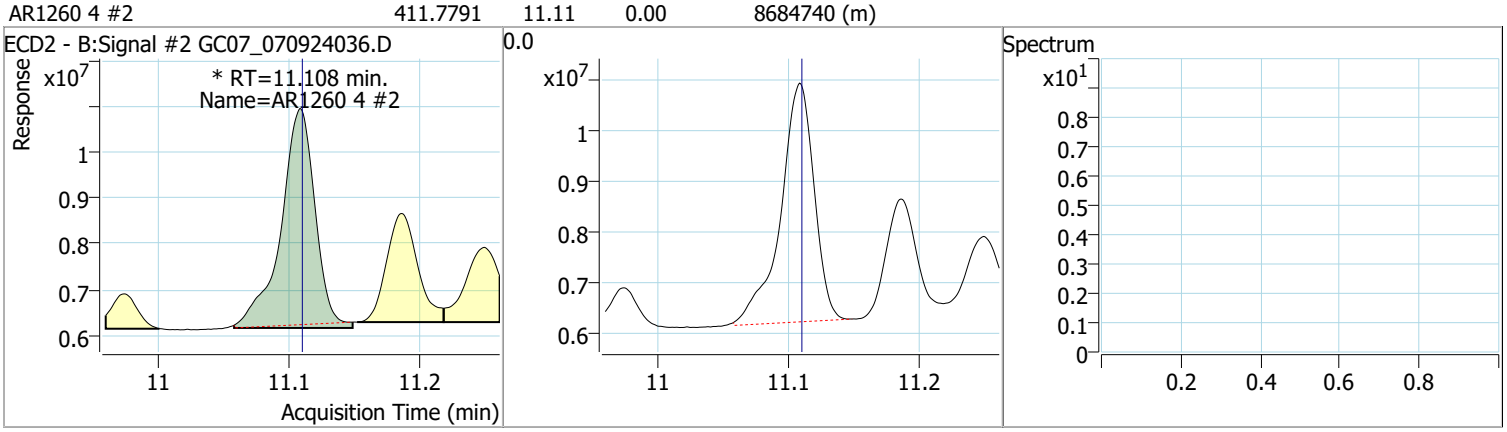
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	495.2791	10.69	0.00	16519696				



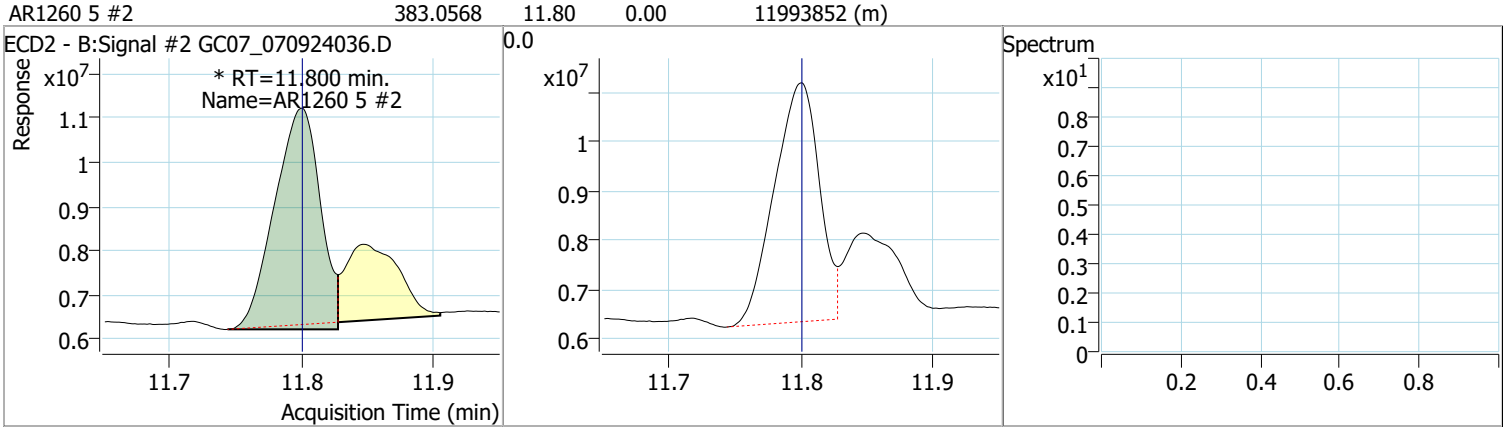
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	369.2911	10.90	-0.01	30682397				



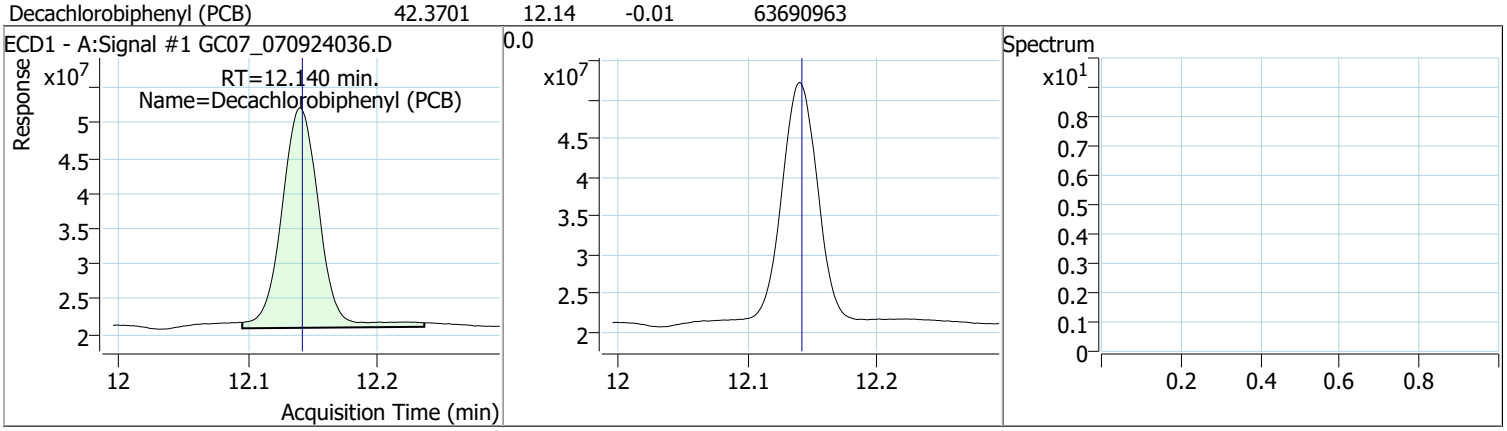
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	411.7791	11.11	0.00	8684740 (m)				



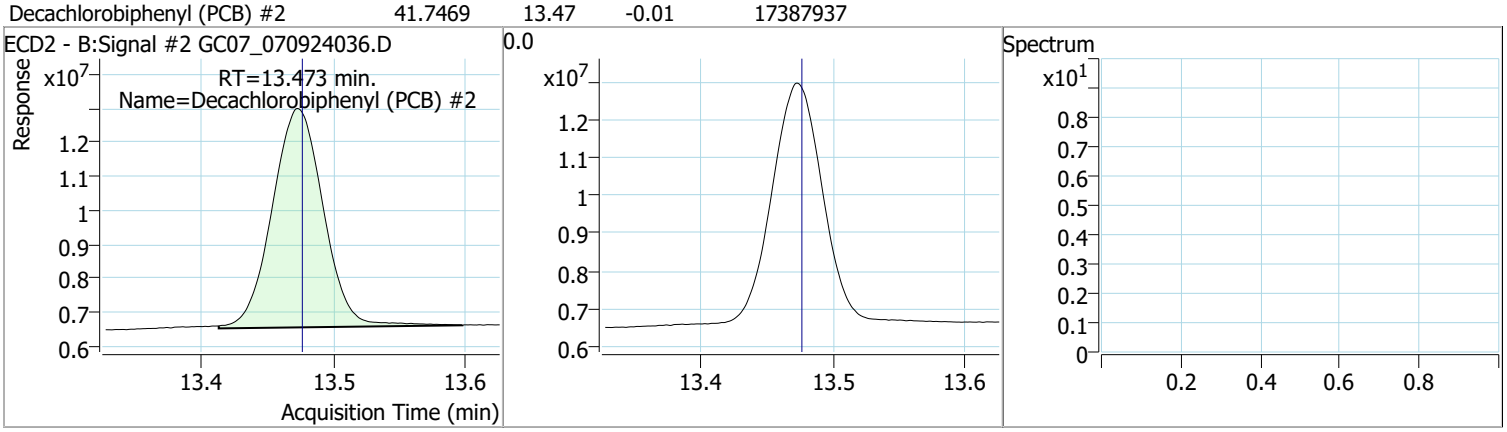
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	383.0568	11.80	0.00	11993852 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.3701	12.14	-0.01	63690963				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.7469	13.47	-0.01	17387937				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 511602 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
QUAD: Quadratic regression

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	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

ENTHALPY INITIAL CALIBRATION FOR 511602 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

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	16	20.000	**36**	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	**-21**	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	**38**	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	**22**	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	**24**	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	**21**	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	**-21**
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	**-21**		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

ENTHALPY INITIAL CALIBRATION FOR 511602 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511602 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

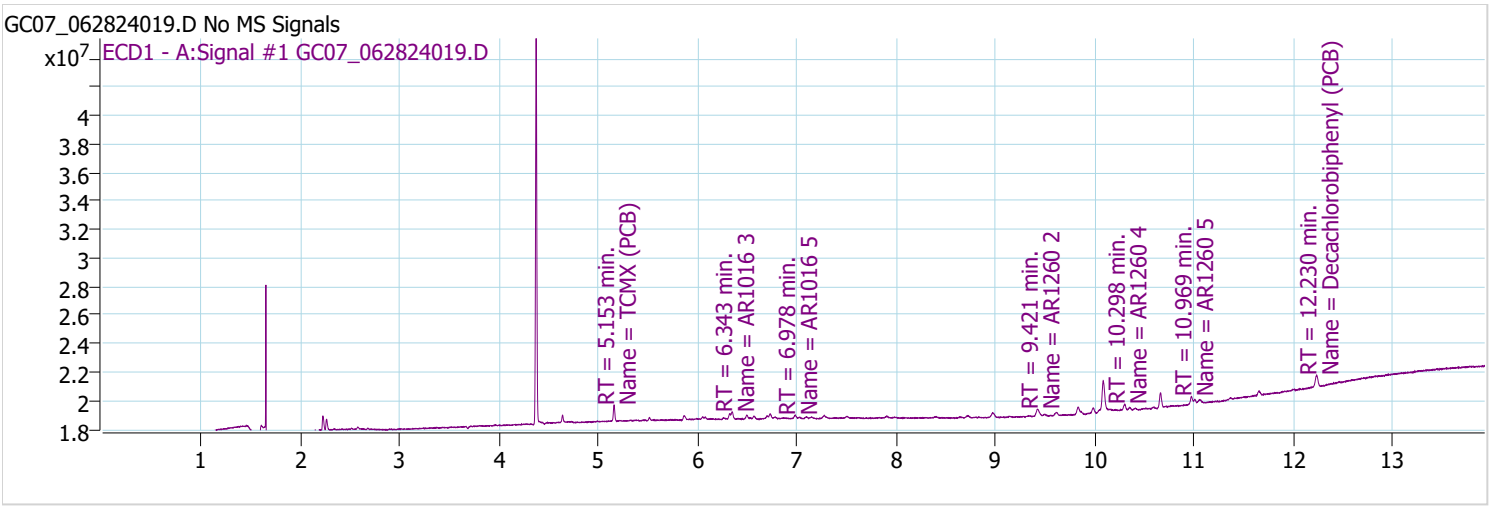
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

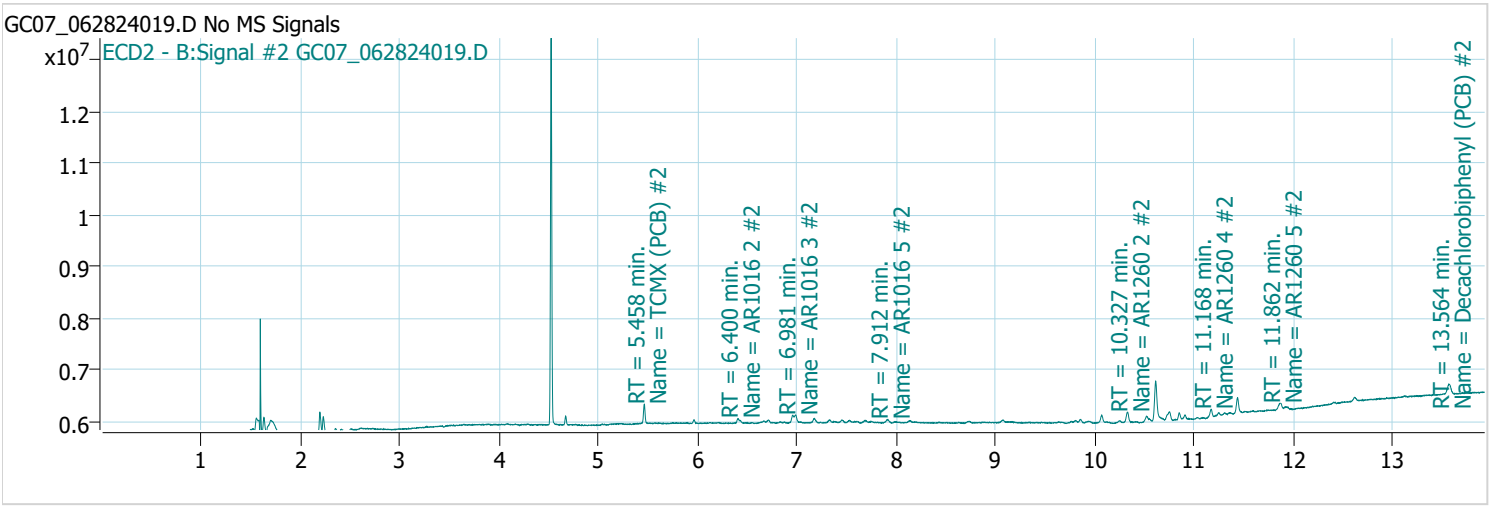
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Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_062824019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 12:46:26 PM
Sample Name	ICAL, S20882	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



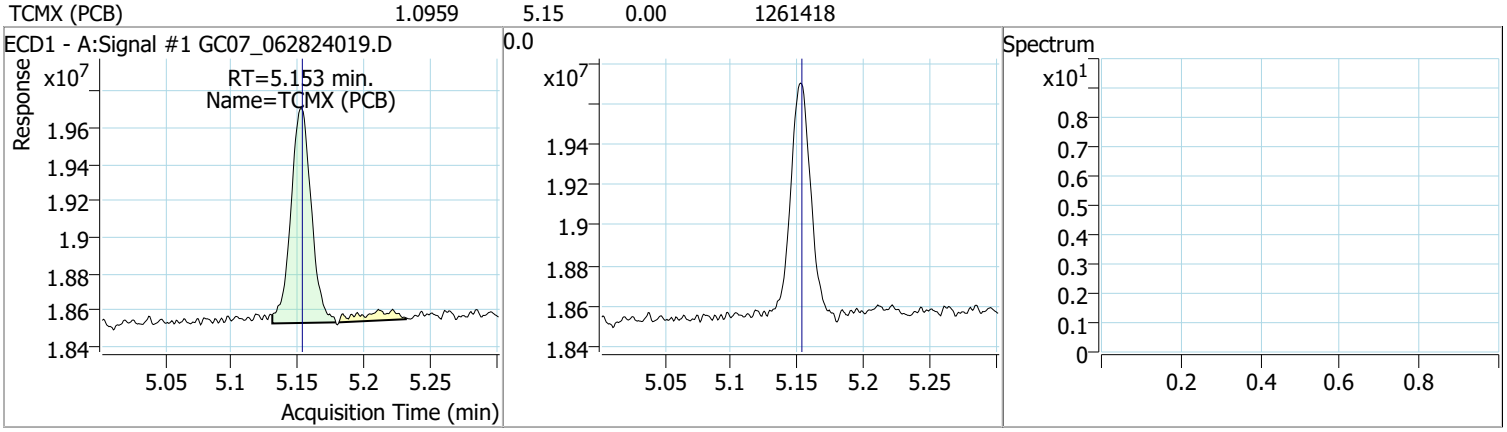


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	24571557.163	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	6870927.884	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	1261418.443	1.0959	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.48%		*	
S TCMX (PCB) #2	5.458	0.0	479922.074	1.4562	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.28%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	1592723.131	1.1757	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.88%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	529439.591	1.4105	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.05%		*	
Target Compounds							QValue
T AR1016 1	5.511	0.0	250166.382	11.6476	ng/ml		100

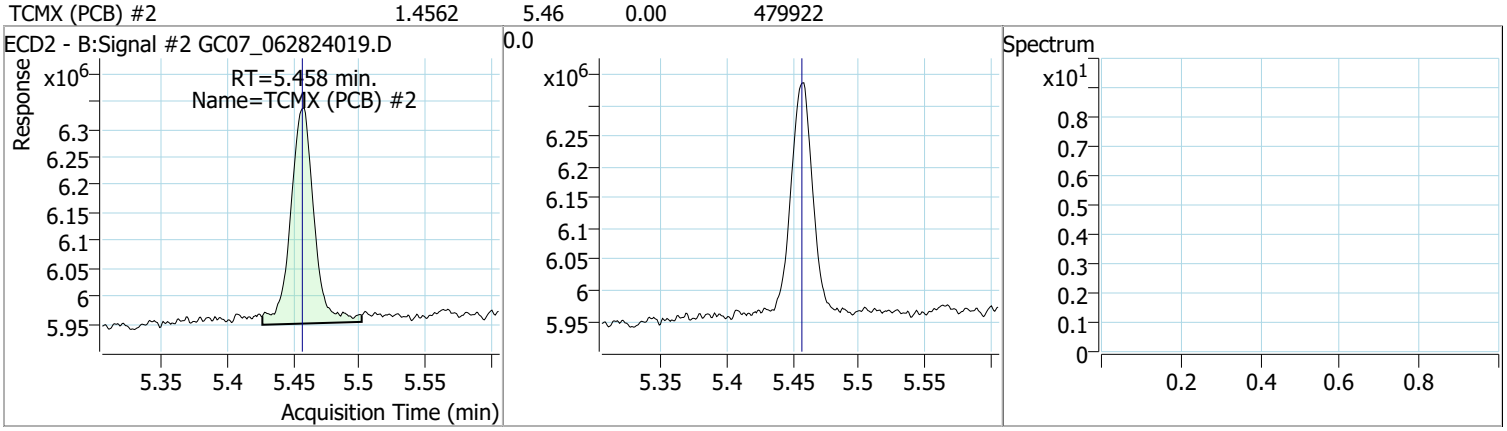
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.860	0.0	567711.062	12.7237	ng/ml	100
T AR1016 1 #2	5.955	0.0	98252.376	13.5433	ng/ml	100
T AR1016 3	6.343	0.0	823683.187	14.7144	ng/ml	100
T AR1016 2 #2	6.400	0.0	234963.615	15.6761	ng/ml	100
T AR1016 4	6.490	0.0	523436.173	14.0199	ng/ml	100
T AR1016 5	6.978	0.0	382913.674	11.6679	ng/ml	100
T AR1016 3 #2	6.981	0.0	274478.452	14.6828	ng/ml	100
T AR1016 4 #2	7.171	0.0	169636.591	12.2754	ng/ml	100
T AR1016 5 #2	7.912	0.0	145456.994	13.0143	ng/ml	100
T AR1260 1	8.965	0.0	830630.752	12.6199	ng/ml	100
T AR1260 2	9.421	0.0	1329214.967	13.2227	ng/ml	100
T AR1260 3	9.828	0.0	1281172.483	11.8452	ng/ml	100
T AR1260 1 #2	10.065	0.0	300993.079	15.1419	ng/ml	100
T AR1260 4	10.298	0.0	688961.990	11.0179	ng/ml	100
T AR1260 2 #2	10.327	0.0	408888.473	16.3737	ng/ml	100
T AR1260 3 #2	10.747	0.0	385734.045	12.8325	ng/ml	100
T AR1260 5	10.969	0.0	908059.589	12.1271	ng/ml	100
T AR1260 4 #2	11.168	0.0	258781.502	13.6150	ng/ml	100
T AR1260 5 #2	11.862	0.0	362498.558	12.8466	ng/ml	100

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

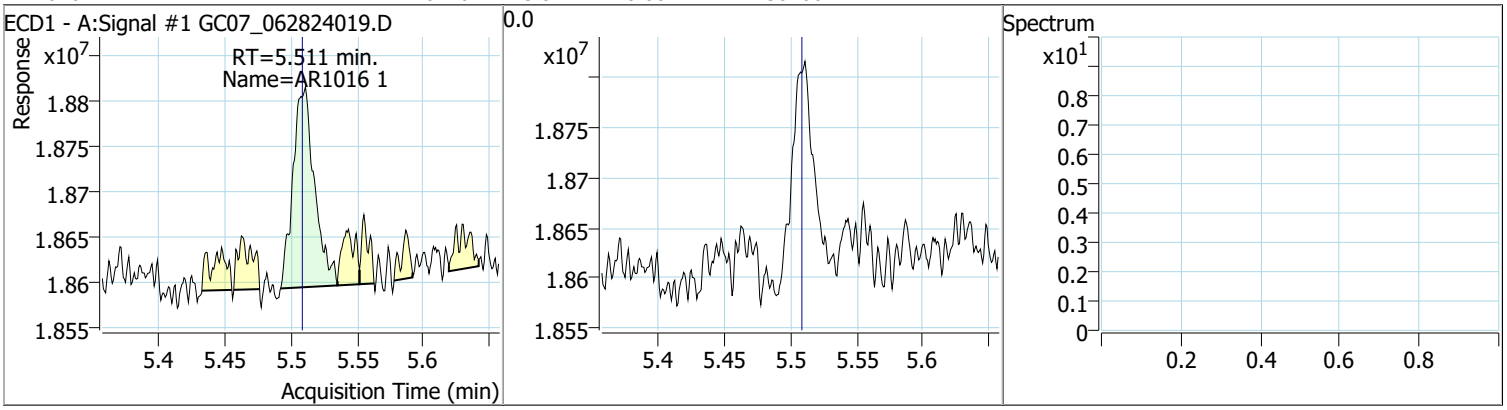
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.0959	5.15	0.00	1261418				



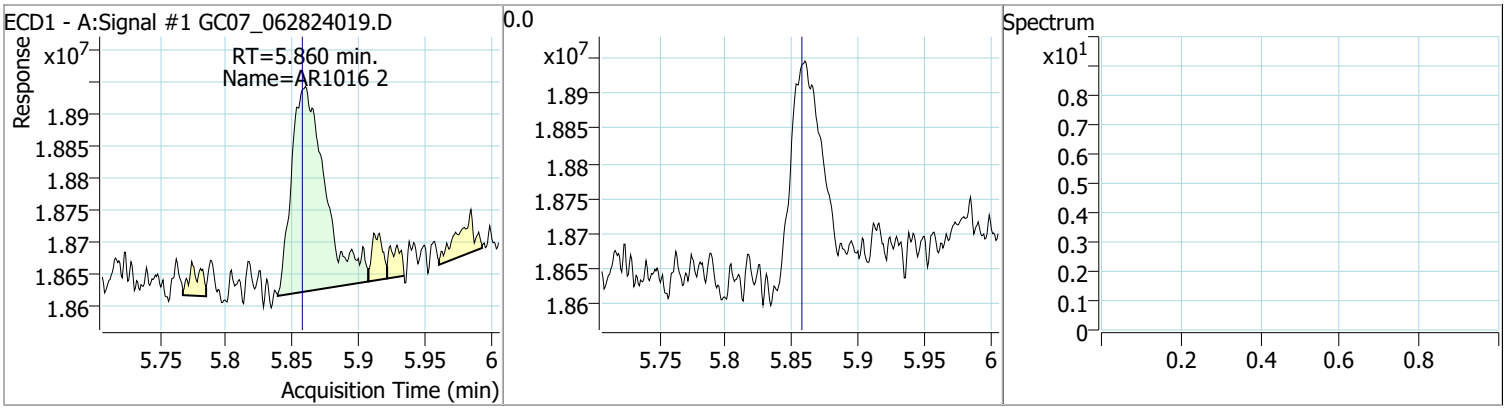
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.4562	5.46	0.00	479922				



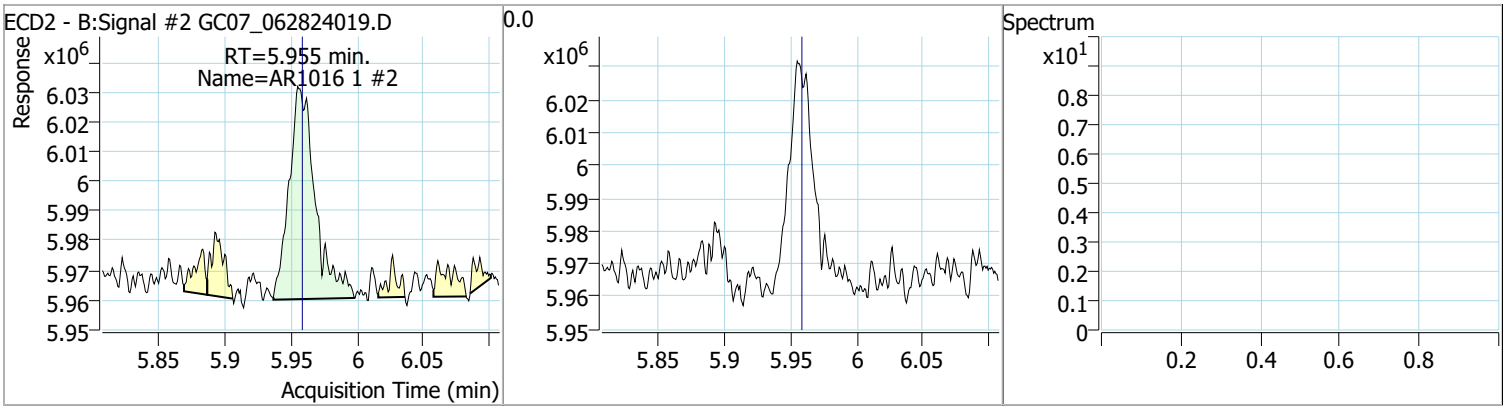
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	11.6476	5.51	0.00	250166				



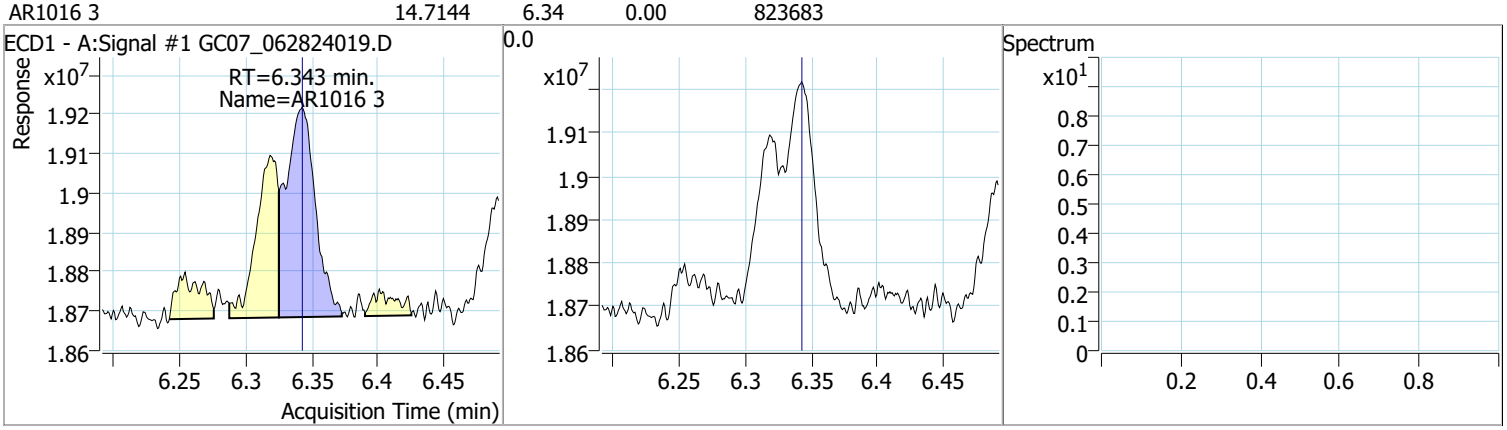
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	12.7237	5.86	0.00	567711				



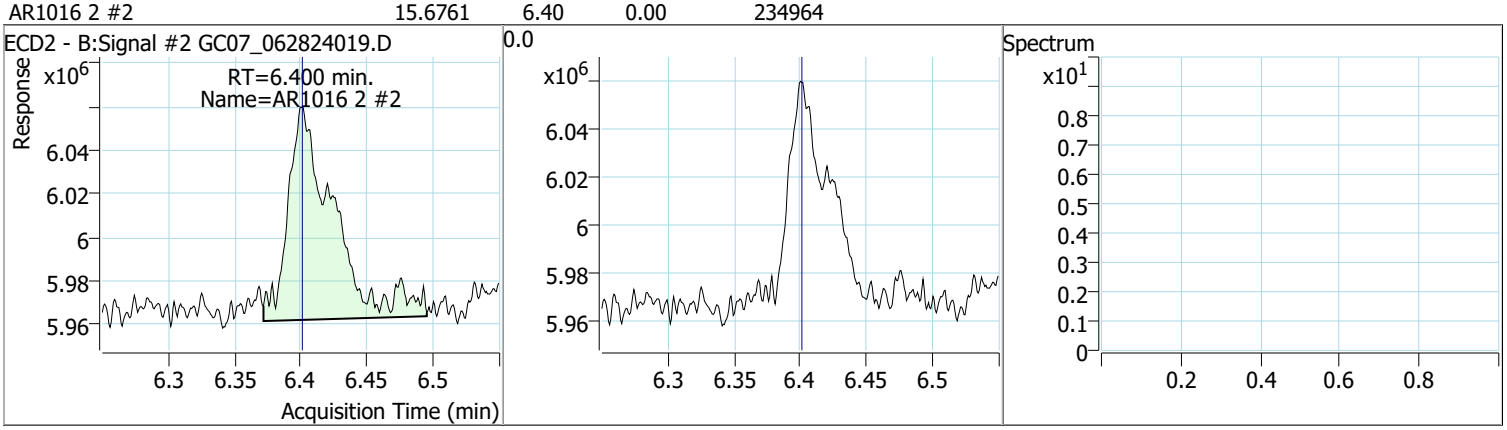
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.5433	5.96	0.00	98252				



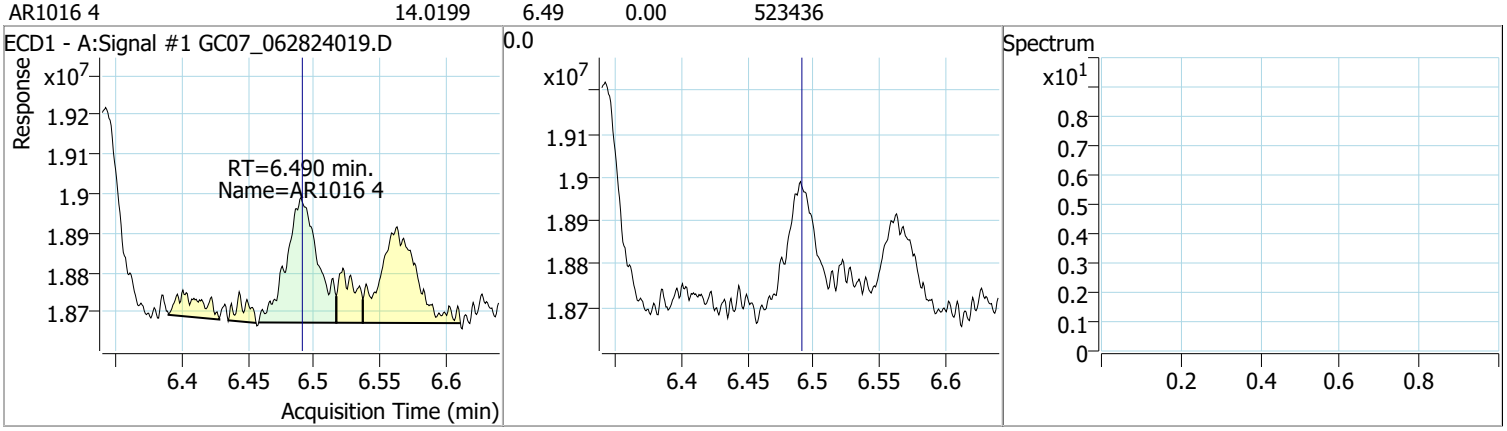
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	14.7144	6.34	0.00	823683				



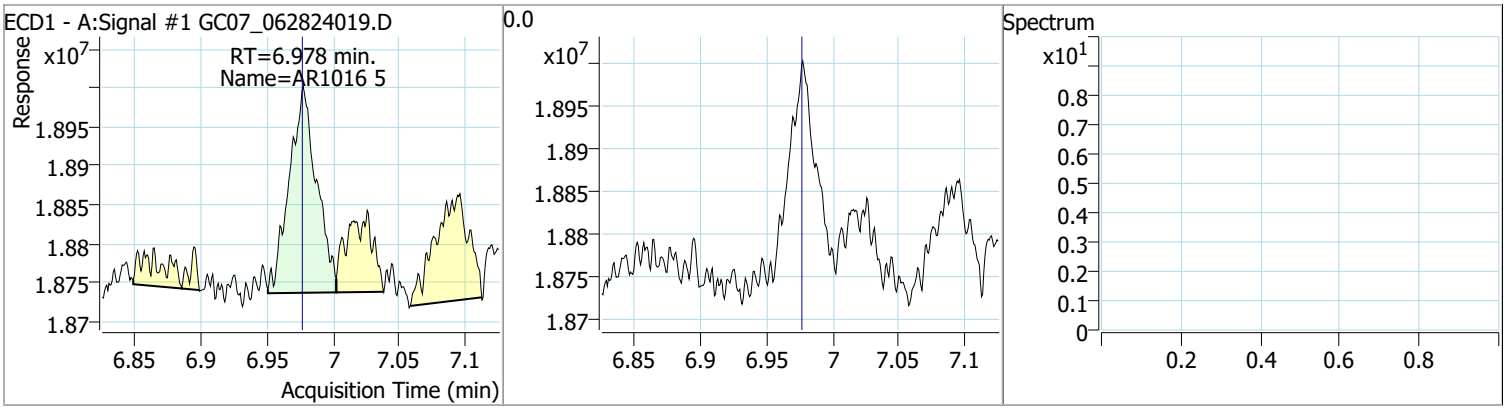
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.6761	6.40	0.00	234964				



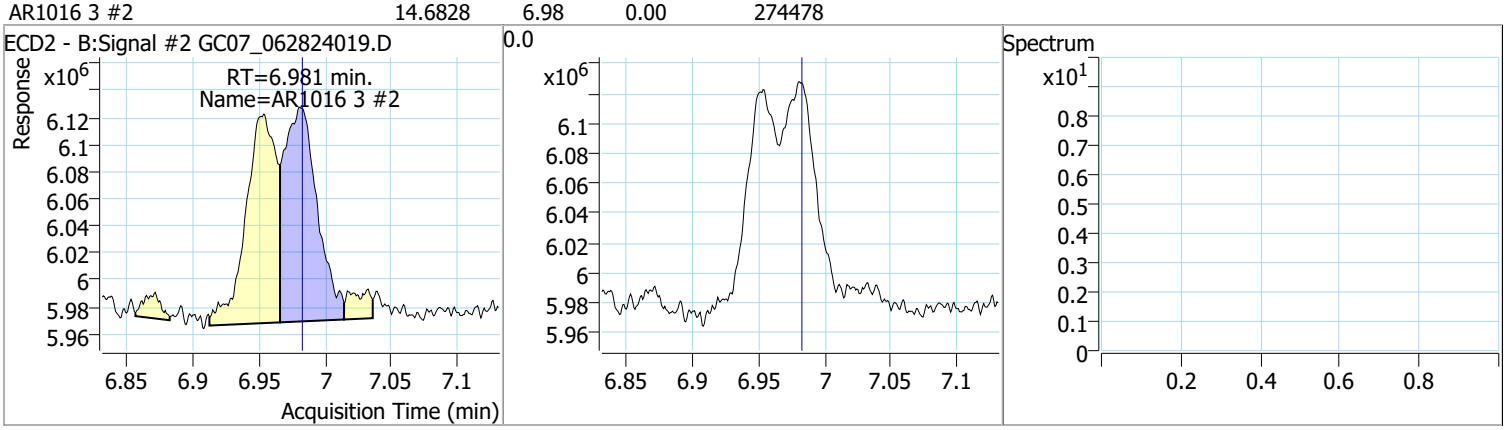
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.0199	6.49	0.00	523436				



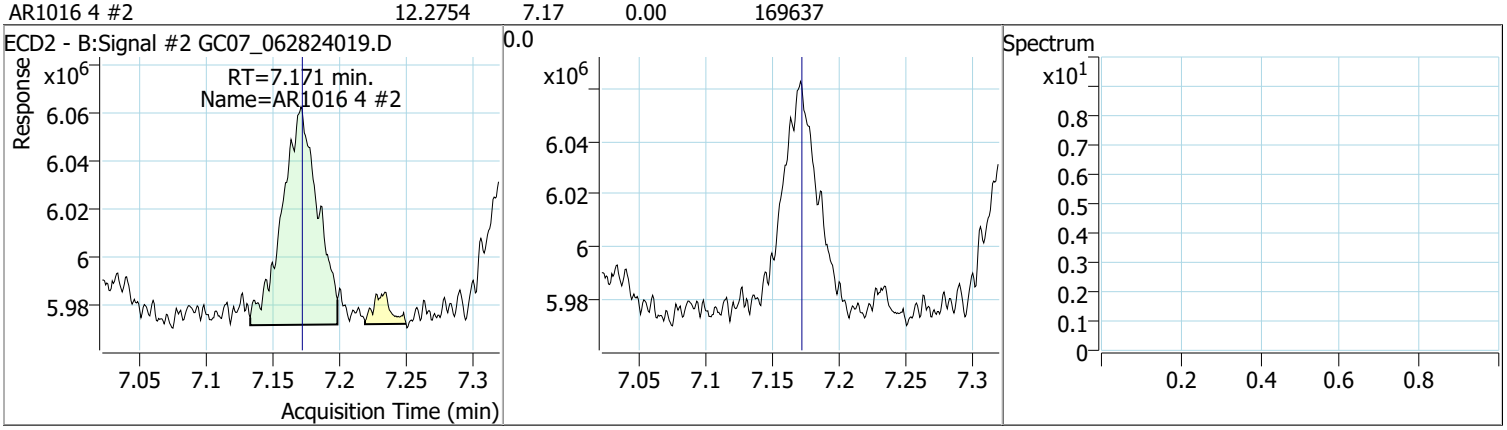
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.6679	6.98	0.00	382914				



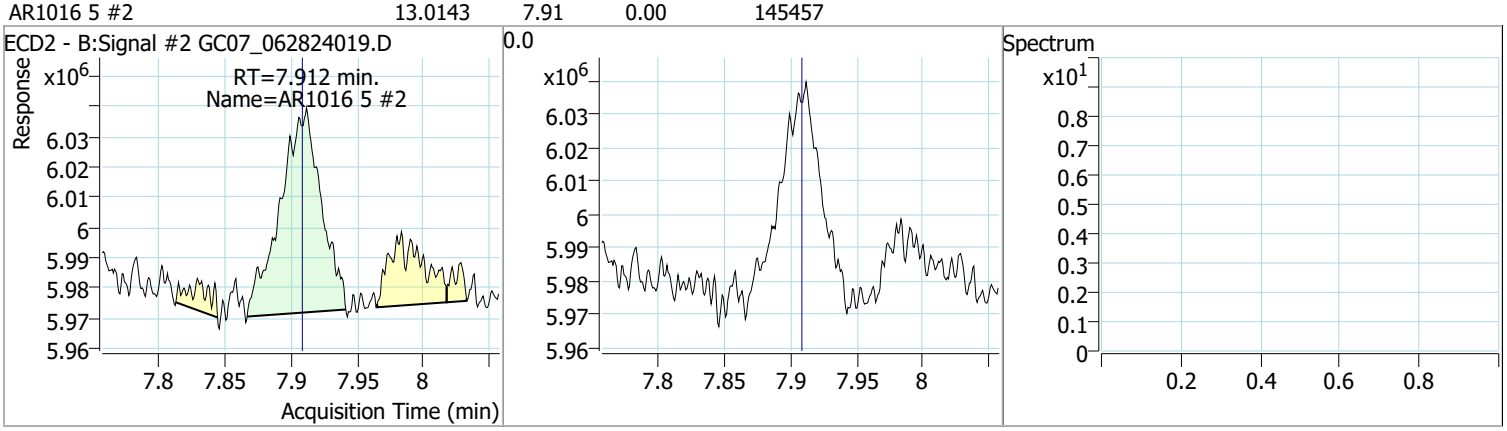
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	14.6828	6.98	0.00	274478				



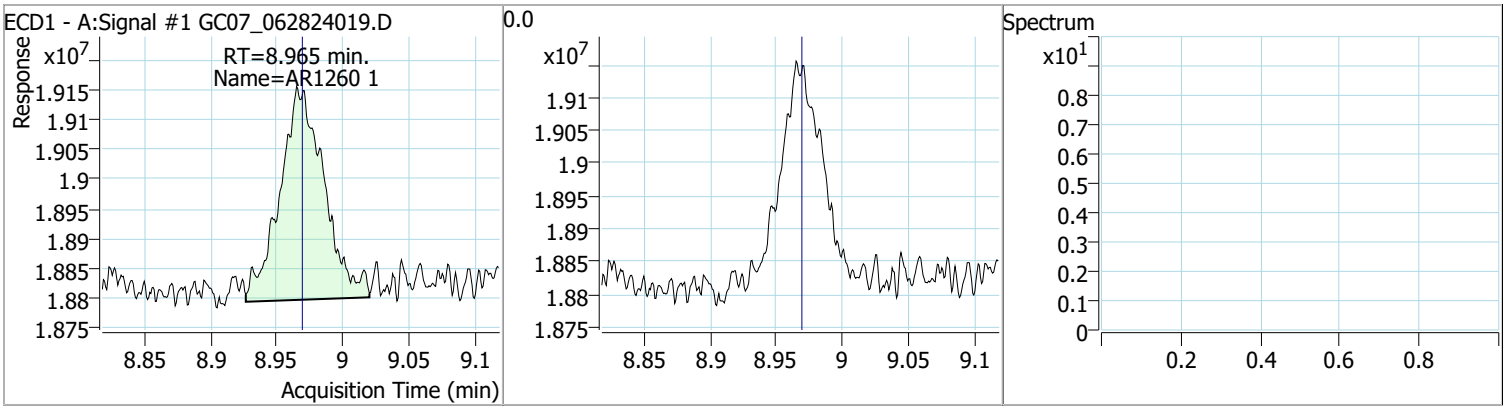
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	12.2754	7.17	0.00	169637				



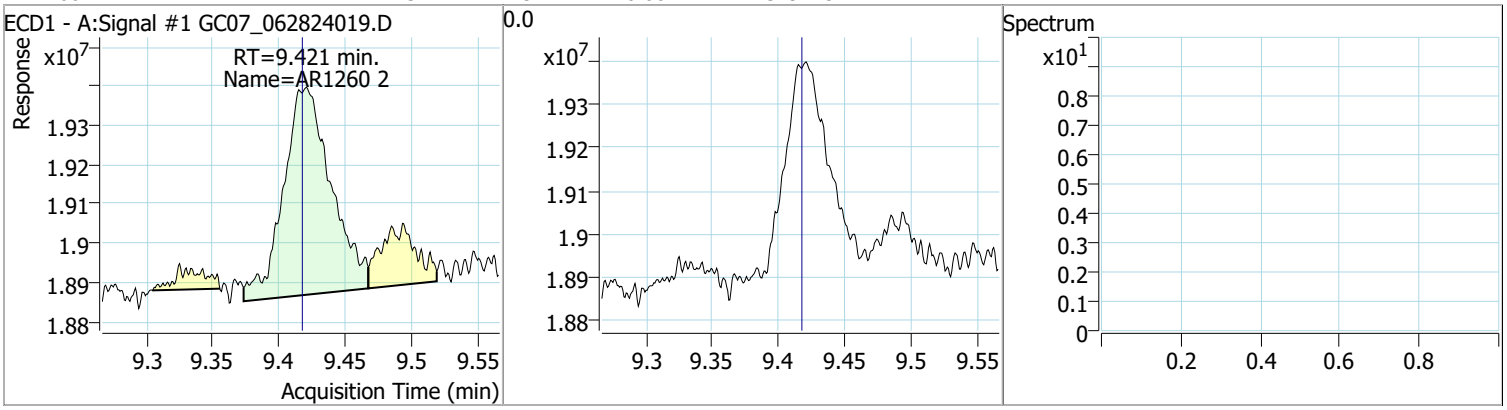
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	13.0143	7.91	0.00	145457				



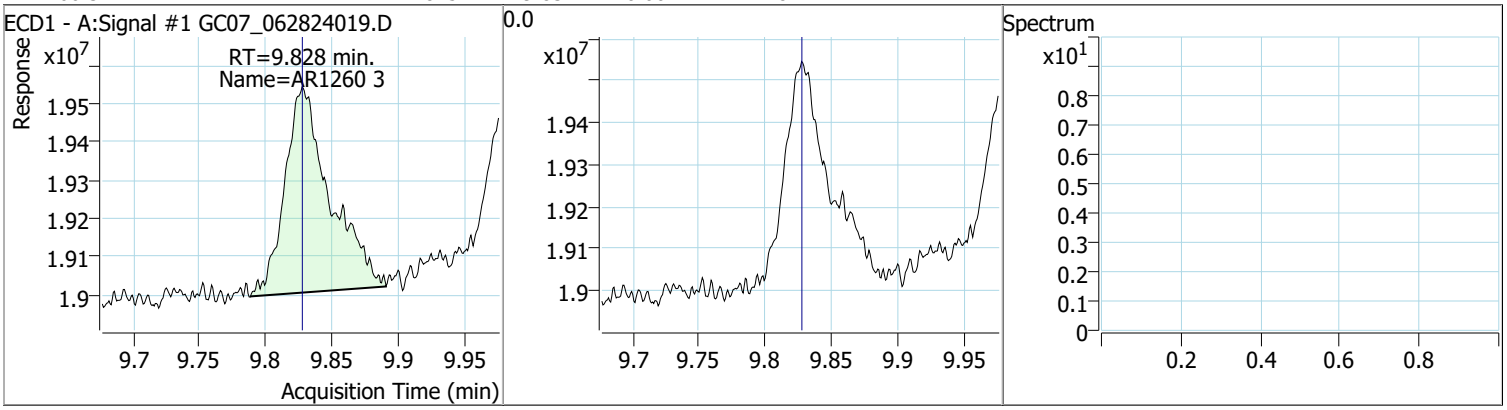
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	12.6199	8.97	0.00	830631				



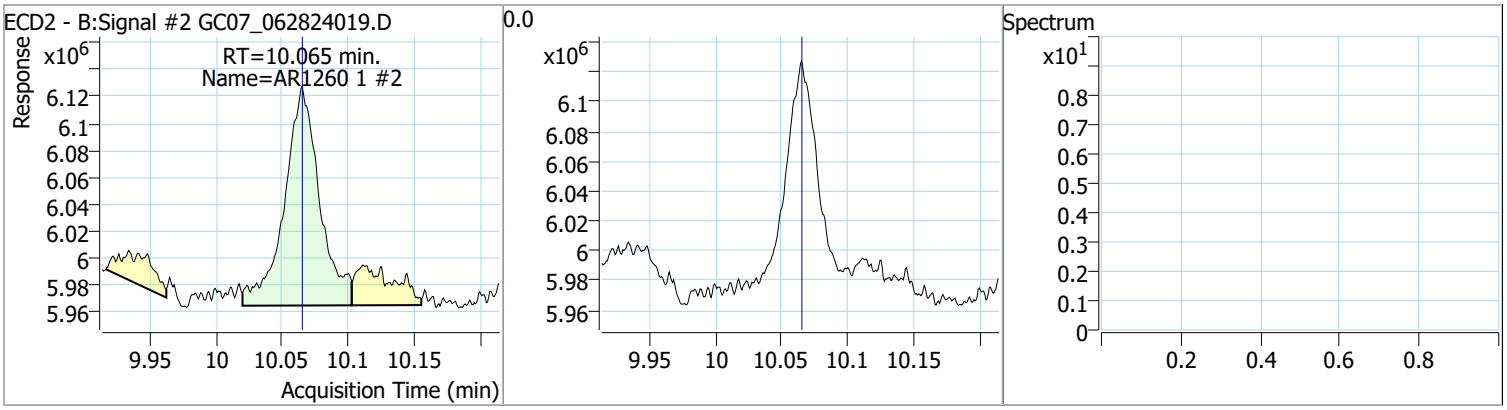
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	13.2227	9.42	0.00	1329215				



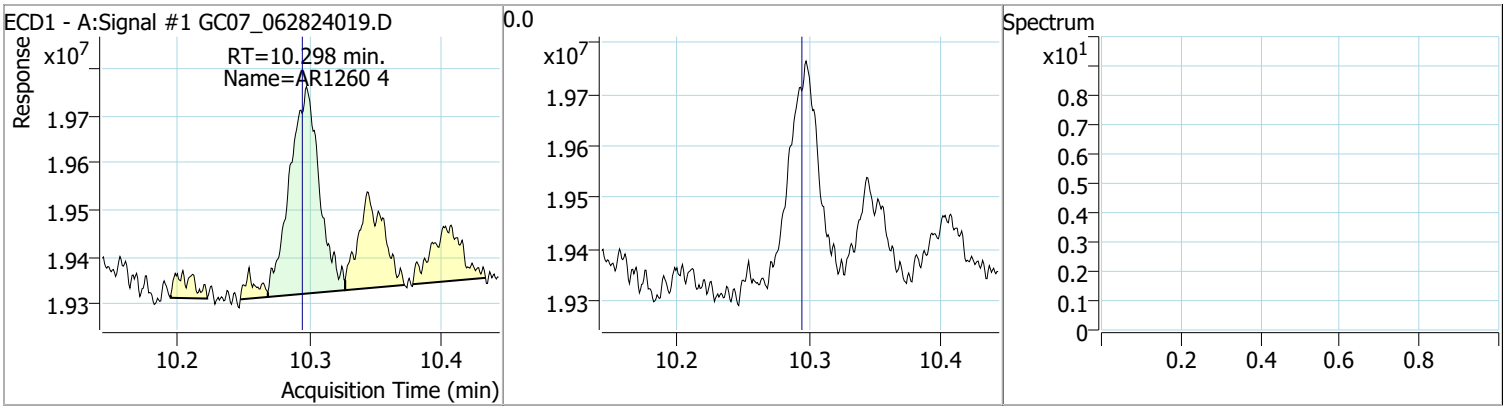
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.8452	9.83	0.00	1281172				



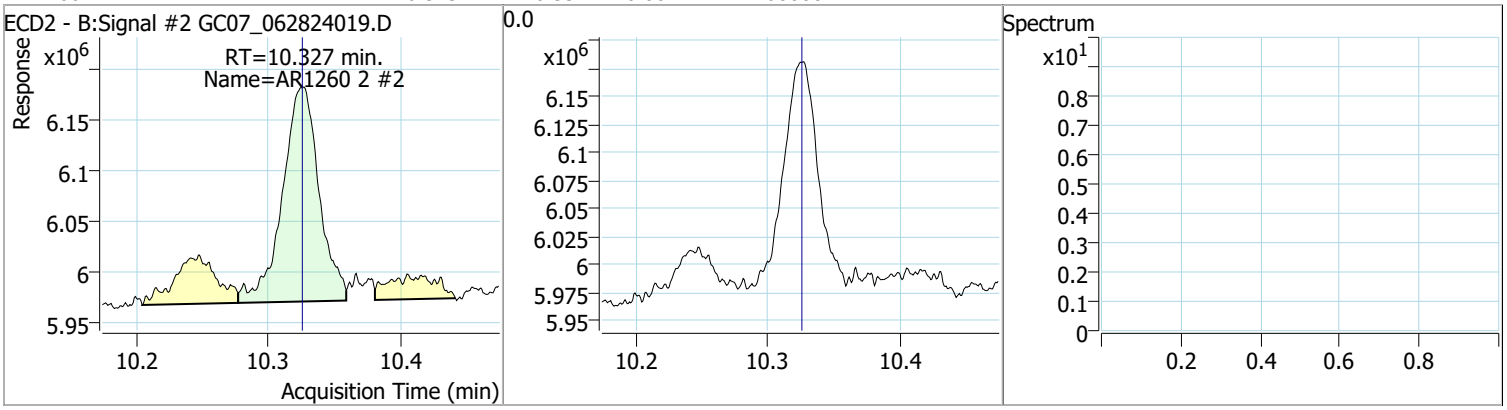
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	15.1419	10.07	0.00	300993				



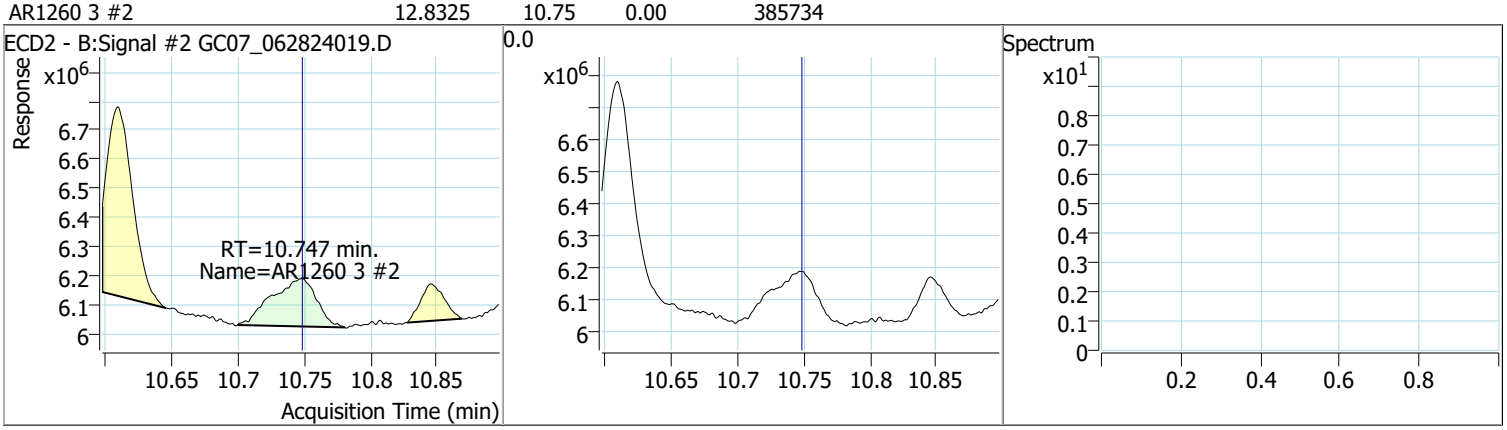
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.0179	10.30	0.00	688962				



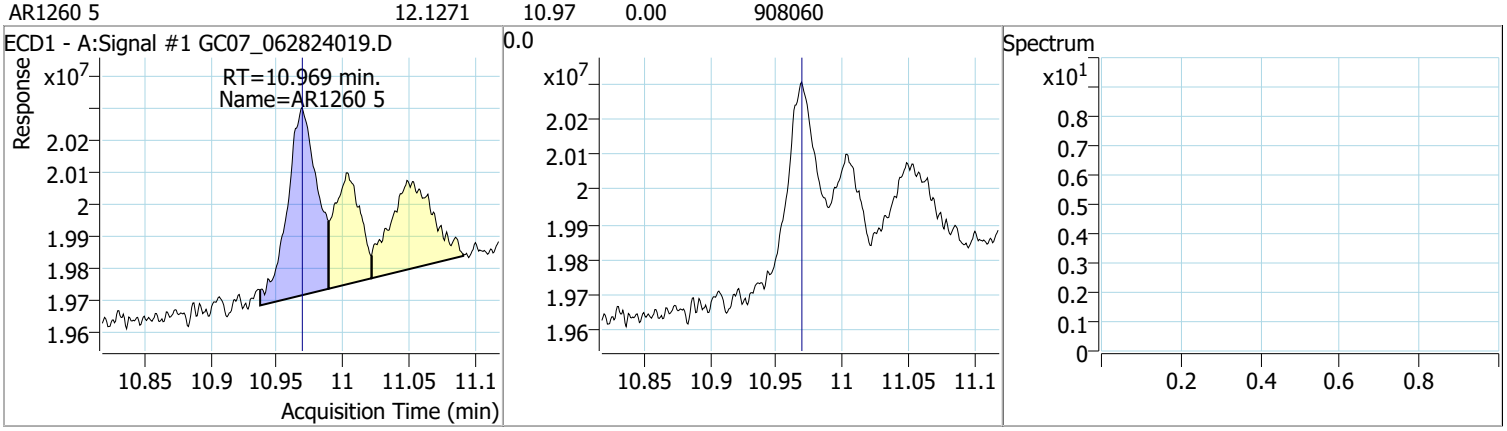
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.3737	10.33	0.00	408888				



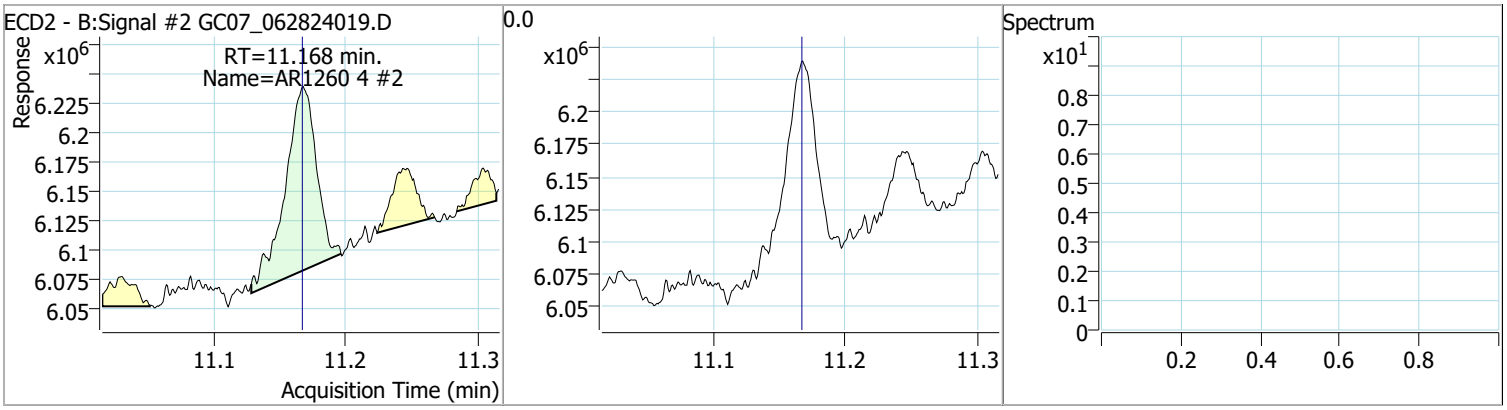
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.8325	10.75	0.00	385734				



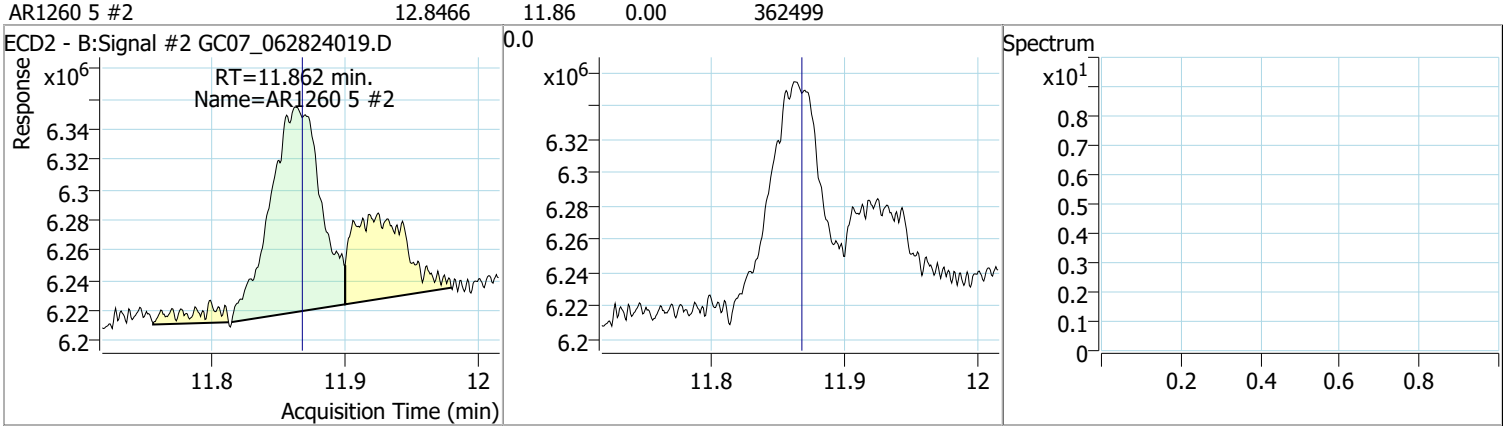
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.1271	10.97	0.00	908060				



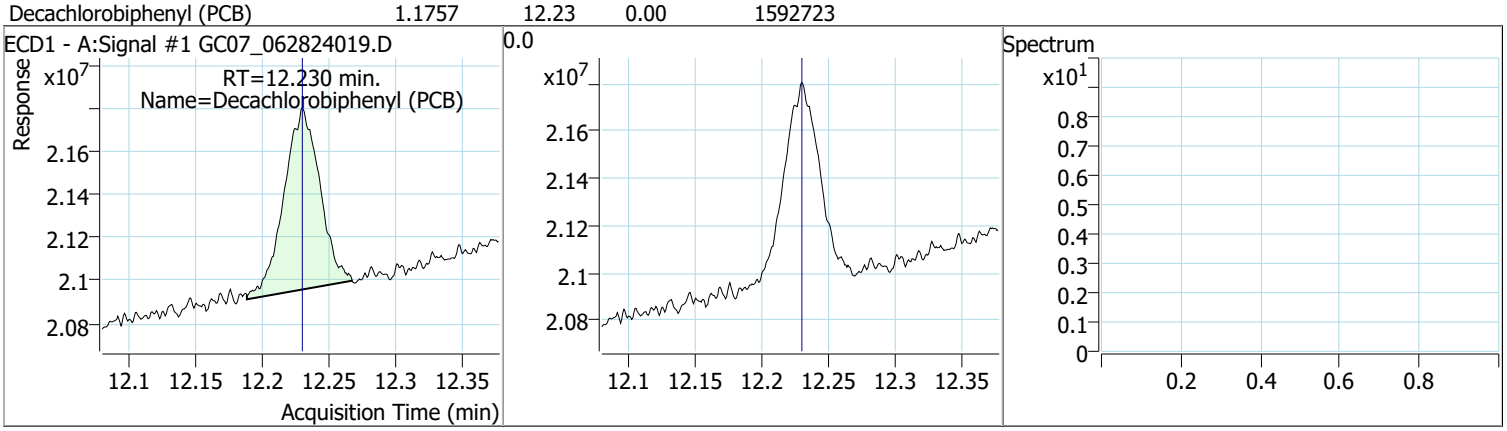
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.6150	11.17	0.00	258782				



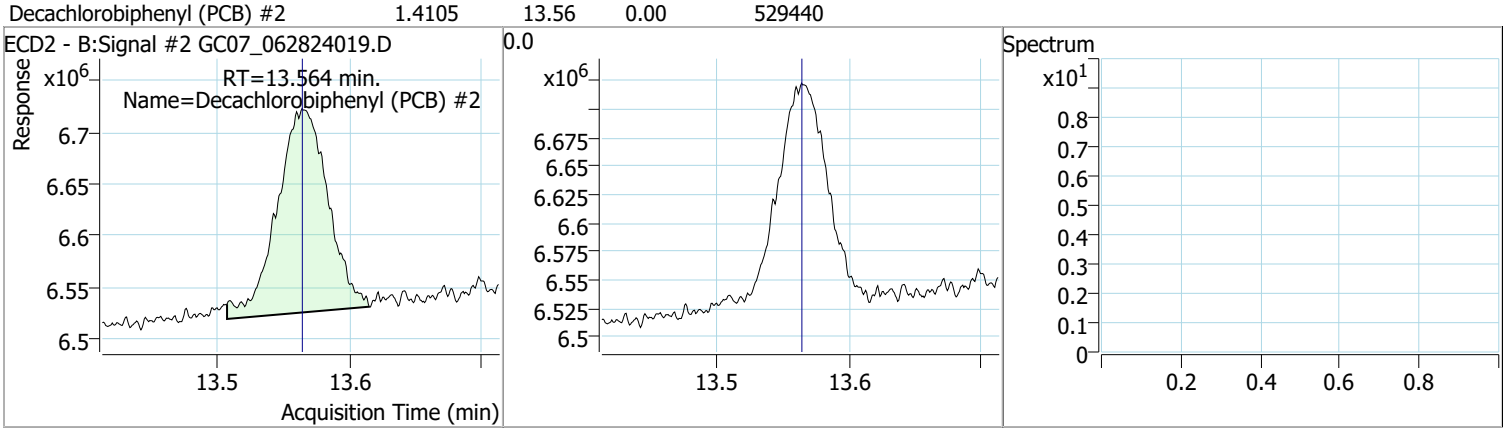
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8466	11.86	0.00	362499				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1757	12.23	0.00	1592723				

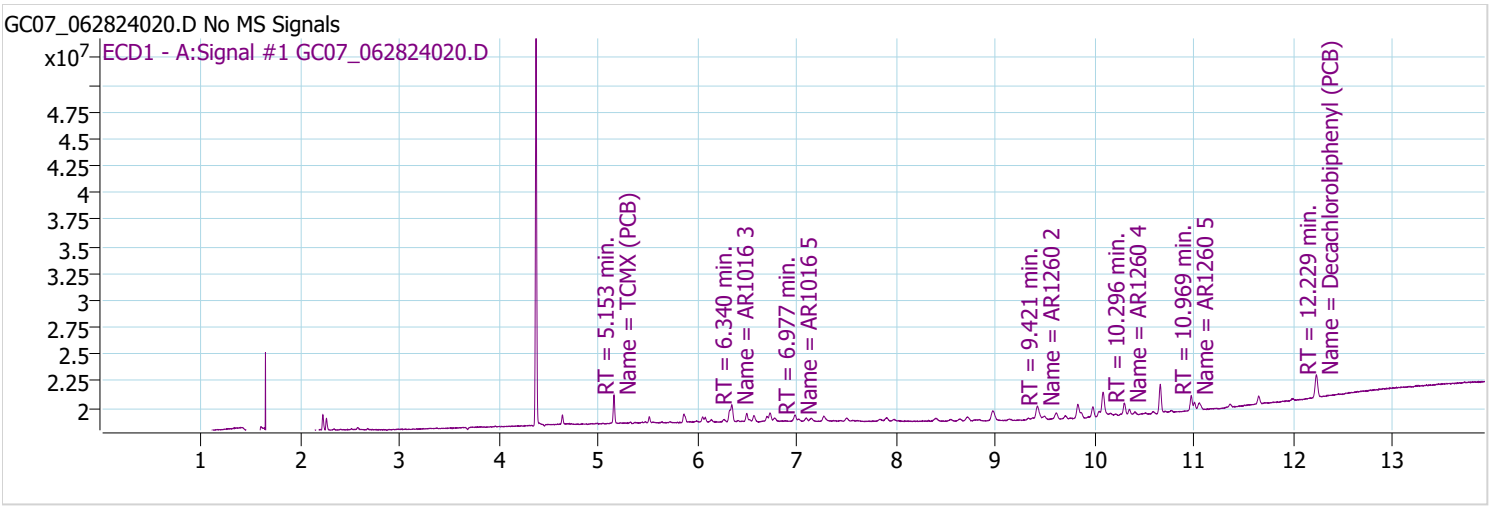


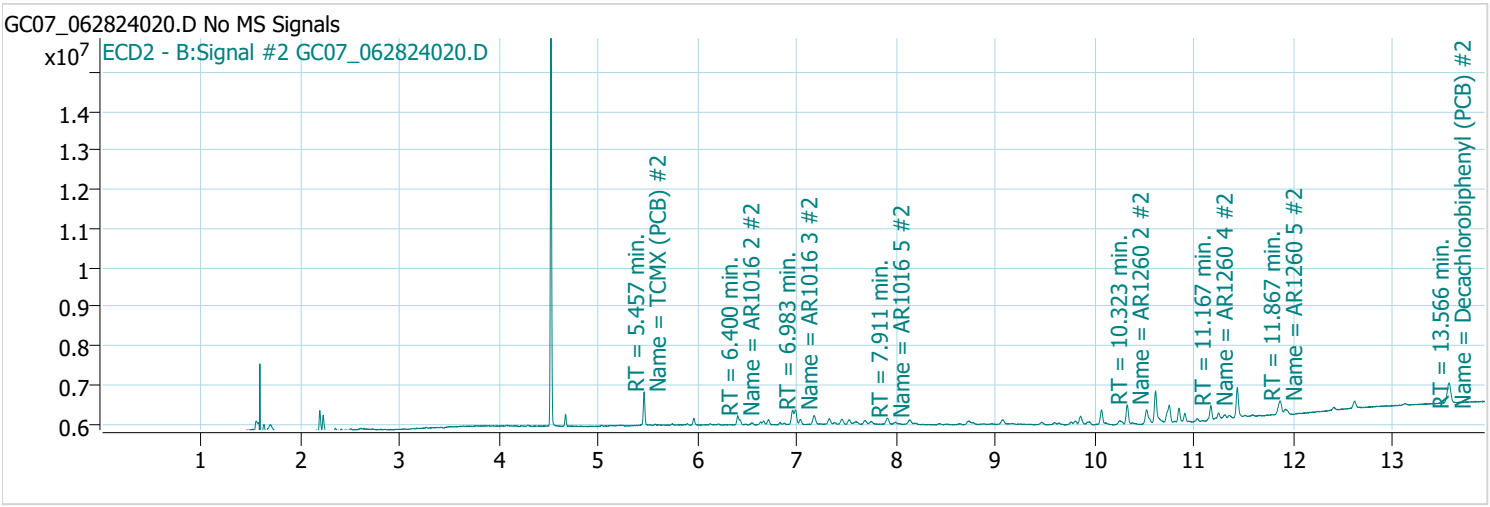
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.4105	13.56	0.00	529440				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:03:54 PM
Sample Name	ICAL, S20883	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



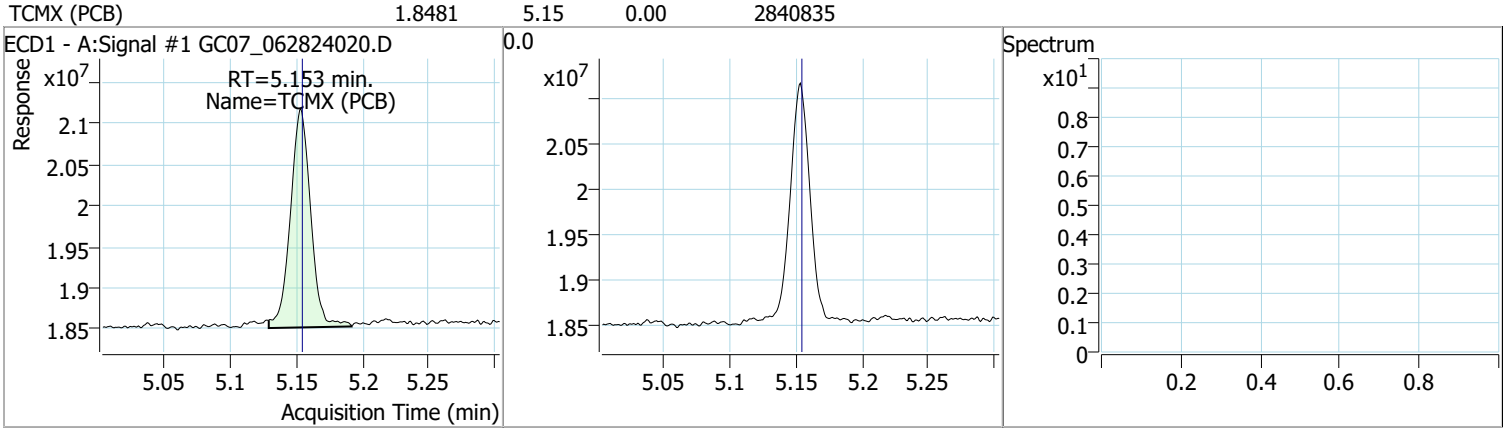


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	32813773.536	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9060765.116	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	2840834.540	1.8481	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.24%		*	
S TCMX (PCB) #2	5.457	0.0	959453.181	2.2077	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.04%		*	
S Decachlorobiphenyl (PCB)	12.229	0.0	3958101.061	2.1878	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	1322291.570	2.6713	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.36%		*	
Target Compounds							QValue
T AR1016 1	5.508	0.0	778021.224	27.1254	ng/ml		100

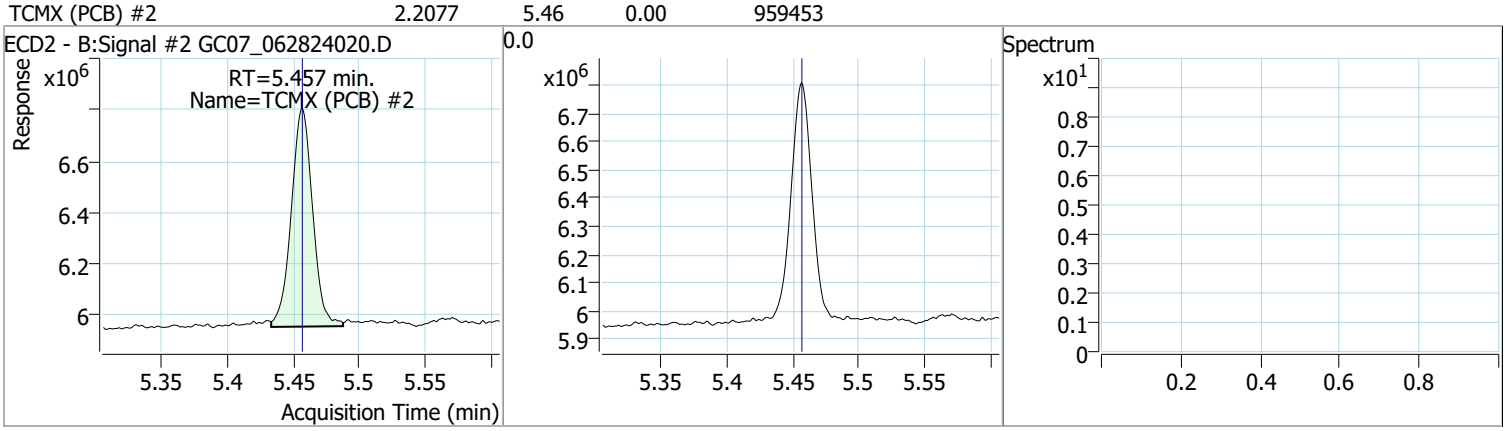
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.858	0.0	1328254.498	22.2917	ng/ml		100
T AR1016 1 #2	5.959	0.0	234191.399	24.4795	ng/ml		100
T AR1016 3	6.340	0.0	2571625.561	34.4007	ng/ml	m	100
T AR1016 2 #2	6.400	0.0	499061.047	25.2488	ng/ml		100
T AR1016 4	6.492	0.0	1099340.852	22.0491	ng/ml	m	100
T AR1016 5	6.977	0.0	1000156.918	22.8210	ng/ml		100
T AR1016 3 #2	6.983	0.0	636605.373	25.8238	ng/ml		100
T AR1016 4 #2	7.170	0.0	451066.540	24.7519	ng/ml		100
T AR1016 5 #2	7.911	0.0	330412.358	22.4177	ng/ml		100
T AR1260 1	8.971	0.0	2419291.681	27.5240	ng/ml		100
T AR1260 2	9.421	0.0	3049907.638	22.7190	ng/ml		100
T AR1260 3	9.827	0.0	3105274.279	21.4986	ng/ml	m	100
T AR1260 1 #2	10.066	0.0	707182.644	26.9777	ng/ml		100
T AR1260 4	10.296	0.0	1916354.860	22.9487	ng/ml		100
T AR1260 2 #2	10.323	0.0	876957.107	26.6300	ng/ml		100
T AR1260 3 #2	10.747	0.0	960062.850	24.2200	ng/ml		100
T AR1260 5	10.969	0.0	2085632.219	20.8573	ng/ml		100
T AR1260 4 #2	11.167	0.0	448239.327	17.8832	ng/ml		100
T AR1260 5 #2	11.867	0.0	881344.046	23.6852	ng/ml		100

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

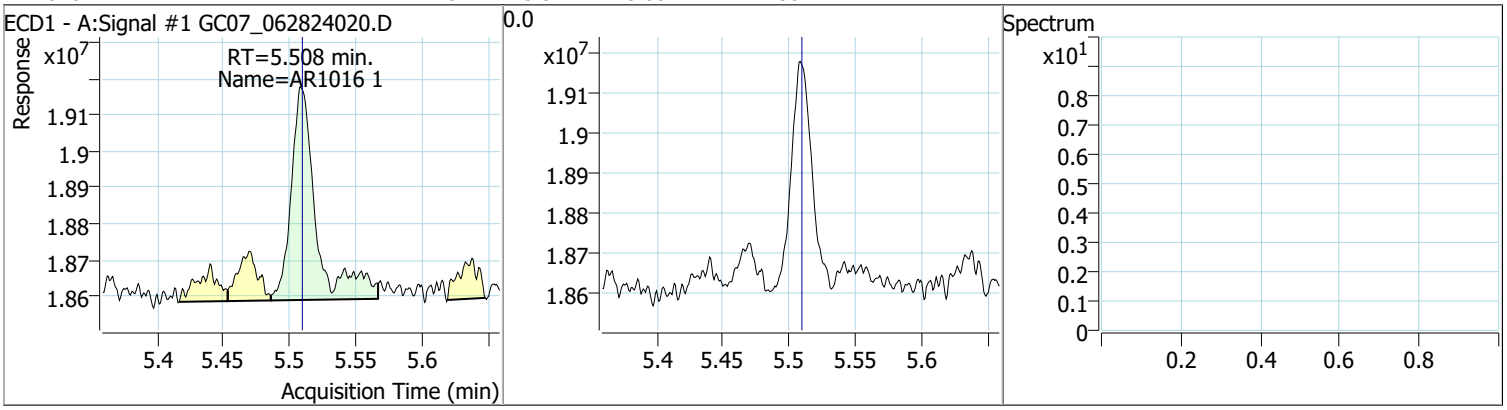
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8481	5.15	0.00	2840835				



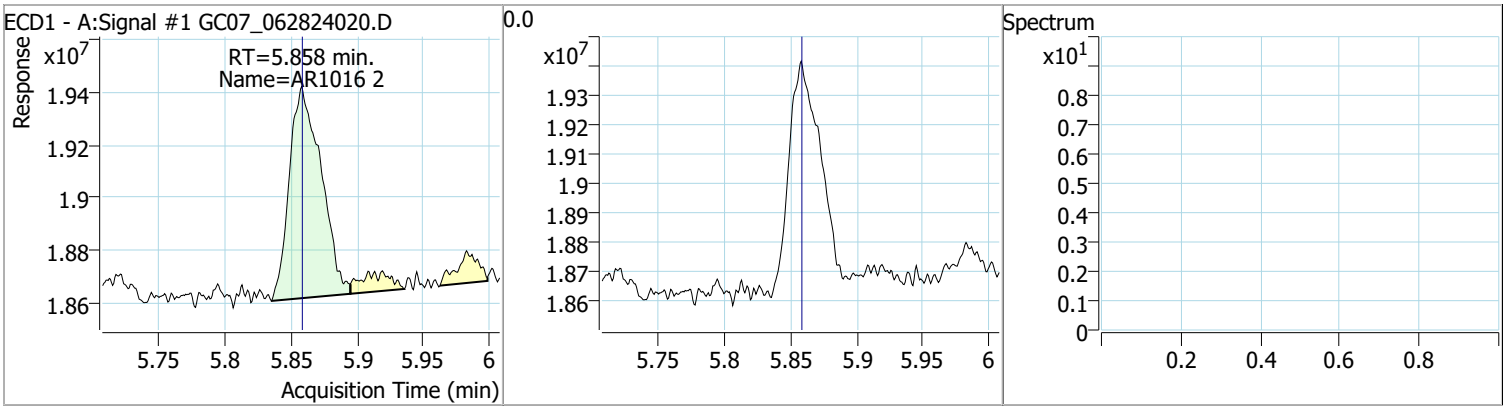
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.2077	5.46	0.00	959453				



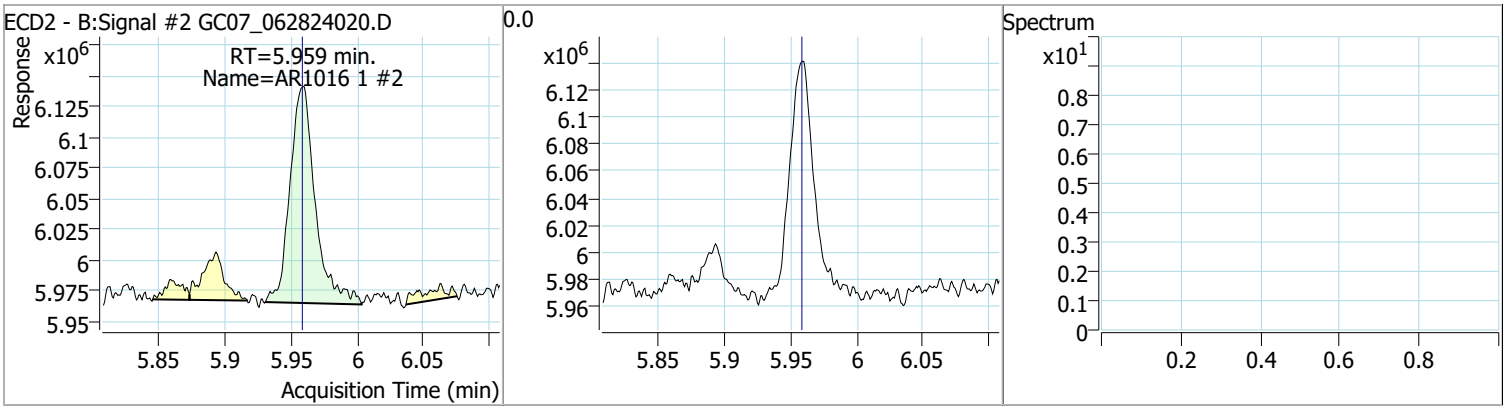
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.1254	5.51	0.00	778021				



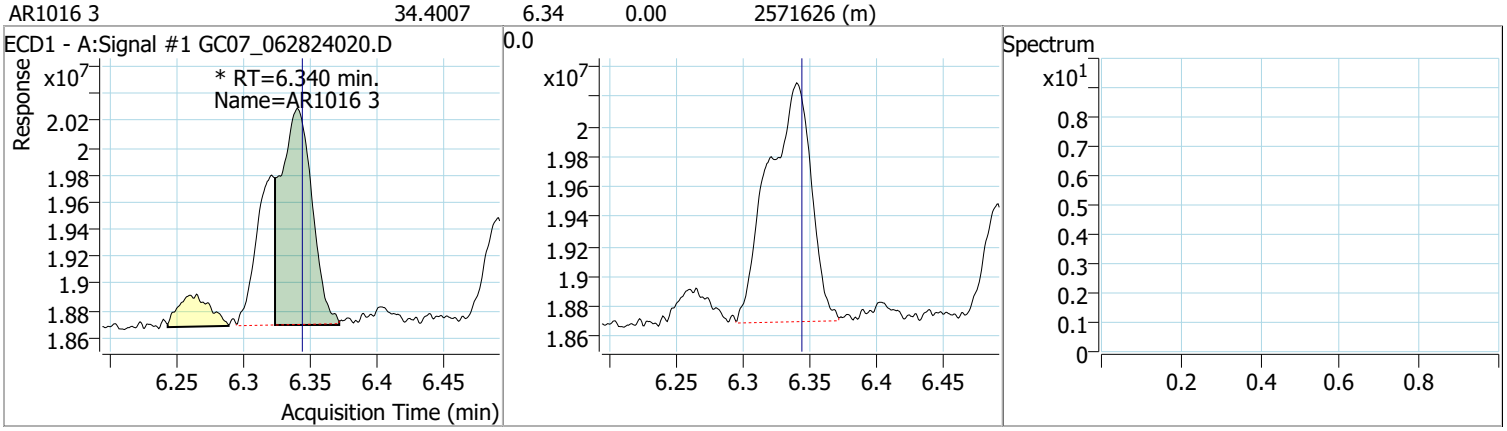
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.2917	5.86	0.00	1328254				



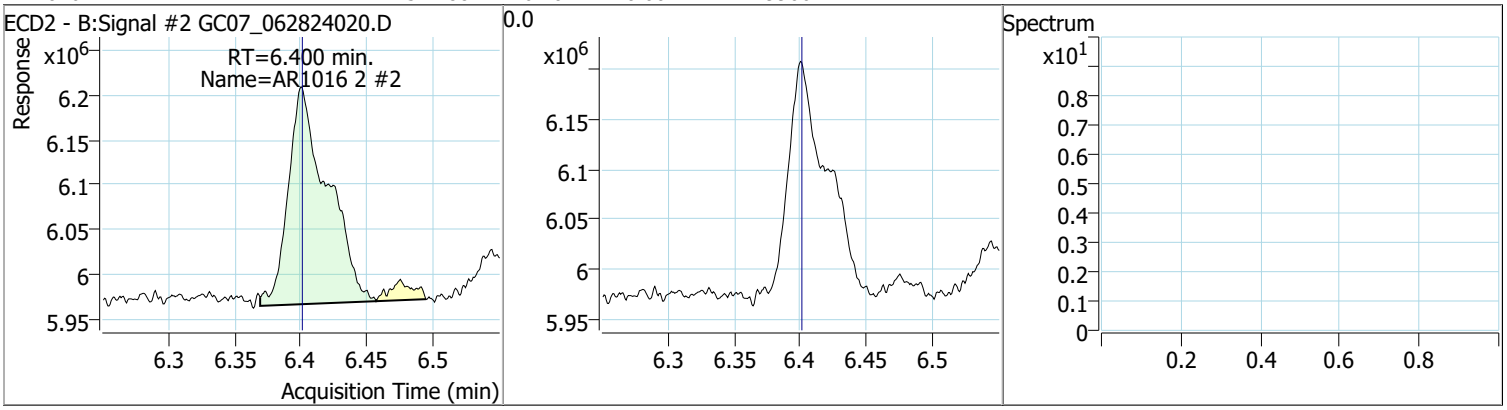
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.4795	5.96	0.00	234191				



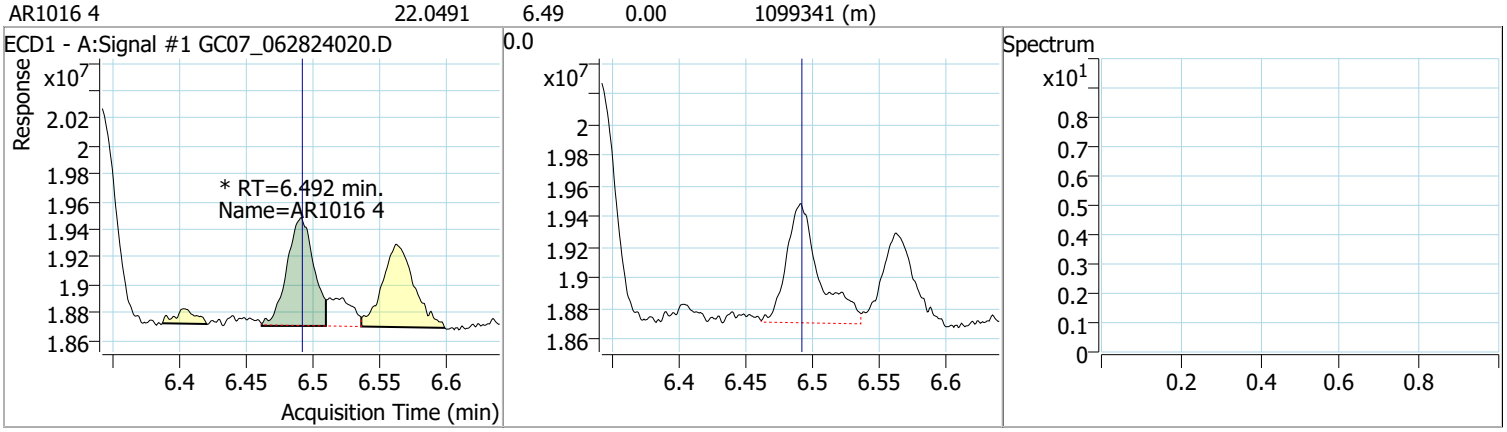
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4007	6.34	0.00	2571626 (m)				



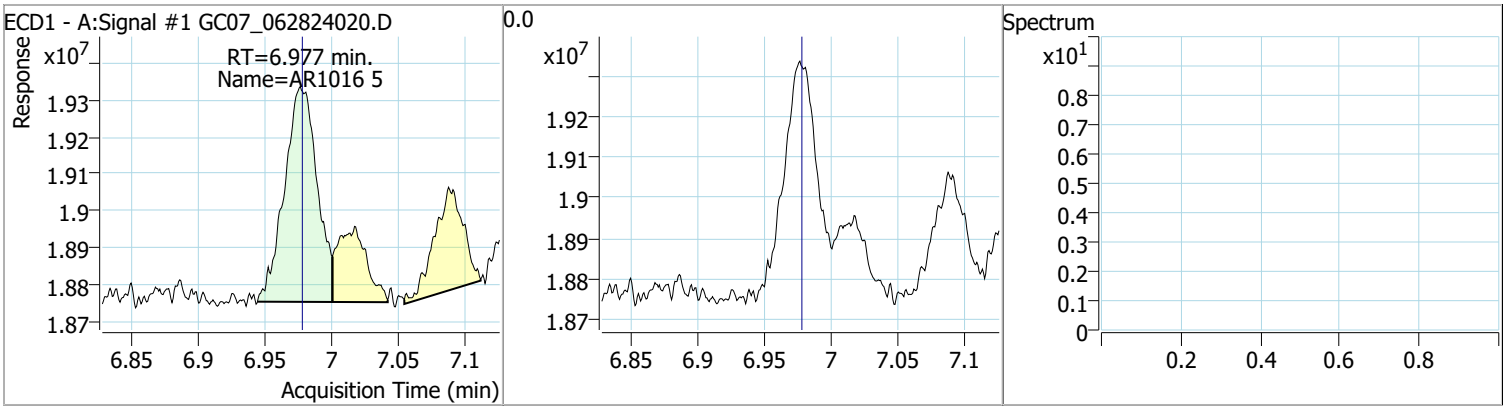
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.2488	6.40	0.00	499061				



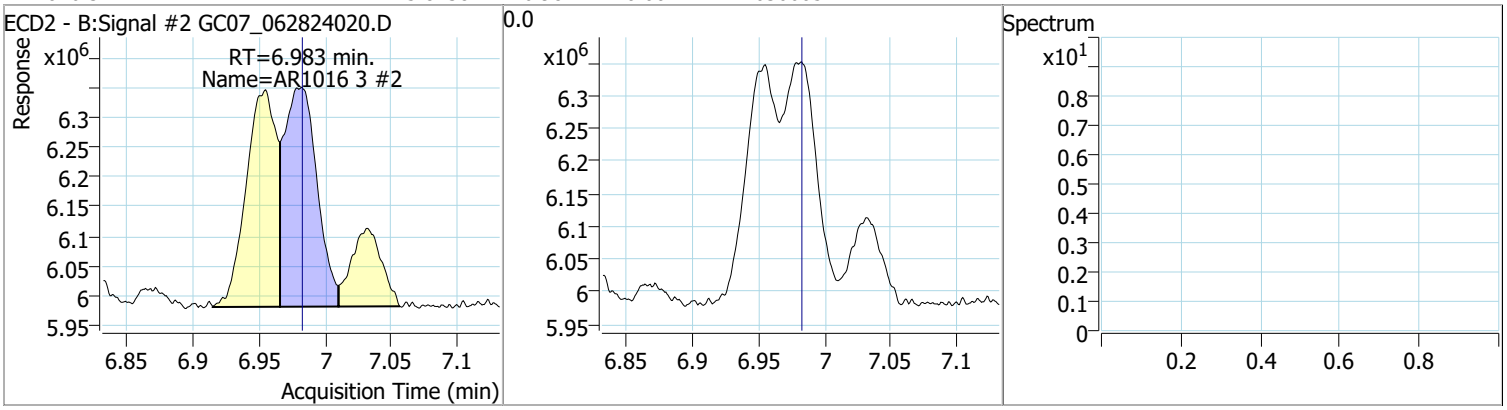
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.0491	6.49	0.00	1099341 (m)				



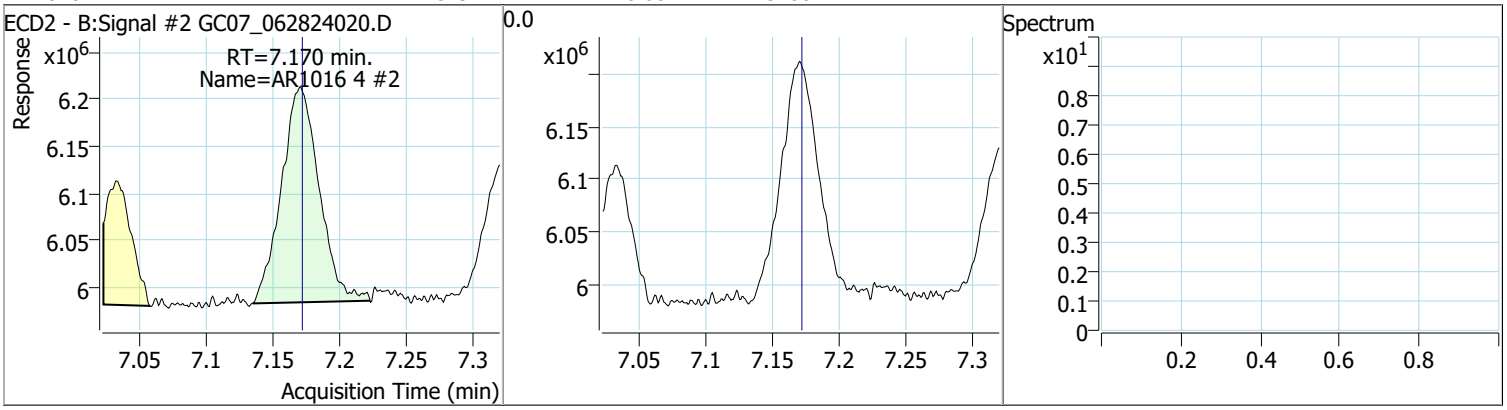
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8210	6.98	0.00	1000157				



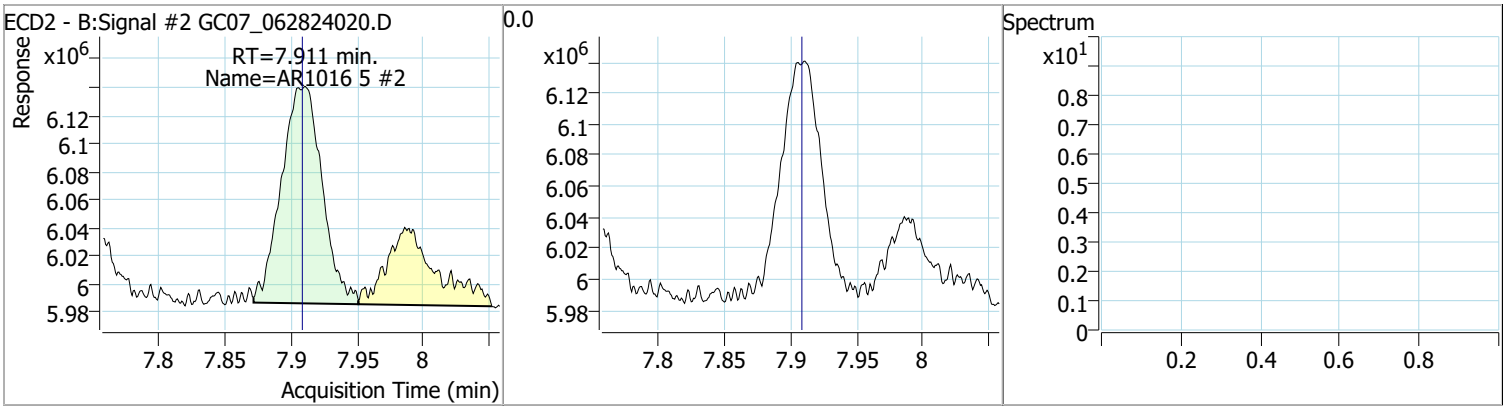
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AR1016 3 #2	25.8238	6.98	0.00	636605				



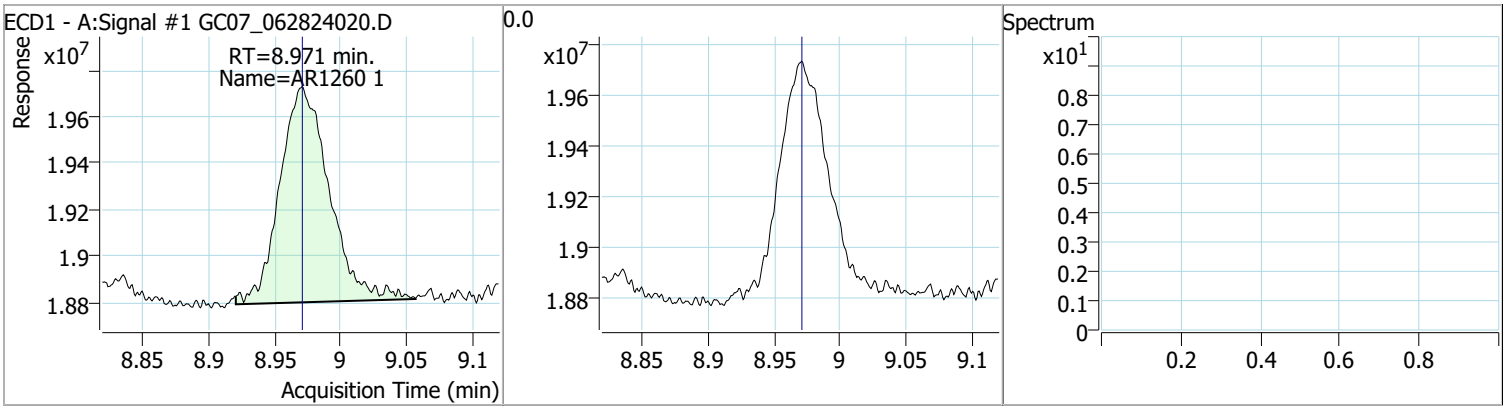
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AR1016 4 #2	24.7519	7.17	0.00	451067				



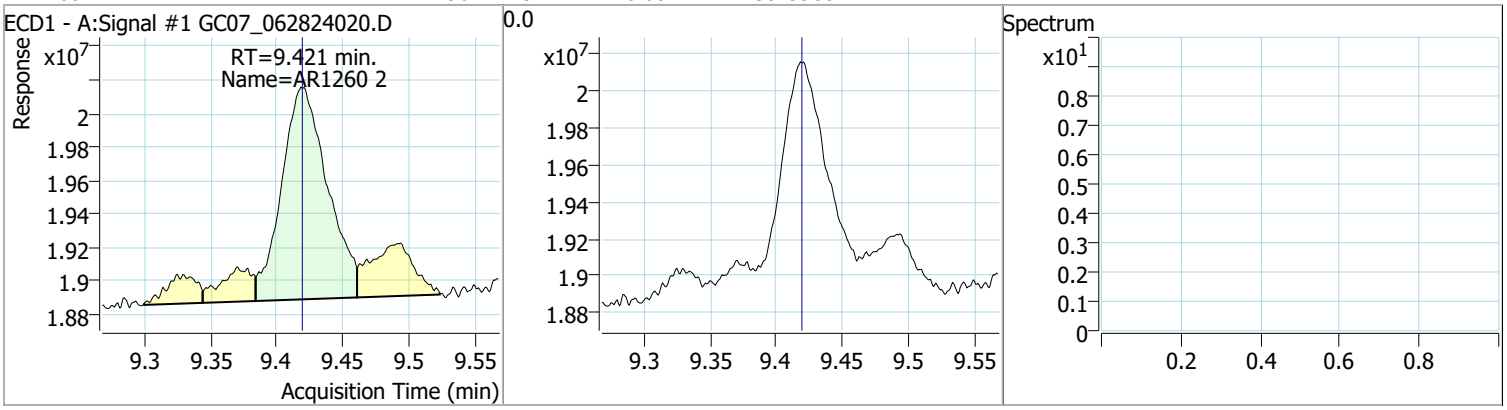
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AR1016 5 #2	22.4177	7.91	0.00	330412				



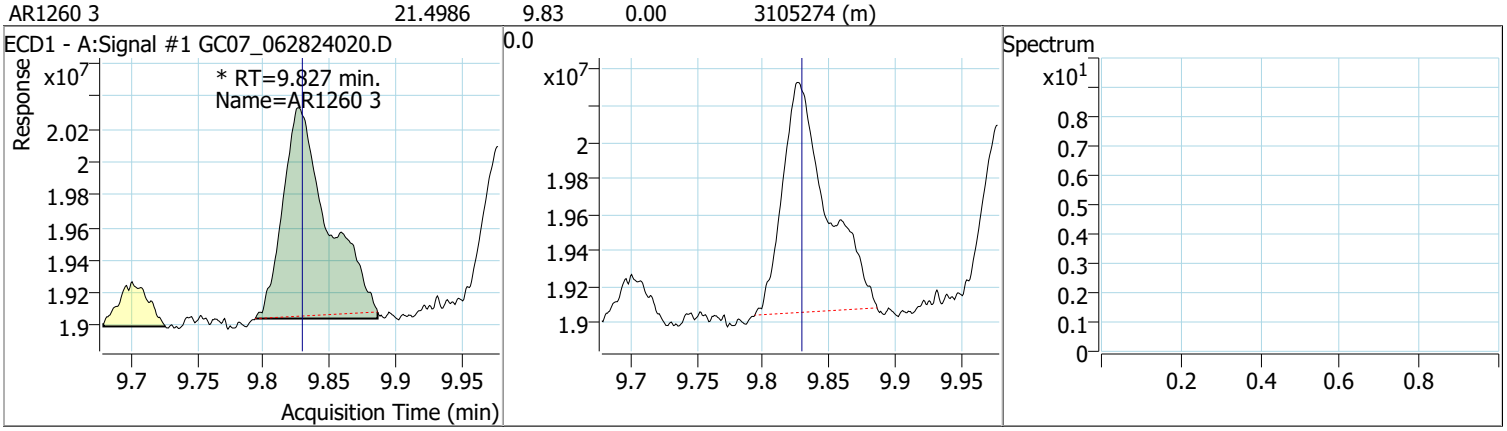
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.5240	8.97	0.00	2419292				



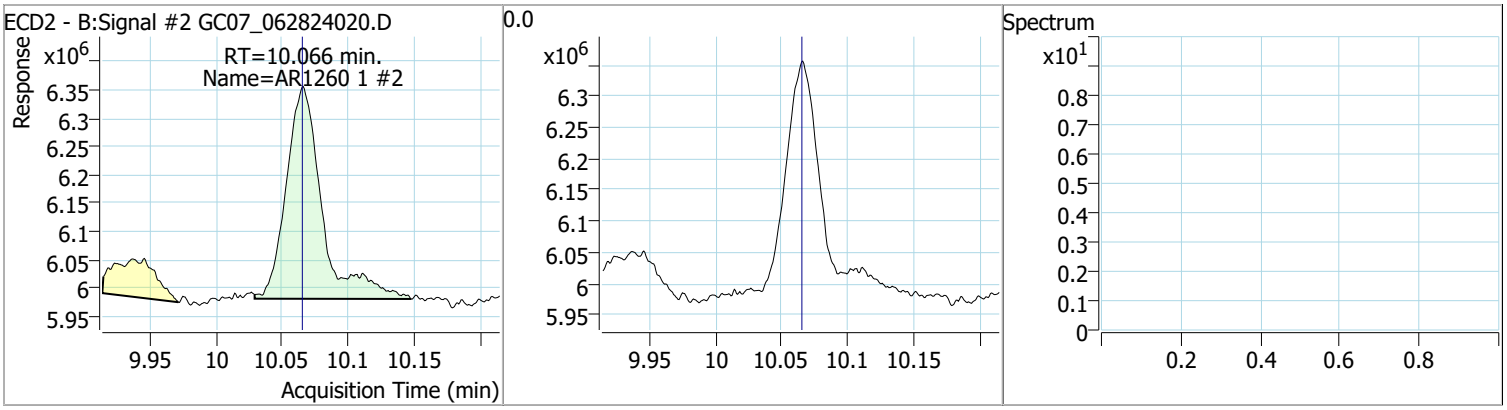
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.7190	9.42	0.00	3049908				



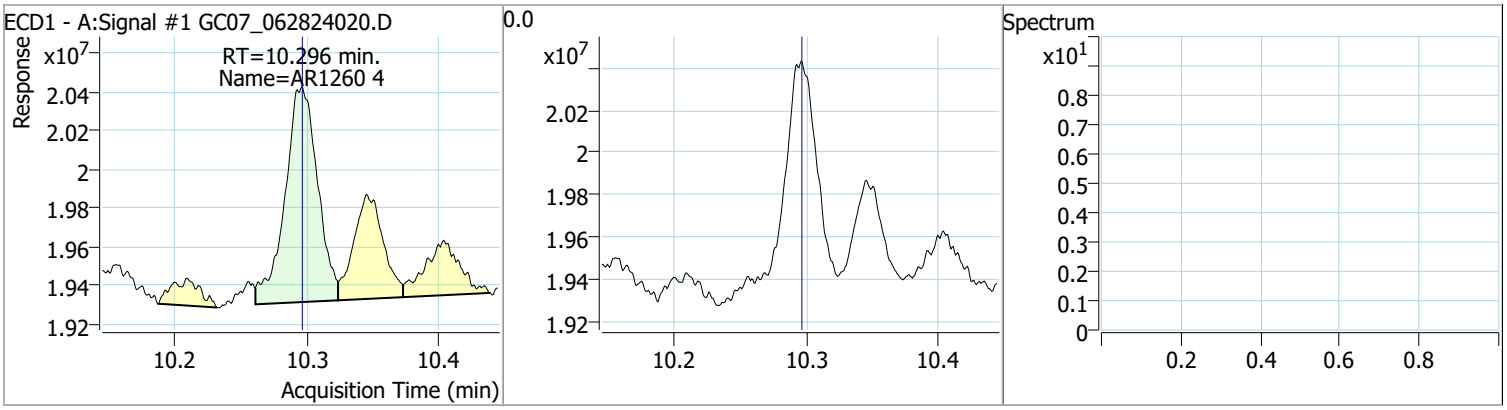
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.4986	9.83	0.00	3105274 (m)				



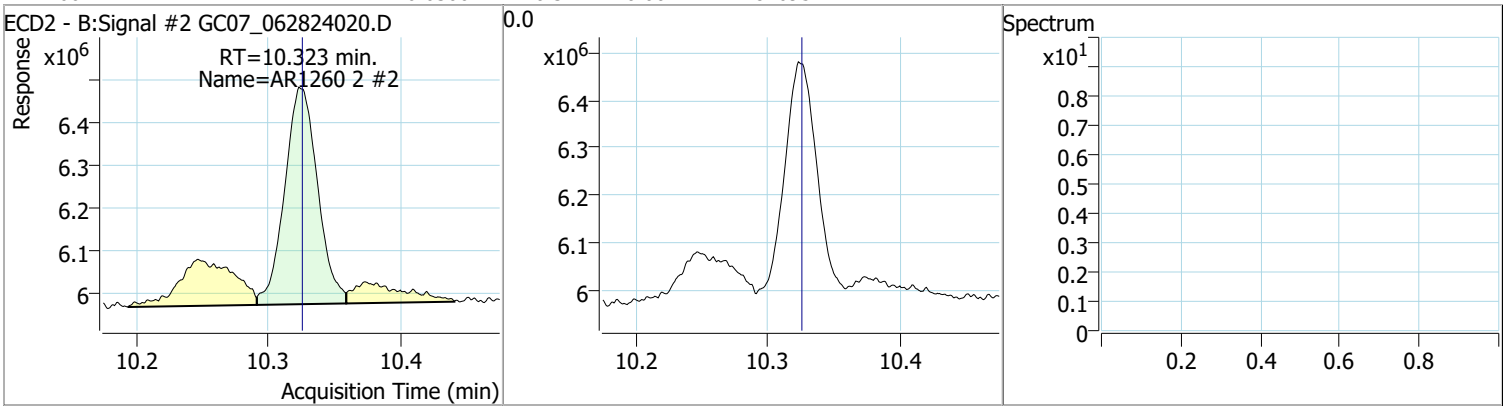
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AR1260 1 #2	26.9777	10.07	0.00	707183				



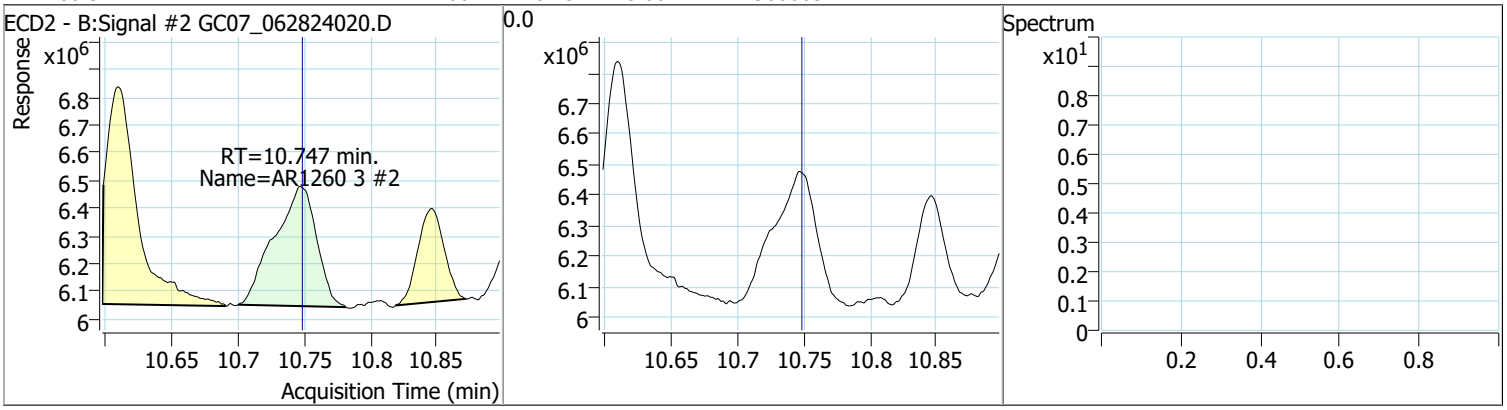
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.9487	10.30	0.00	1916355				



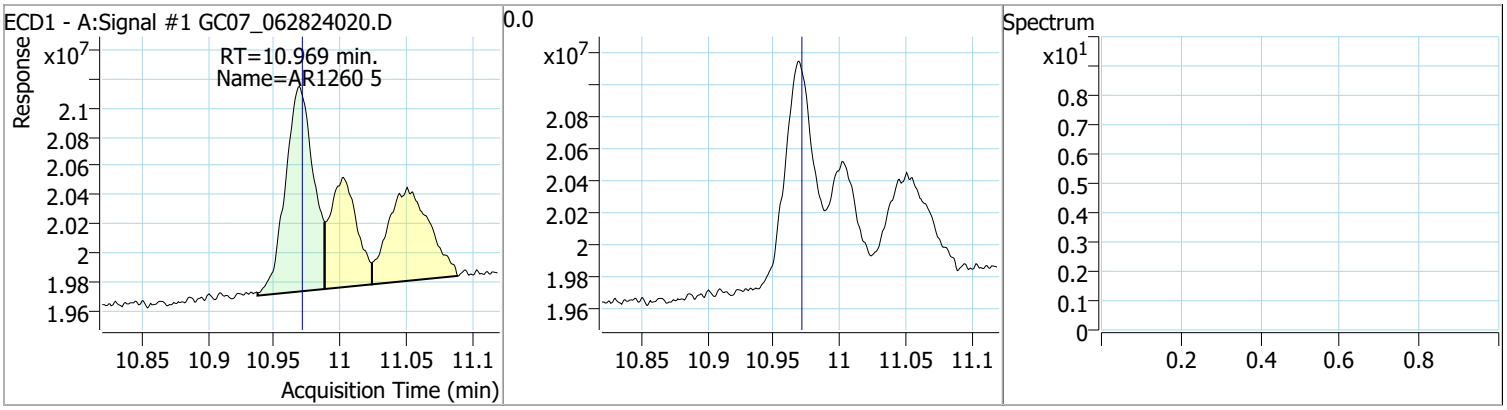
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.6300	10.32	0.00	876957				



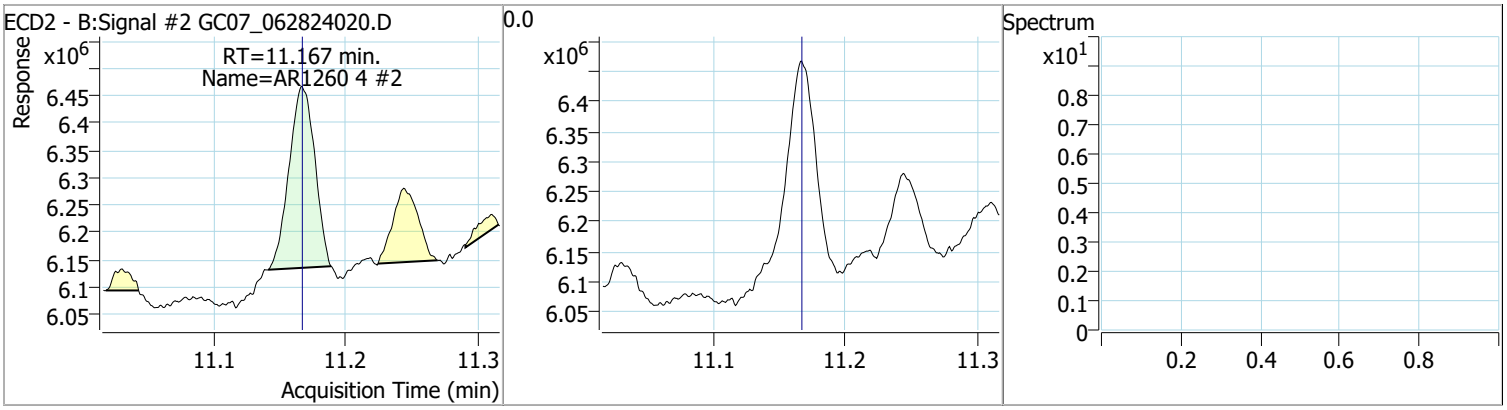
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.2200	10.75	0.00	960063				



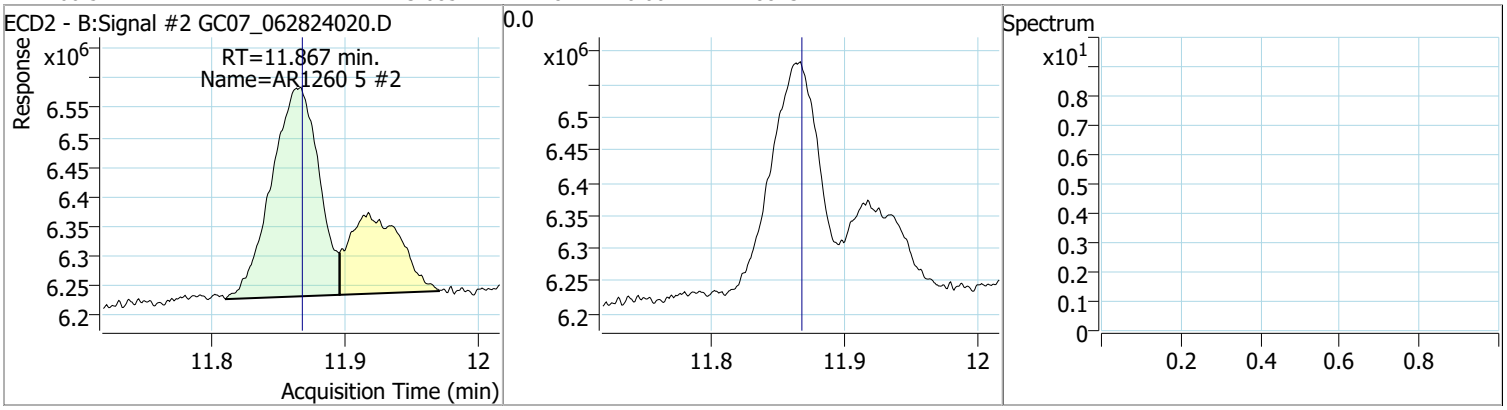
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.8573	10.97	0.00	2085632				



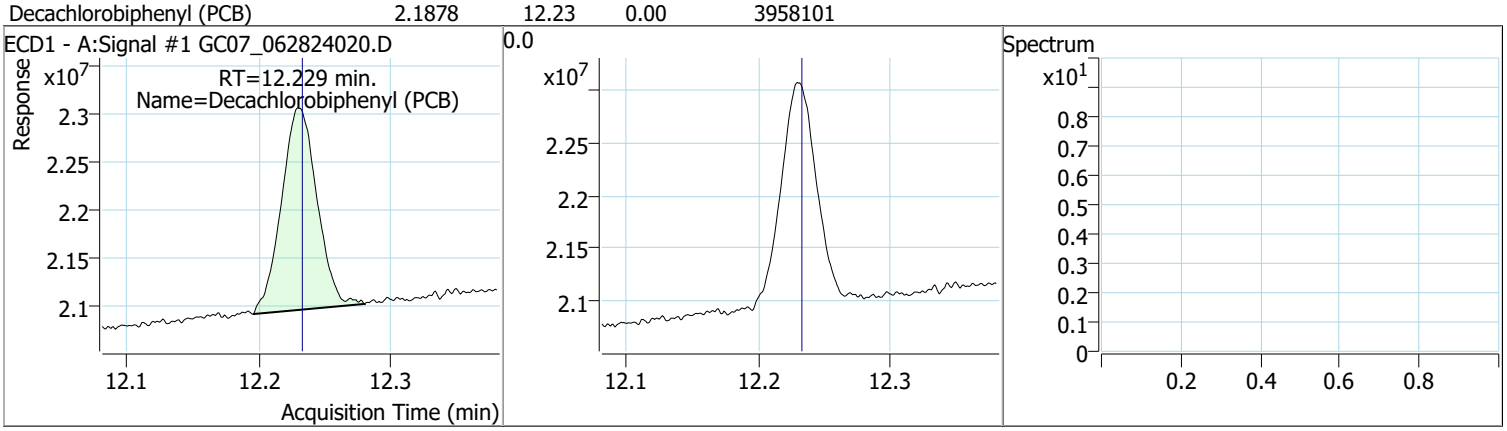
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	17.8832	11.17	0.00	448239				



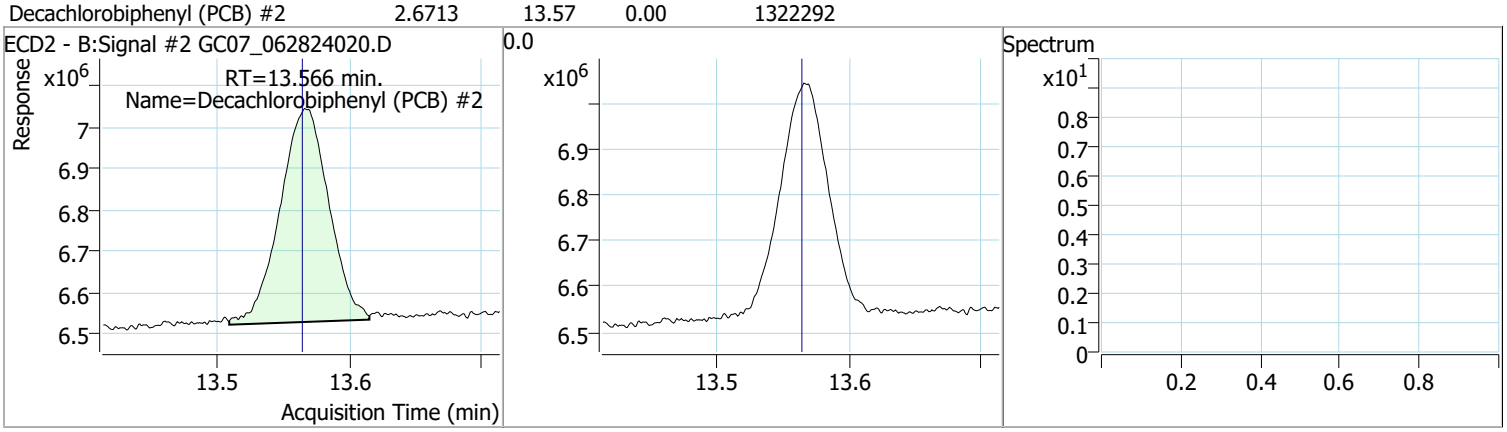
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.6852	11.87	0.00	881344				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1878	12.23	0.00	3958101				

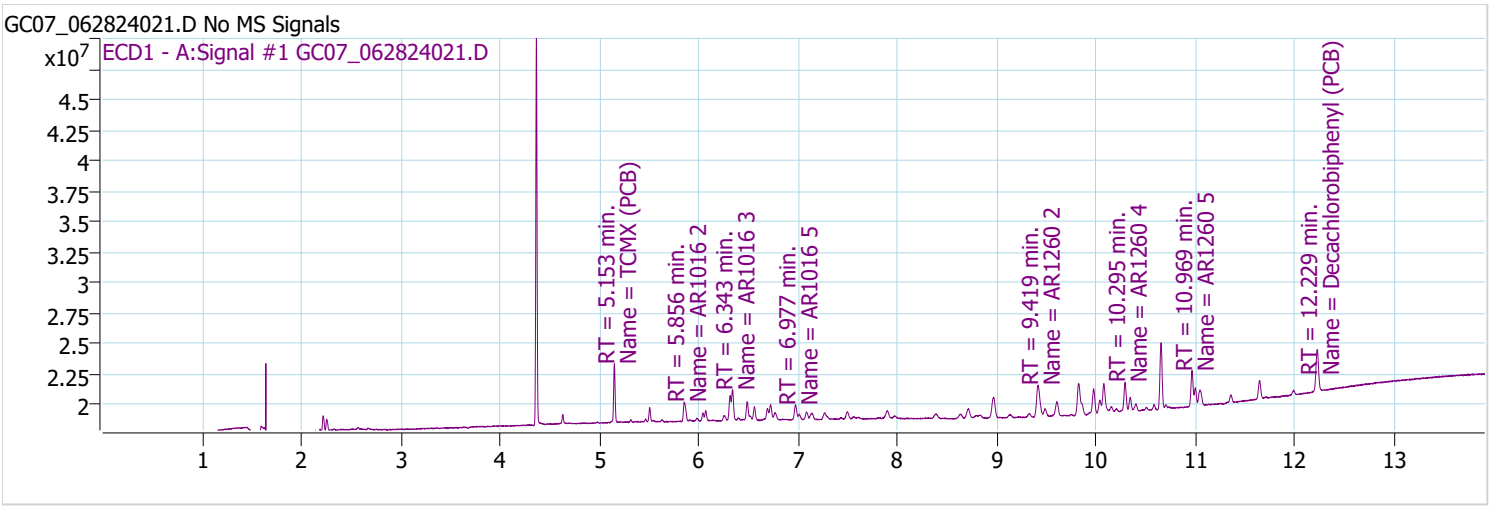


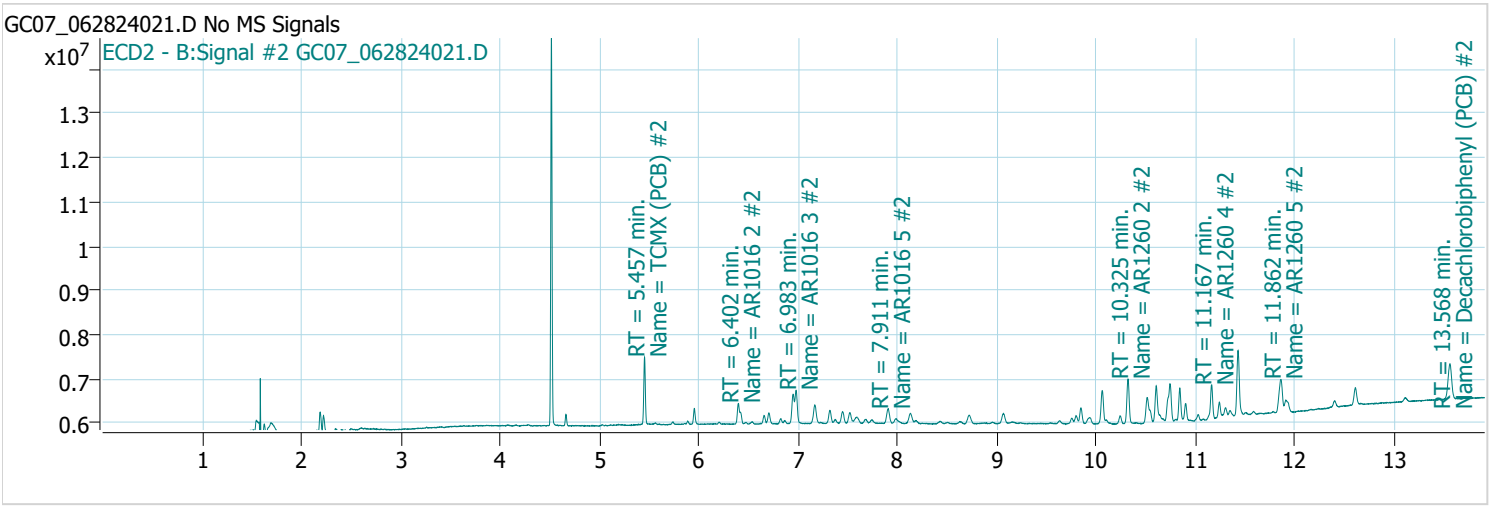
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6713	13.57	0.00	1322292				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:21:15 PM
Sample Name	ICAL, S20884	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



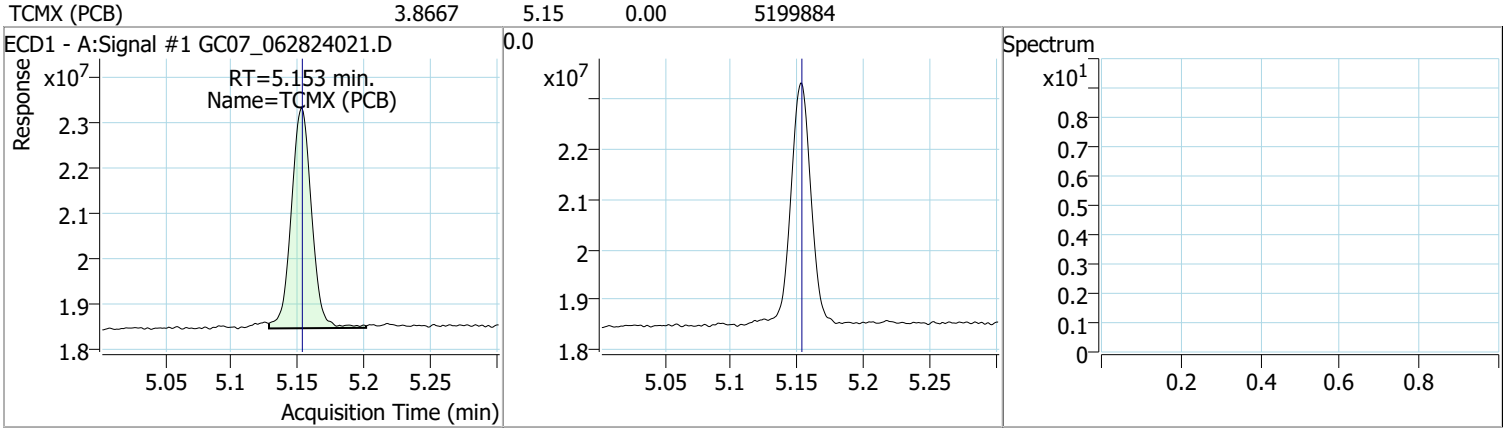


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28707643.033	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.519	0.0	8040733.061	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	5199884.499	3.8667	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.33%		*	
S TCMX (PCB) #2	5.457	0.0	1720703.083	4.4616	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.31%		*	
S Decachlorobiphenyl (PCB)	12.229	0.0	6469062.071	4.0872	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.44%		*	
S Decachlorobiphenyl (PCB) #2	13.568	0.0	2052070.958	4.6716	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%		*	
Target Compounds							QValue

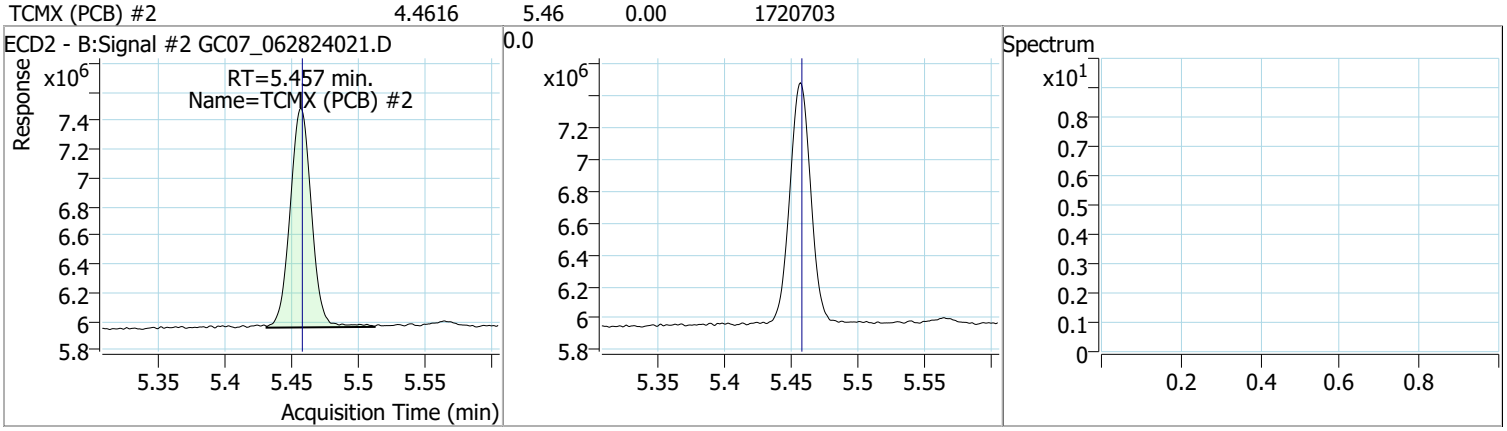
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	1316179.520	52.4516	ng/ml		100
T AR1016 2	5.856	0.0	2702344.344	51.8396	ng/ml		100
T AR1016 1 #2	5.958	0.0	454408.366	53.5238	ng/ml		100
T AR1016 3	6.343	0.0	3592955.586	54.9376	ng/ml		100
T AR1016 2 #2	6.402	0.0	991079.735	56.5021	ng/ml		100
T AR1016 4	6.490	0.0	2136718.056	48.9852	ng/ml	m	100
T AR1016 5	6.977	0.0	1997824.756	52.1055	ng/ml		100
T AR1016 3 #2	6.983	0.0	1288206.681	58.8850	ng/ml		100
T AR1016 4 #2	7.170	0.0	896004.883	55.4049	ng/ml		100
T AR1016 5 #2	7.911	0.0	682282.940	52.1638	ng/ml		100
T AR1260 1	8.973	0.0	3801549.944	49.4359	ng/ml		100
T AR1260 2	9.419	0.0	6104749.711	51.9790	ng/ml		100
T AR1260 3	9.828	0.0	6530061.777	51.6757	ng/ml		100
T AR1260 1 #2	10.065	0.0	1288208.271	55.3770	ng/ml		100
T AR1260 4	10.295	0.0	3805769.202	52.0934	ng/ml		100
T AR1260 2 #2	10.325	0.0	1723687.255	58.9821	ng/ml		100
T AR1260 3 #2	10.747	0.0	1959961.162	55.7175	ng/ml		100
T AR1260 5	10.969	0.0	4469357.866	51.0885	ng/ml		100
T AR1260 4 #2	11.167	0.0	1226114.811	55.1232	ng/ml		100
T AR1260 5 #2	11.862	0.0	1820415.005	55.1278	ng/ml		100

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

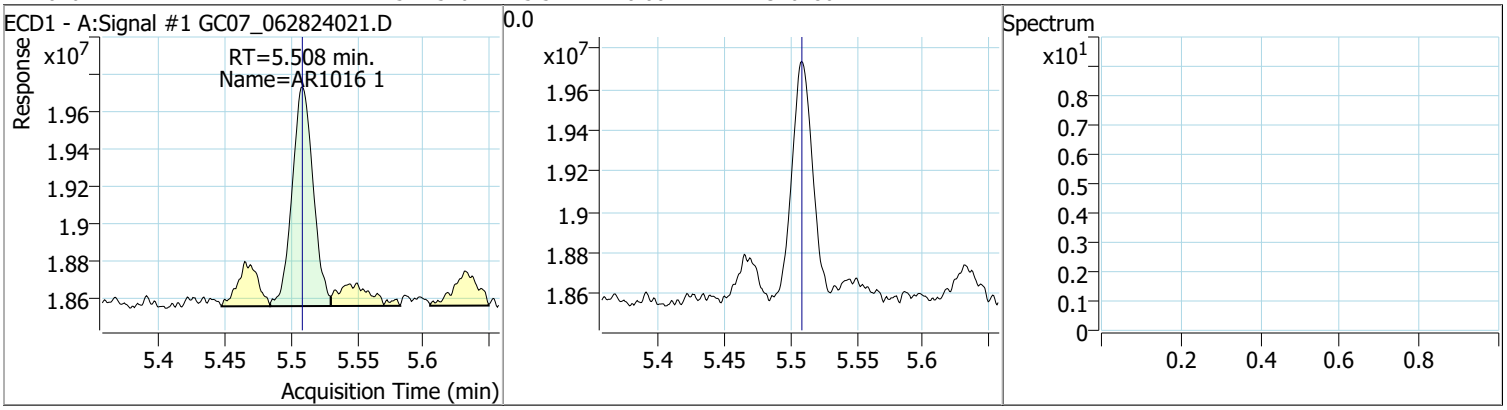
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8667	5.15	0.00	5199884				



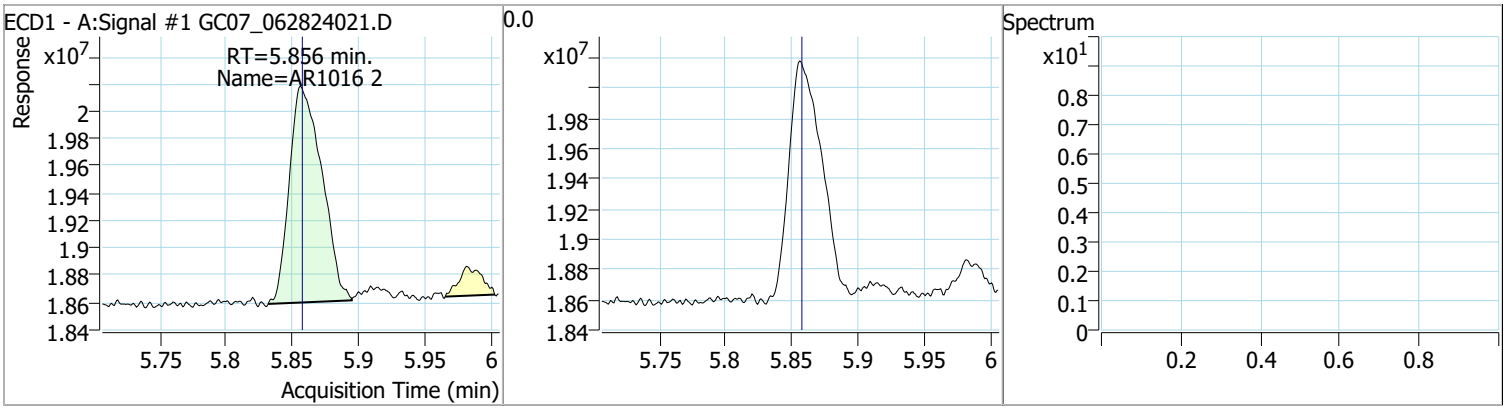
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.4616	5.46	0.00	1720703				



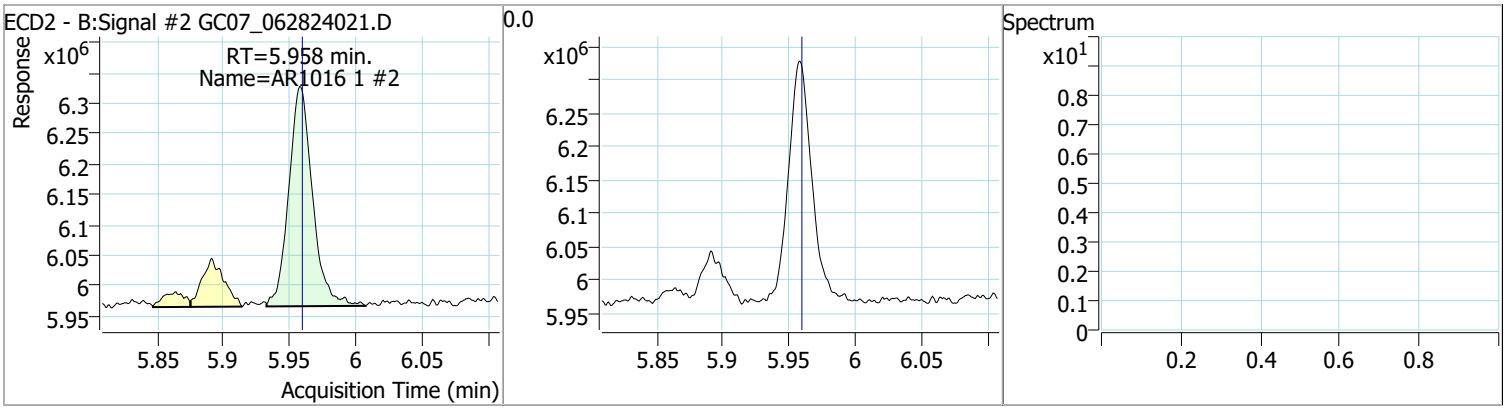
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4516	5.51	0.00	1316180				



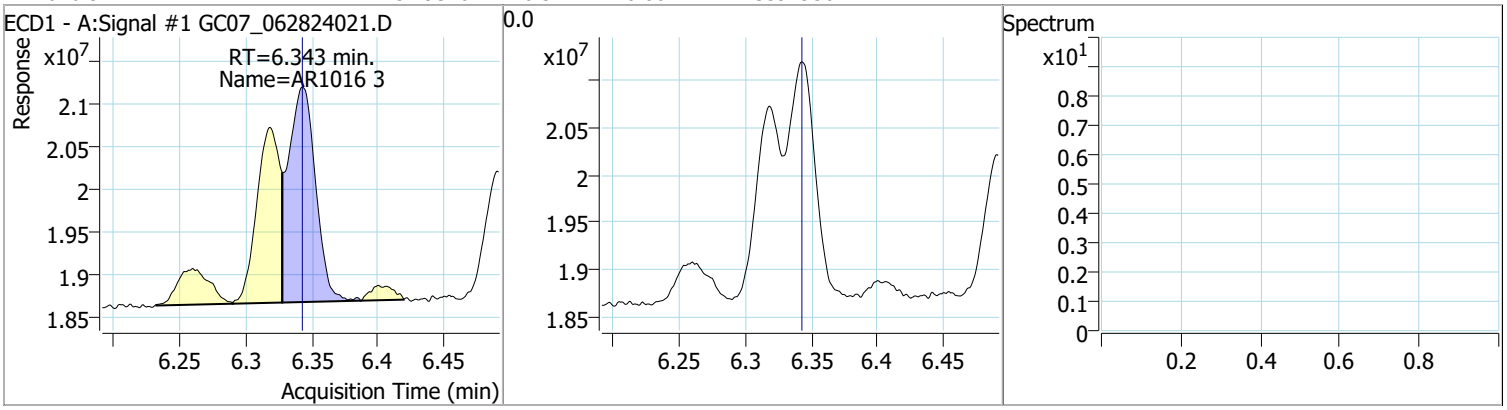
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8396	5.86	0.00	2702344				



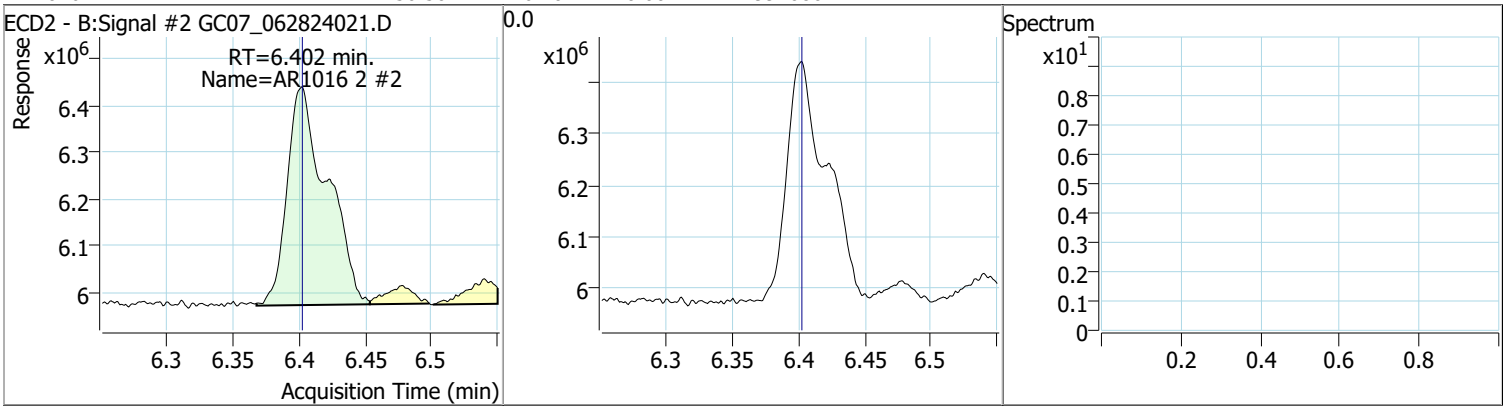
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.5238	5.96	0.00	454408				



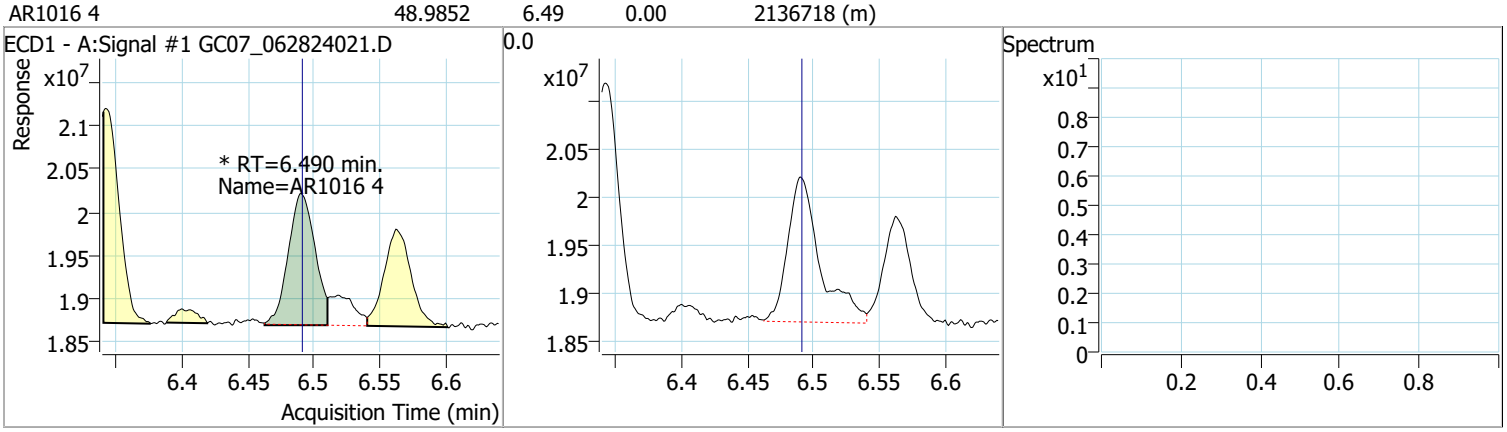
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.9376	6.34	0.00	3592956				



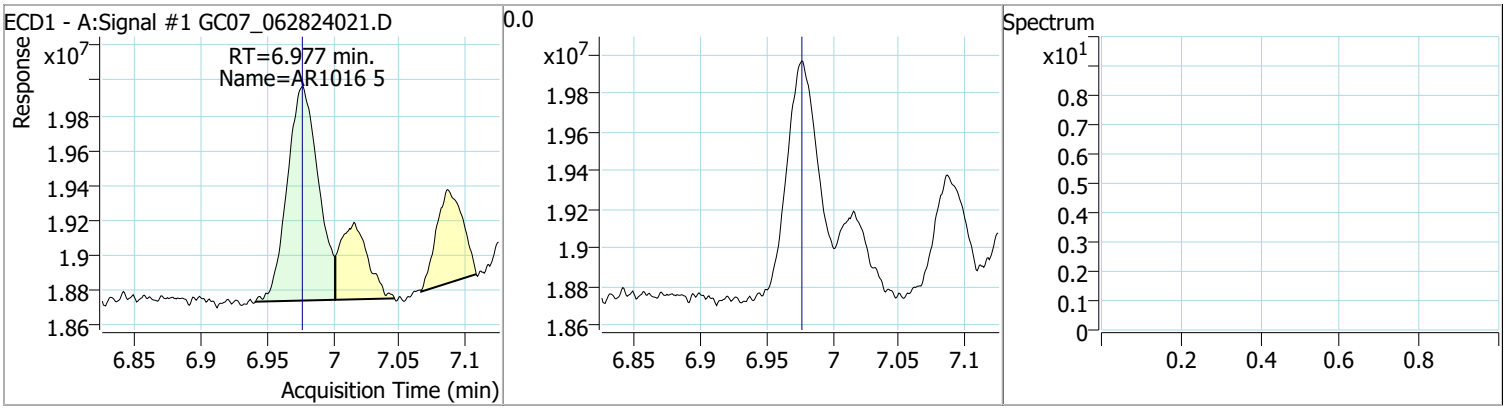
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5021	6.40	0.00	991080				



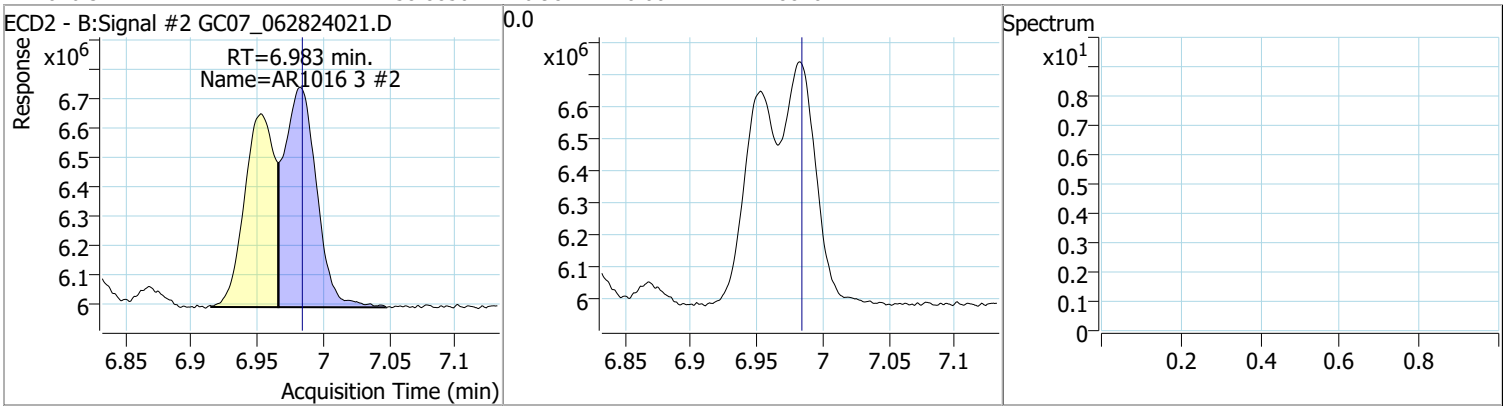
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	48.9852	6.49	0.00	2136718 (m)				



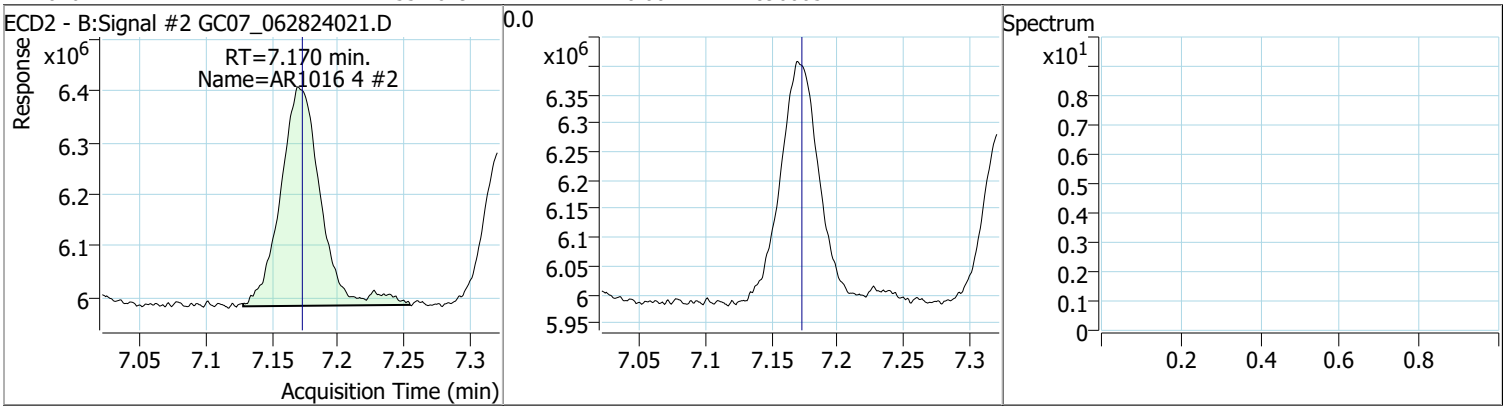
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.1055	6.98	0.00	1997825				



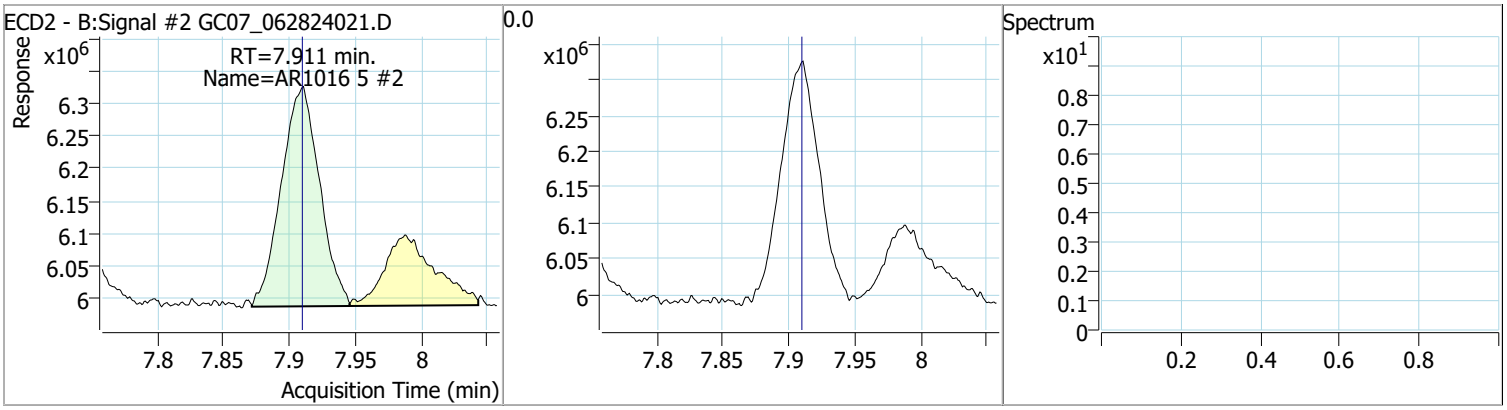
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.8850	6.98	0.00	1288207				



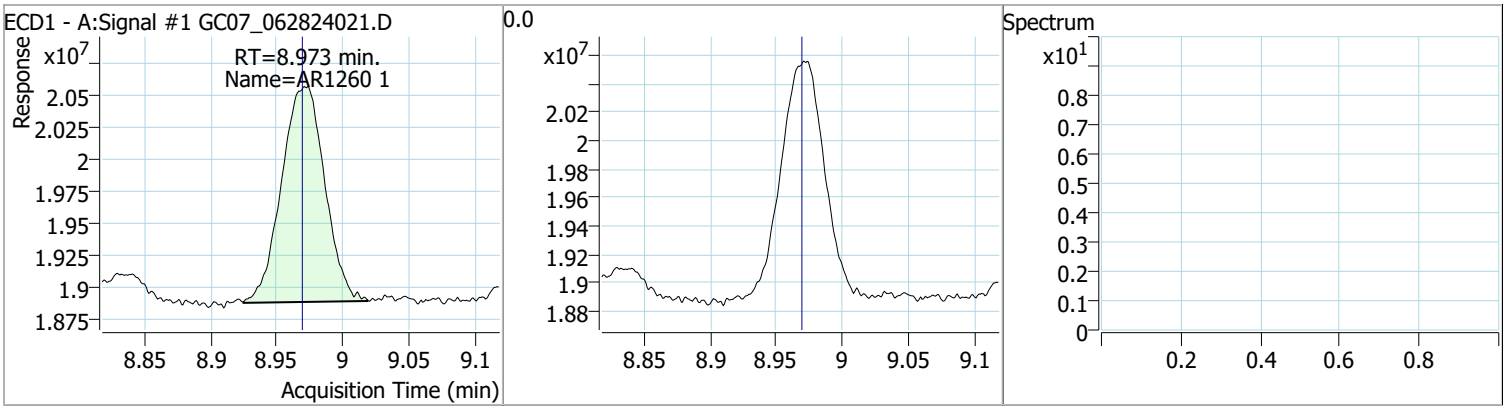
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	55.4049	7.17	0.00	896005				



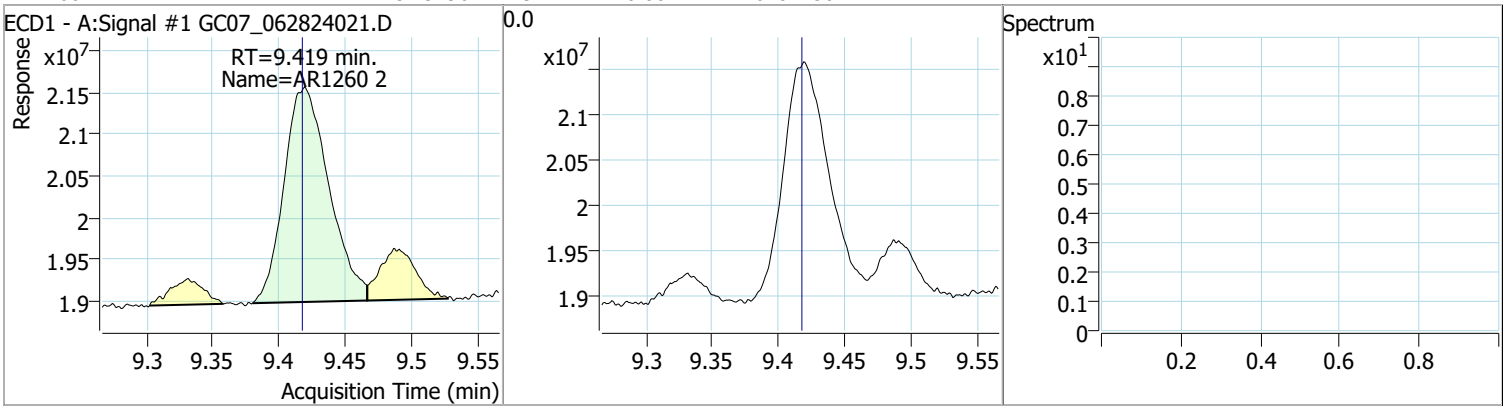
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	52.1638	7.91	0.00	682283				



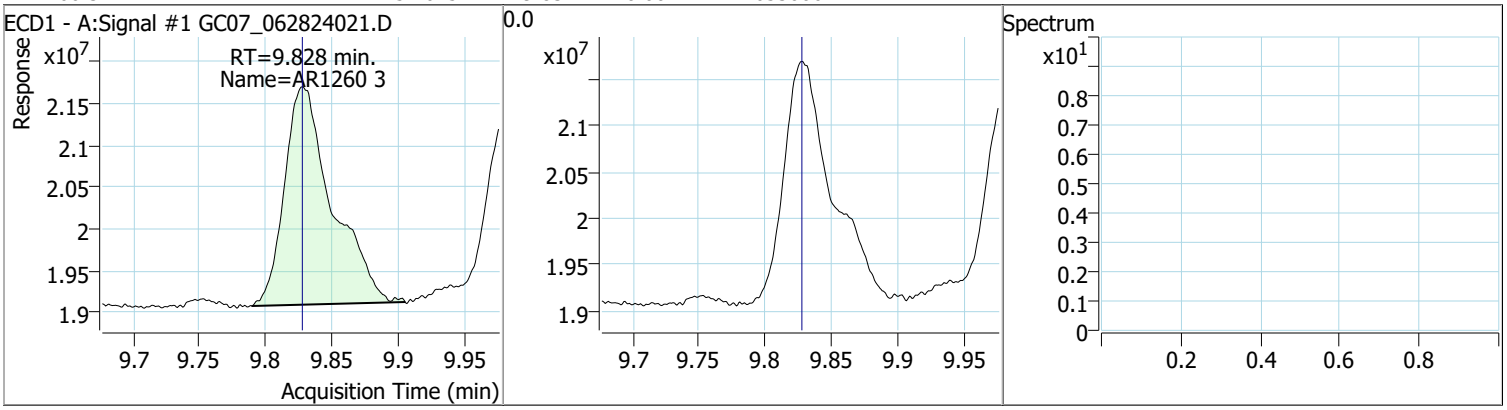
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	49.4359	8.97	0.01	3801550				



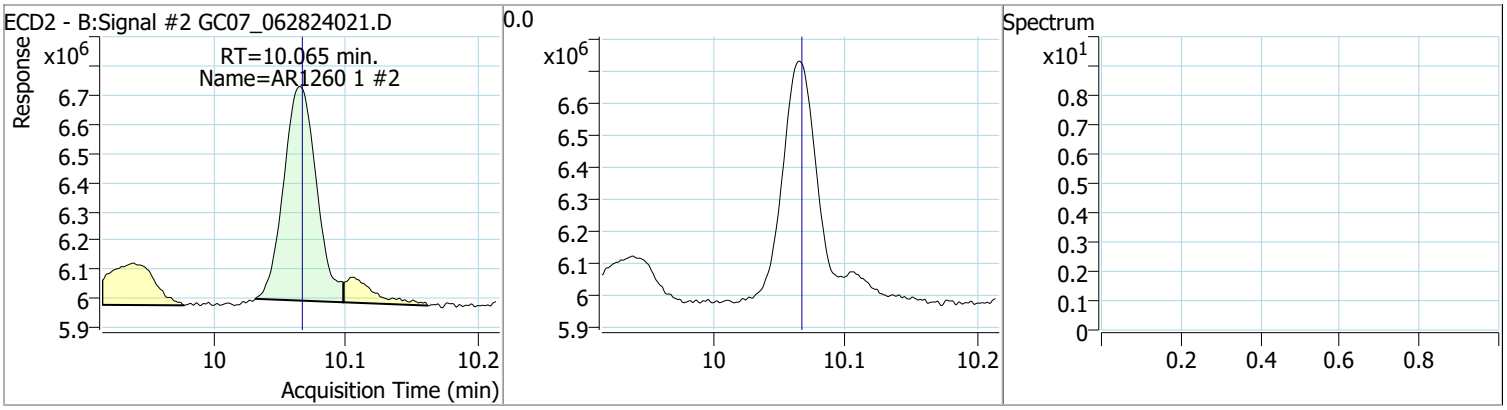
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	51.9790	9.42	0.00	6104750				



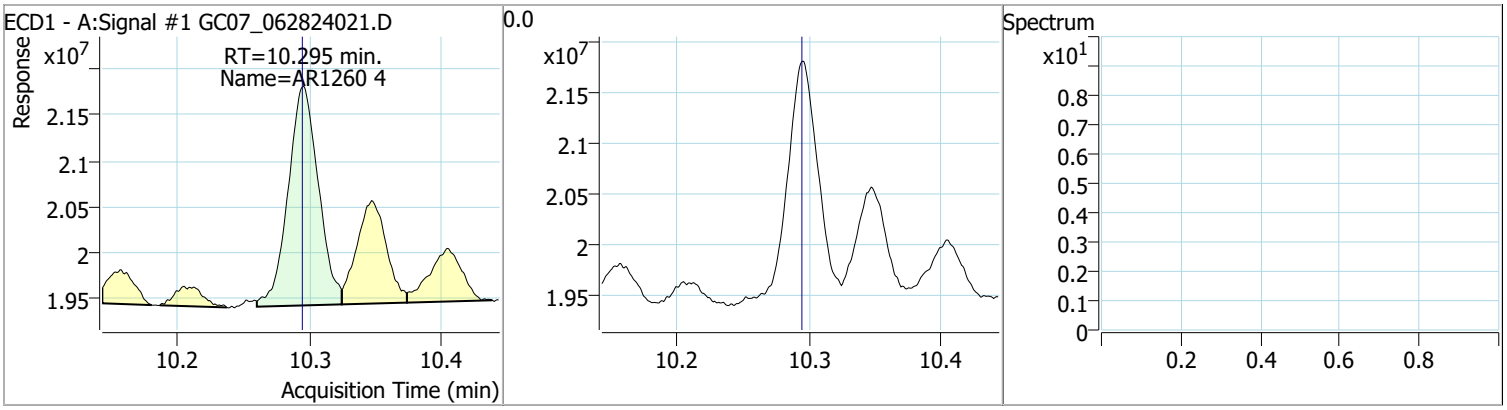
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	51.6757	9.83	0.00	6530062				



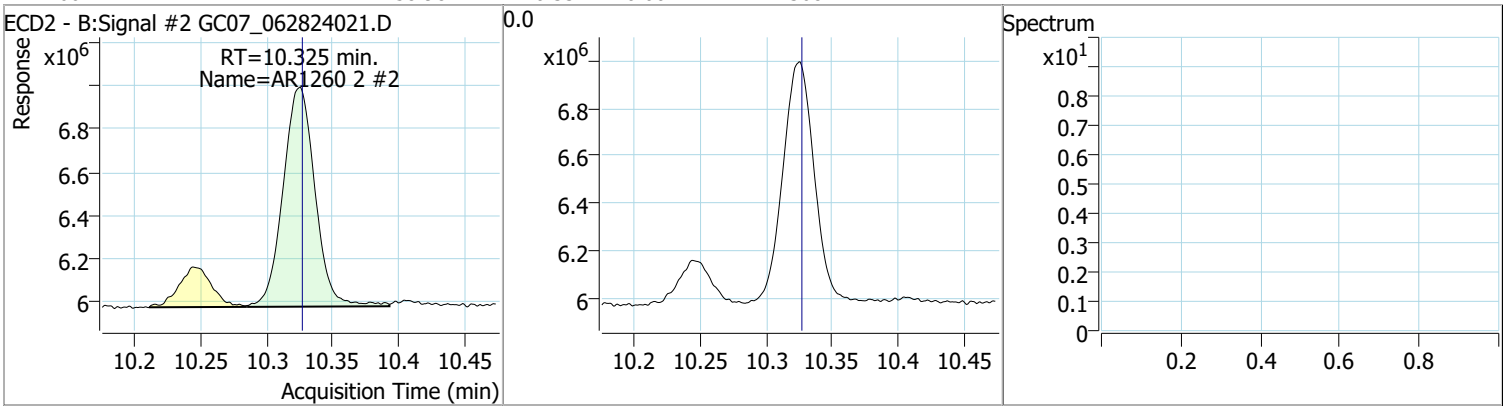
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.3770	10.07	0.00	1288208				



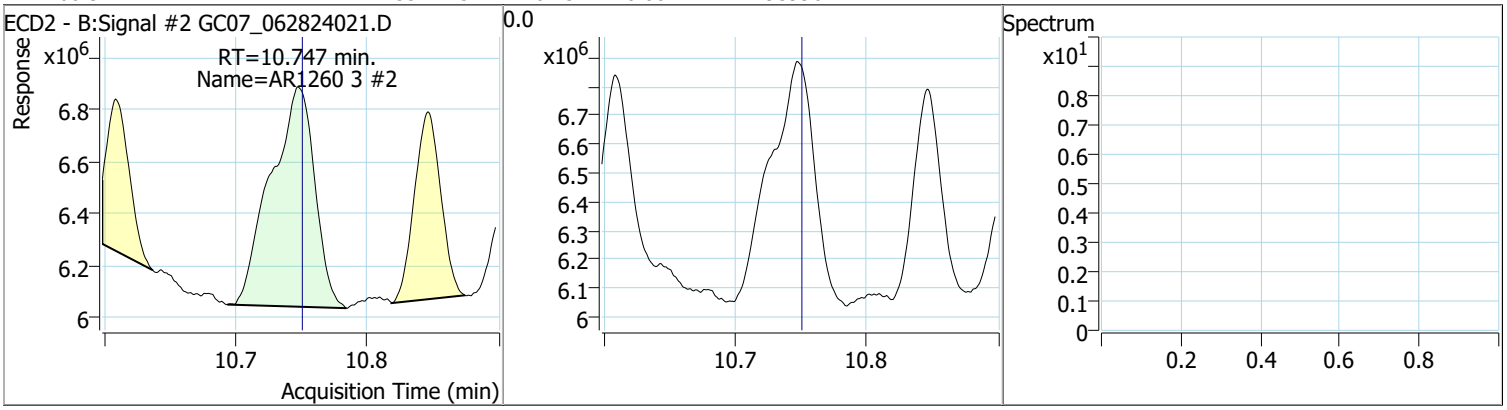
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.0934	10.30	0.00	3805769				



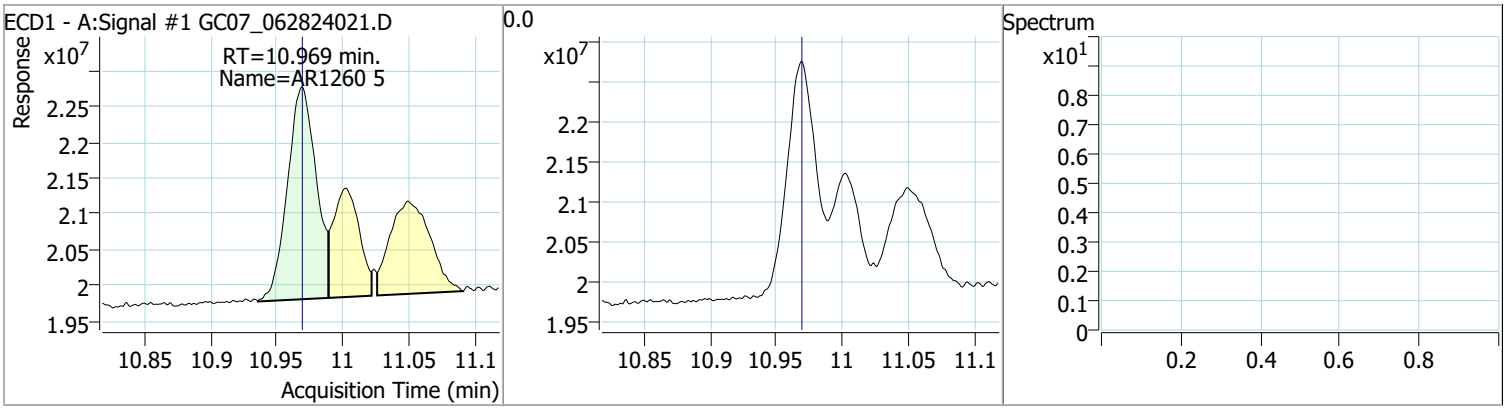
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.9821	10.33	0.00	1723687				



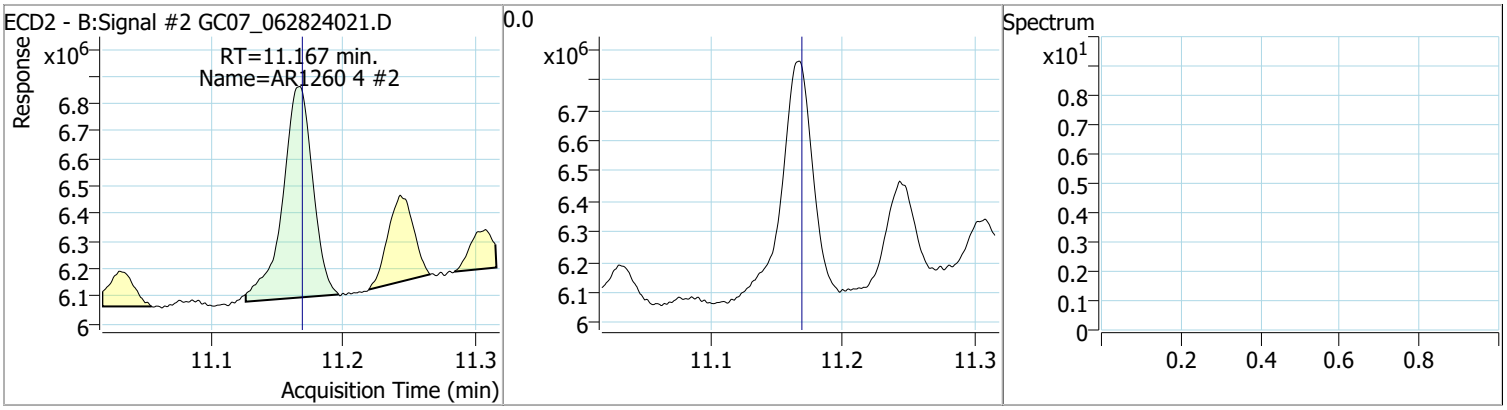
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.7175	10.75	0.00	1959961				



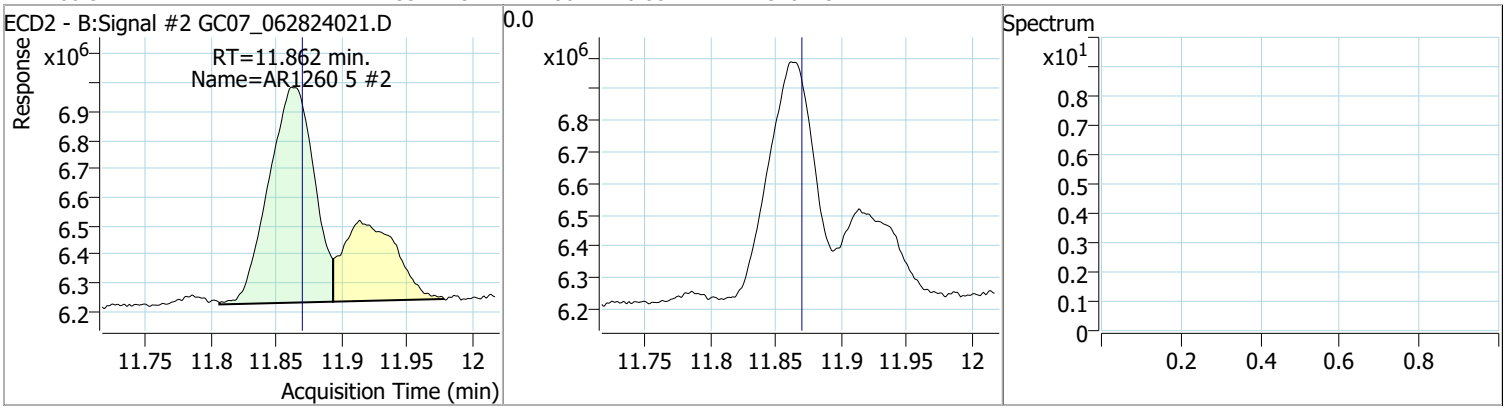
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	51.0885	10.97	0.00	4469358				



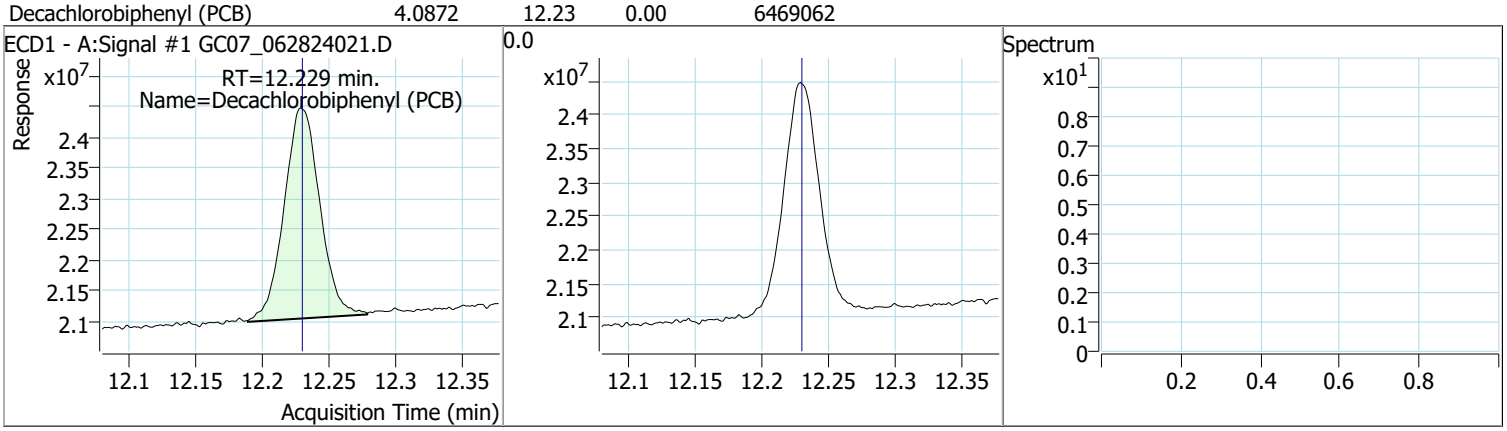
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	55.1232	11.17	0.00	1226115				



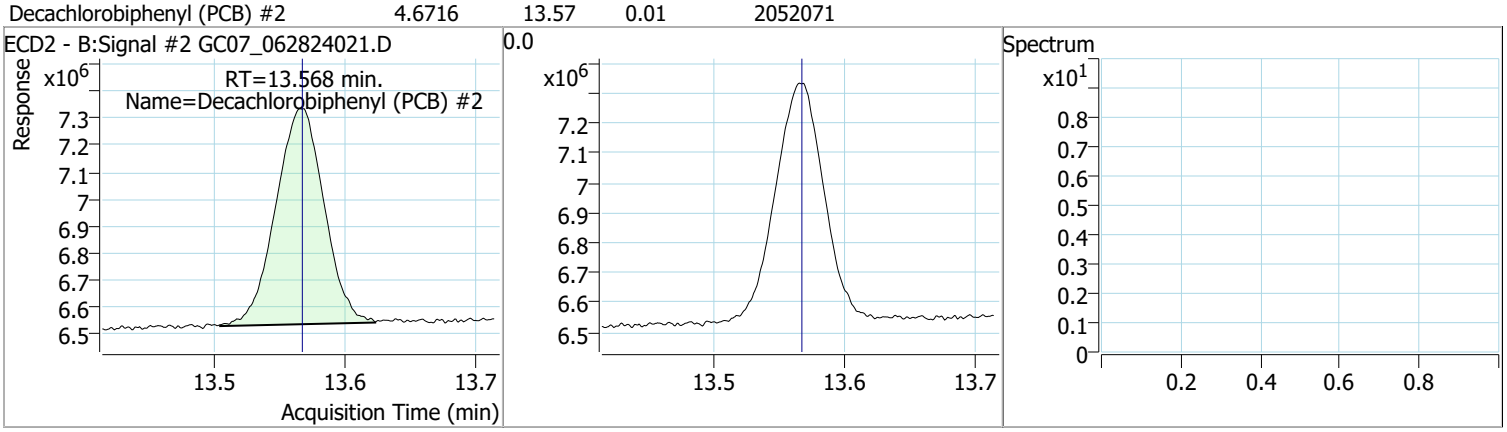
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.1278	11.86	0.00	1820415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0872	12.23	0.00	6469062				

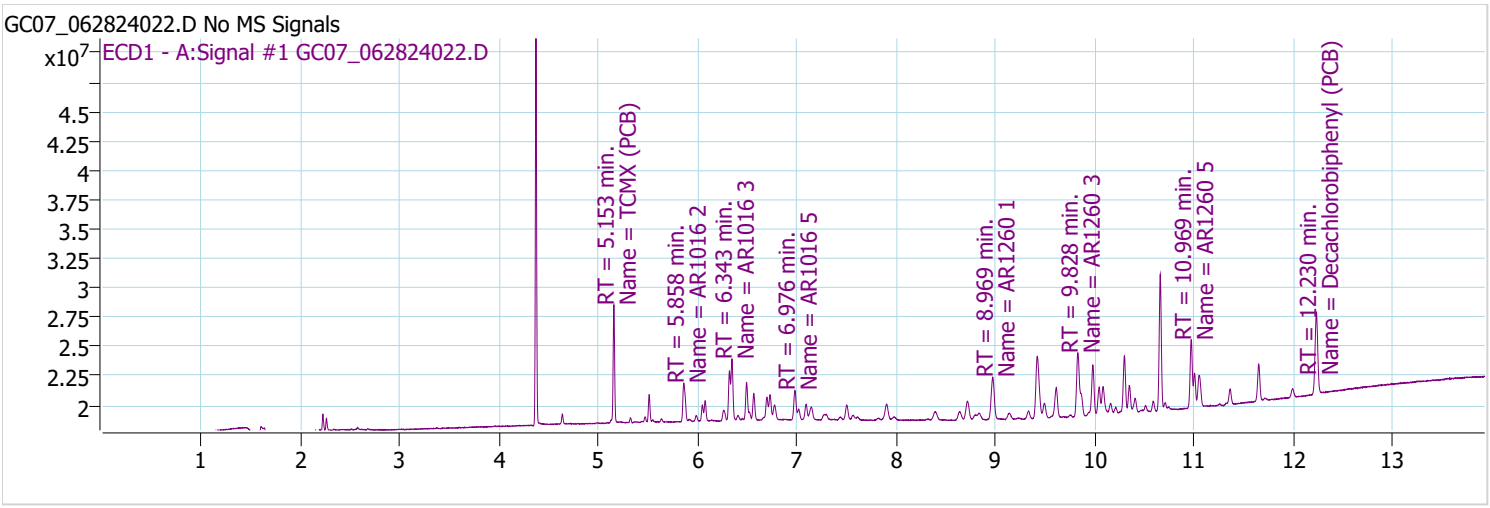


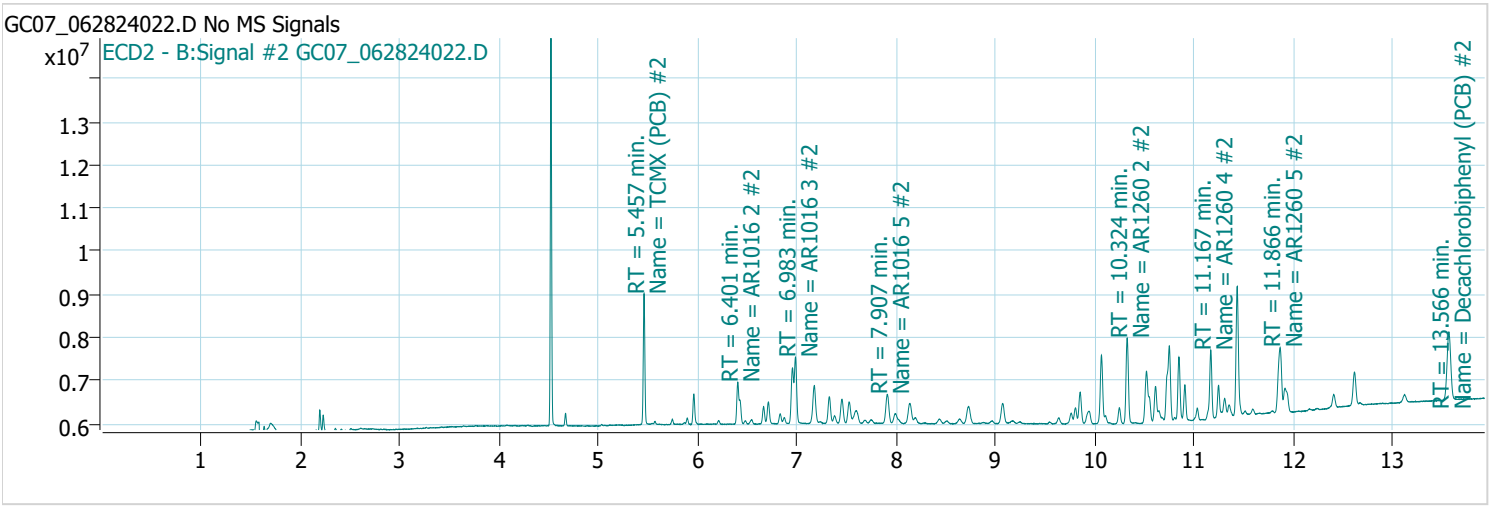
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.6716	13.57	0.01	2052071				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:38:40 PM
Sample Name	ICAL, S20885	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



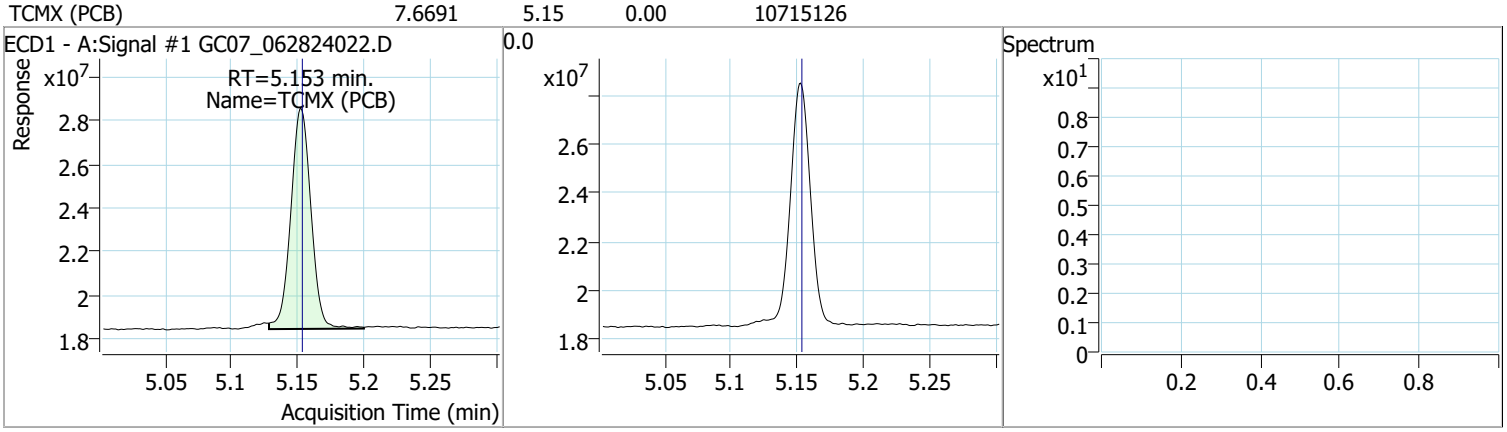


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	29826184.198	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8273172.510	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	10715126.470	7.6691	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.35%		*	
S TCMX (PCB) #2	5.457	0.0	3412297.177	8.5990	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.00%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	13361376.402	8.1252	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.63%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	4177022.833	9.2419	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.21%		*	
Target Compounds							QValue

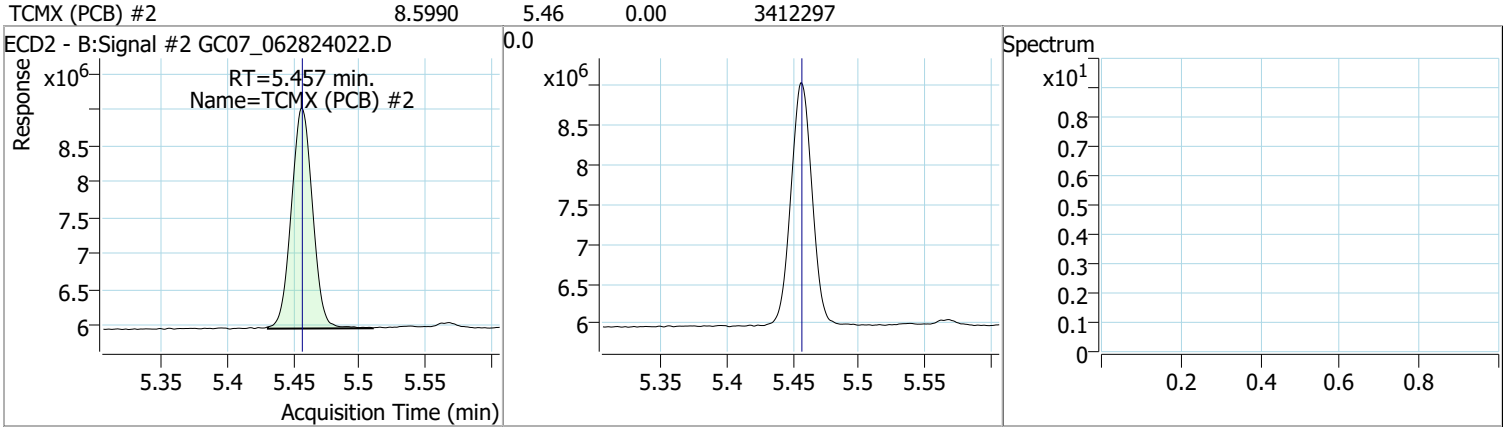
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	2657212.375	101.9225	ng/ml		100
T AR1016 2	5.858	0.0	5739080.003	105.9651	ng/ml		100
T AR1016 1 #2	5.958	0.0	929578.135	106.4167	ng/ml		100
T AR1016 3	6.343	0.0	7358025.992	108.2876	ng/ml		100
T AR1016 2 #2	6.401	0.0	2044379.549	113.2769	ng/ml		100
T AR1016 4	6.490	0.0	4469166.057	98.6152	ng/ml		100
T AR1016 5	6.976	0.0	4190423.642	105.1922	ng/ml		100
T AR1016 3 #2	6.983	0.0	2555167.746	113.5174	ng/ml		100
T AR1016 4 #2	7.173	0.0	1786552.414	107.3685	ng/ml		100
T AR1016 5 #2	7.907	0.0	1431090.872	106.3398	ng/ml		100
T AR1260 1	8.969	0.0	8092605.986	101.2907	ng/ml		100
T AR1260 2	9.419	0.0	12517533.348	102.5838	ng/ml		100
T AR1260 3	9.828	0.0	13459933.200	102.5207	ng/ml	m	100
T AR1260 1 #2	10.065	0.0	2794544.529	116.7556	ng/ml		100
T AR1260 4	10.297	0.0	7856018.380	103.5005	ng/ml		100
T AR1260 2 #2	10.324	0.0	3418547.712	113.6912	ng/ml		100
T AR1260 3 #2	10.749	0.0	4013258.360	110.8829	ng/ml		100
T AR1260 5	10.969	0.0	9133510.153	100.4884	ng/ml		100
T AR1260 4 #2	11.167	0.0	2572032.147	112.3837	ng/ml		100
T AR1260 5 #2	11.866	0.0	3668290.261	107.9662	ng/ml		100

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

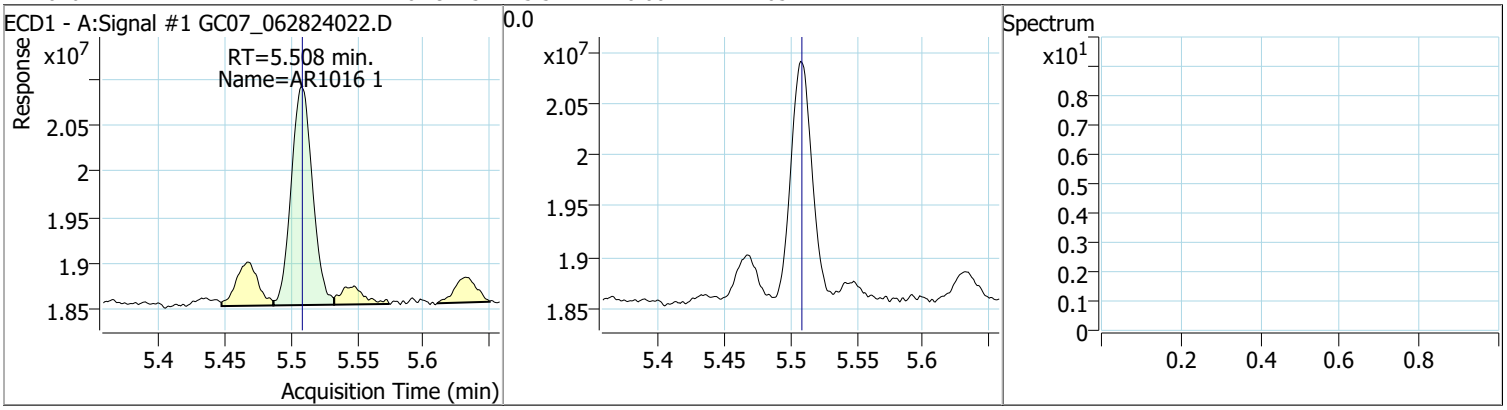
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.6691	5.15	0.00	10715126				



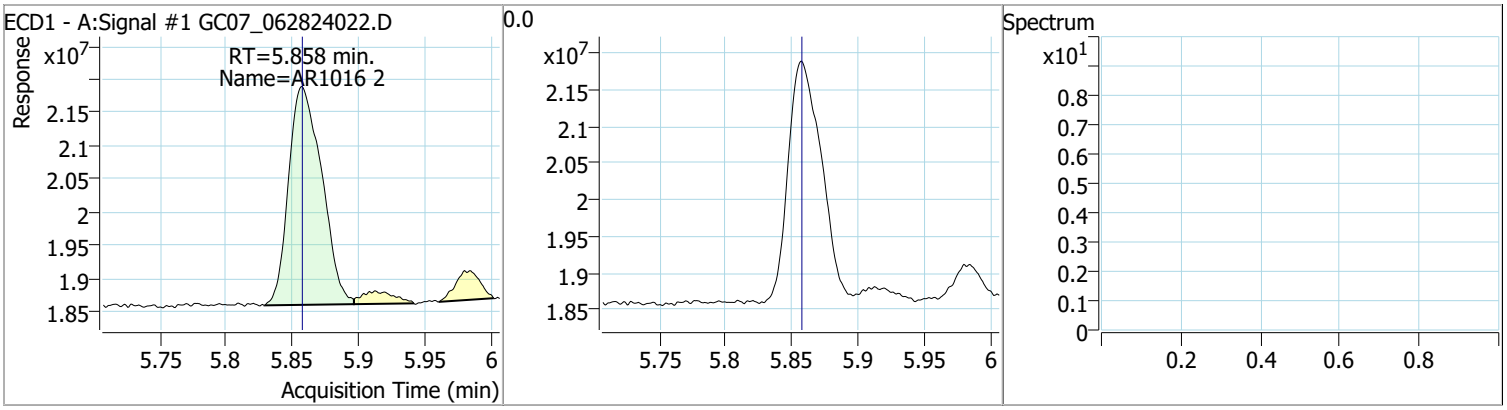
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TCMX (PCB) #2	8.5990	5.46	0.00	3412297				



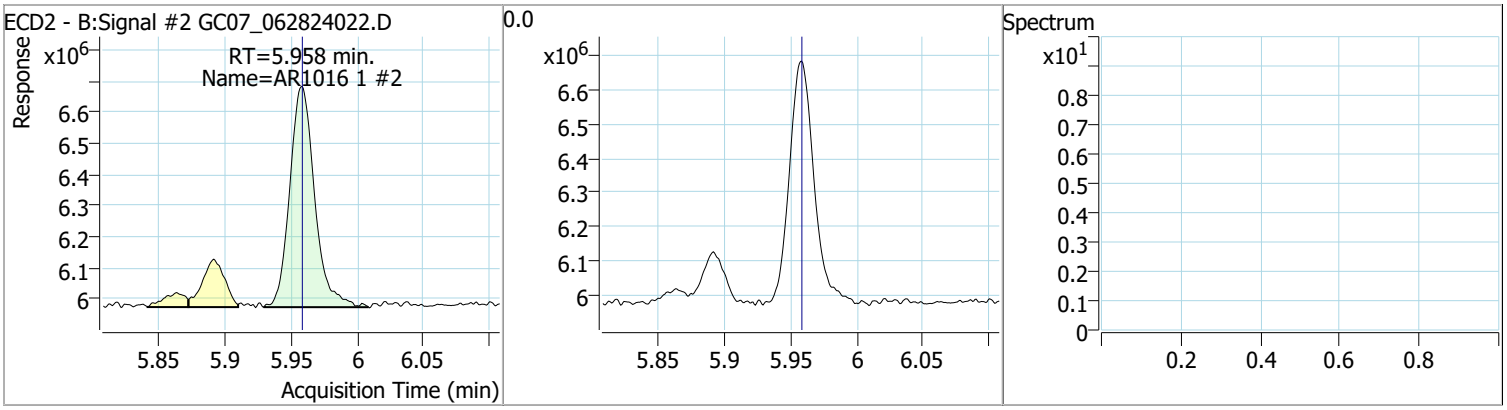
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	101.9225	5.51	0.00	2657212				



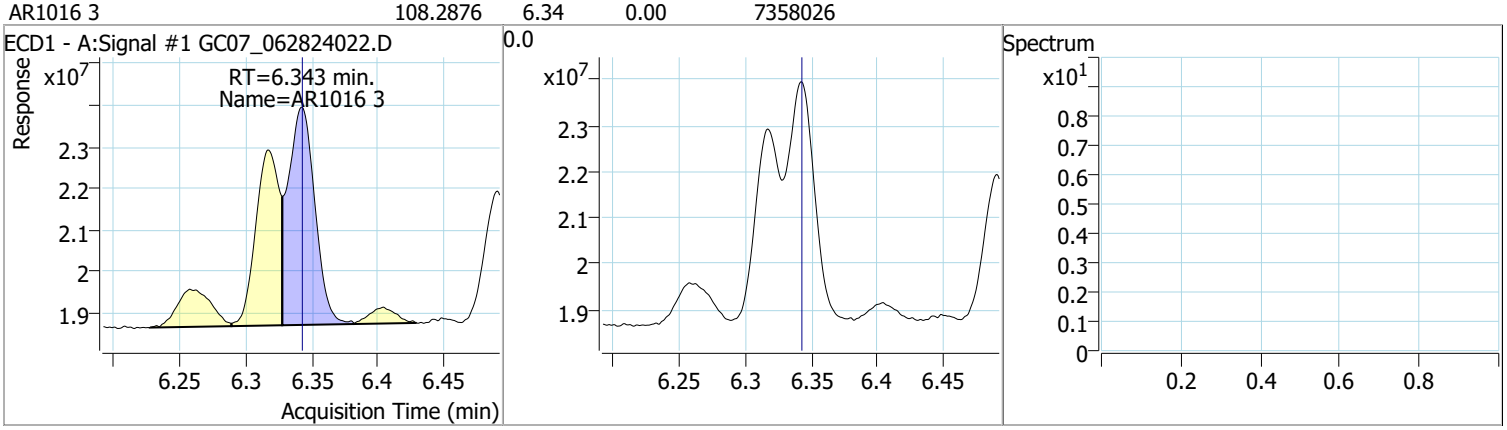
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.9651	5.86	0.00	5739080				



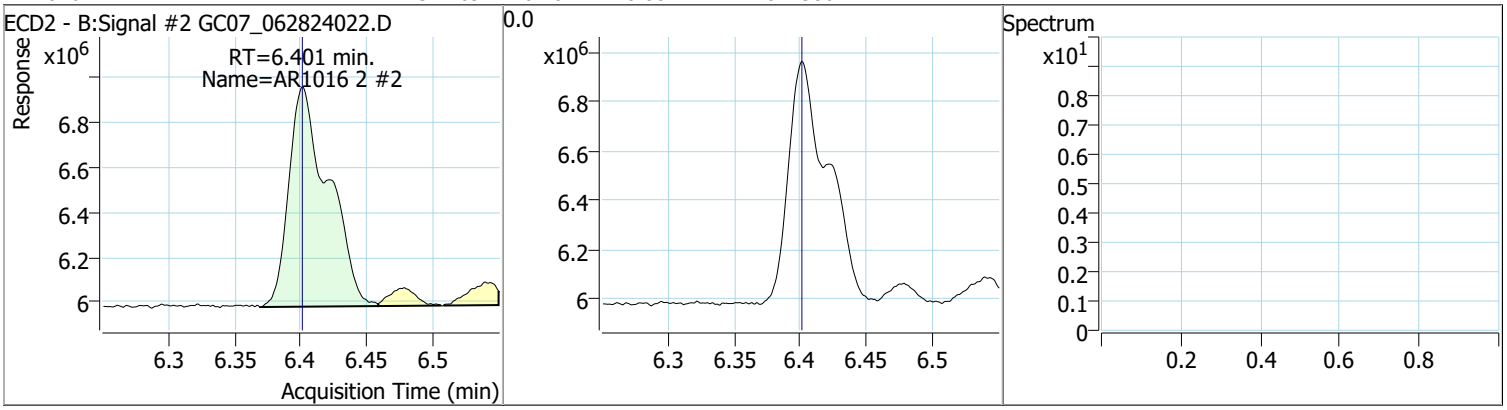
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AR1016 1 #2	106.4167	5.96	0.00	929578				



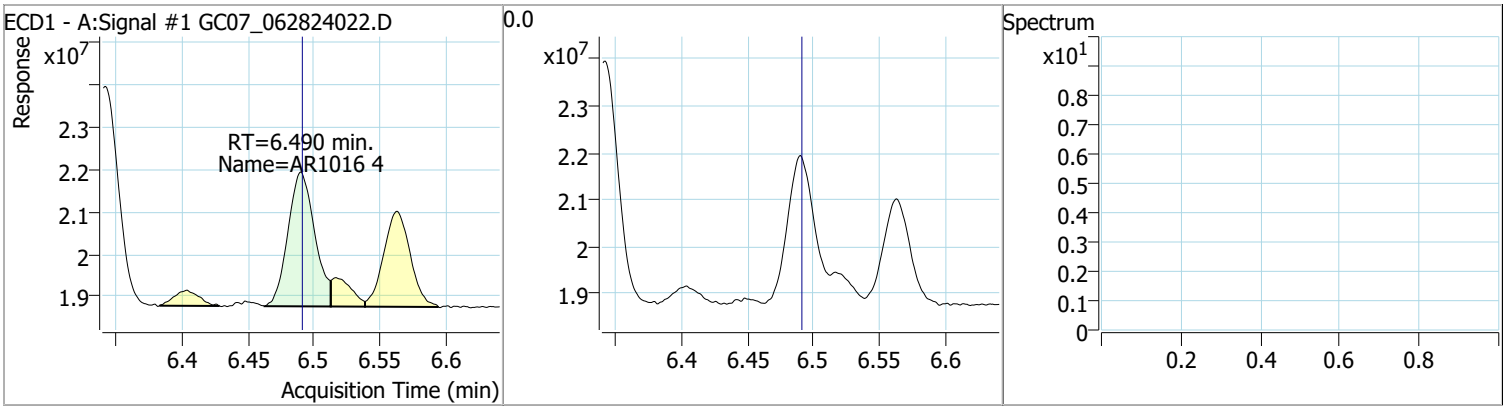
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.2876	6.34	0.00	7358026				



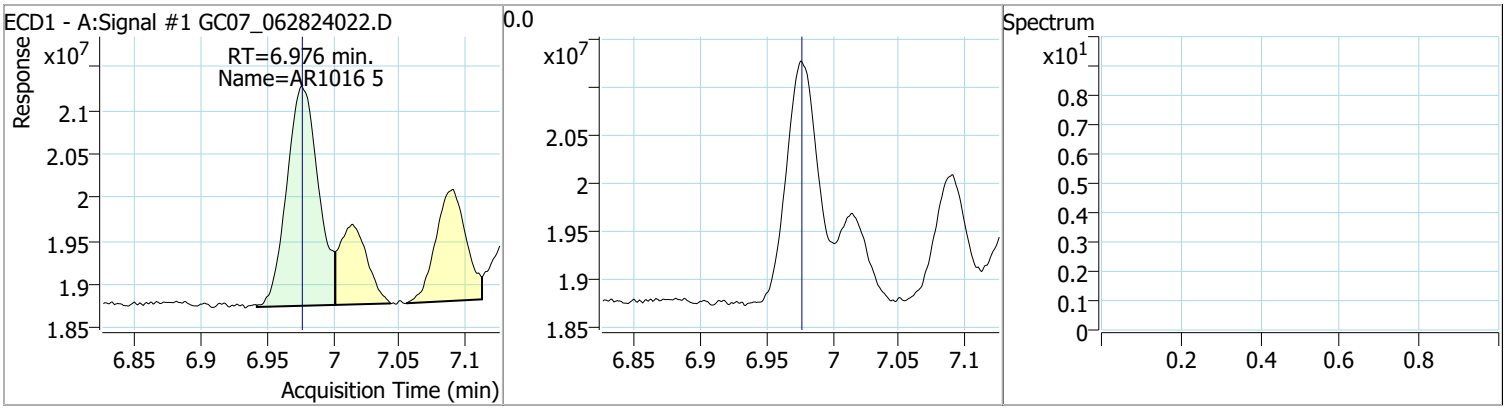
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AR1016 2 #2	113.2769	6.40	0.00	2044380				



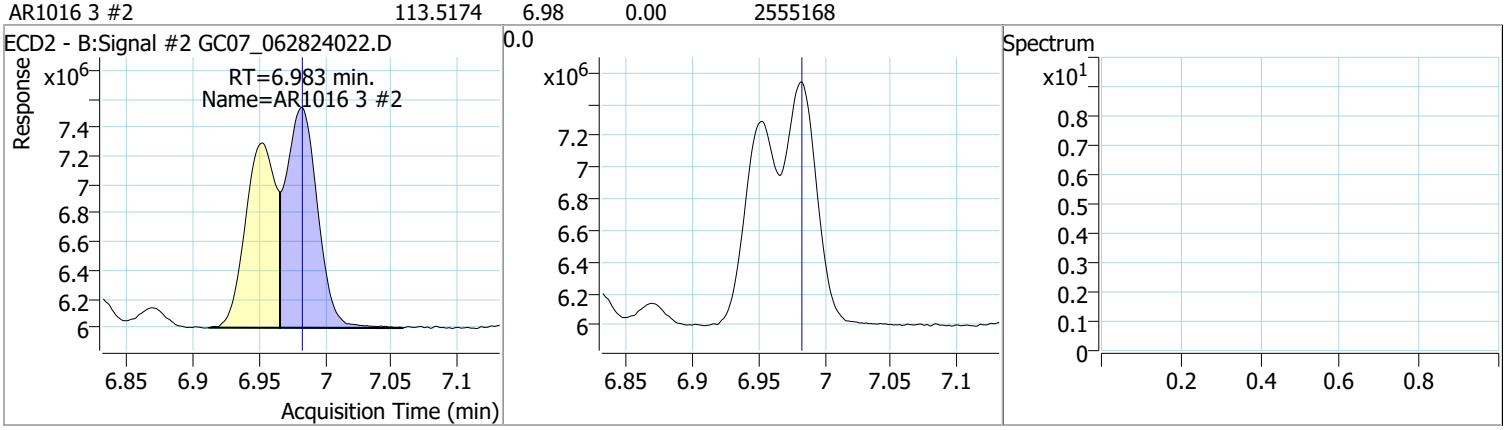
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	98.6152	6.49	0.00	4469166				



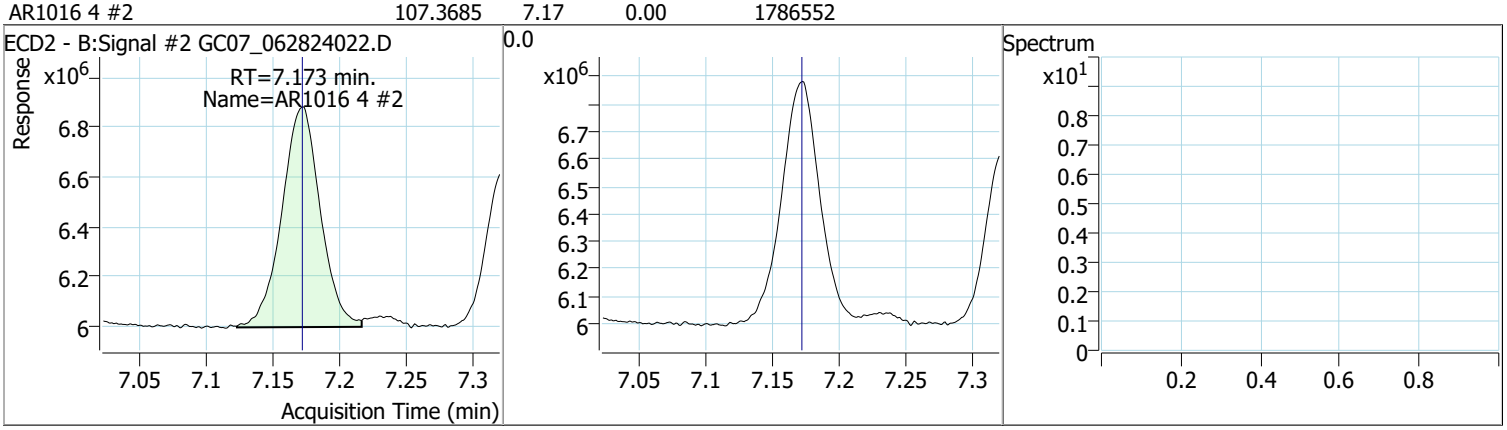
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.1922	6.98	0.00	4190424				



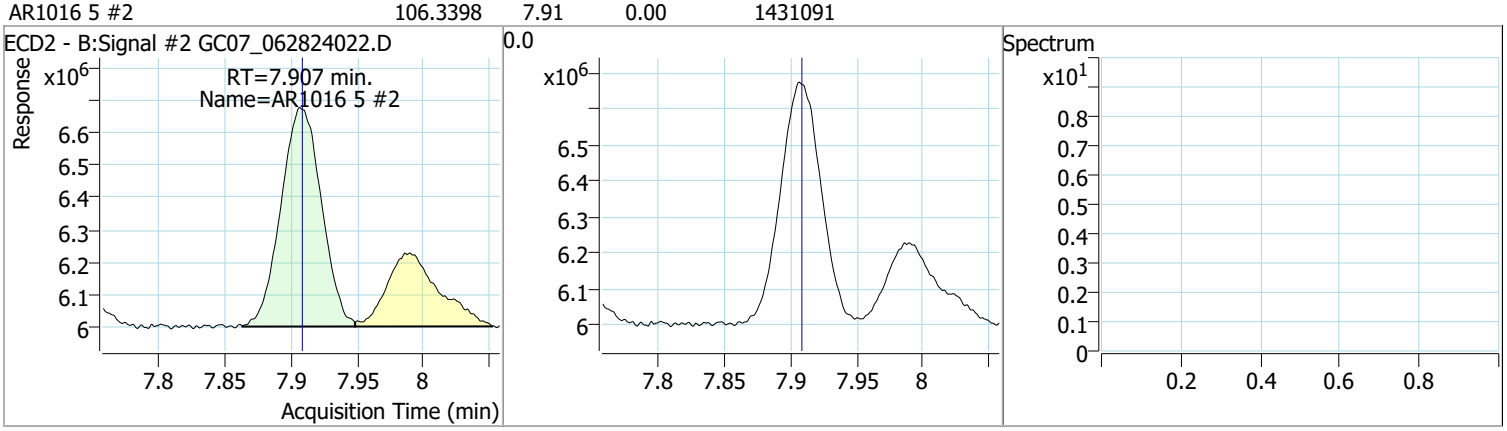
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AR1016 3 #2	113.5174	6.98	0.00	2555168				



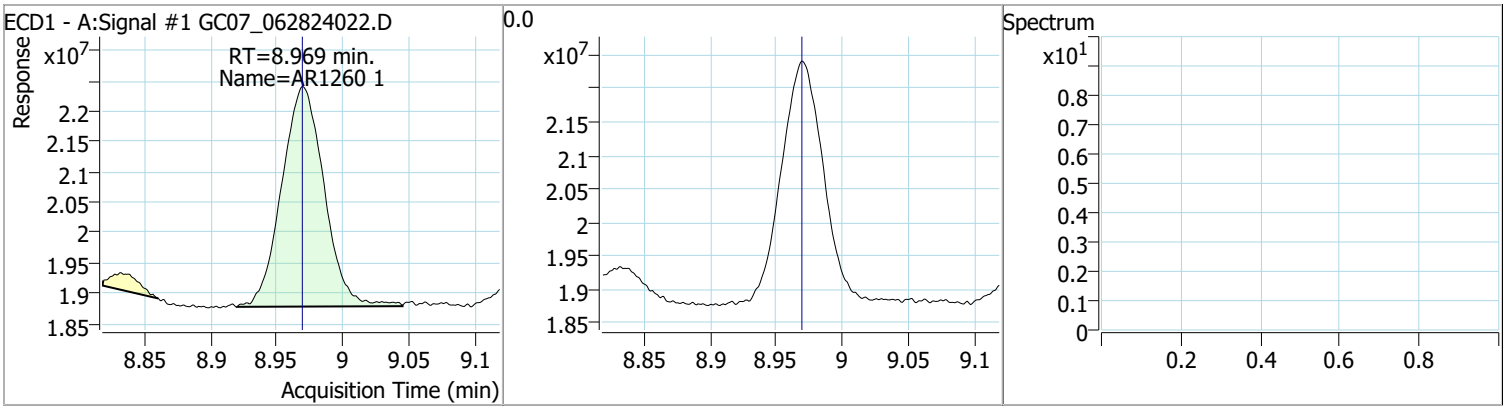
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	107.3685	7.17	0.00	1786552				



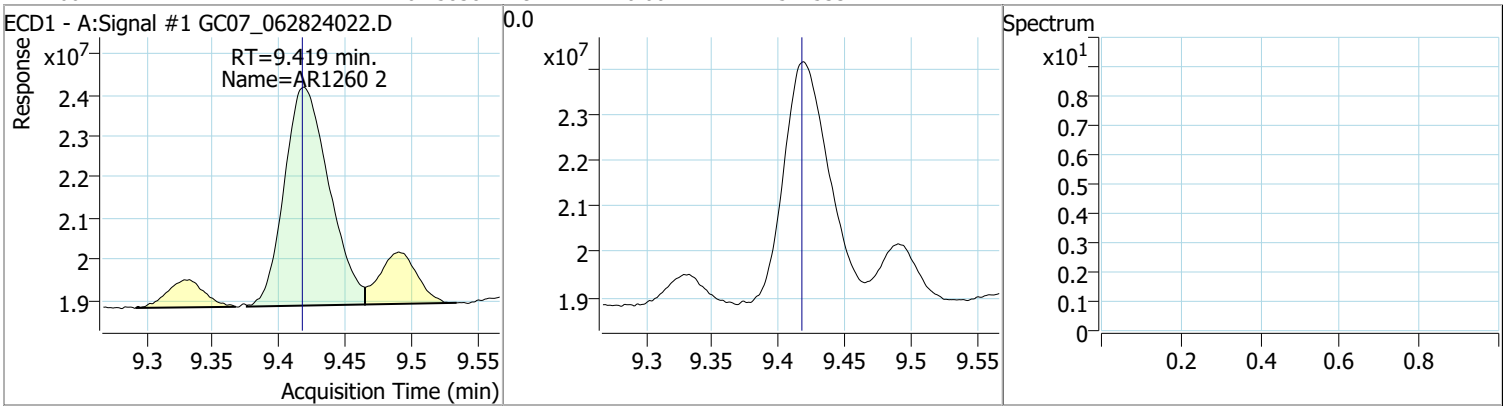
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.3398	7.91	0.00	1431091				



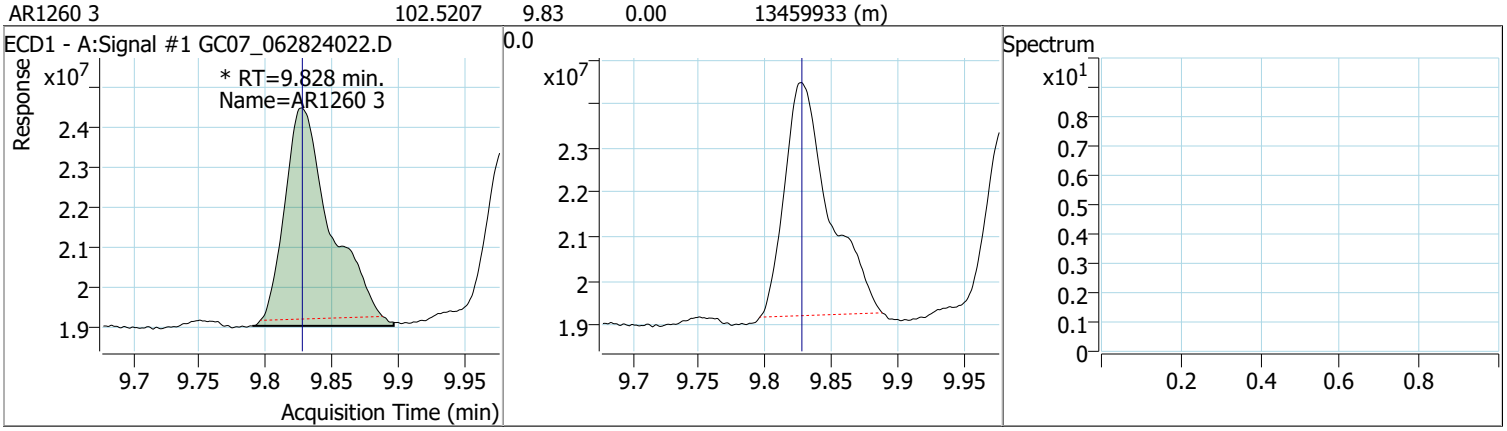
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	101.2907	8.97	0.00	8092606				



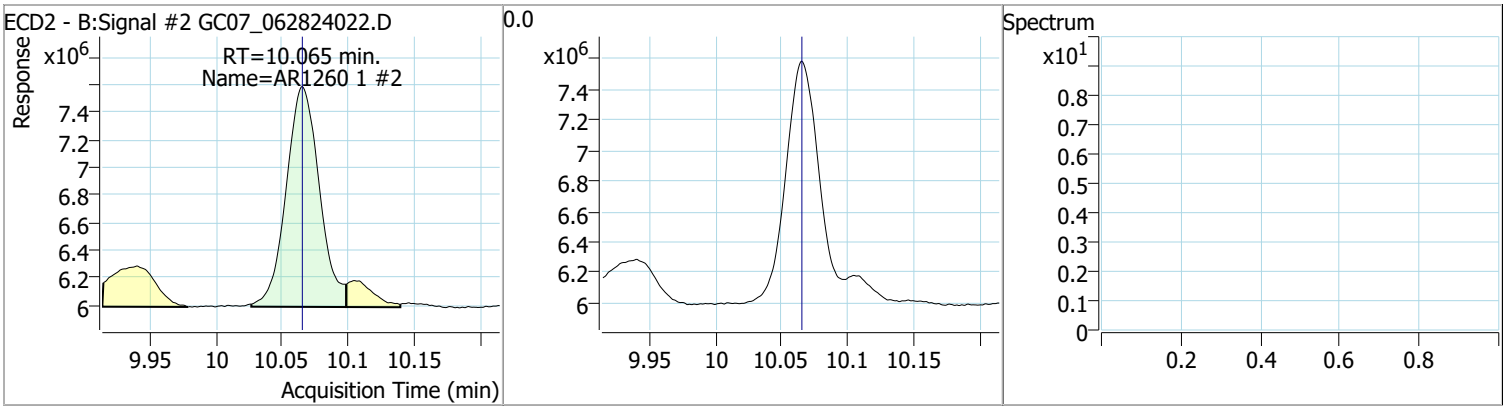
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AR1260 2	102.5838	9.42	0.00	12517533				



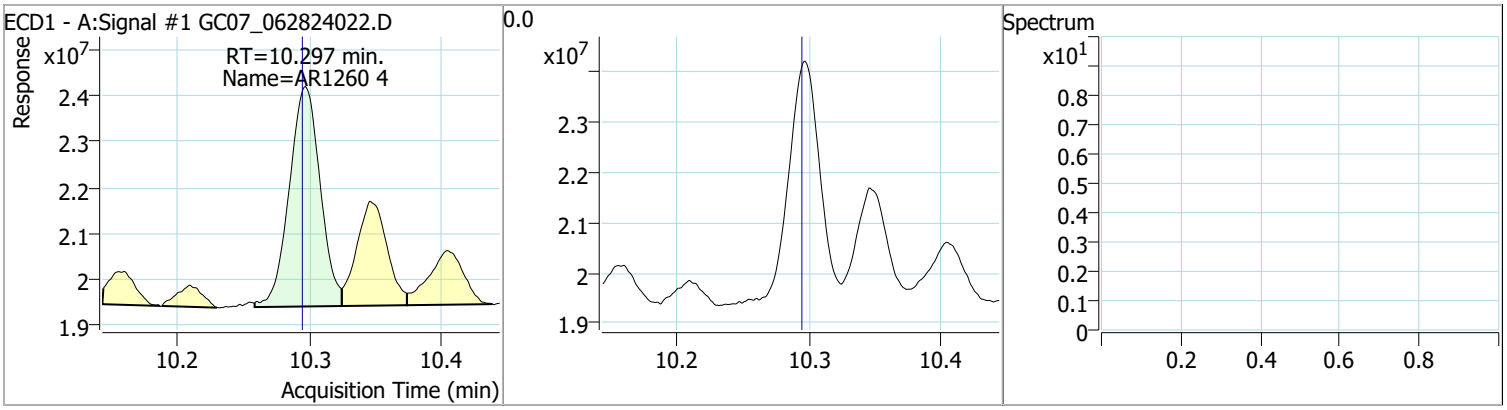
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	102.5207	9.83	0.00	13459933 (m)				



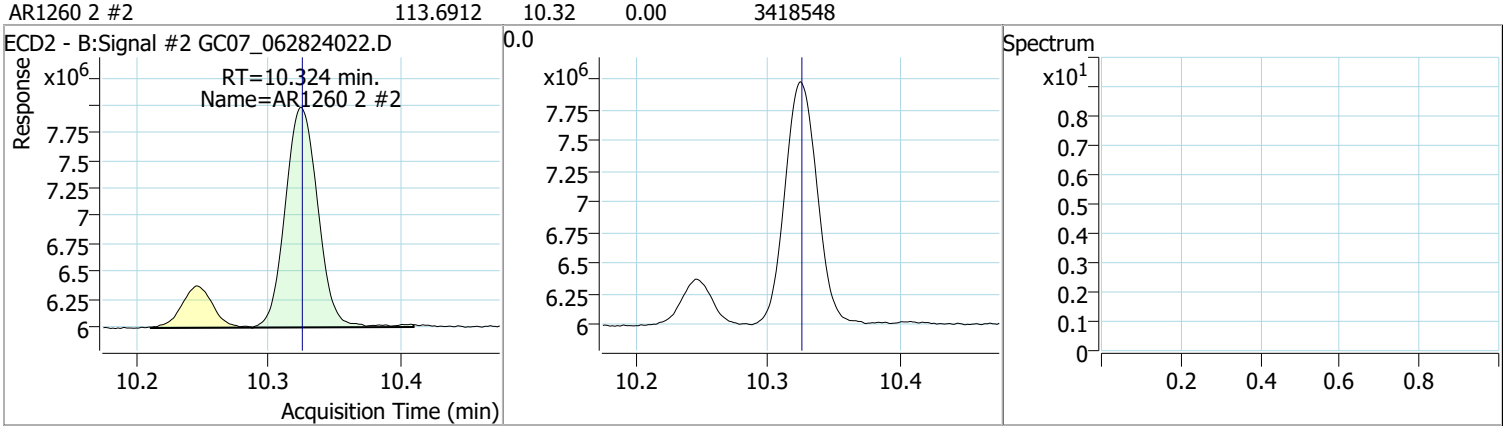
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	116.7556	10.07	0.00	2794545				



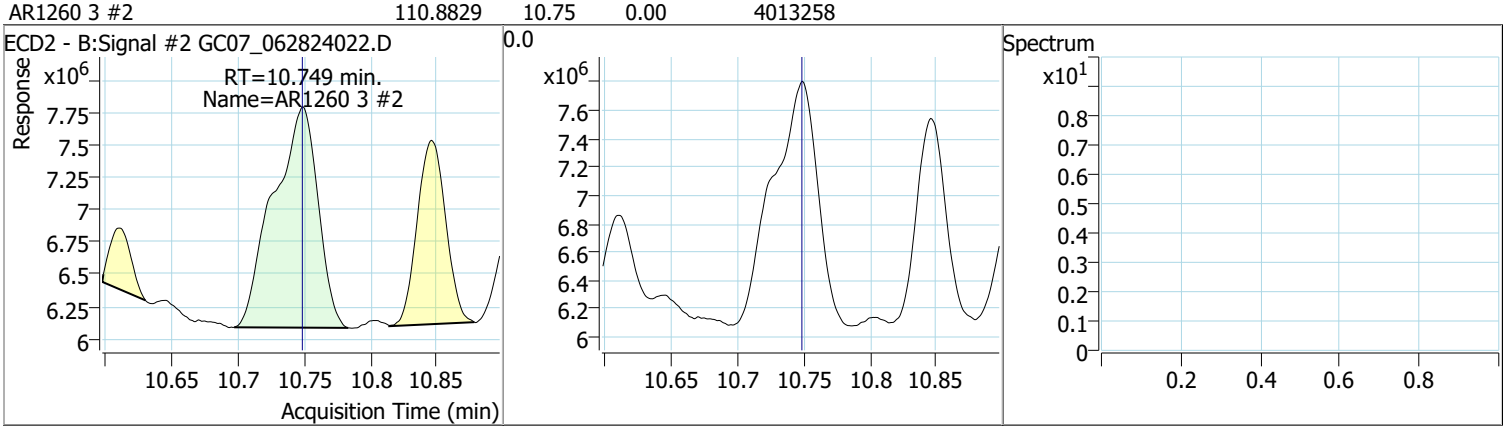
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.5005	10.30	0.00	7856018				



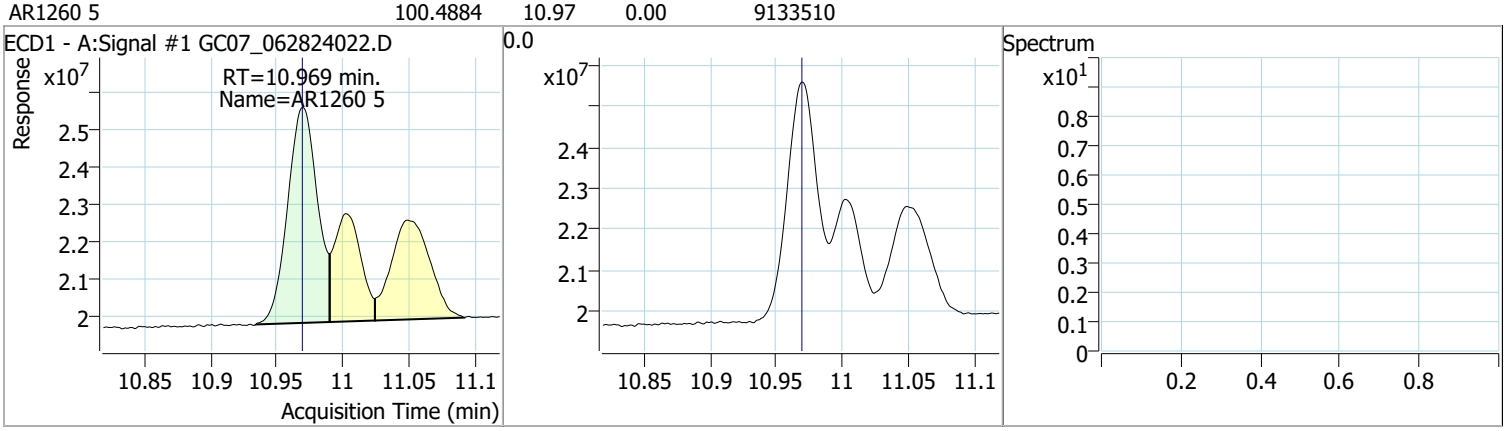
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AR1260 2 #2	113.6912	10.32	0.00	3418548				



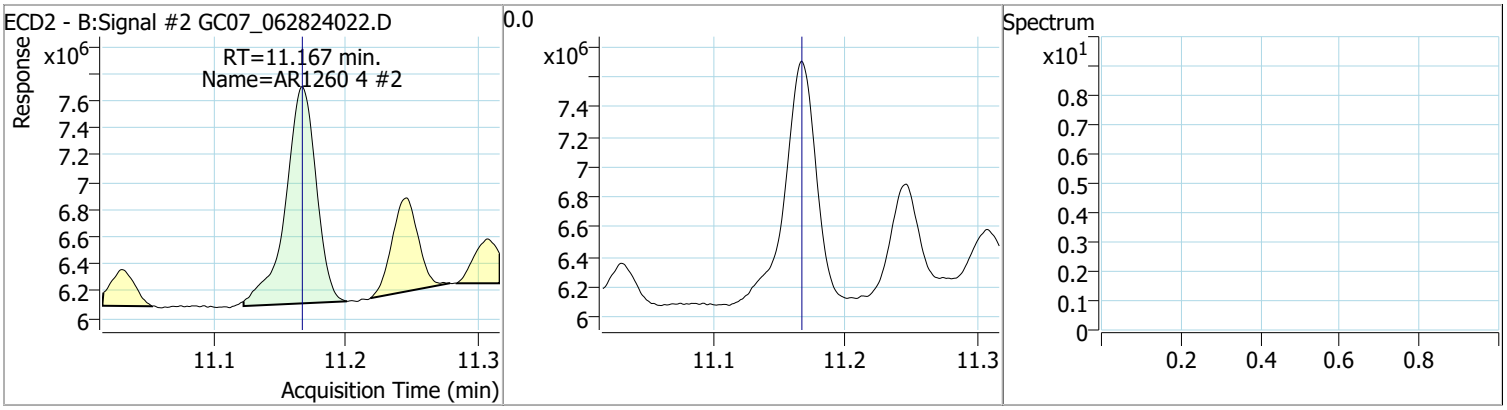
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	110.8829	10.75	0.00	4013258				



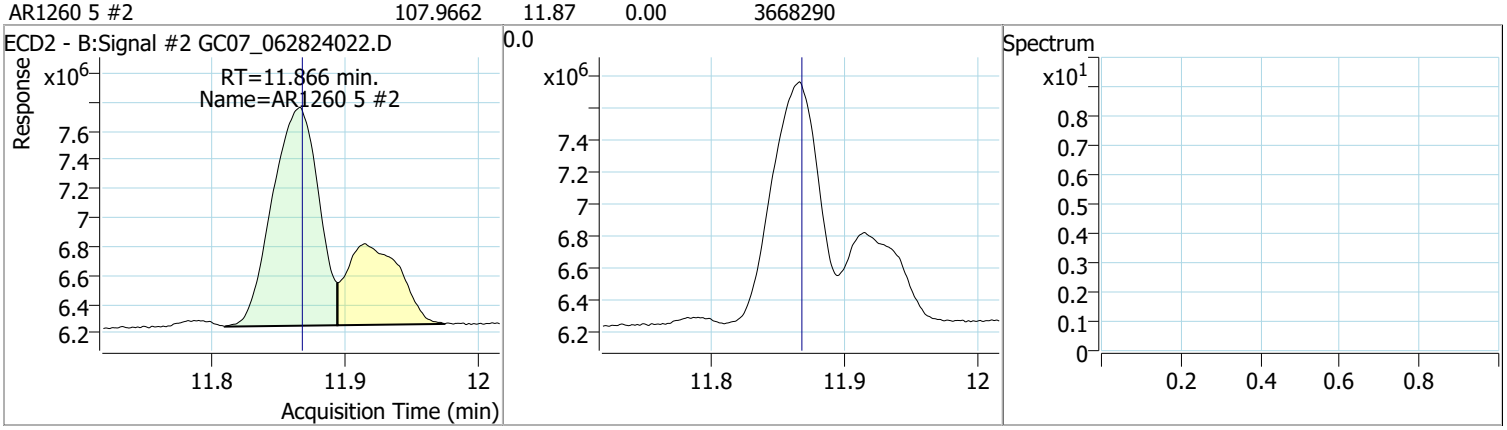
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	100.4884	10.97	0.00	9133510				



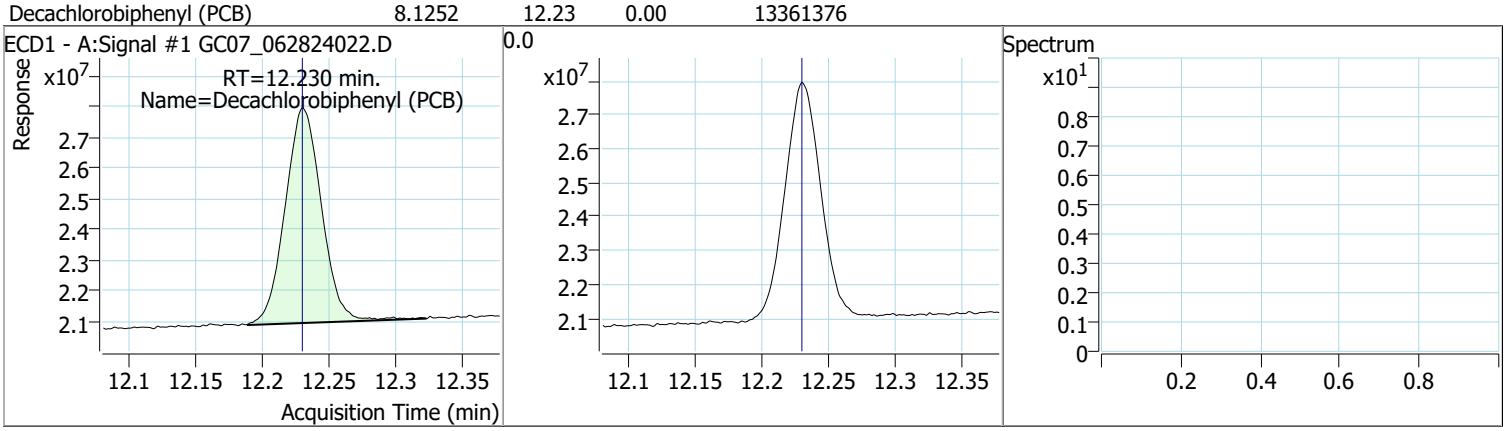
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.3837	11.17	0.00	2572032				



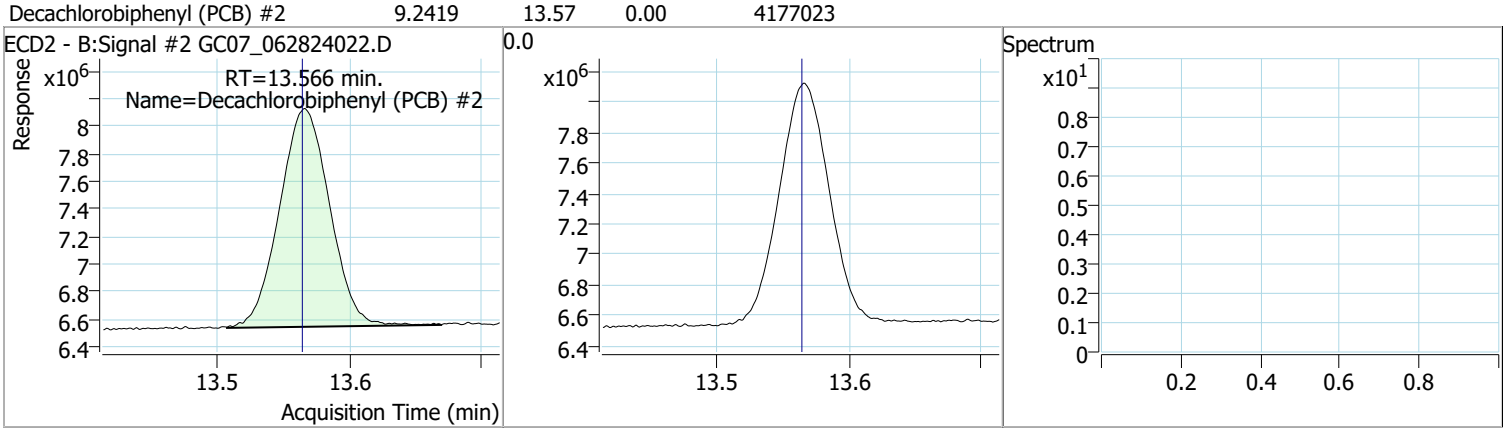
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.9662	11.87	0.00	3668290				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1252	12.23	0.00	13361376				

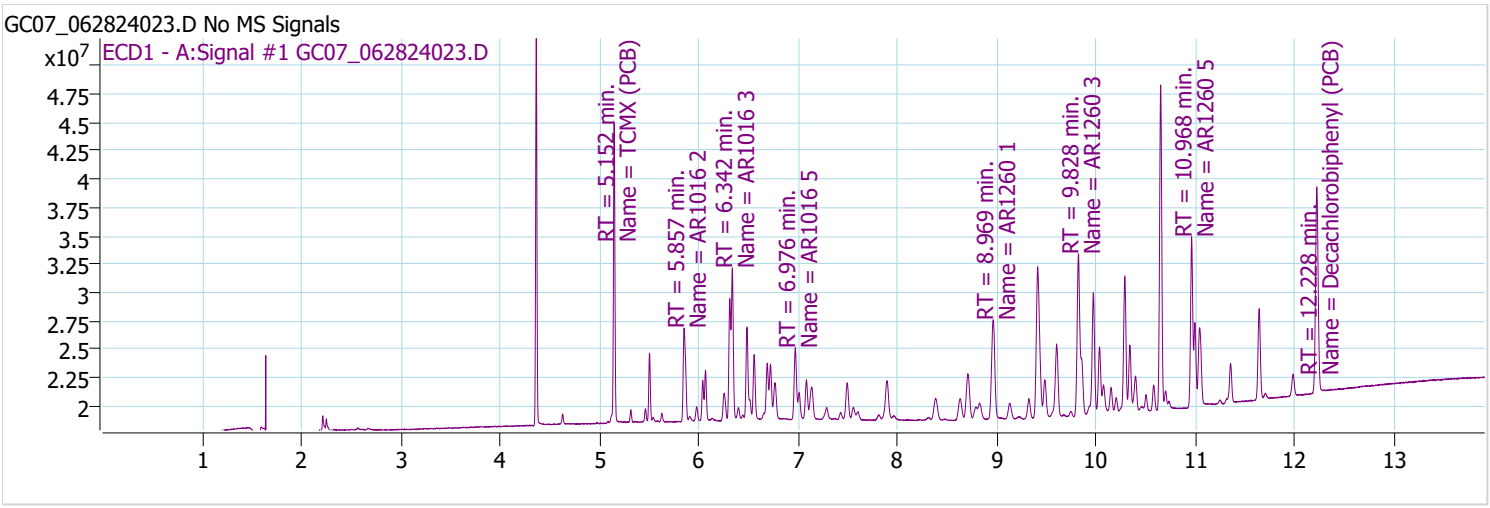


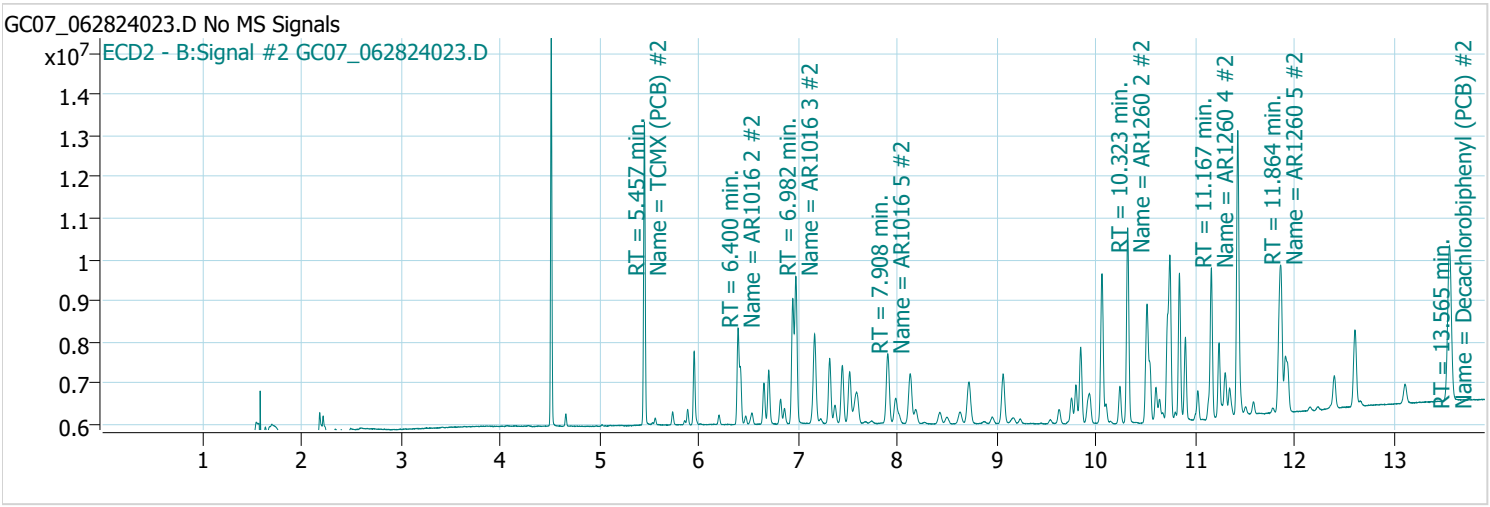
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.2419	13.57	0.00	4177023				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:56:00 PM
Sample Name	ICAL, S20886	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



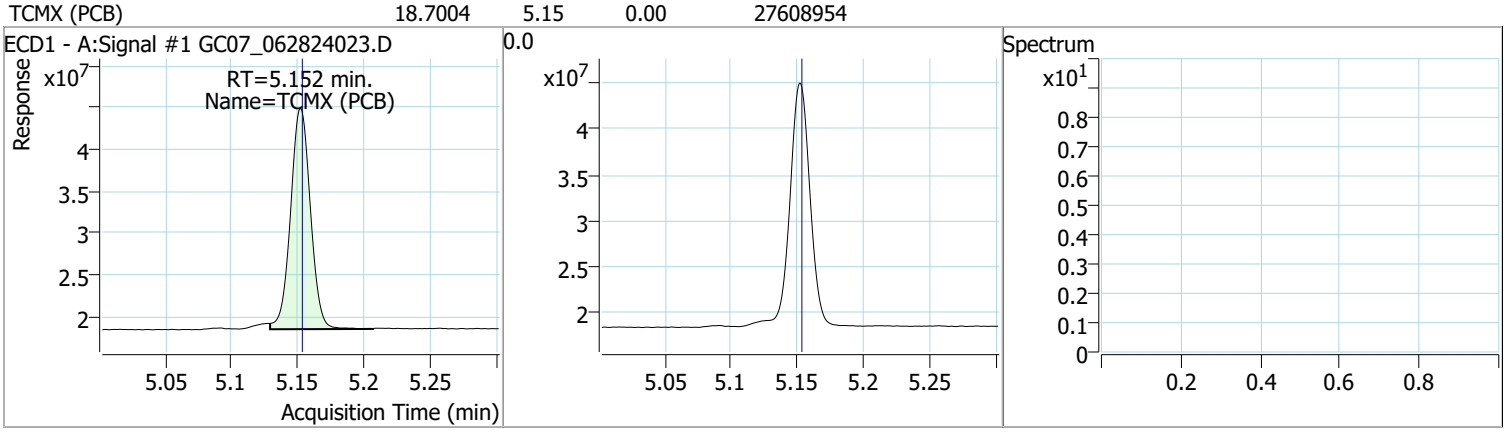


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31516744.949	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8706647.683	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.152	0.0	27608953.925	18.7004	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.50%		
S TCMX (PCB) #2	5.457	0.0	8294986.508	19.8628	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.31%		
S Decachlorobiphenyl (PCB)	12.228	0.0	33725109.800	19.4084	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.04%		
S Decachlorobiphenyl (PCB) #2	13.565	0.0	9967762.798	20.9563	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		
Target Compounds						QValue

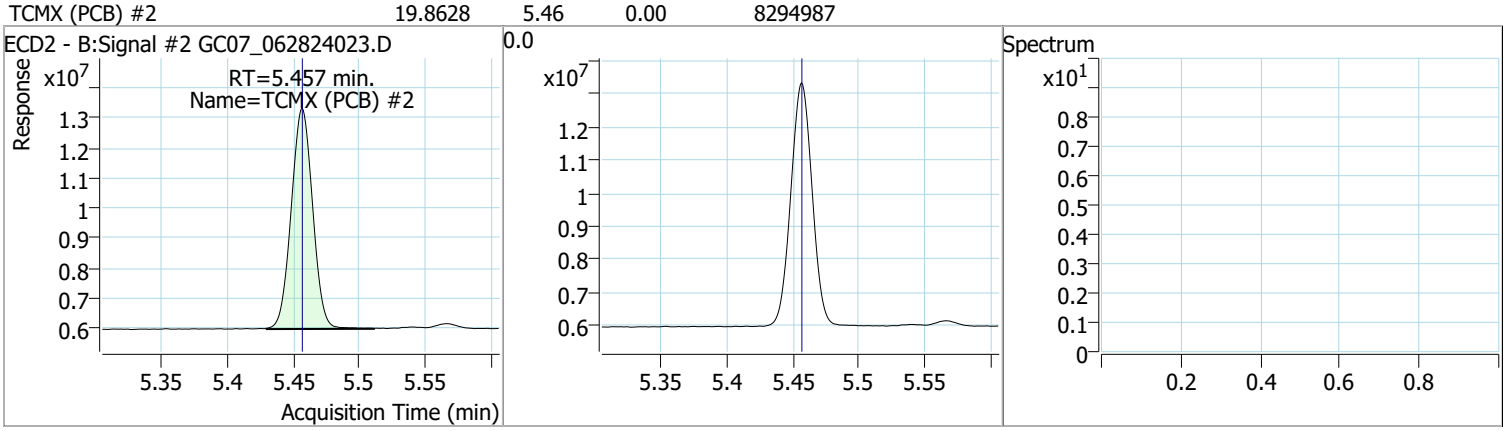
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	6712192.610	243.6488	ng/ml		100
T AR1016 2	5.857	0.0	14250498.409	249.0043	ng/ml		100
T AR1016 1 #2	5.958	0.0	2323840.604	252.7851	ng/ml		100
T AR1016 3	6.342	0.0	17918366.850	249.5585	ng/ml		100
T AR1016 2 #2	6.400	0.0	5008145.479	263.6804	ng/ml		100
T AR1016 4	6.489	0.0	11491489.665	239.9662	ng/ml	m	100
T AR1016 5	6.976	0.0	10438984.181	247.9935	ng/ml		100
T AR1016 3 #2	6.982	0.0	6112061.267	258.0191	ng/ml		100
T AR1016 4 #2	7.171	0.0	4463261.982	254.8793	ng/ml		100
T AR1016 5 #2	7.908	0.0	3656086.320	258.1464	ng/ml		100
T AR1260 1	8.969	0.0	19845618.595	235.0727	ng/ml		100
T AR1260 2	9.418	0.0	30959966.163	240.1138	ng/ml		100
T AR1260 3	9.828	0.0	33635868.400	242.4531	ng/ml	m	100
T AR1260 1 #2	10.065	0.0	6539148.105	259.6026	ng/ml		100
T AR1260 4	10.295	0.0	19650501.043	245.0021	ng/ml		100
T AR1260 2 #2	10.323	0.0	7907548.739	249.8895	ng/ml		100
T AR1260 3 #2	10.748	0.0	9518789.508	249.9024	ng/ml		100
T AR1260 5	10.968	0.0	22933282.020	238.7815	ng/ml		100
T AR1260 4 #2	11.167	0.0	6190347.735	257.0178	ng/ml		100
T AR1260 5 #2	11.864	0.0	8834908.385	247.0855	ng/ml		100

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

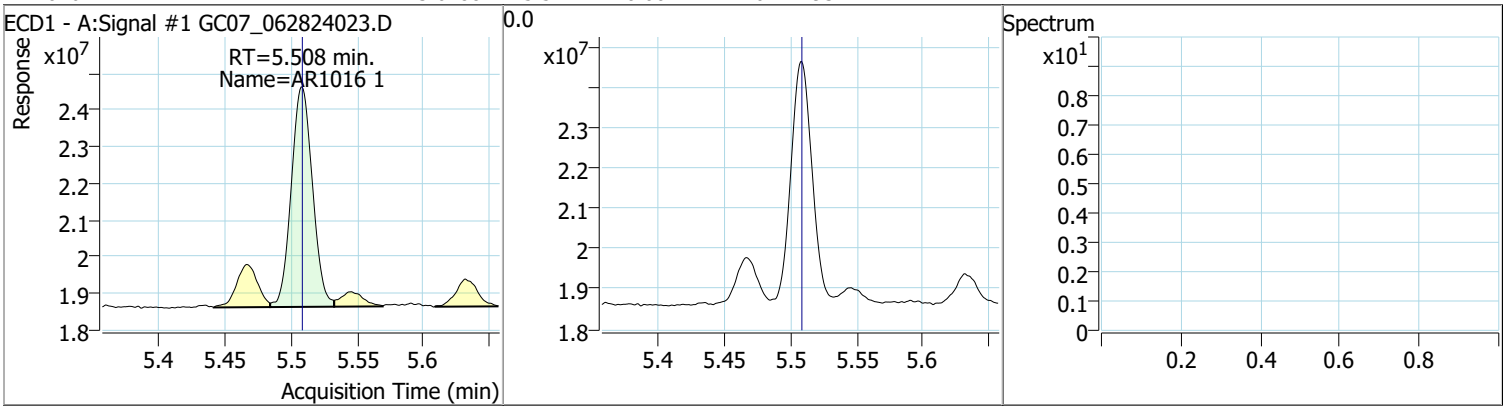
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7004	5.15	0.00	27608954				



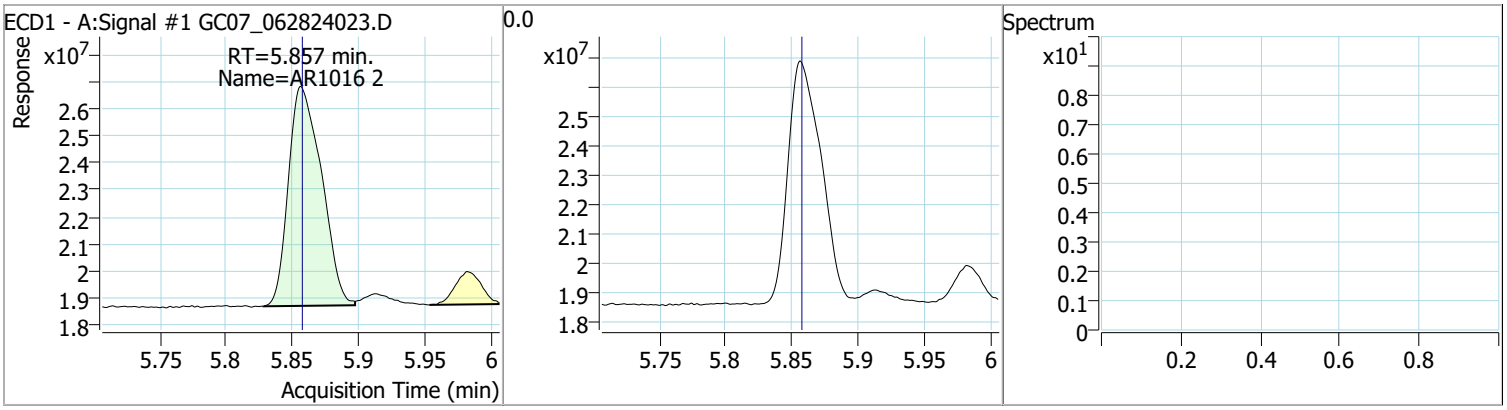
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.8628	5.46	0.00	8294987				



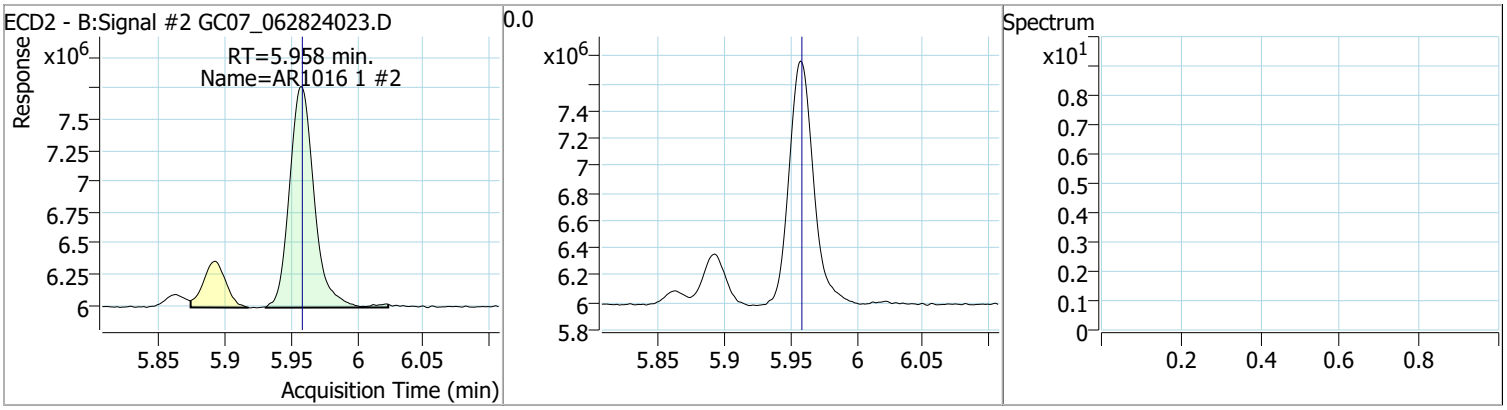
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	243.6488	5.51	0.00	6712193				



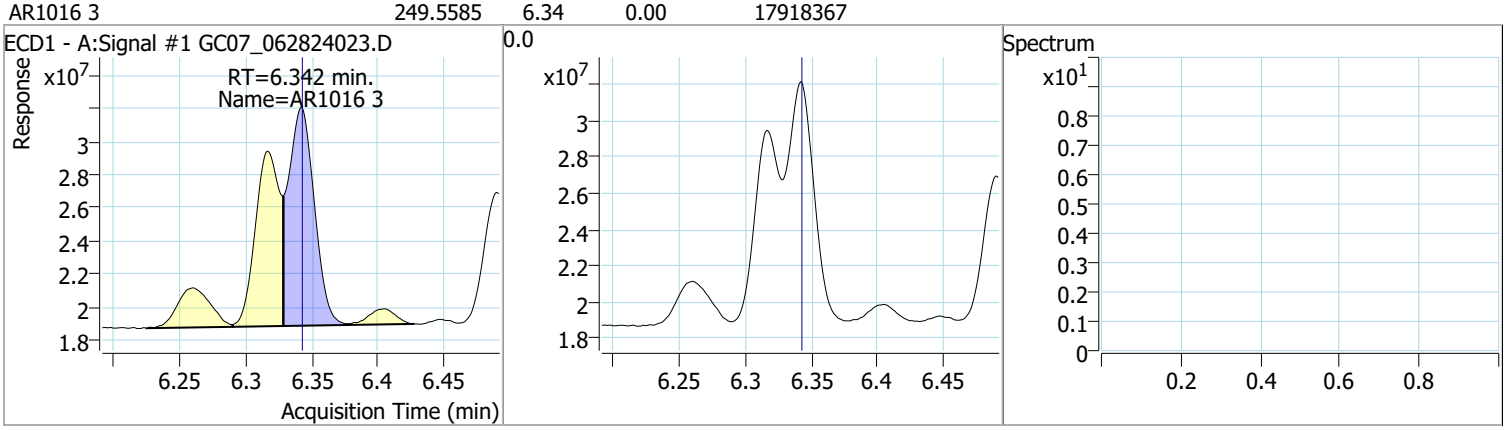
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	249.0043	5.86	0.00	14250498				



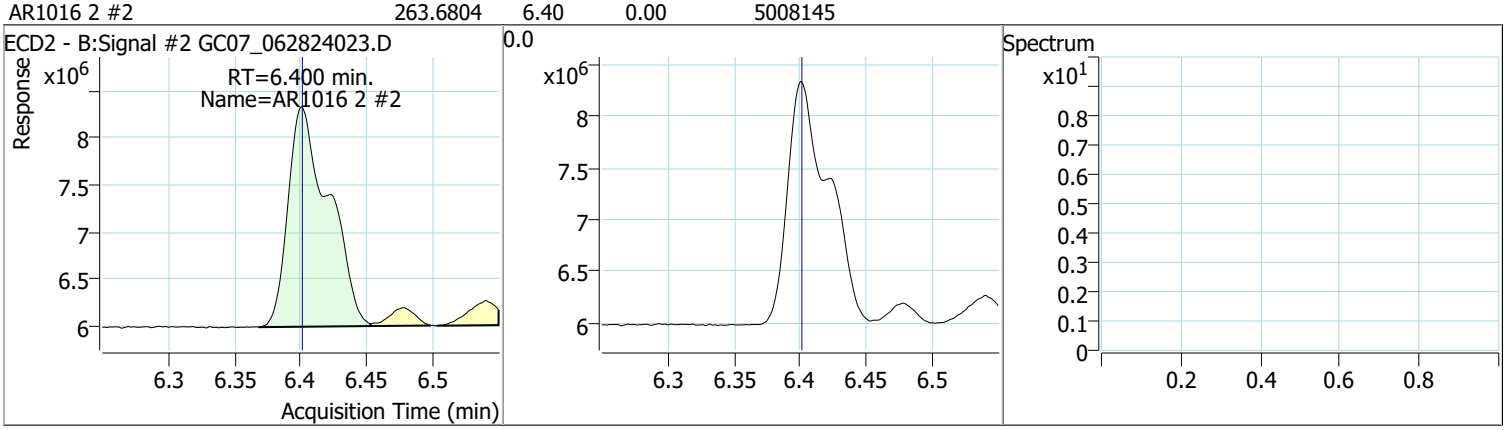
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	252.7851	5.96	0.00	2323841				



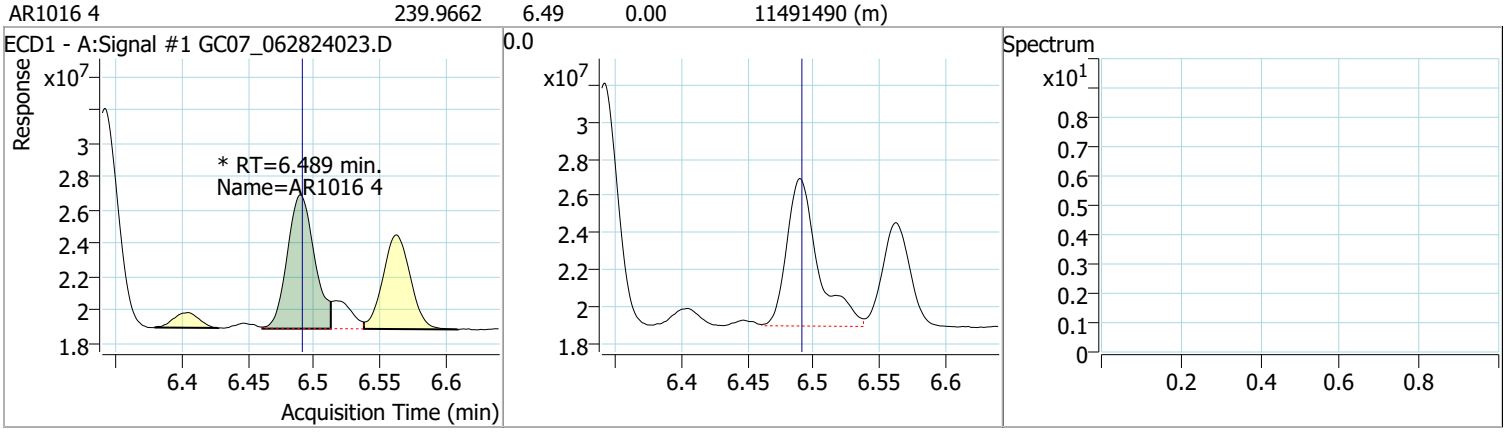
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	249.5585	6.34	0.00	17918367				



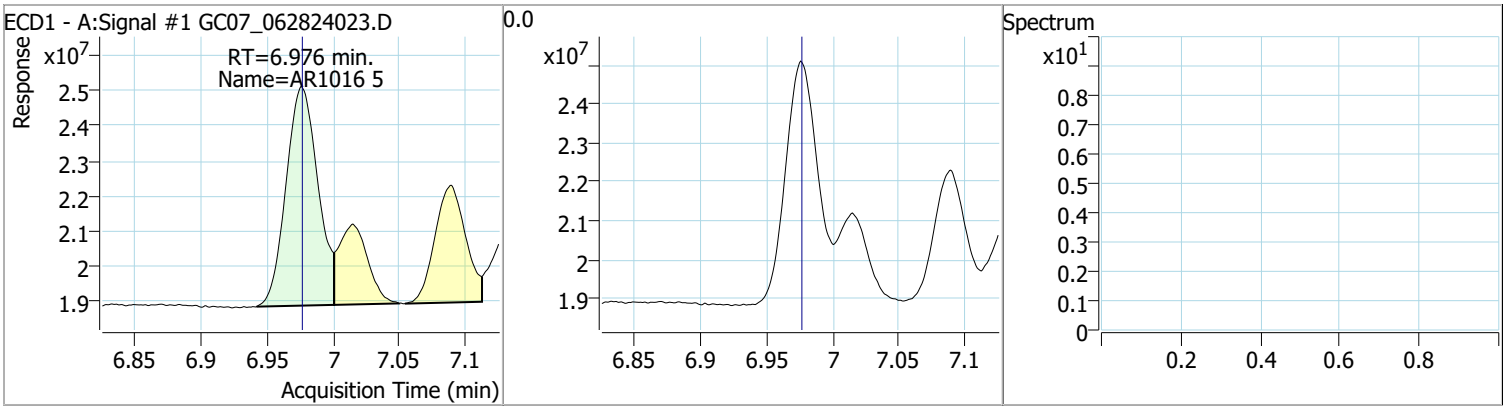
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	263.6804	6.40	0.00	5008145				



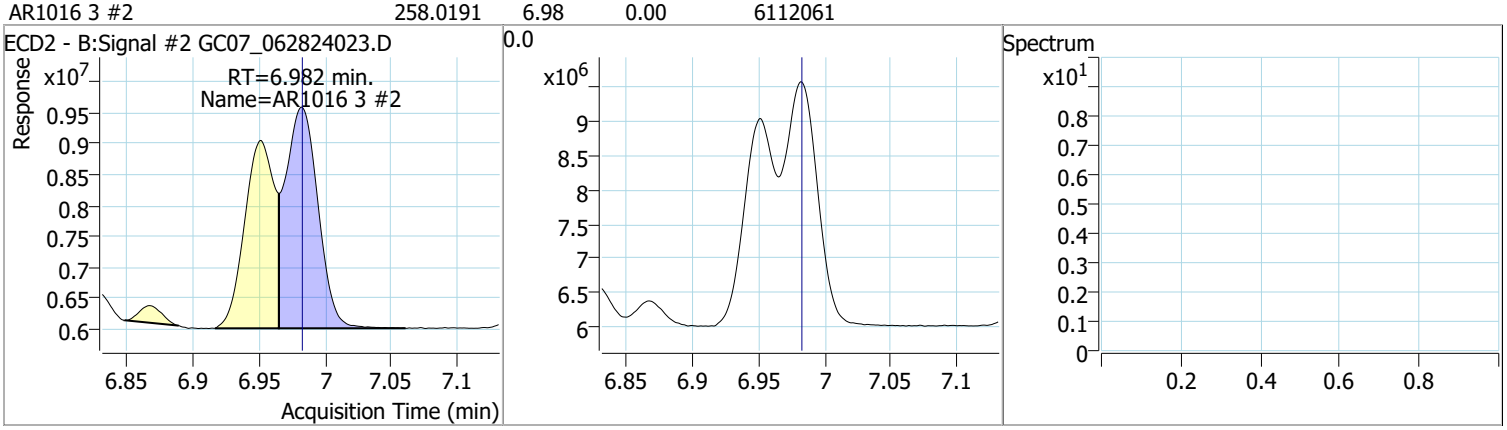
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	239.9662	6.49	0.00	11491490 (m)				



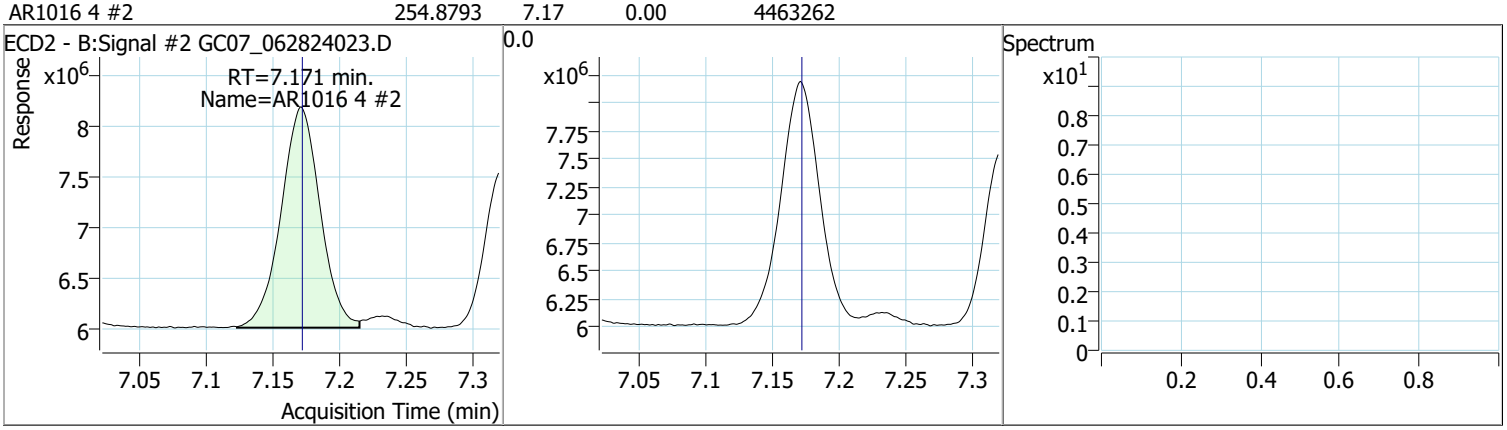
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	247.9935	6.98	0.00	10438984				



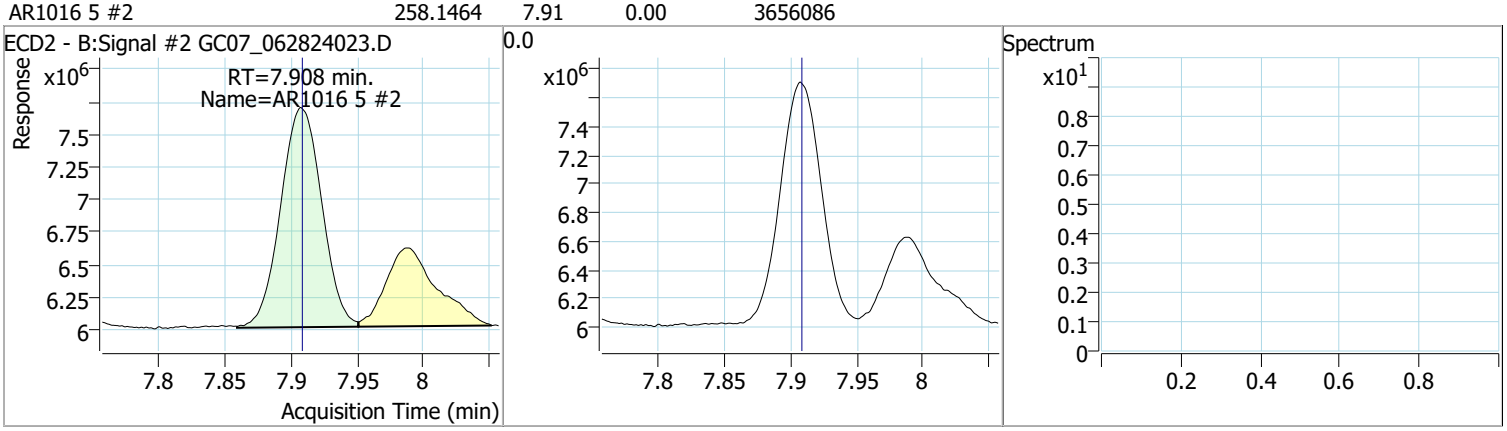
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	258.0191	6.98	0.00	6112061				



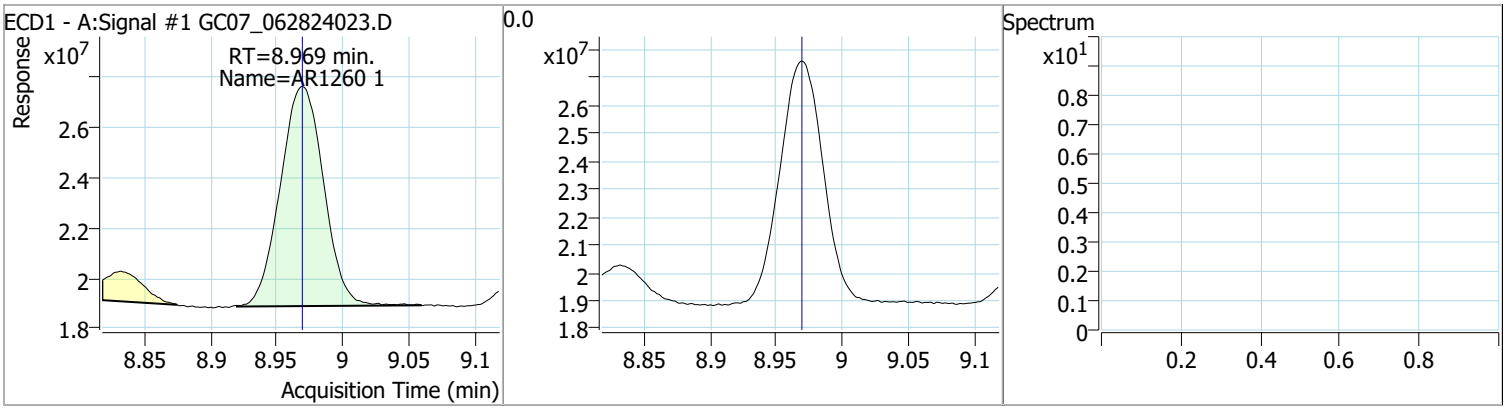
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	254.8793	7.17	0.00	4463262				



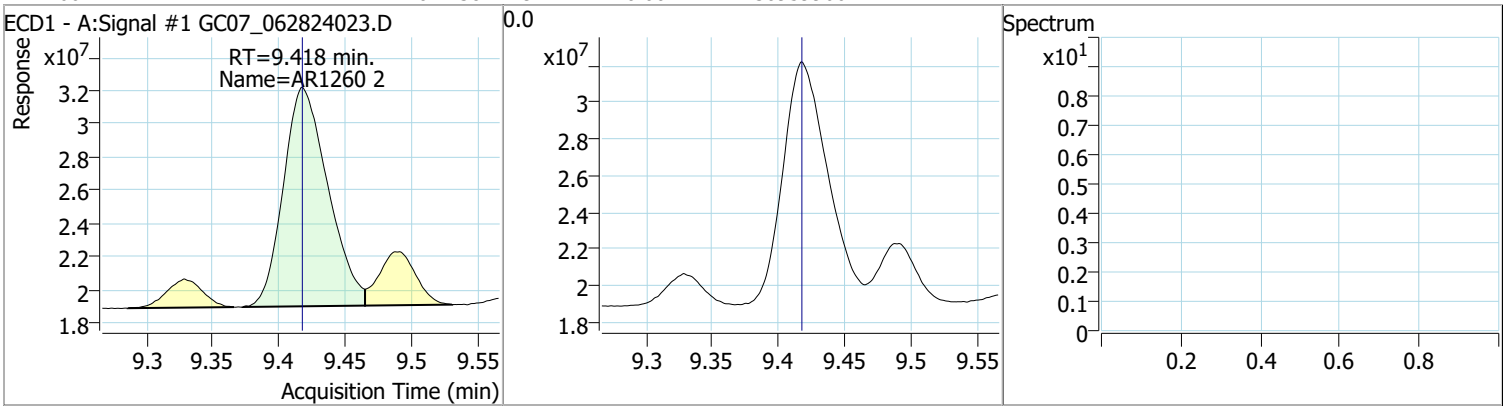
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	258.1464	7.91	0.00	3656086				



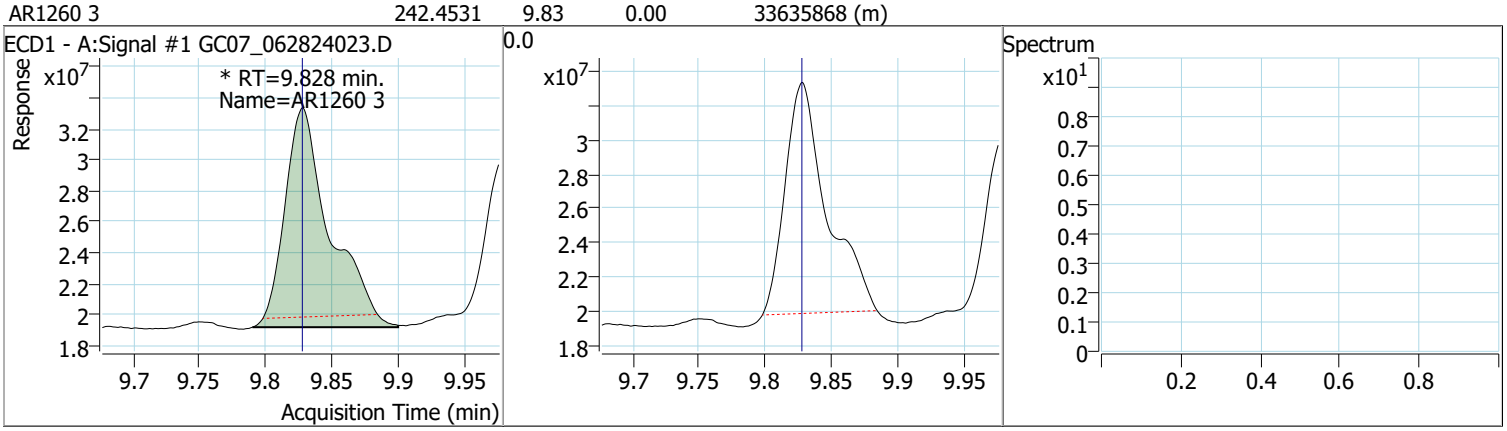
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0727	8.97	0.00	19845619				



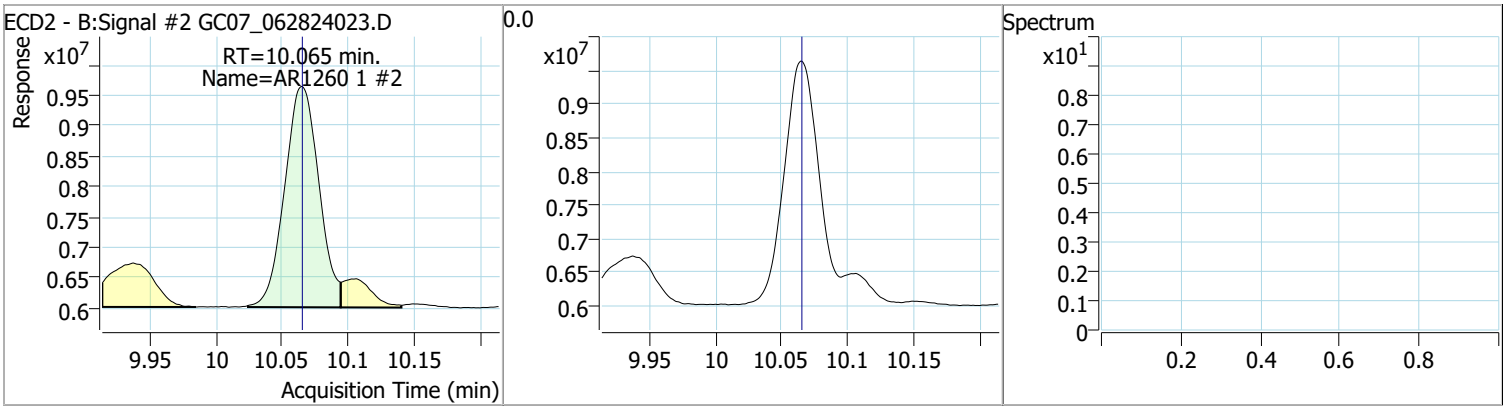
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	240.1138	9.42	0.00	30959966				



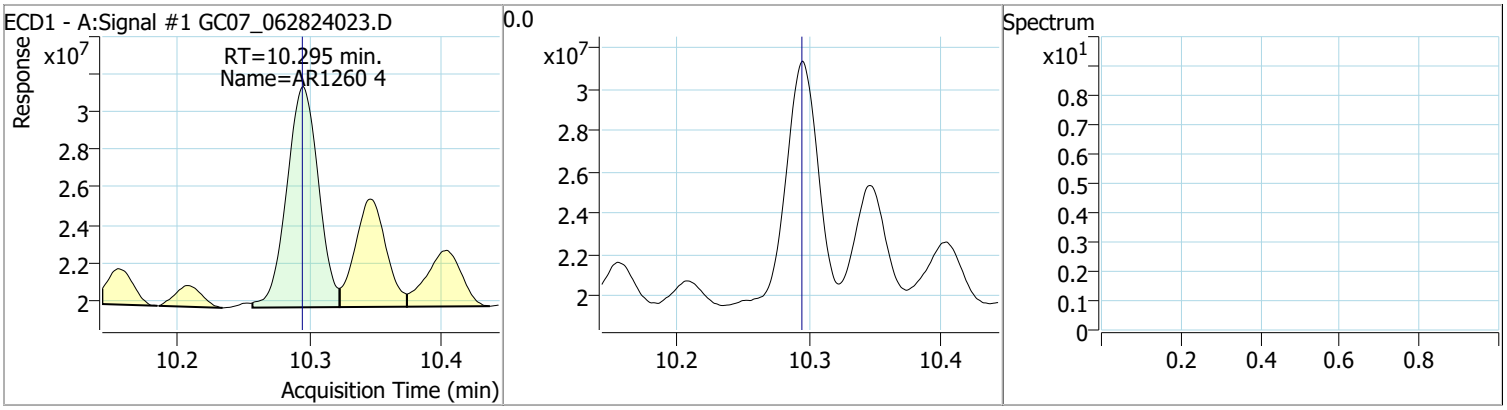
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	242.4531	9.83	0.00	33635868 (m)				



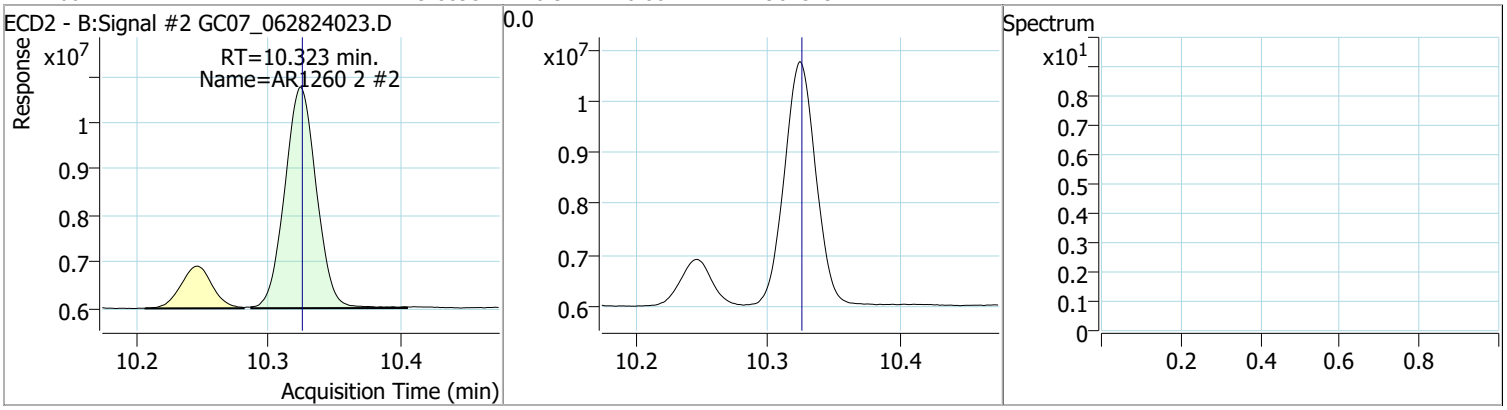
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	259.6026	10.07	0.00	6539148				



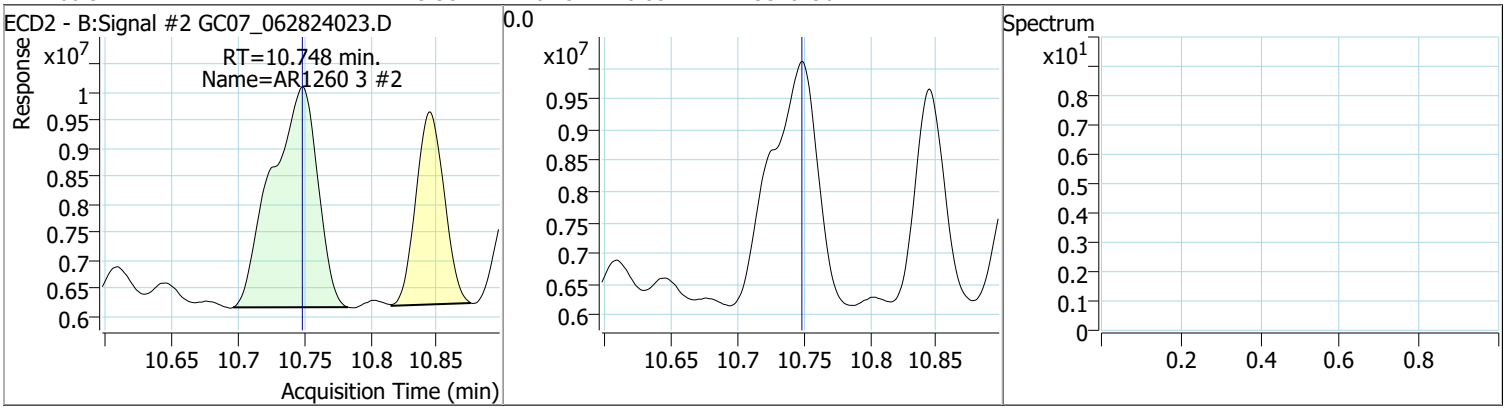
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.0021	10.30	0.00	19650501				



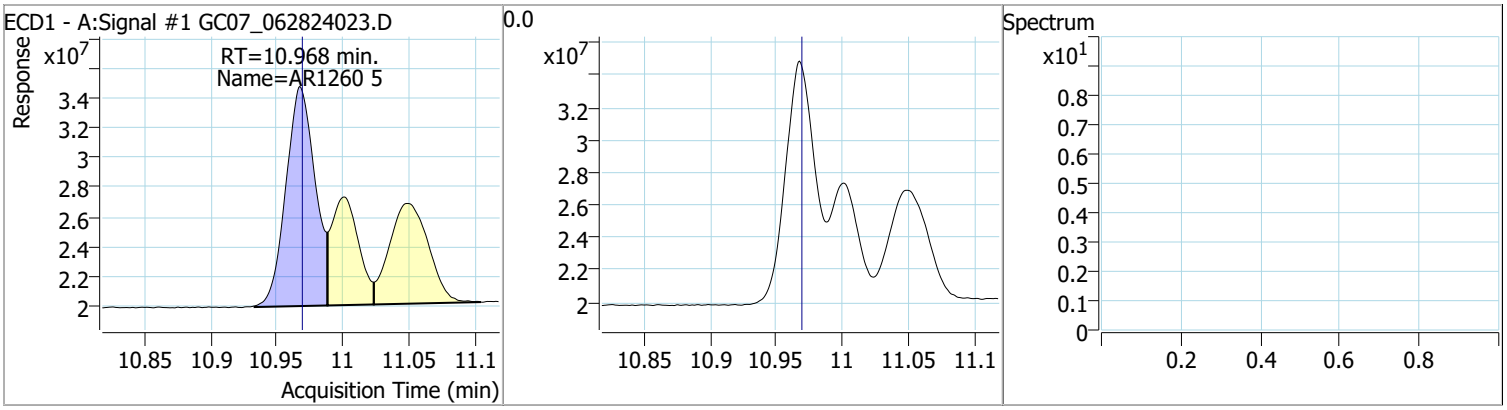
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	249.8895	10.32	0.00	7907549				



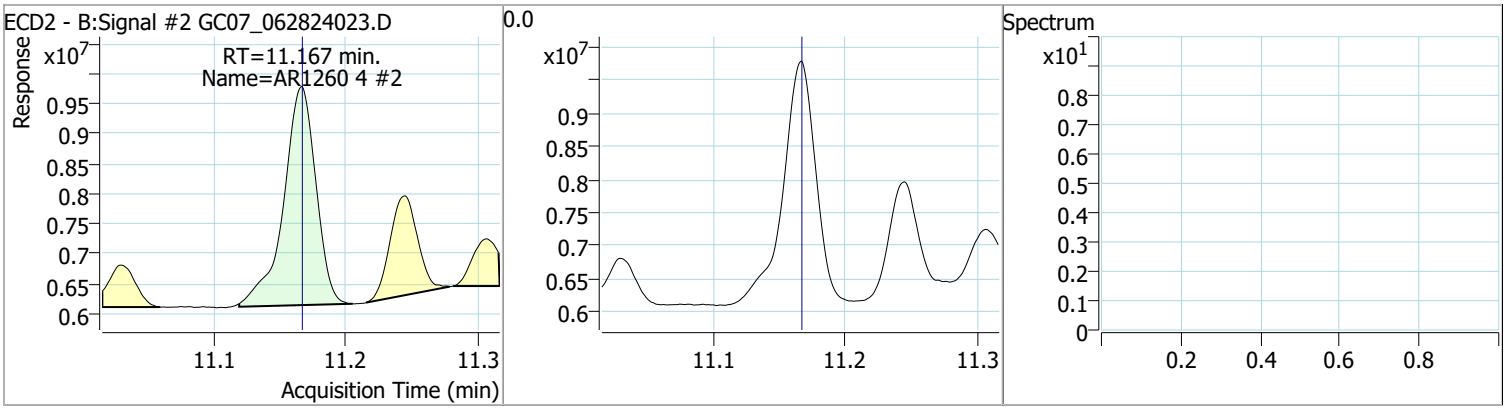
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	249.9024	10.75	0.00	9518790				



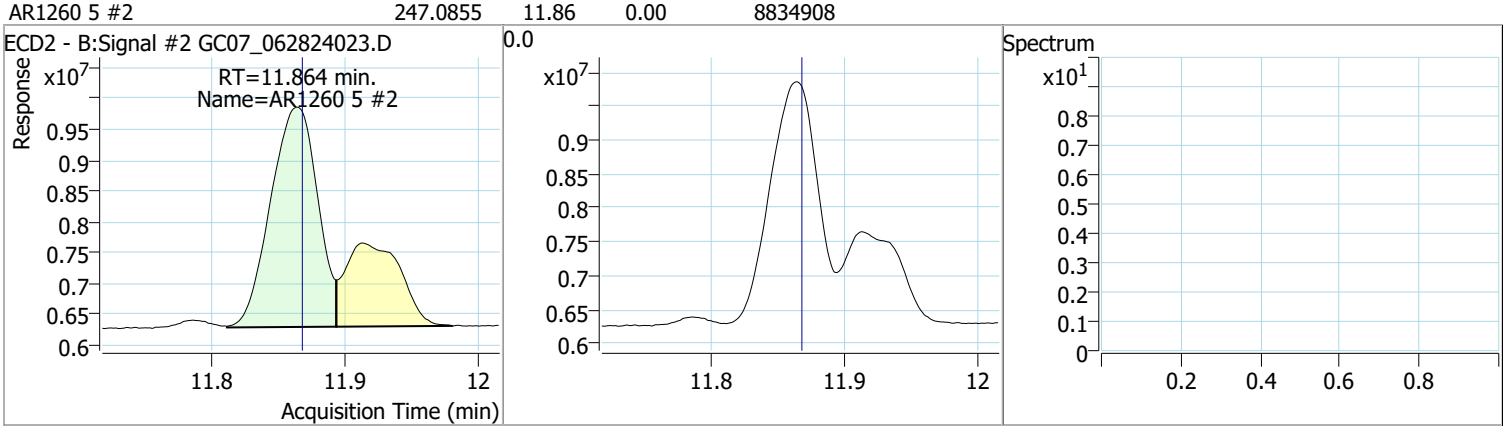
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	238.7815	10.97	0.00	22933282				



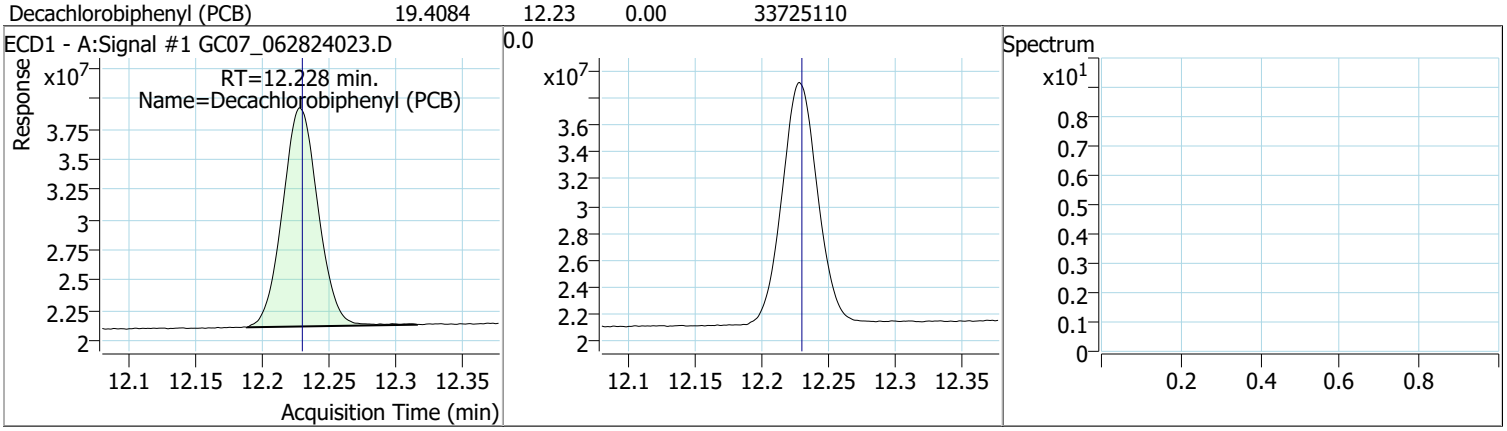
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	257.0178	11.17	0.00	6190348				



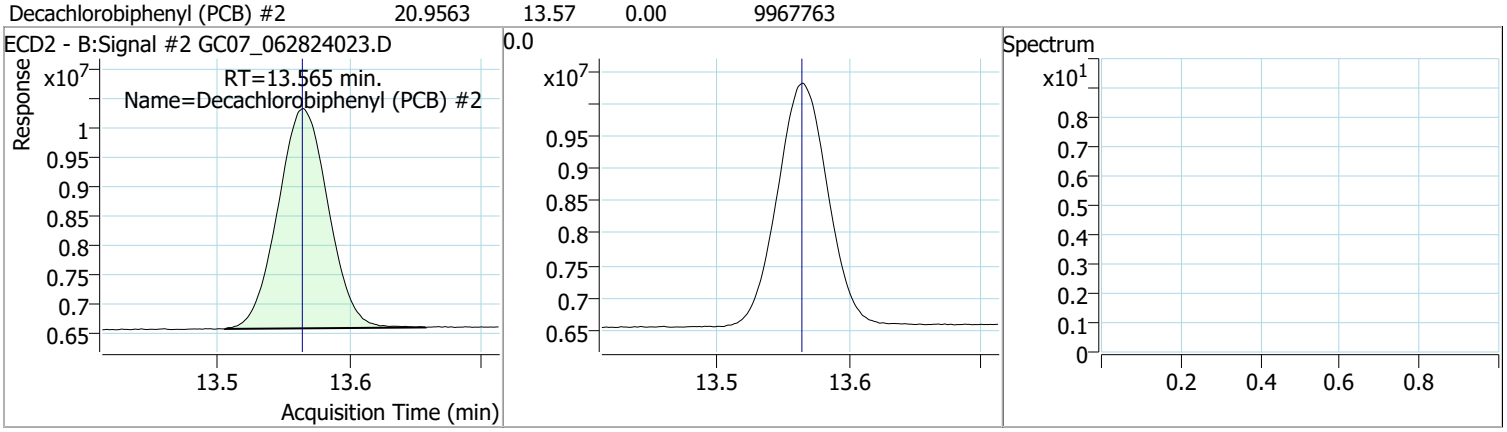
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	247.0855	11.86	0.00	8834908				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4084	12.23	0.00	33725110				

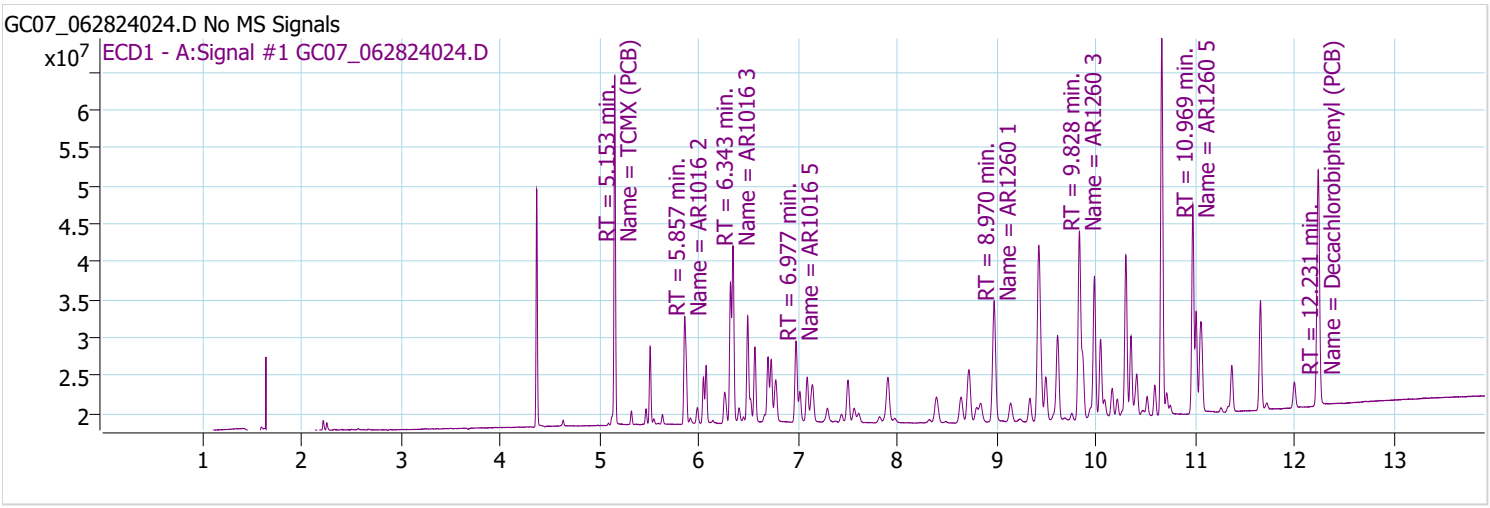


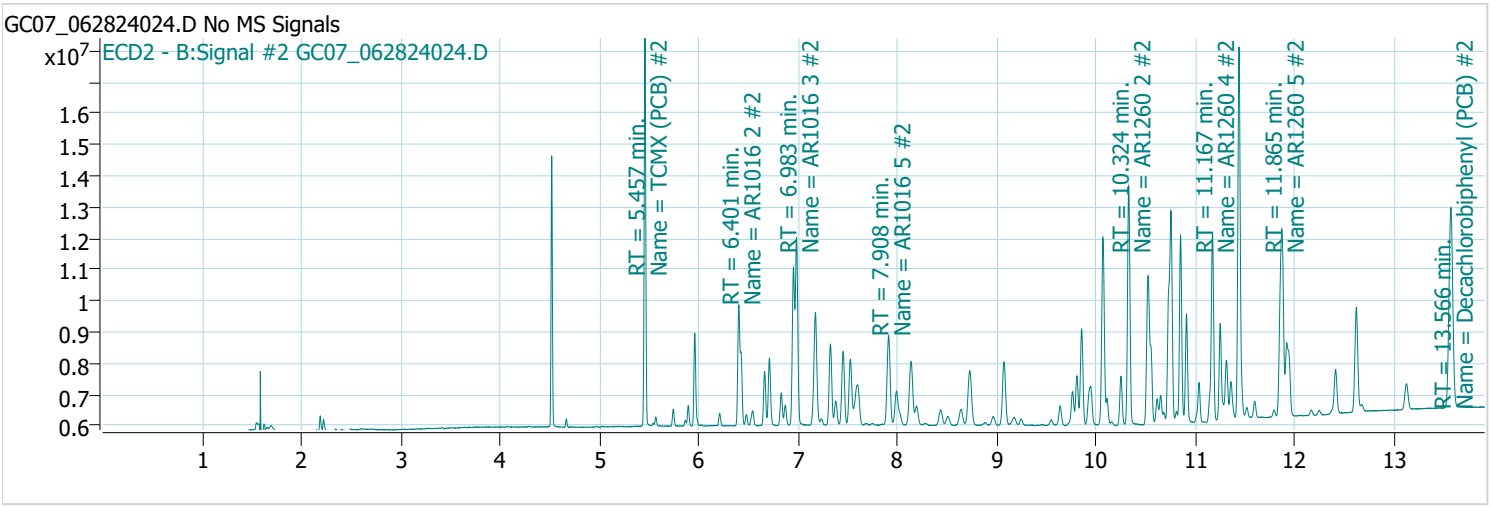
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9563	13.57	0.00	9967763				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:13:27 PM
Sample Name	ICAL, S20887	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



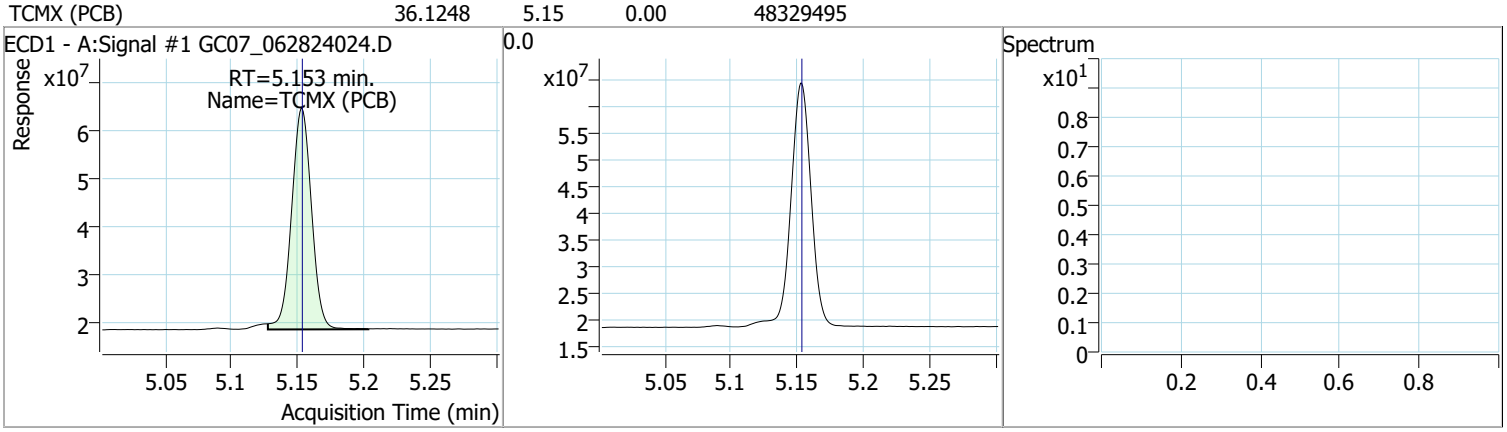


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28559390.830	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8178446.735	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	48329494.591	36.1248	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.62%		*	
S TCMX (PCB) #2	5.457	0.0	14145725.048	36.0604	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.30%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	59871129.047	38.0230	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.12%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	17397856.564	38.9397	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%		*	
Target Compounds							QValue

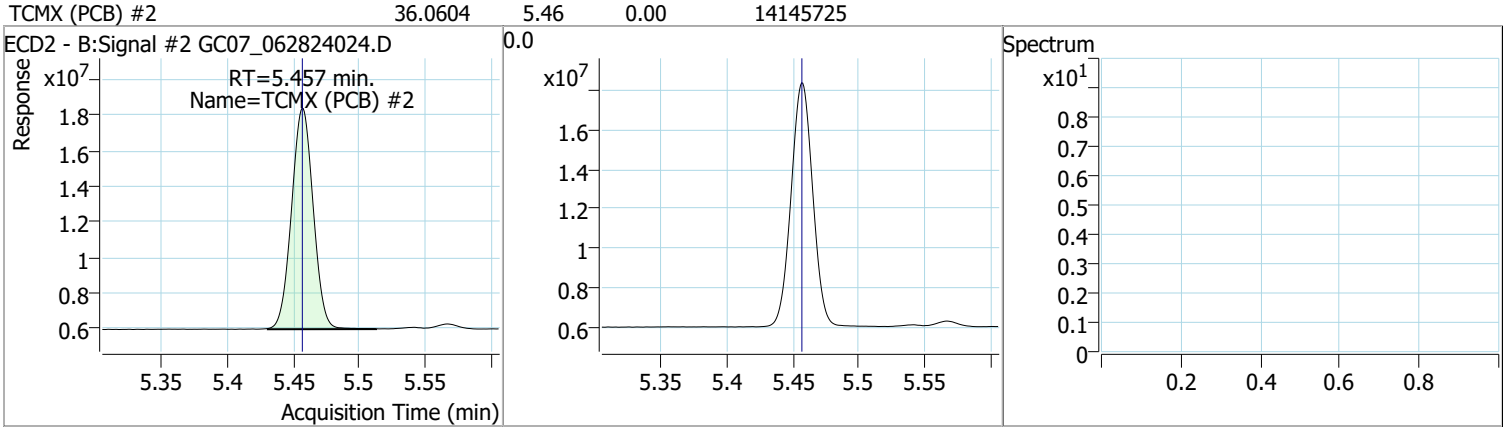
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.509	0.0	11456349.124	458.9217	ng/ml		100
T AR1016 2	5.857	0.0	24370875.013	469.9378	ng/ml		100
T AR1016 1 #2	5.958	0.0	3894646.511	451.0175	ng/ml		100
T AR1016 3	6.343	0.0	31510228.277	484.3037	ng/ml		100
T AR1016 2 #2	6.401	0.0	8436943.174	472.8965	ng/ml		100
T AR1016 4	6.491	0.0	20171592.797	464.8430	ng/ml	m	100
T AR1016 5	6.977	0.0	17790602.632	466.4070	ng/ml		100
T AR1016 3 #2	6.983	0.0	10321710.674	463.8696	ng/ml		100
T AR1016 4 #2	7.172	0.0	7517043.584	456.9929	ng/ml		100
T AR1016 5 #2	7.908	0.0	6164598.652	463.3771	ng/ml		100
T AR1260 1	8.970	0.0	34968974.138	457.1017	ng/ml		100
T AR1260 2	9.420	0.0	54467793.982	466.1748	ng/ml		100
T AR1260 3	9.828	0.0	59512614.700	473.3981	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	10972294.321	463.7303	ng/ml		100
T AR1260 4	10.295	0.0	35258109.221	485.1182	ng/ml		100
T AR1260 2 #2	10.324	0.0	13186955.089	443.6401	ng/ml		100
T AR1260 3 #2	10.749	0.0	16208572.825	453.0160	ng/ml		100
T AR1260 5	10.969	0.0	41681149.473	478.9239	ng/ml		100
T AR1260 4 #2	11.167	0.0	10585125.258	467.8691	ng/ml		100
T AR1260 5 #2	11.865	0.0	15343499.870	456.8250	ng/ml		100

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

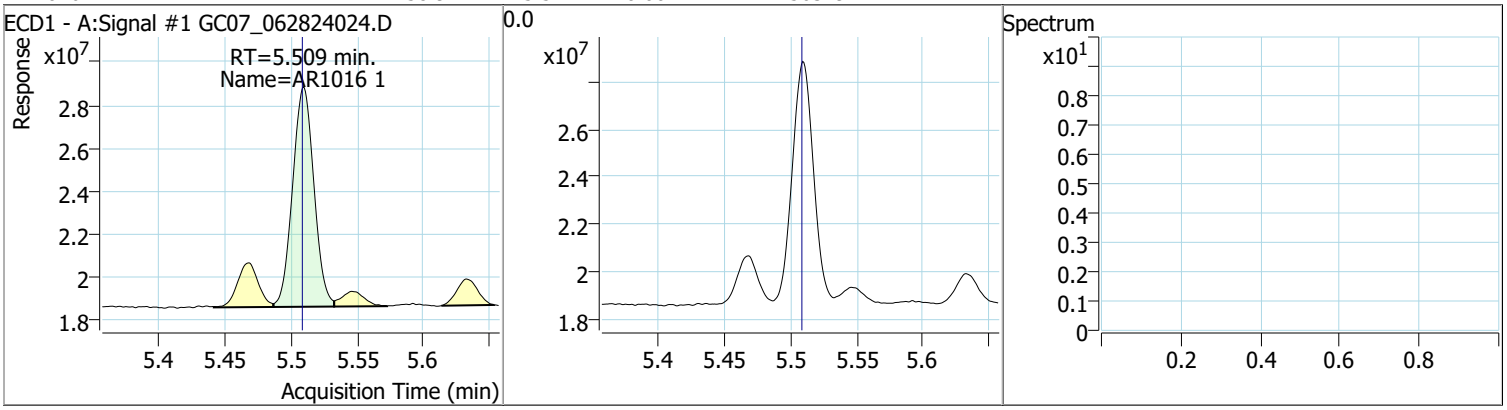
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1248	5.15	0.00	48329495				



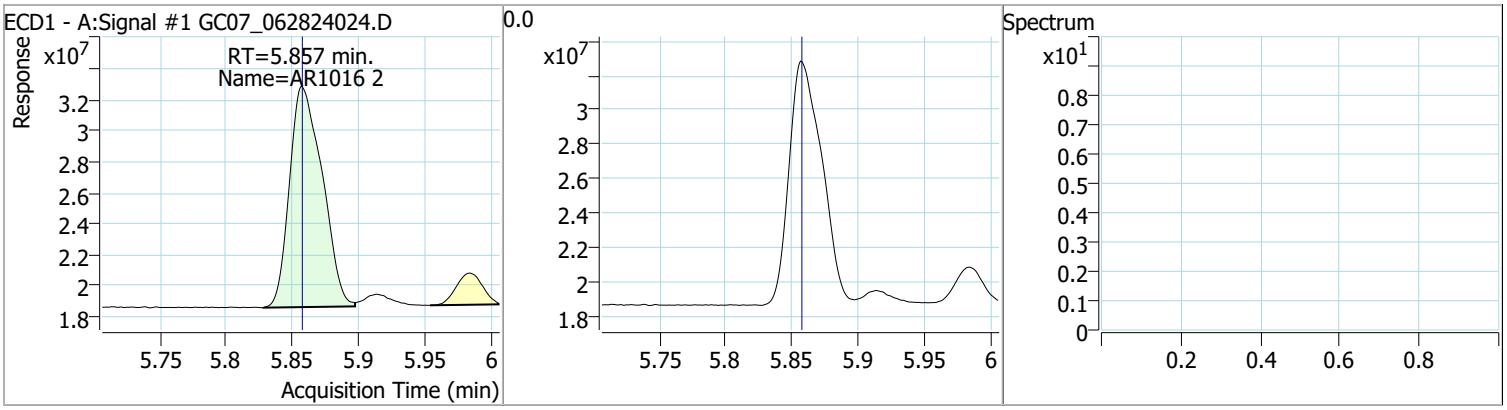
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0604	5.46	0.00	14145725				



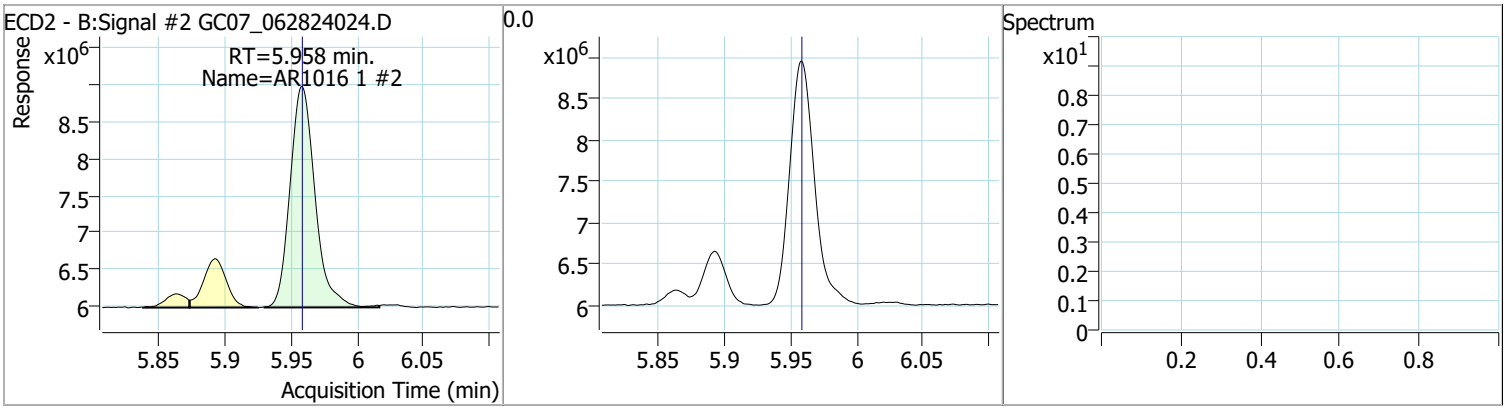
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.9217	5.51	0.00	11456349				



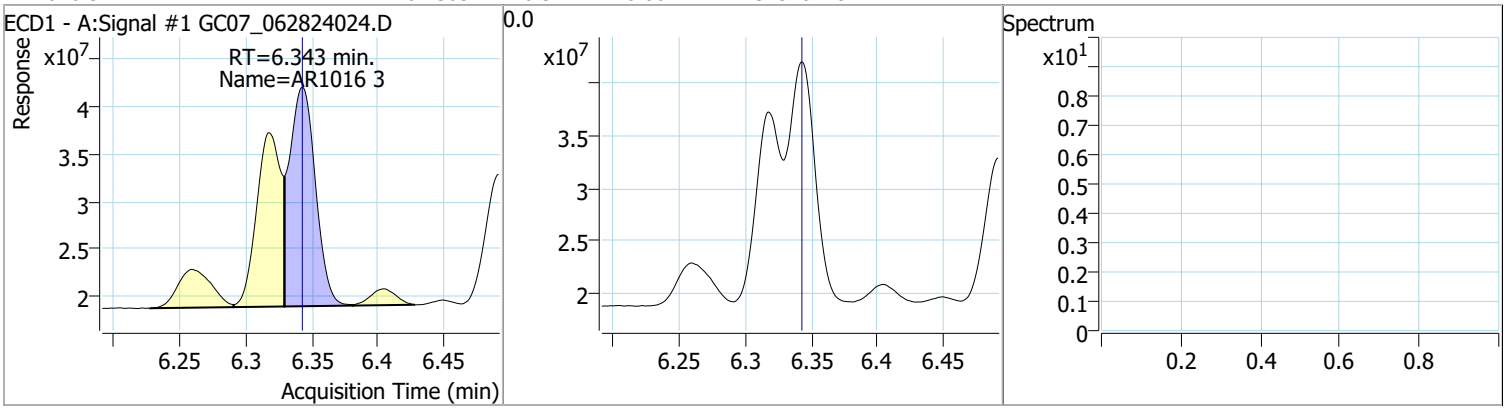
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	469.9378	5.86	0.00	24370875				



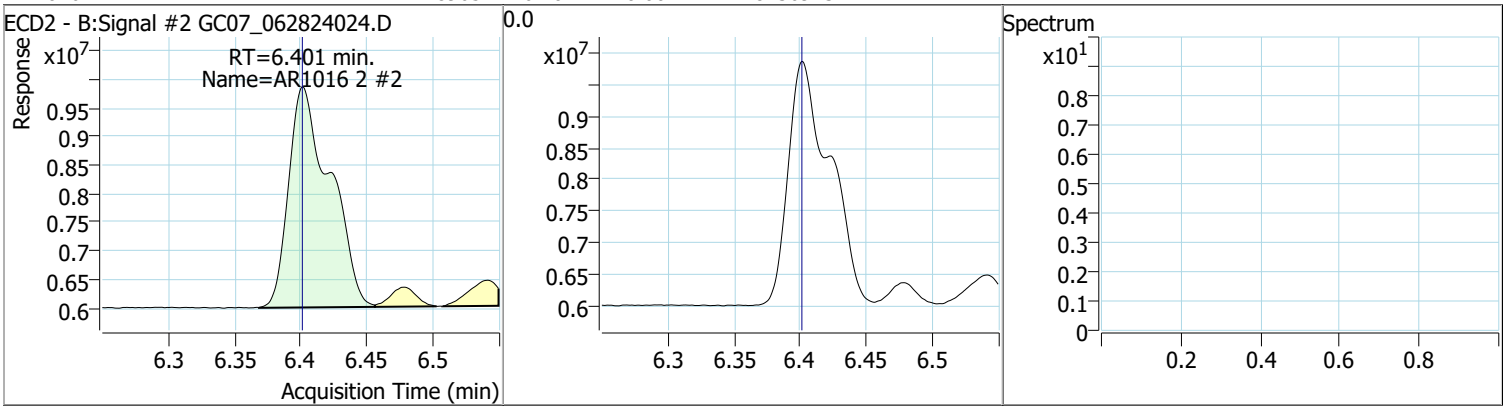
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.0175	5.96	0.00	3894647				



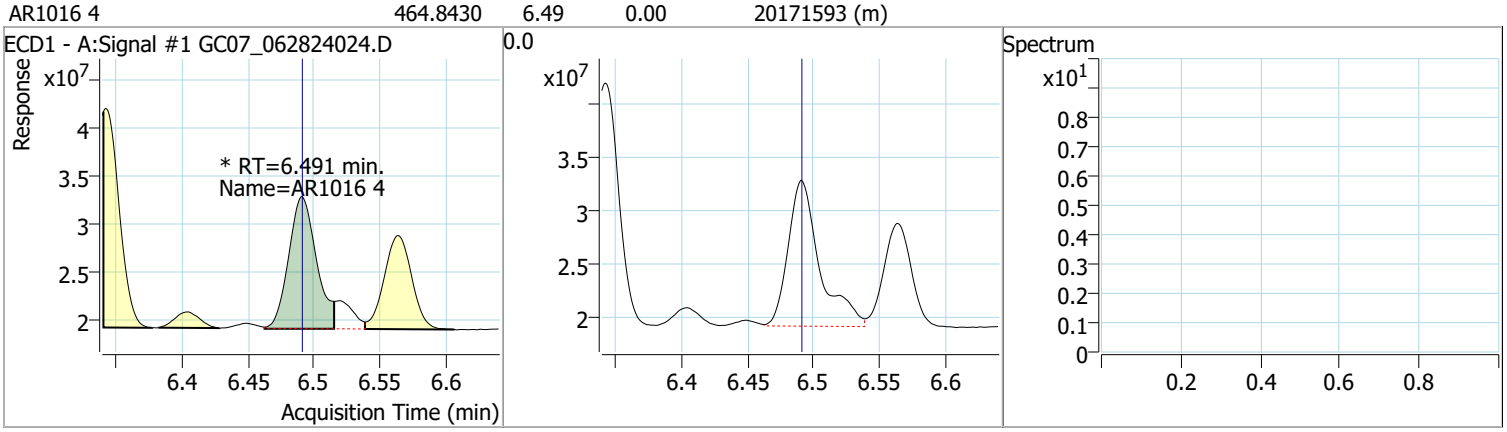
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	484.3037	6.34	0.00	31510228				



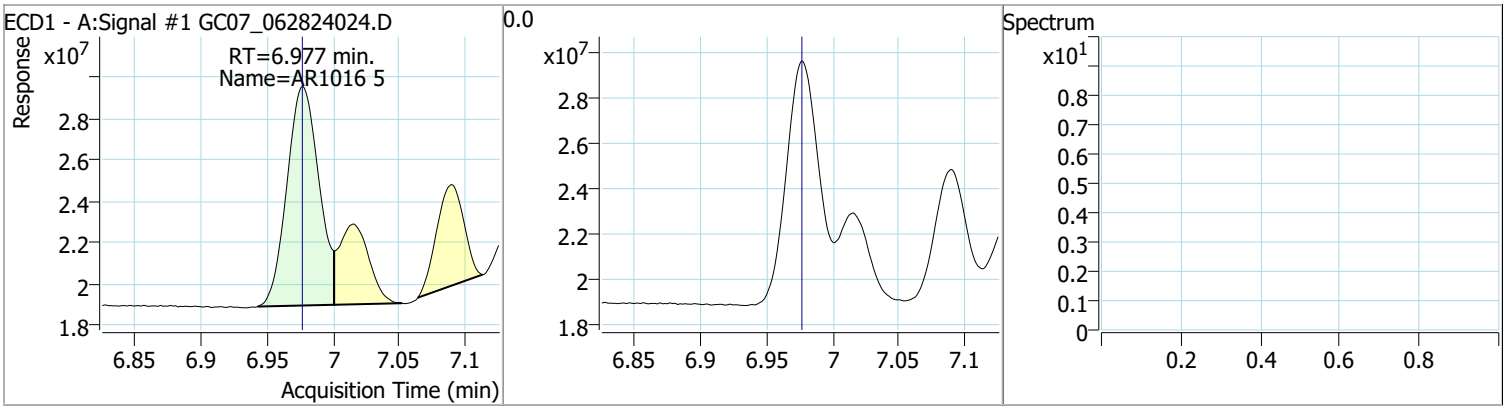
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8965	6.40	0.00	8436943				



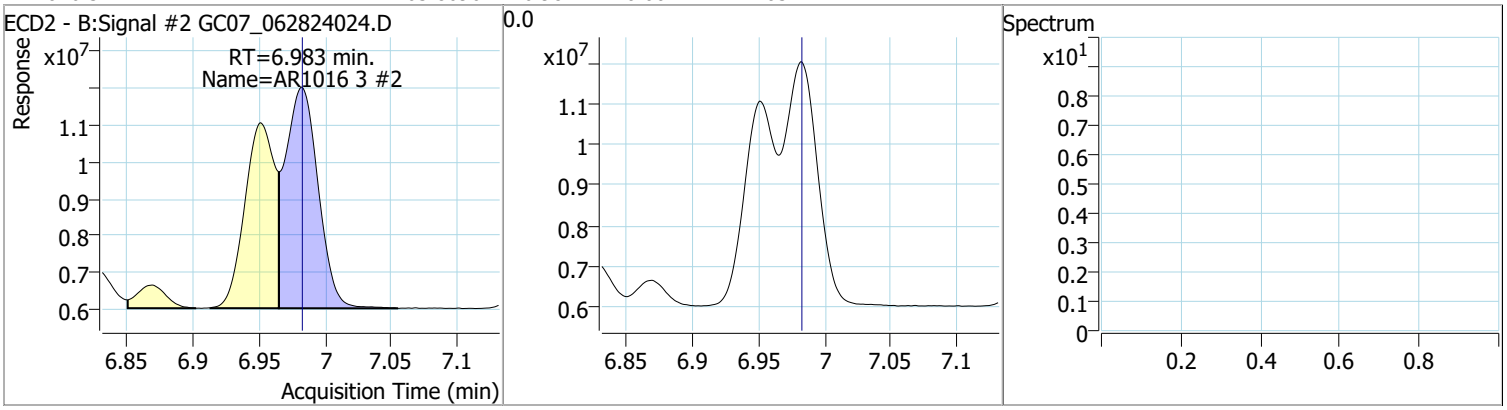
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.8430	6.49	0.00	20171593 (m)				



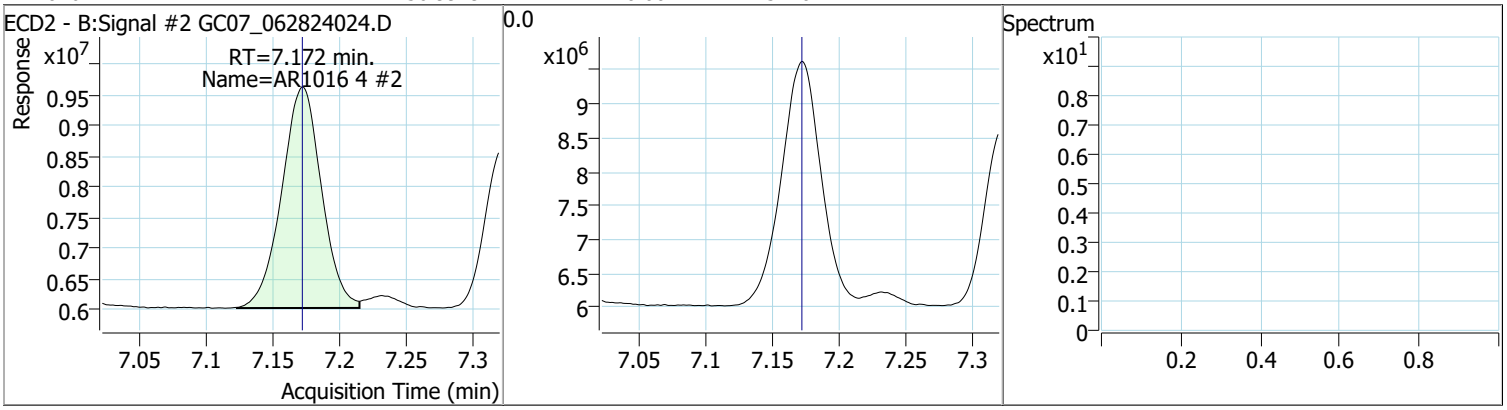
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	466.4070	6.98	0.00	17790603				



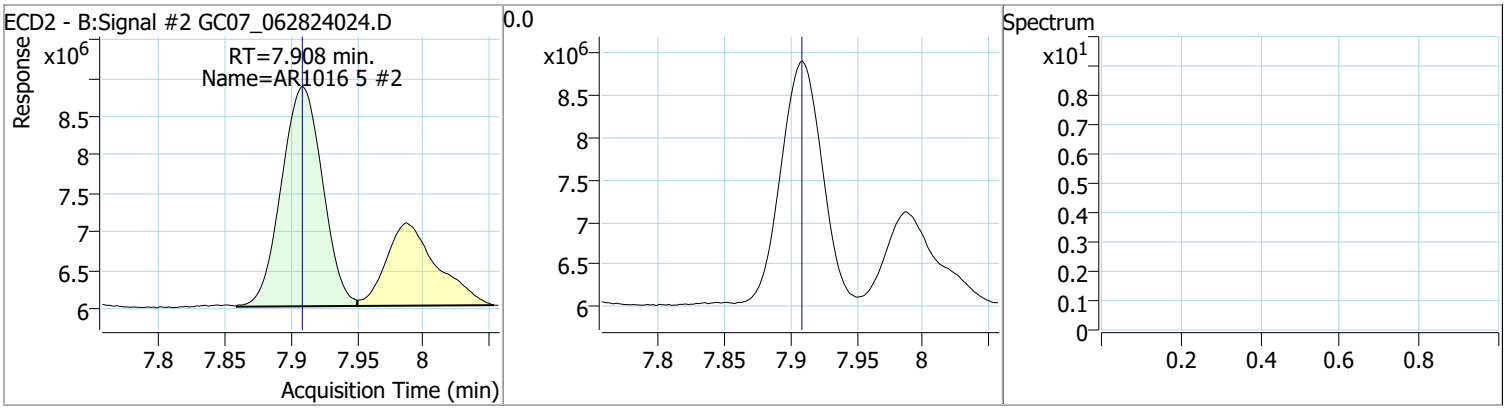
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	463.8696	6.98	0.00	10321711				



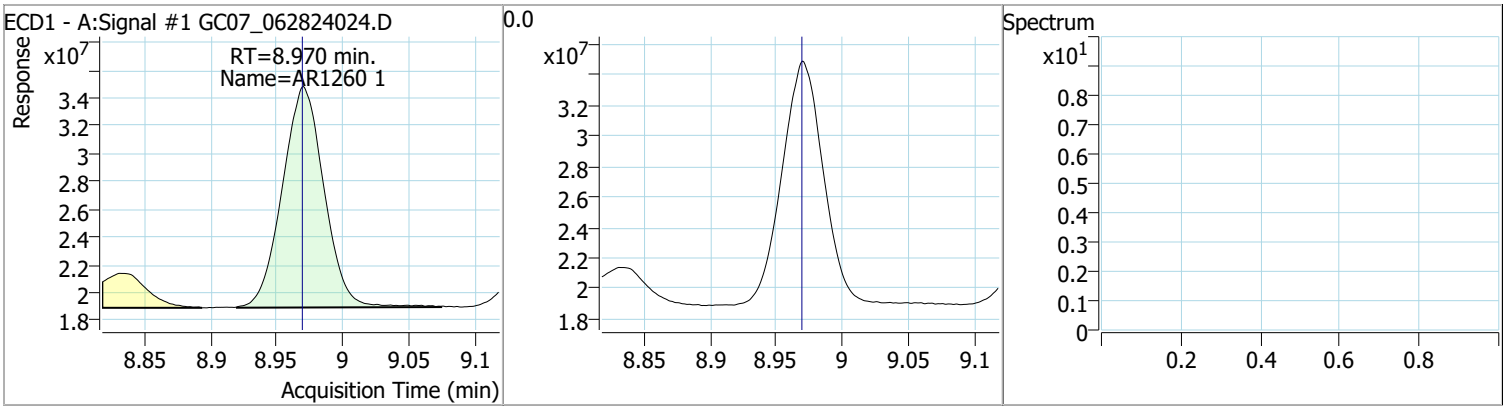
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AR1016 4 #2	456.9929	7.17	0.00	7517044				



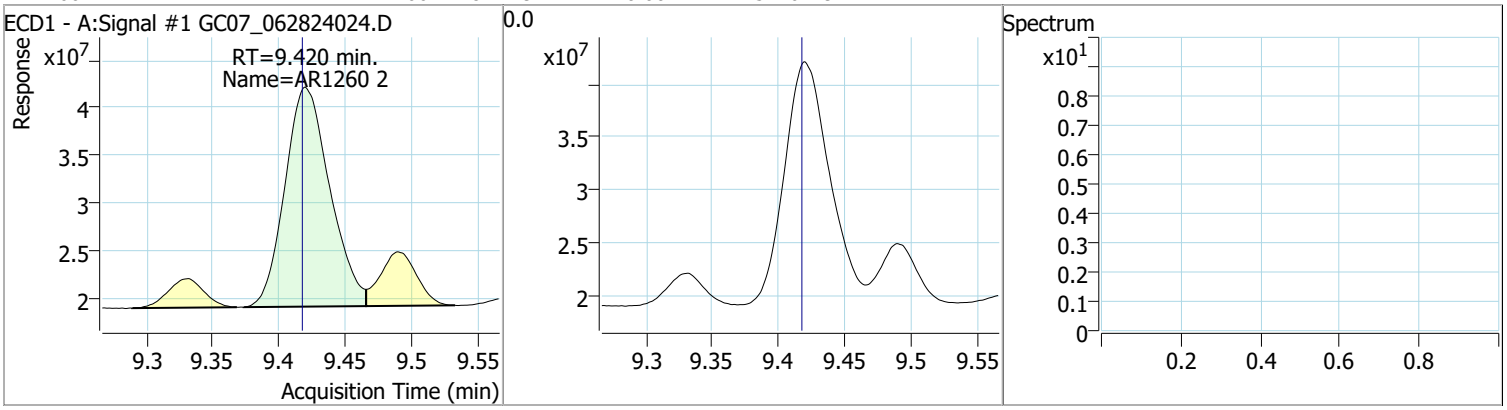
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AR1016 5 #2	463.3771	7.91	0.00	6164599				



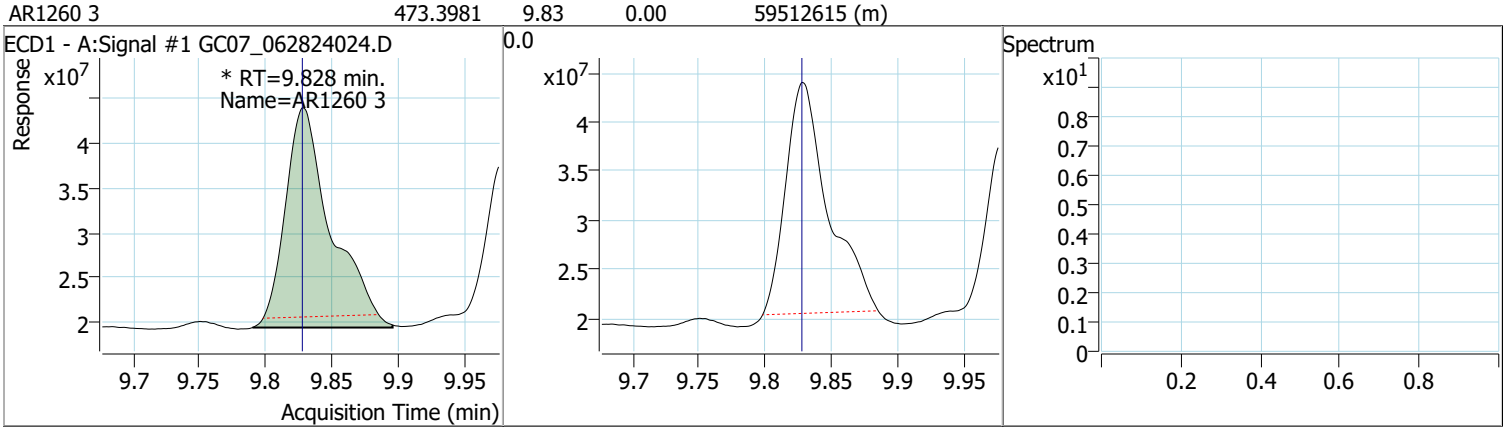
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.1017	8.97	0.00	34968974				



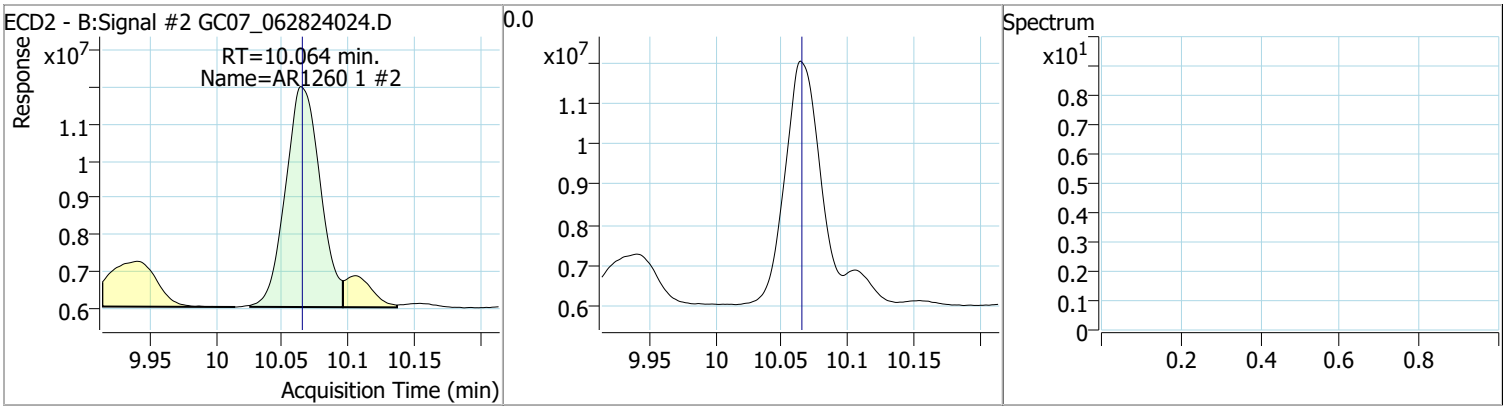
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	466.1748	9.42	0.00	54467794				



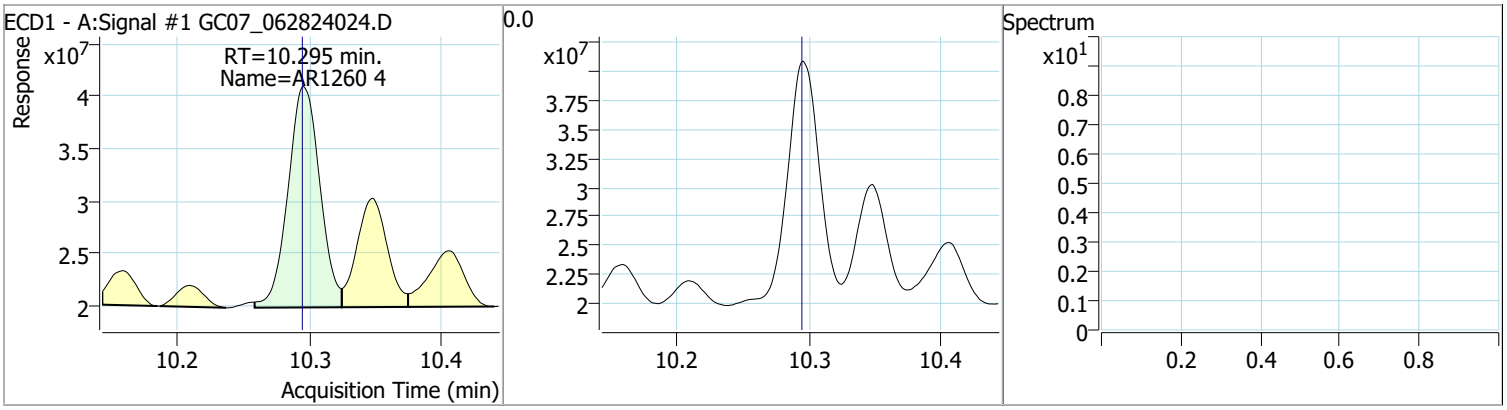
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	473.3981	9.83	0.00	59512615 (m)				



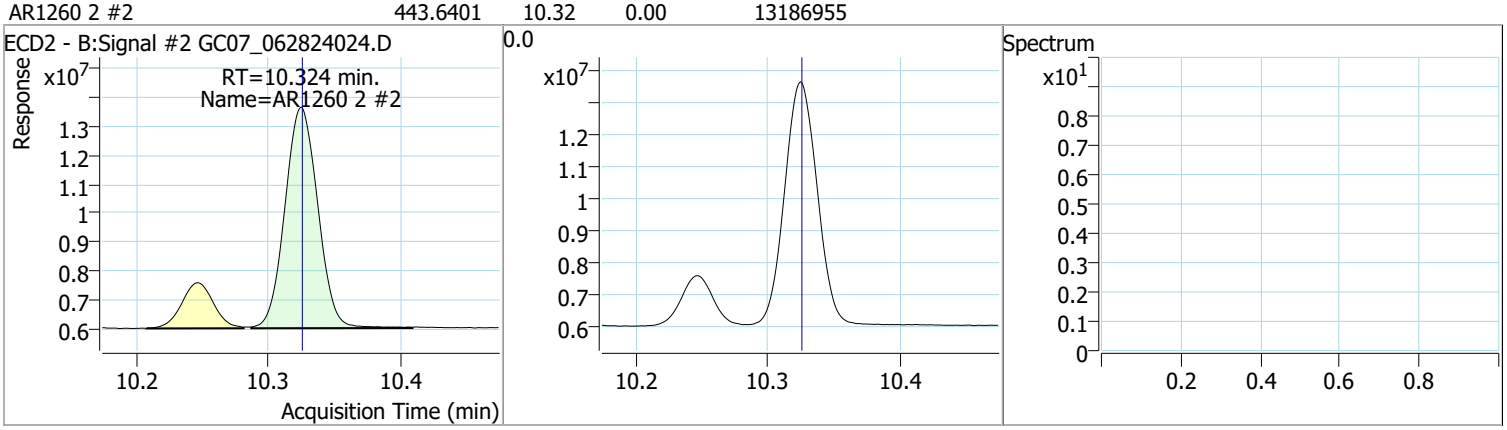
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	463.7303	10.06	0.00	10972294				



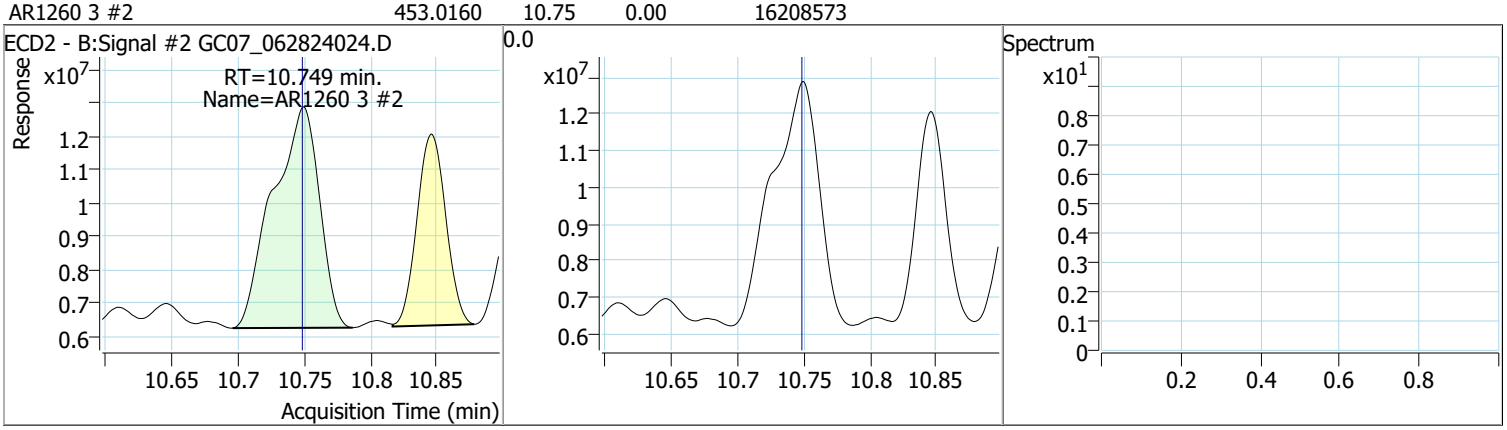
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	485.1182	10.30	0.00	35258109				



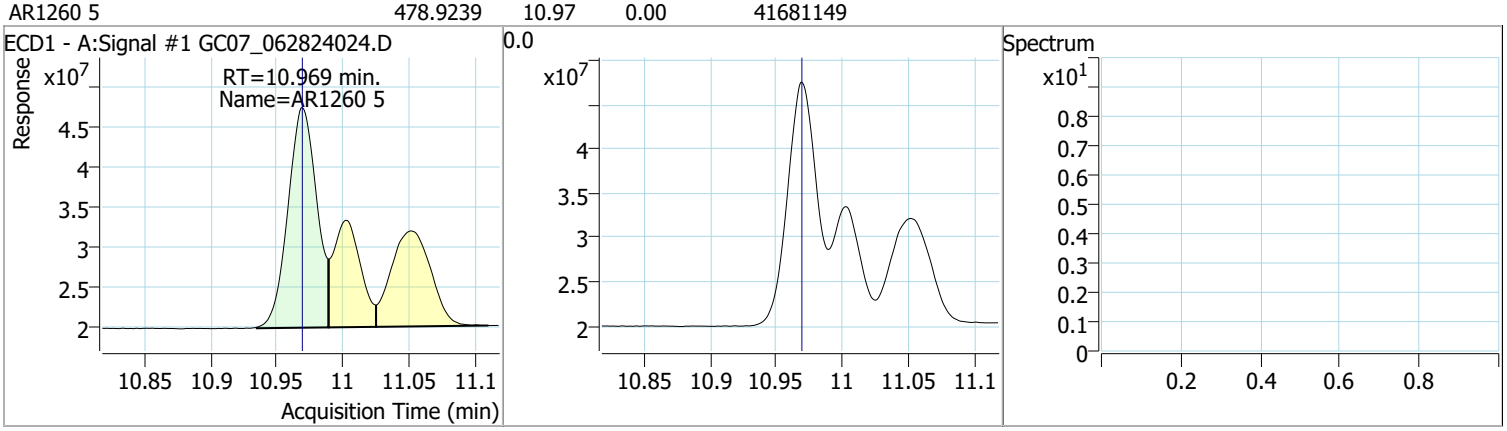
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	443.6401	10.32	0.00	13186955				



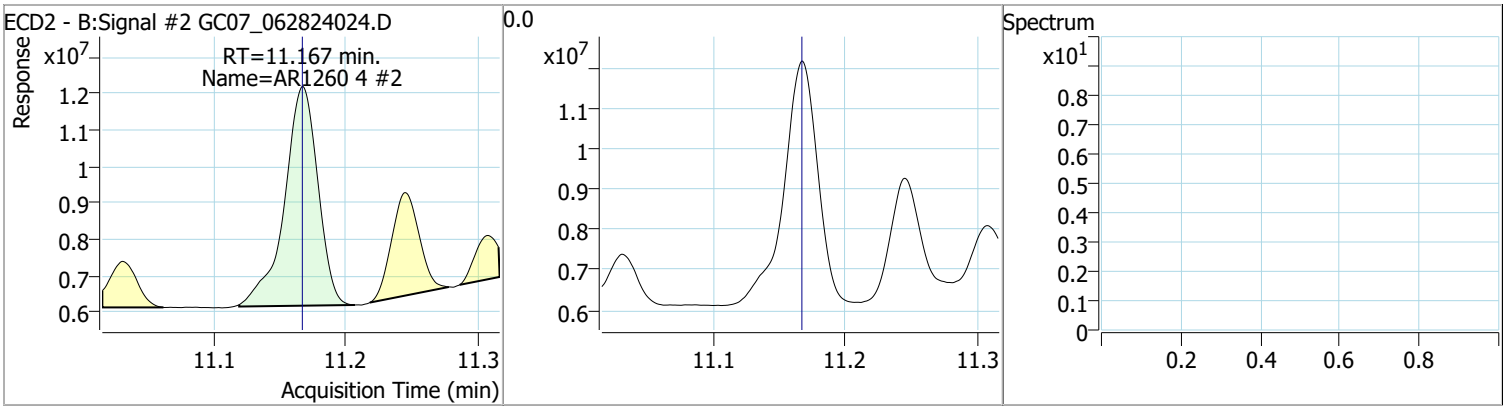
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	453.0160	10.75	0.00	16208573				



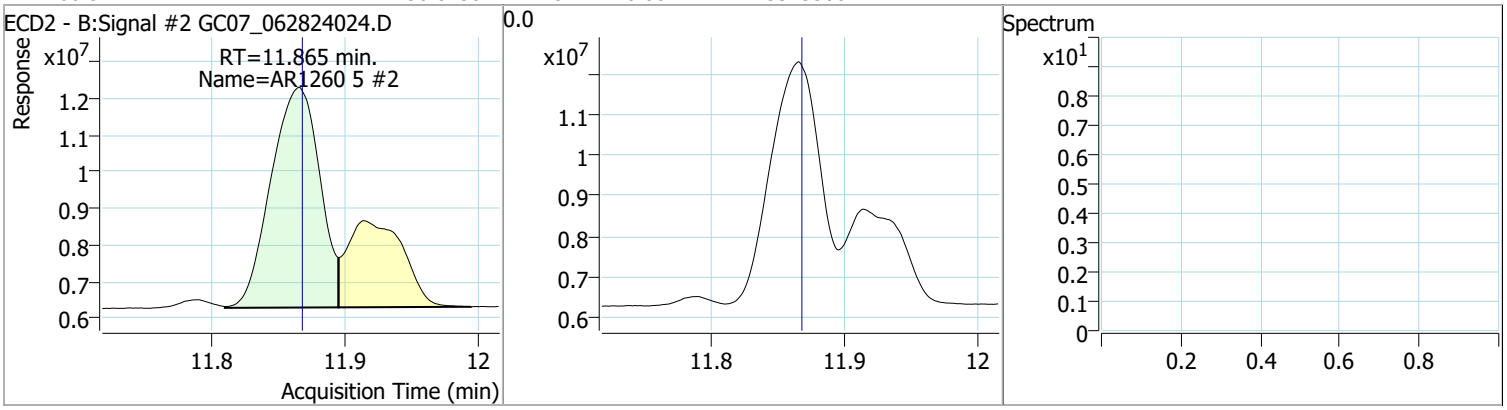
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.9239	10.97	0.00	41681149				



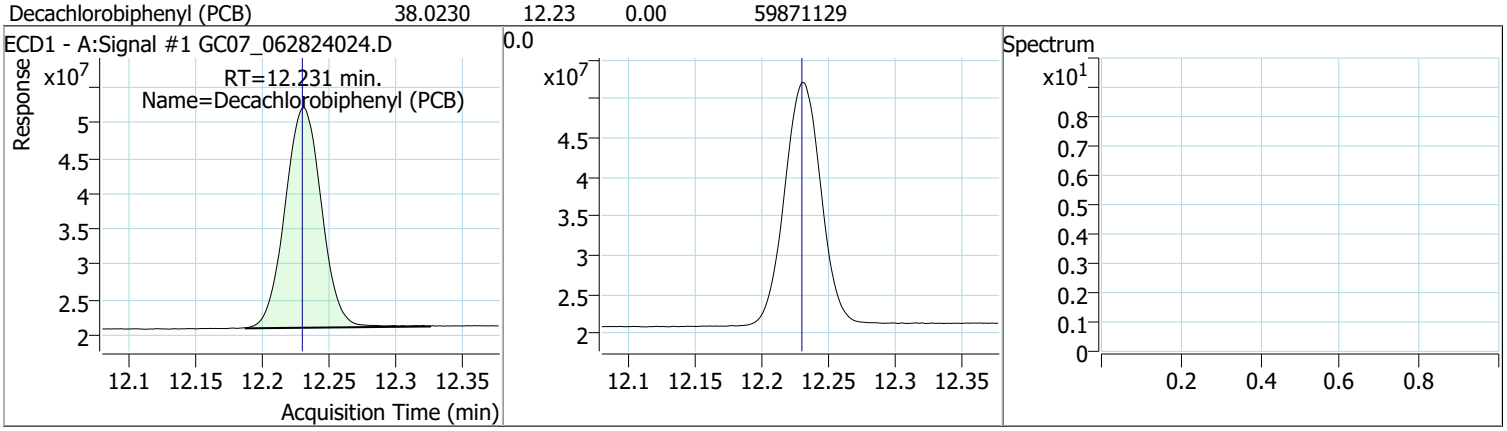
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	467.8691	11.17	0.00	10585125				



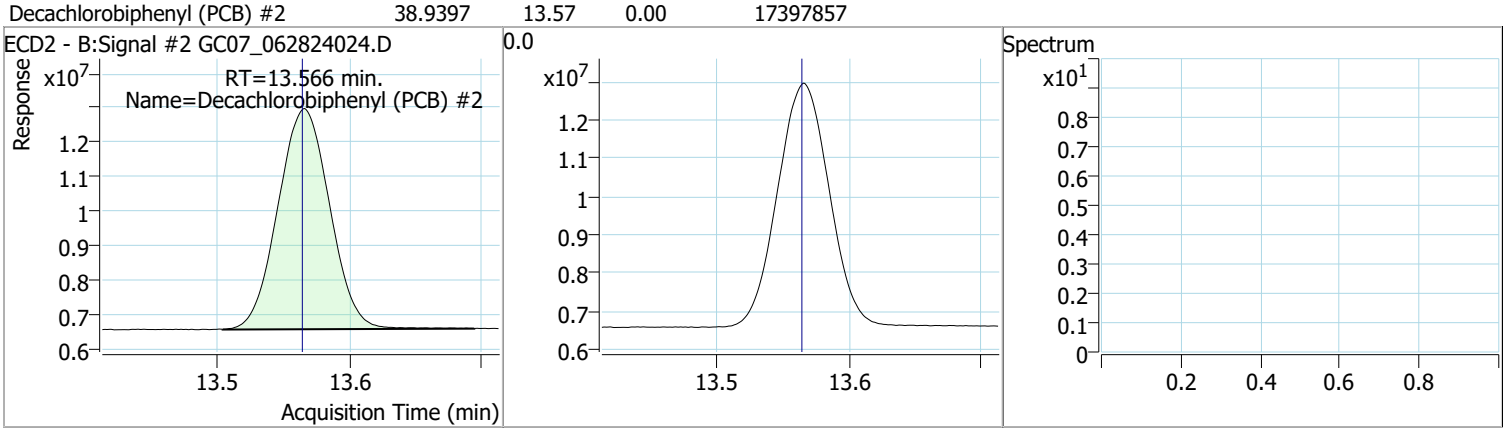
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	456.8250	11.87	0.00	15343500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.0230	12.23	0.00	59871129				

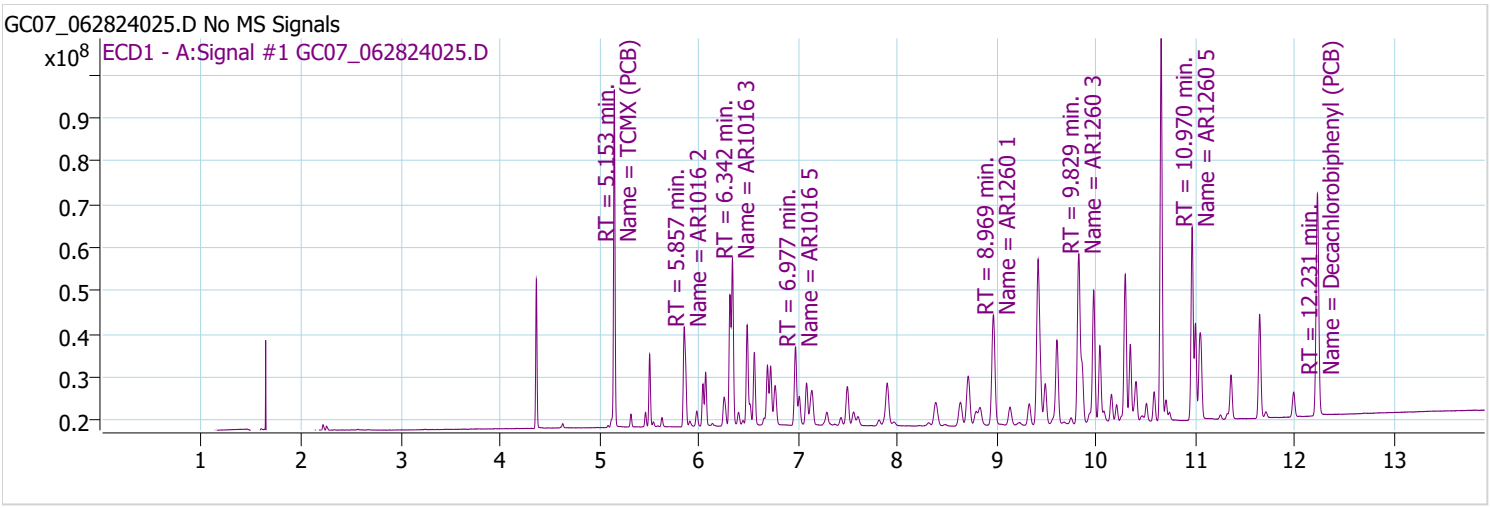


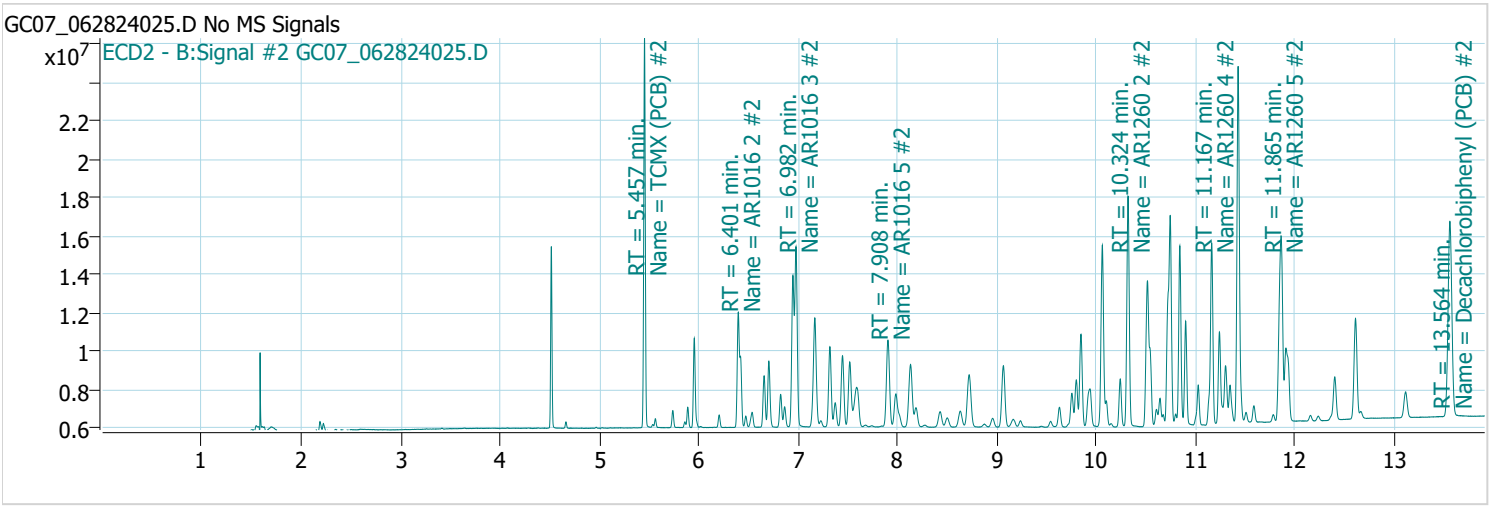
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9397	13.57	0.00	17397857				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:30:49 PM
Sample Name	ICAL, S20888	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



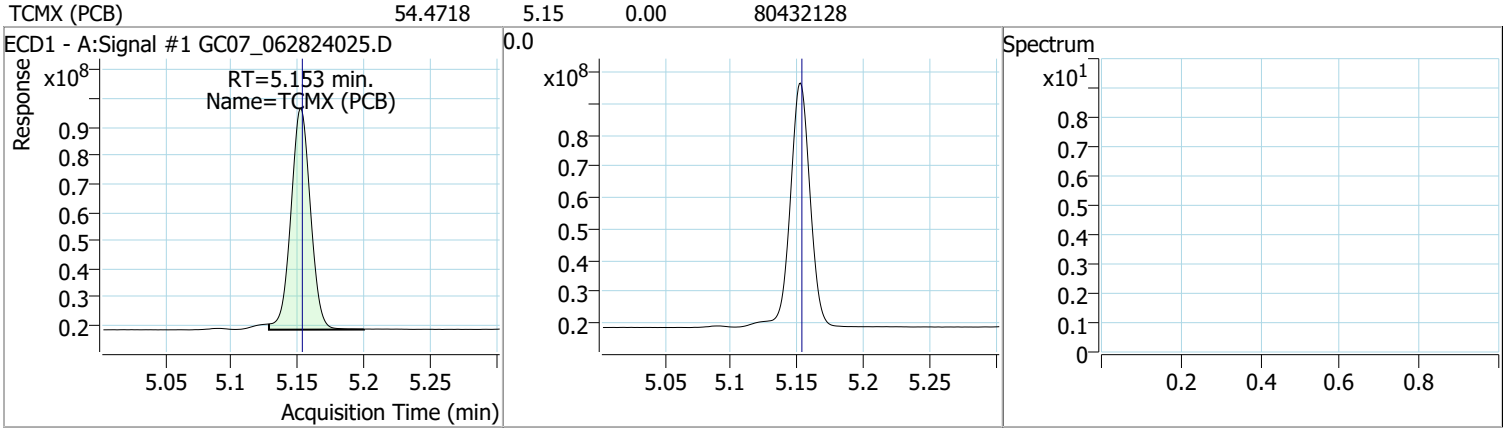


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31521008.606	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8732372.944	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	80432127.843	54.4718	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.36%		*	
S TCMX (PCB) #2	5.457	0.0	22613164.492	53.9889	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 269.94%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	96925538.200	55.7720	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.86%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	27480913.922	57.6059	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.03%		*	
Target Compounds							QValue

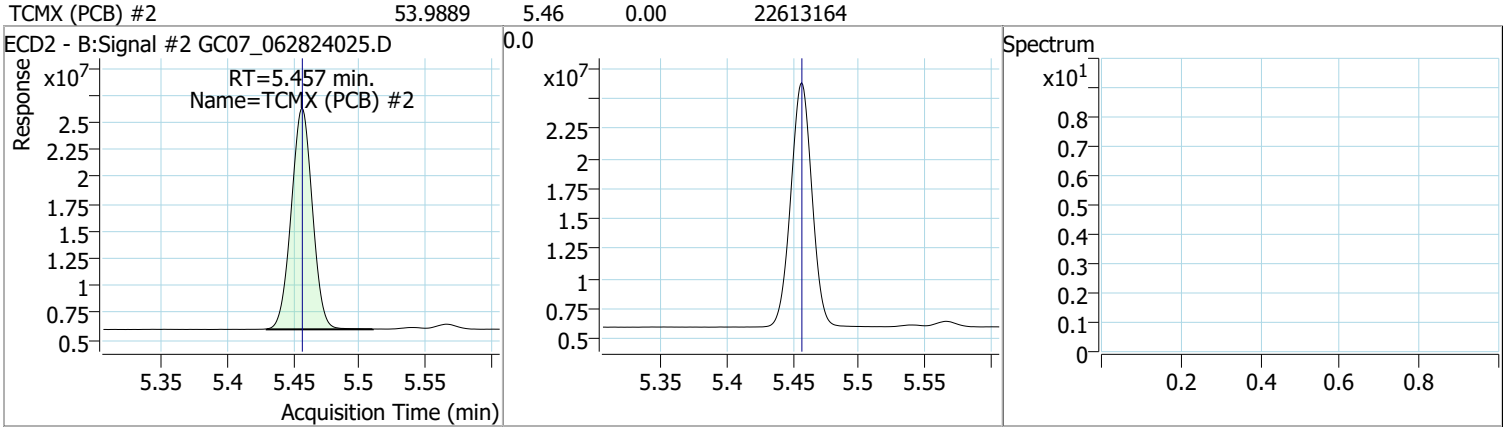
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	18625516.487	676.0044	ng/ml		100
T AR1016 2	5.857	0.0	39821970.978	695.7301	ng/ml		100
T AR1016 1 #2	5.958	0.0	6200185.220	672.4632	ng/ml		100
T AR1016 3	6.342	0.0	51592156.319	718.4537	ng/ml		100
T AR1016 2 #2	6.401	0.0	13186618.085	692.2341	ng/ml		100
T AR1016 4	6.490	0.0	33104238.283	691.1918	ng/ml	m	100
T AR1016 5	6.977	0.0	29391368.348	698.1409	ng/ml		100
T AR1016 3 #2	6.982	0.0	16217427.825	682.5976	ng/ml		100
T AR1016 4 #2	7.171	0.0	11905034.192	677.8469	ng/ml		100
T AR1016 5 #2	7.908	0.0	9906393.653	697.4031	ng/ml		100
T AR1260 1	8.969	0.0	57310265.357	678.7522	ng/ml		100
T AR1260 2	9.419	0.0	88600636.007	687.0600	ng/ml		100
T AR1260 3	9.829	0.0	99715428.343	718.6686	ng/ml	m	100
T AR1260 1 #2	10.066	0.0	17249631.332	682.7888	ng/ml		100
T AR1260 4	10.297	0.0	58329005.693	727.1466	ng/ml		100
T AR1260 2 #2	10.324	0.0	20569819.238	648.1198	ng/ml		100
T AR1260 3 #2	10.749	0.0	25623427.839	670.7251	ng/ml		100
T AR1260 5	10.970	0.0	68834711.095	716.6105	ng/ml		100
T AR1260 4 #2	11.167	0.0	17176003.220	711.0318	ng/ml		100
T AR1260 5 #2	11.865	0.0	24458563.683	682.0165	ng/ml		100

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

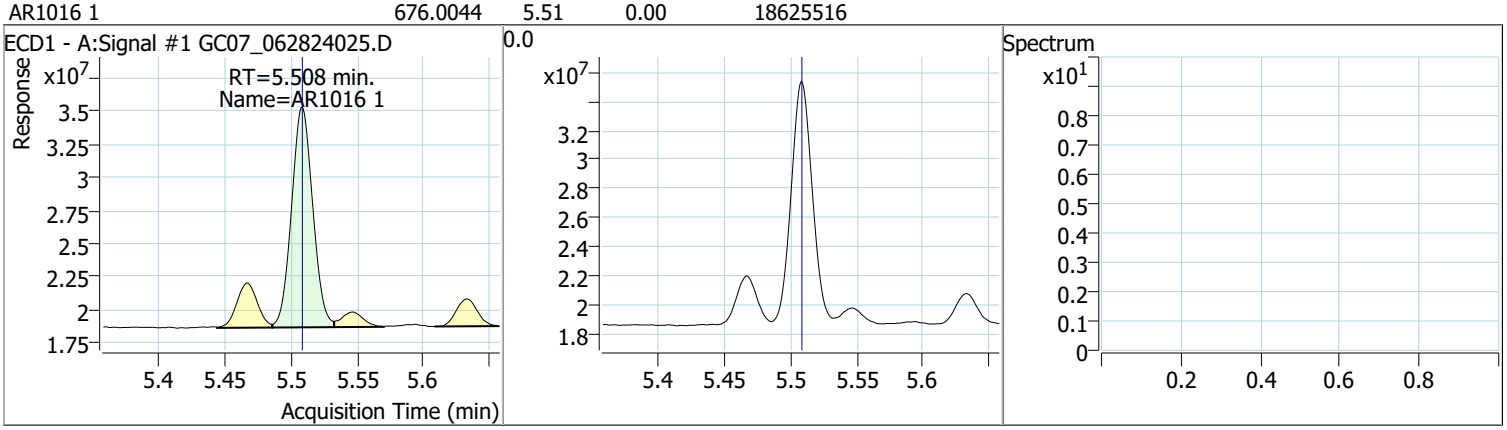
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4718	5.15	0.00	80432128				



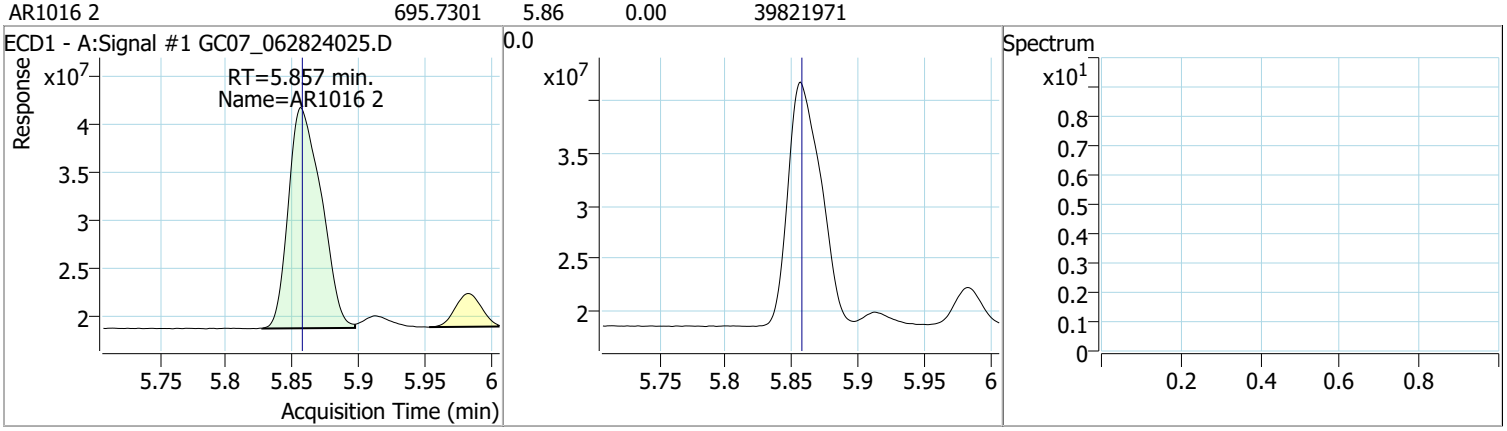
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.9889	5.46	0.00	22613164				



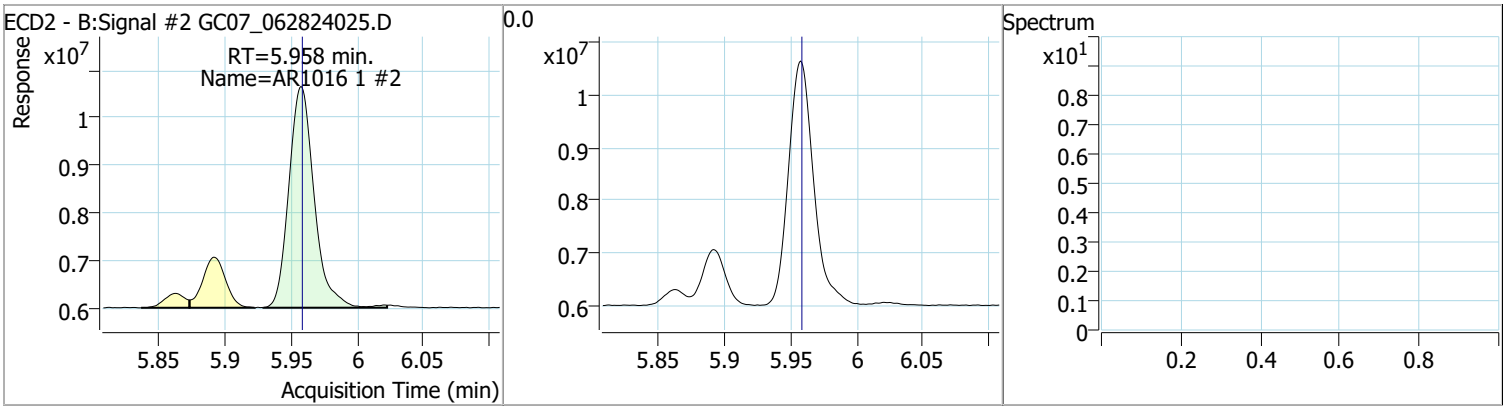
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	676.0044	5.51	0.00	18625516				



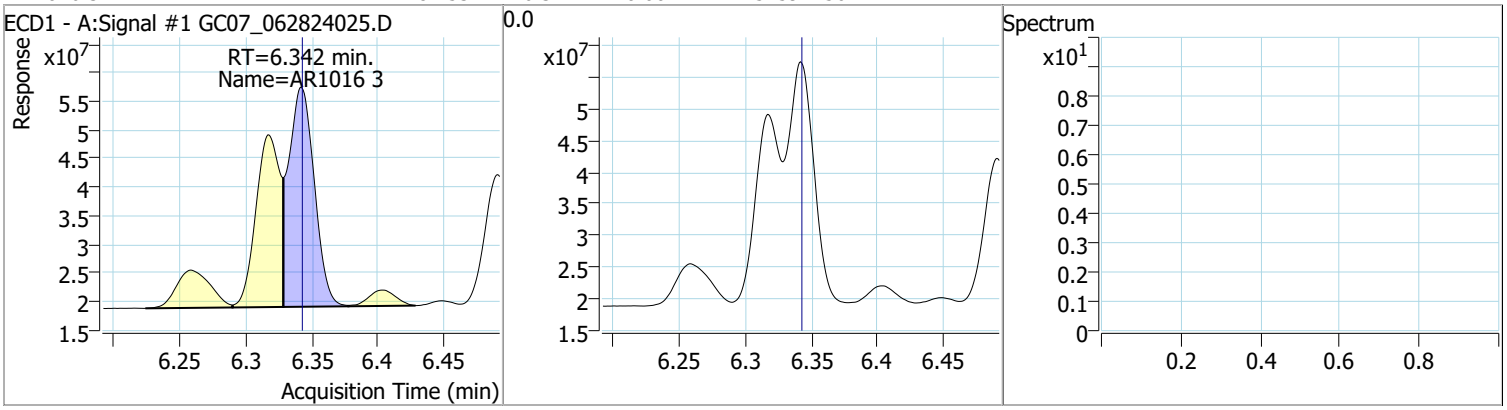
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.7301	5.86	0.00	39821971				



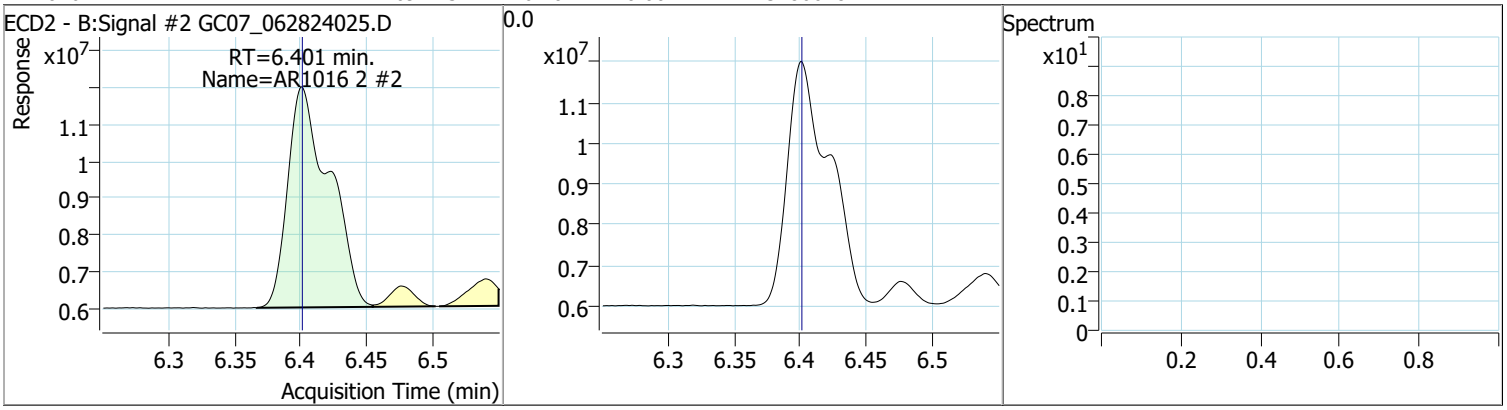
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	672.4632	5.96	0.00	6200185				



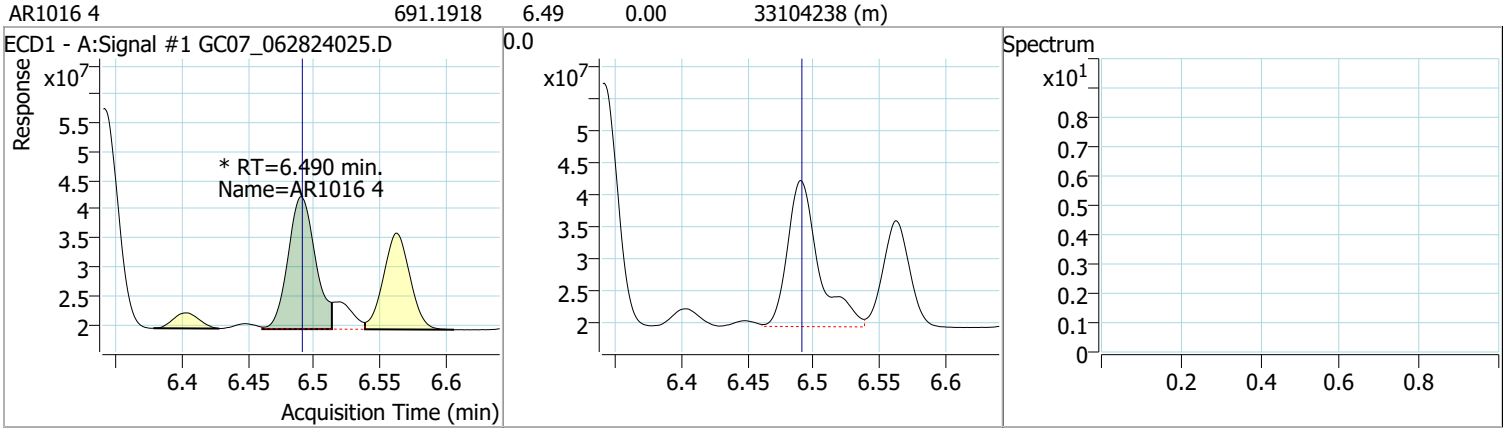
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	718.4537	6.34	0.00	51592156				



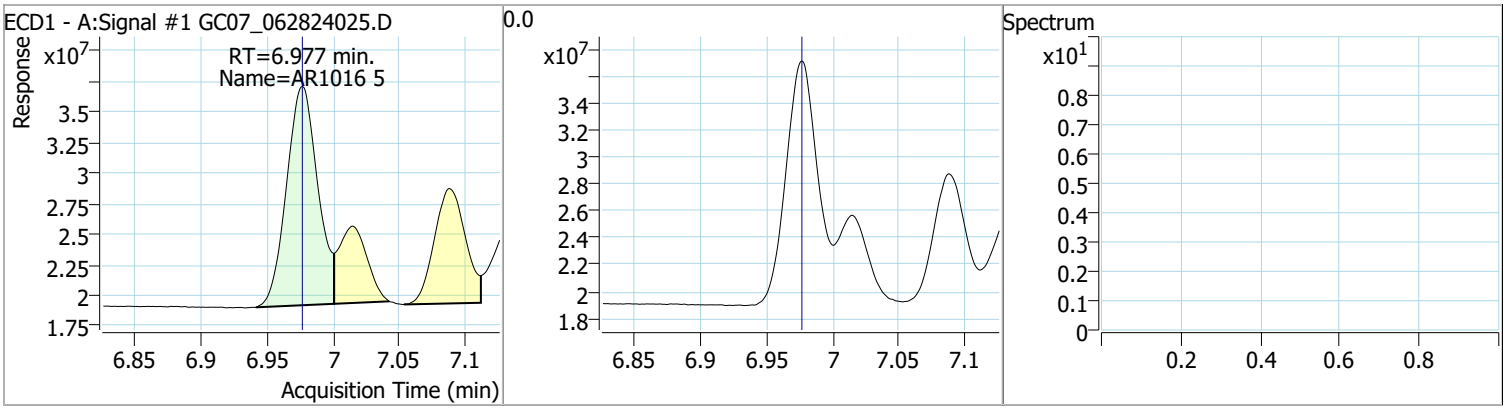
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	692.2341	6.40	0.00	13186618				



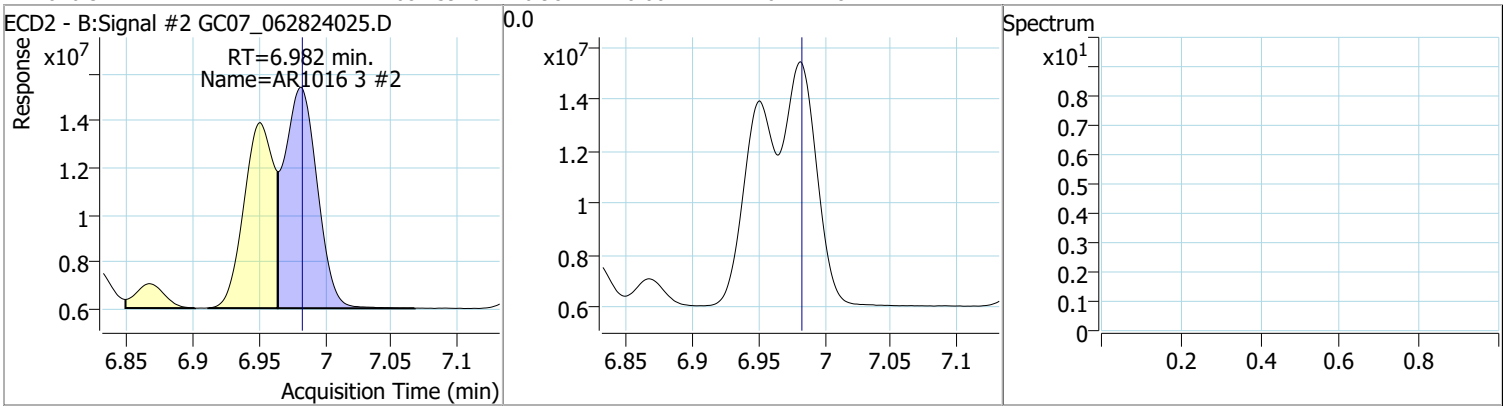
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	691.1918	6.49	0.00	33104238 (m)				



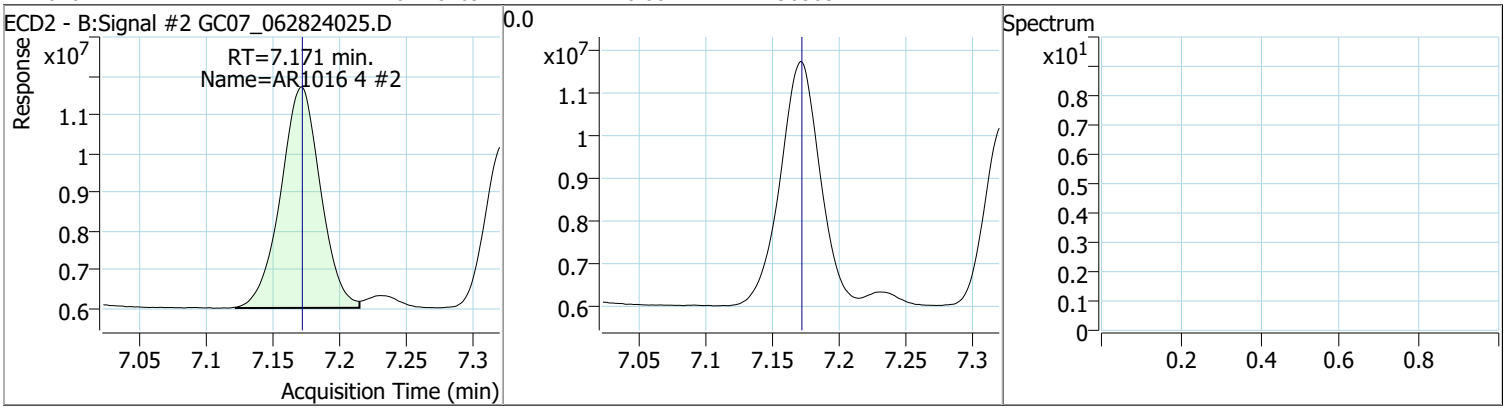
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	698.1409	6.98	0.00	29391368				



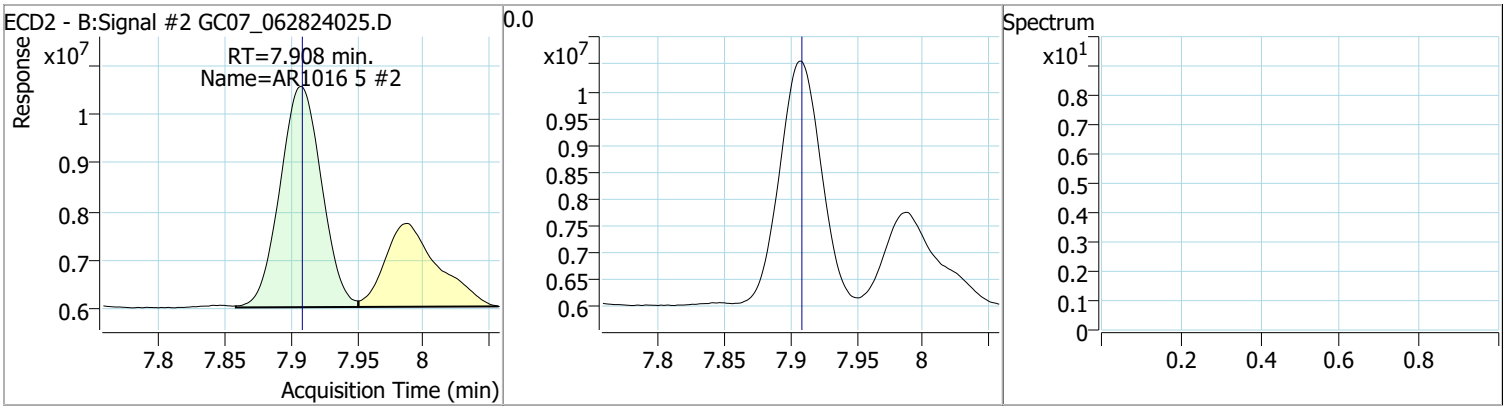
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	682.5976	6.98	0.00	16217428				



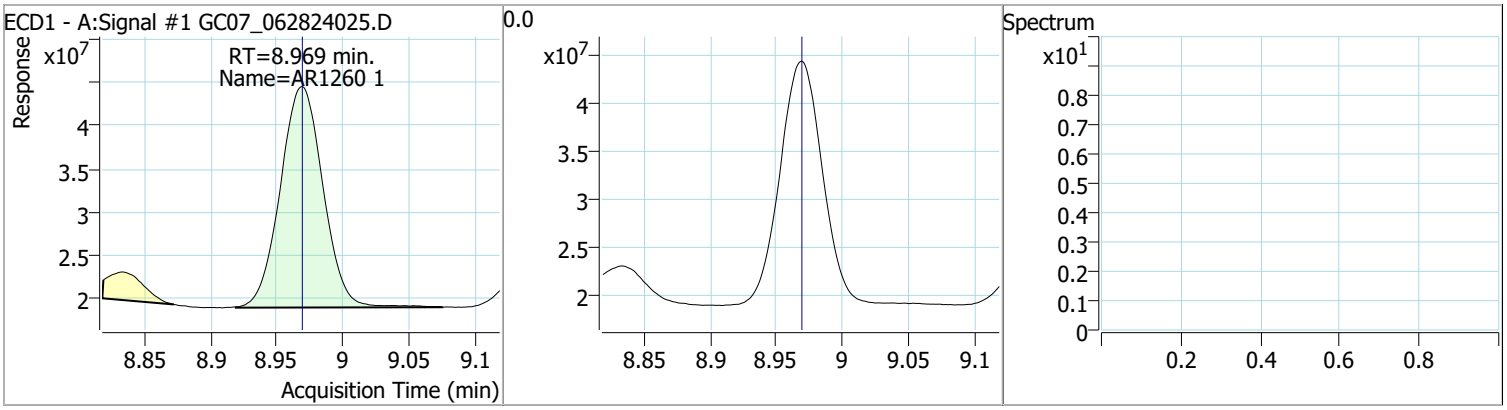
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	677.8469	7.17	0.00	11905034				



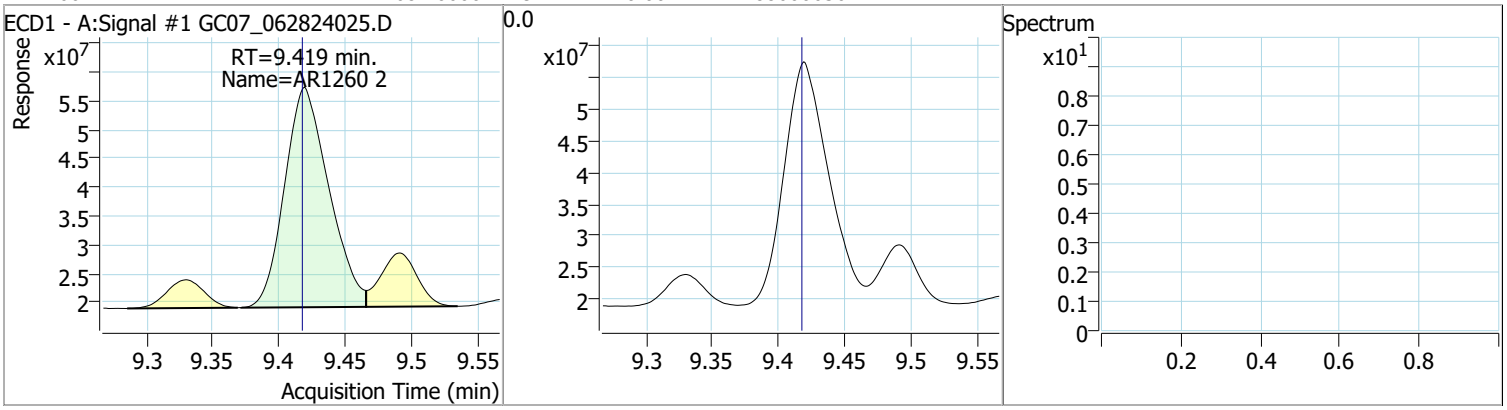
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	697.4031	7.91	0.00	9906394				



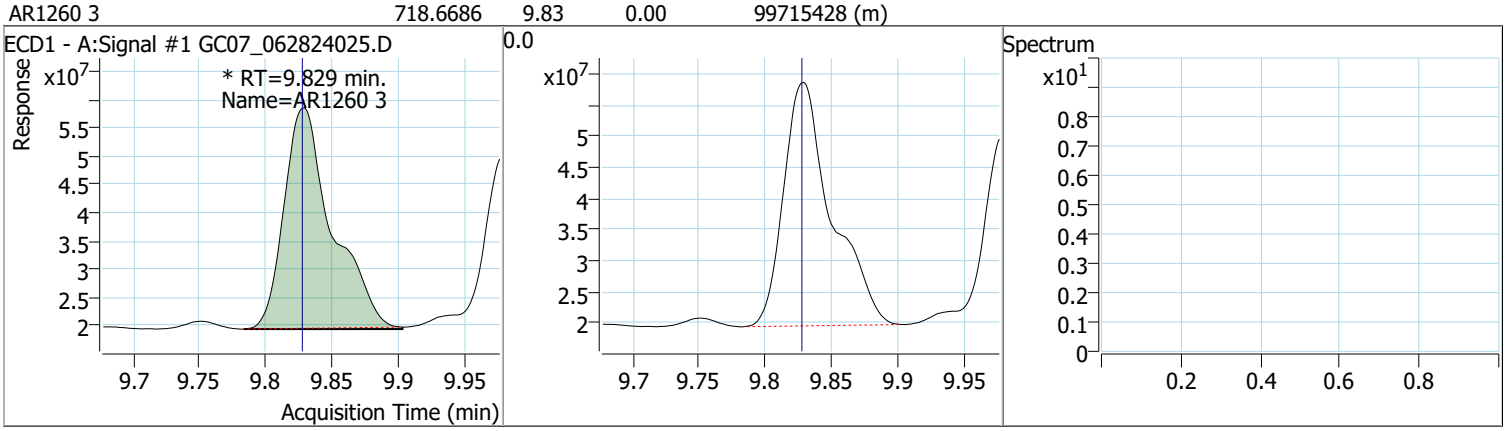
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	678.7522	8.97	0.00	57310265				



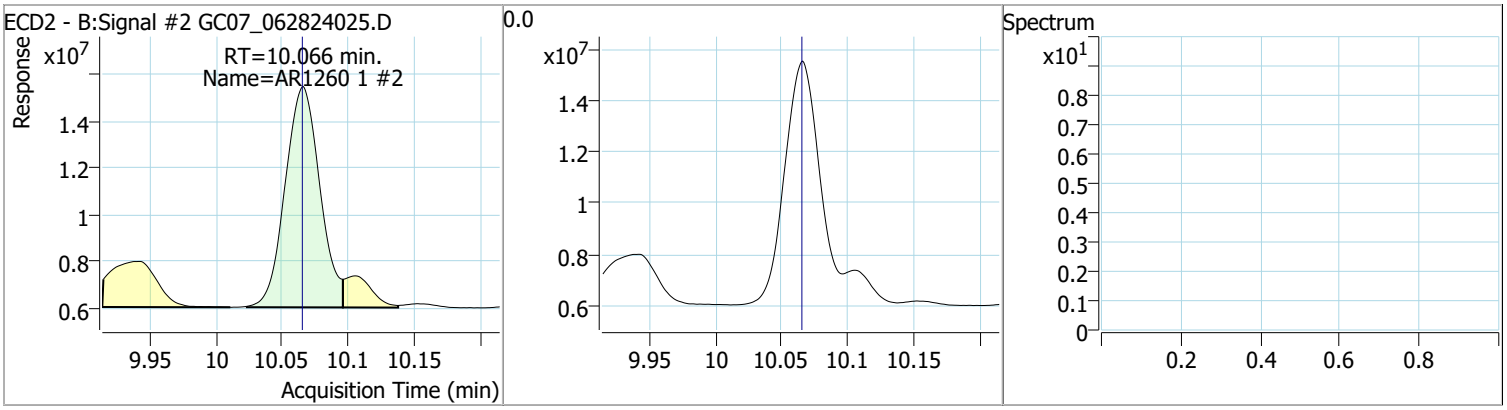
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	687.0600	9.42	0.00	88600636				



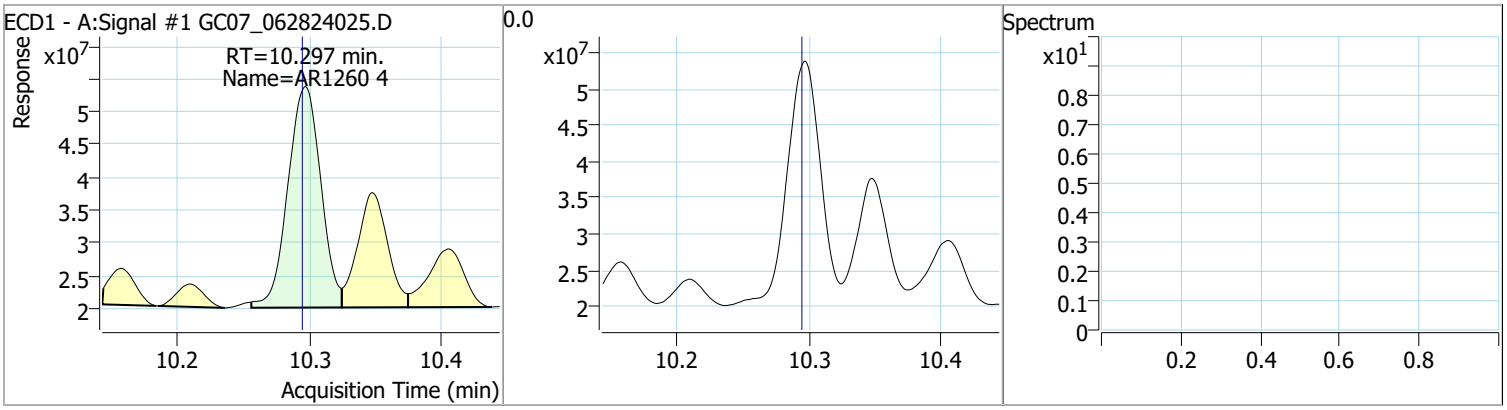
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	718.6686	9.83	0.00	99715428 (m)				



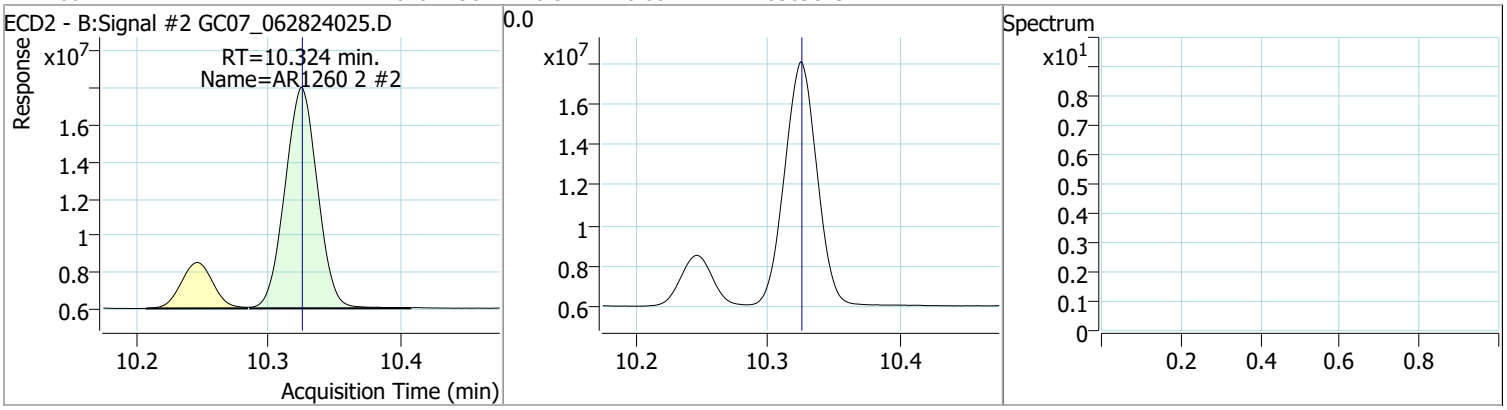
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	682.7888	10.07	0.00	17249631				



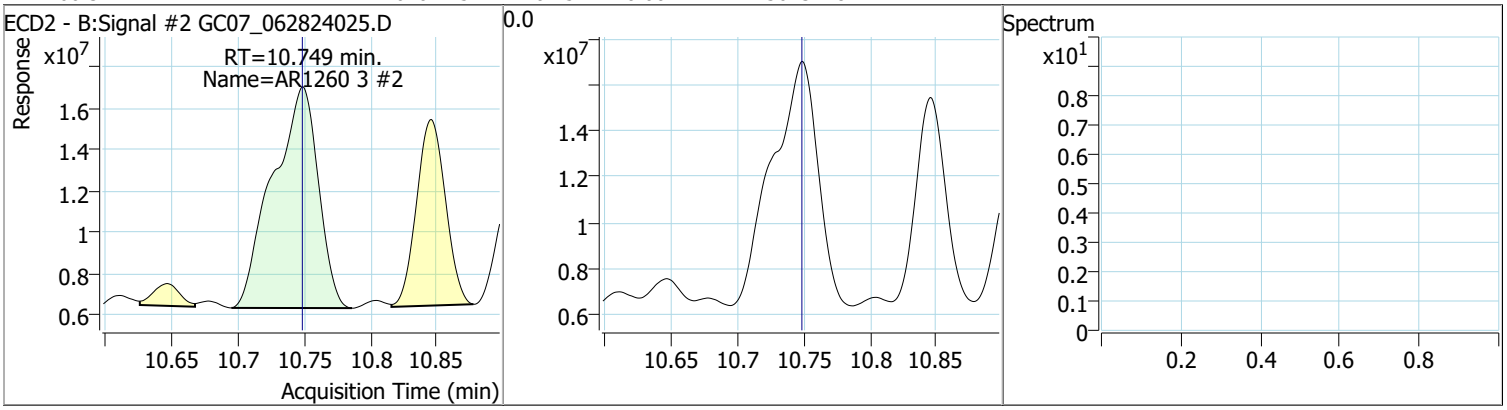
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	727.1466	10.30	0.00	58329006				



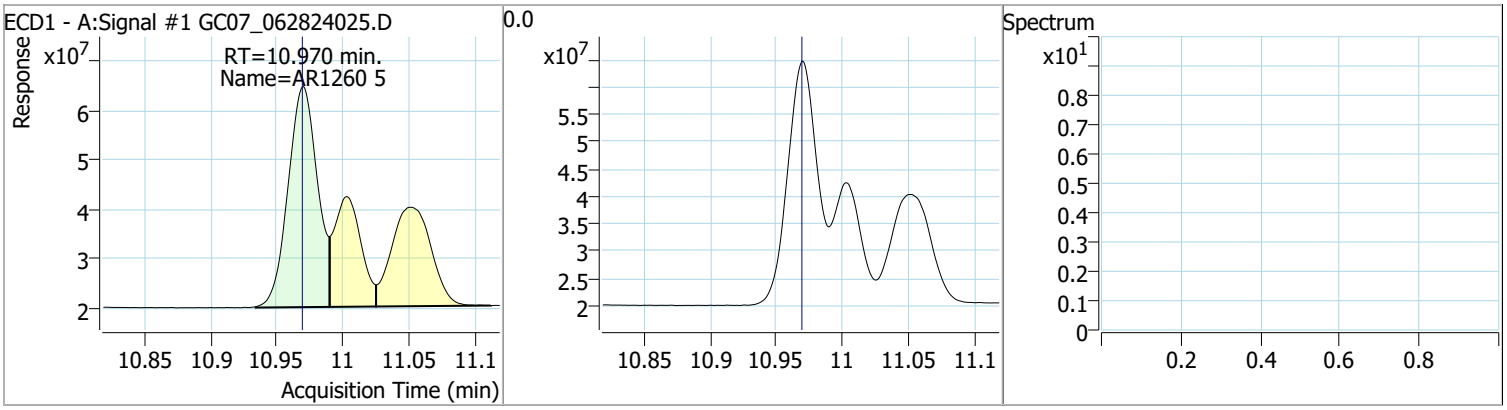
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	648.1198	10.32	0.00	20569819				



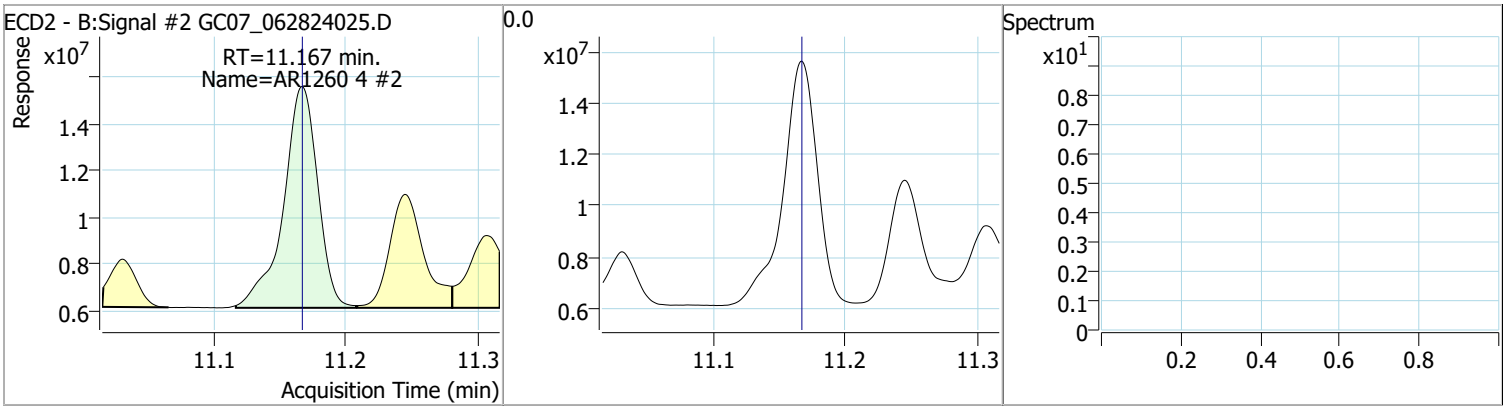
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	670.7251	10.75	0.00	25623428				



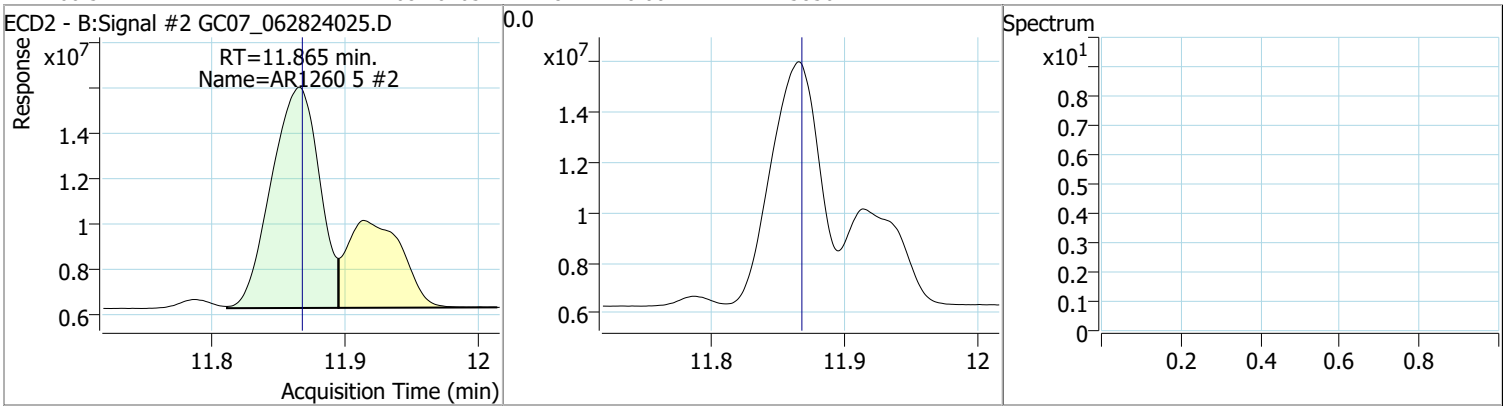
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	716.6105	10.97	0.00	68834711				



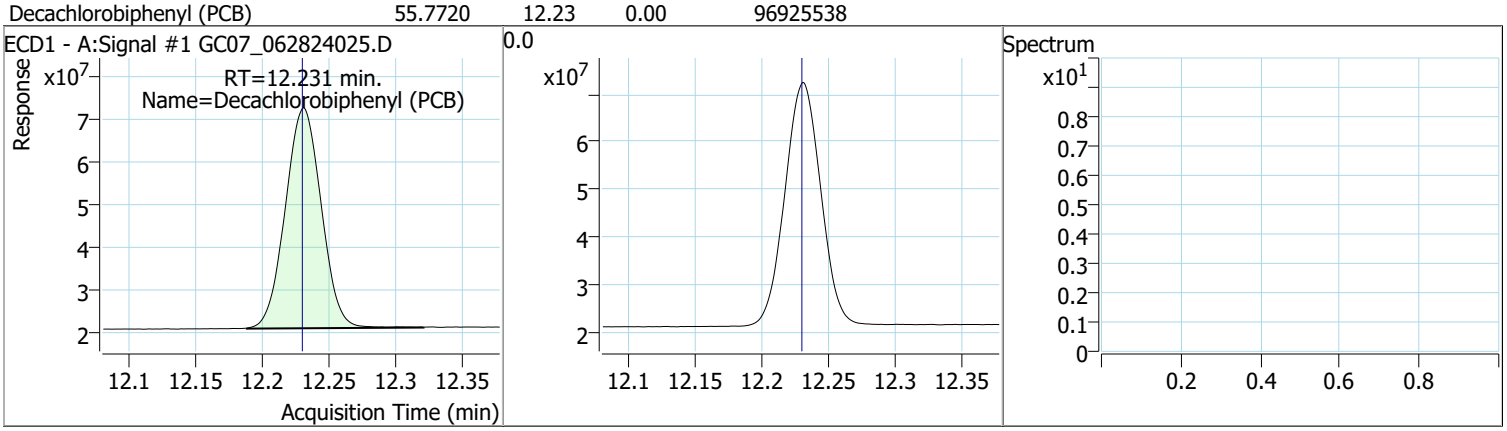
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	711.0318	11.17	0.00	17176003				



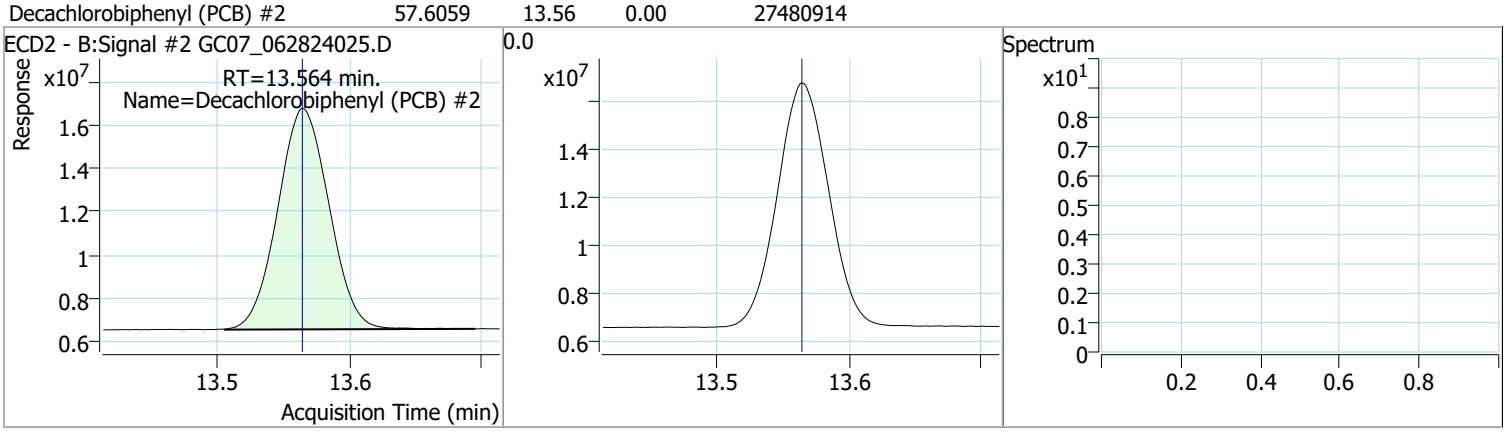
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	682.0165	11.87	0.00	24458564				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	55.7720	12.23	0.00	96925538				

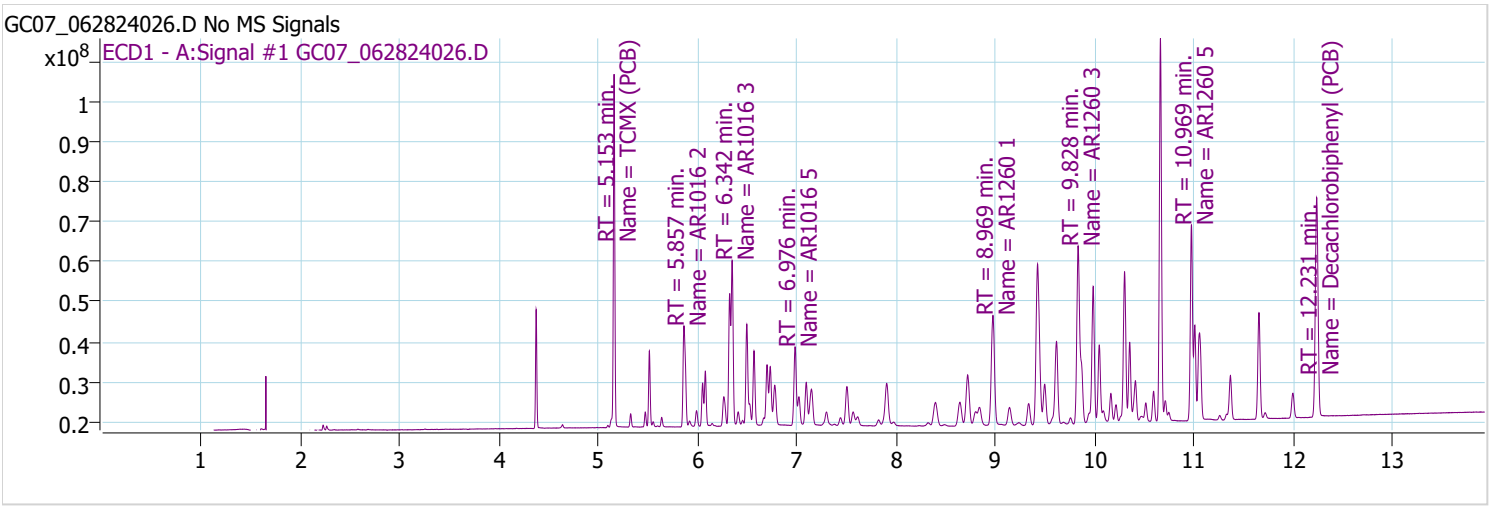


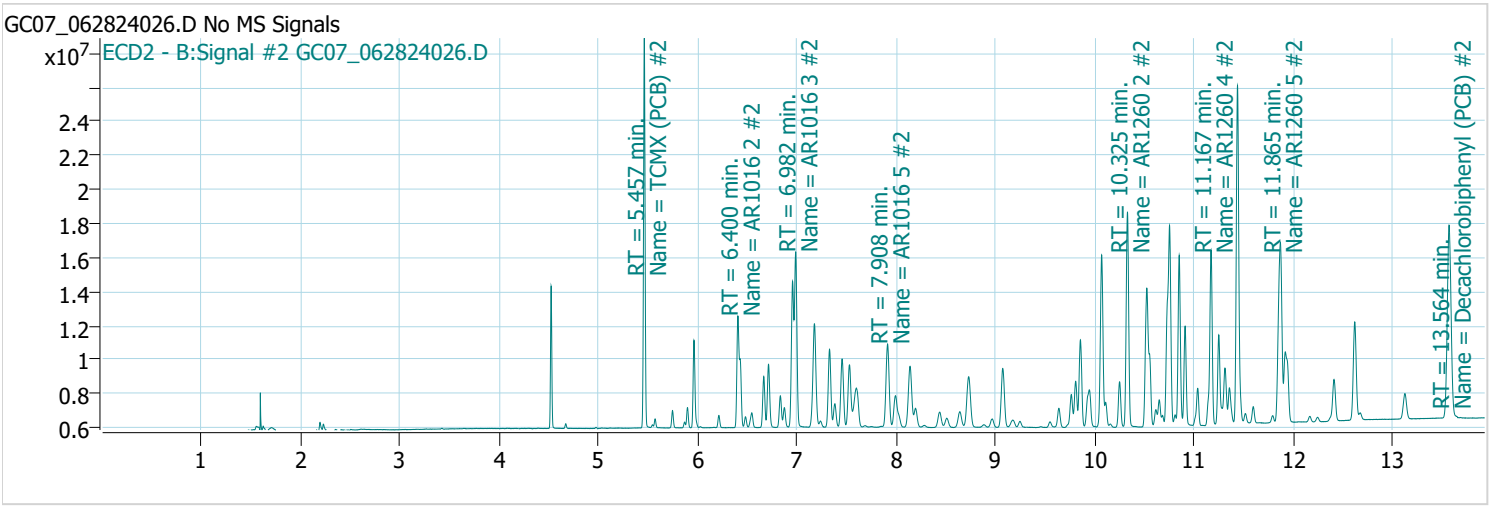
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.6059	13.56	0.00	27480914				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:48:13 PM
Sample Name	ICAL, S20889	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



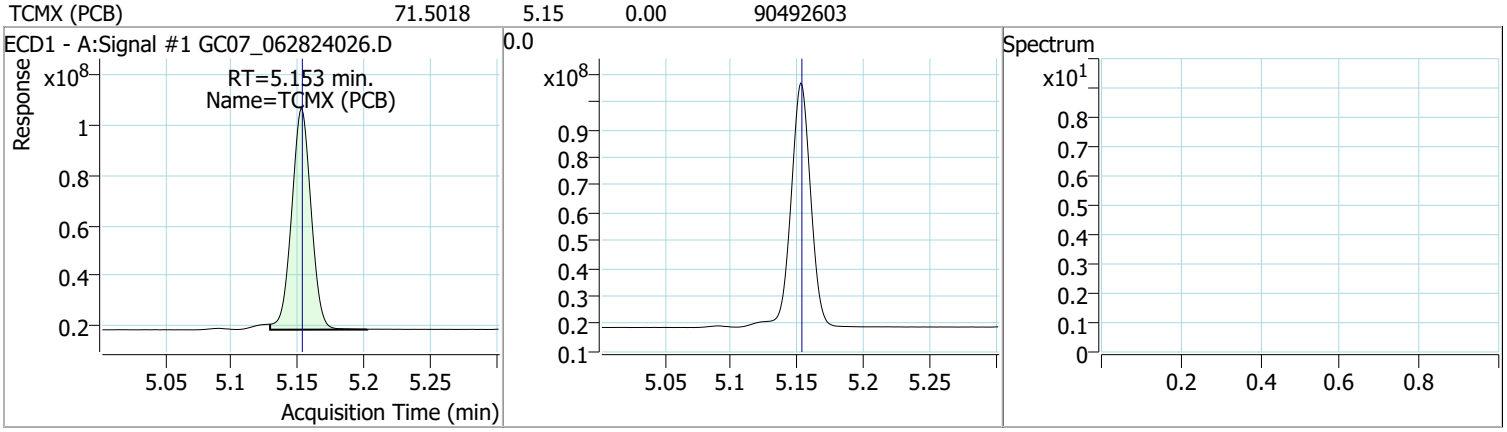


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	27017088.241	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7490916.324	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	90492602.617	71.5018	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.51%		*	
S TCMX (PCB) #2	5.457	0.0	25164397.560	70.0370	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.18%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	106879257.653	71.7518	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 358.76%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	30482147.108	74.4867	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.43%		*	
Target Compounds							QValue

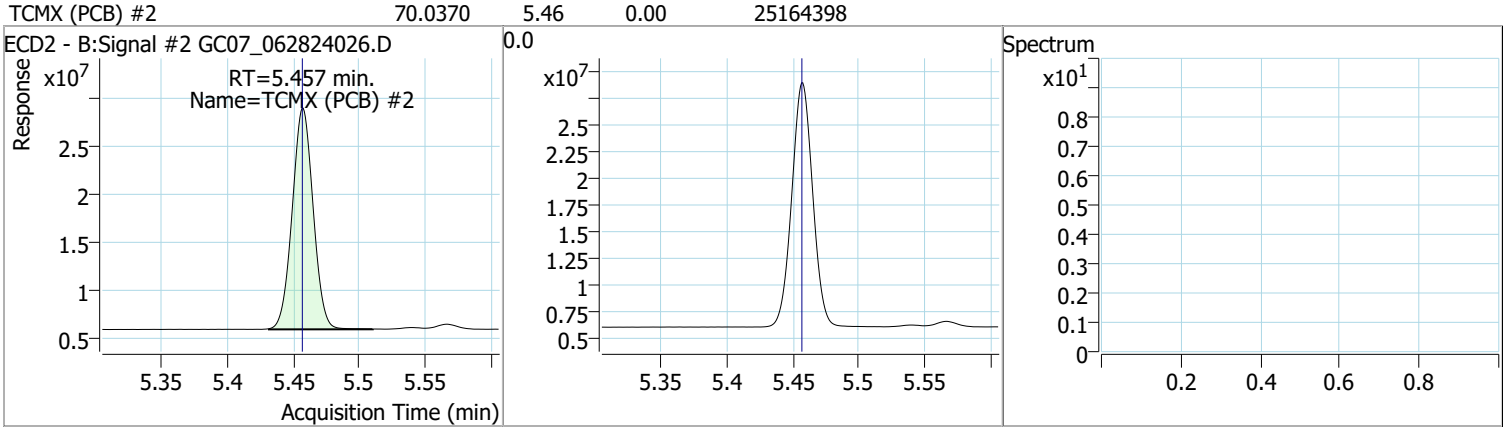
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	20817931.570	881.5366	ng/ml		100
T AR1016 2	5.857	0.0	44008986.093	897.0589	ng/ml		100
T AR1016 1 #2	5.958	0.0	6783093.230	857.6084	ng/ml		100
T AR1016 3	6.342	0.0	58055063.441	943.2282	ng/ml		100
T AR1016 2 #2	6.400	0.0	14433160.359	883.2391	ng/ml		100
T AR1016 4	6.490	0.0	36860975.814	897.9318	ng/ml	m	100
T AR1016 5	6.976	0.0	32670578.049	905.4024	ng/ml		100
T AR1016 3 #2	6.982	0.0	17619837.490	864.5339	ng/ml		100
T AR1016 4 #2	7.171	0.0	13022775.878	864.3743	ng/ml		100
T AR1016 5 #2	7.908	0.0	10783865.235	884.9935	ng/ml		100
T AR1260 1	8.969	0.0	62257475.280	860.2643	ng/ml		100
T AR1260 2	9.419	0.0	96574670.327	873.7408	ng/ml		100
T AR1260 3	9.828	0.0	107868556.250	907.0323	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	18562011.107	856.5031	ng/ml		100
T AR1260 4	10.295	0.0	63669929.407	926.0476	ng/ml		100
T AR1260 2 #2	10.325	0.0	22137646.949	813.1181	ng/ml		100
T AR1260 3 #2	10.748	0.0	27748156.389	846.7180	ng/ml		100
T AR1260 5	10.969	0.0	76175016.781	925.2302	ng/ml		100
T AR1260 4 #2	11.167	0.0	18498356.429	892.6833	ng/ml		100
T AR1260 5 #2	11.865	0.0	26651576.006	866.3316	ng/ml		100

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

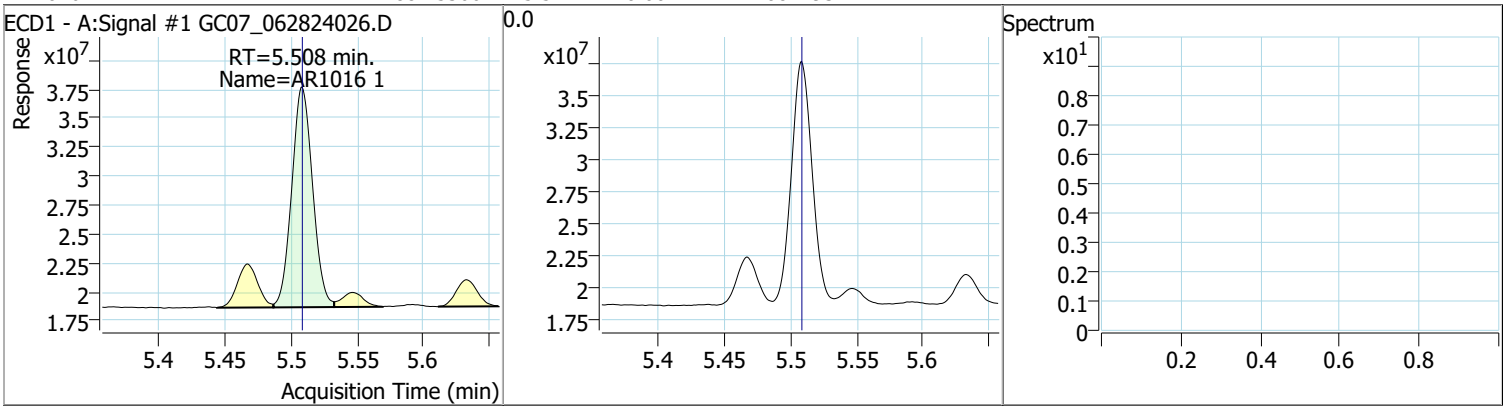
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	71.5018	5.15	0.00	90492603				



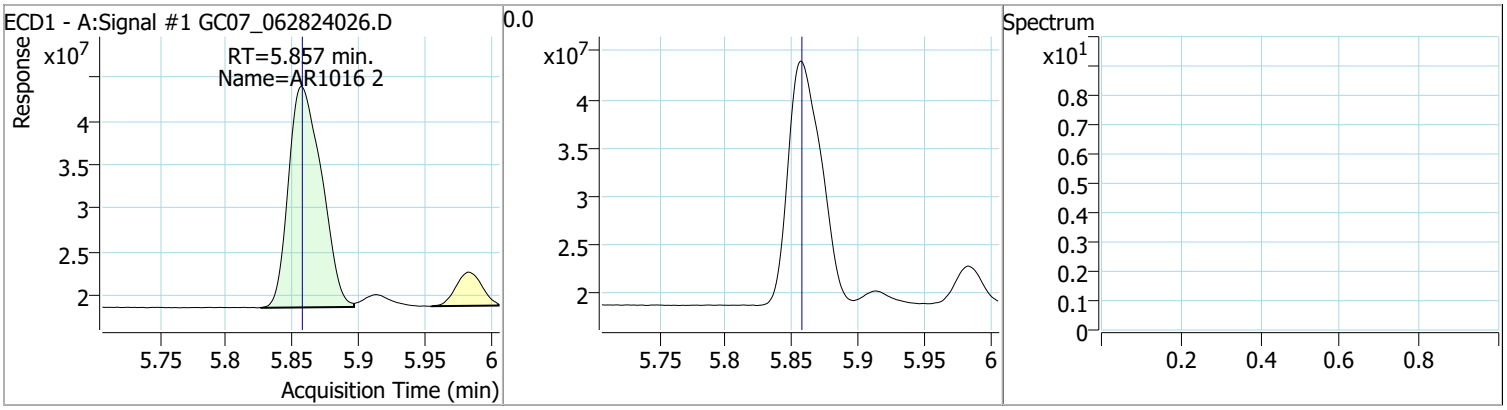
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TCMX (PCB) #2	70.0370	5.46	0.00	25164398				



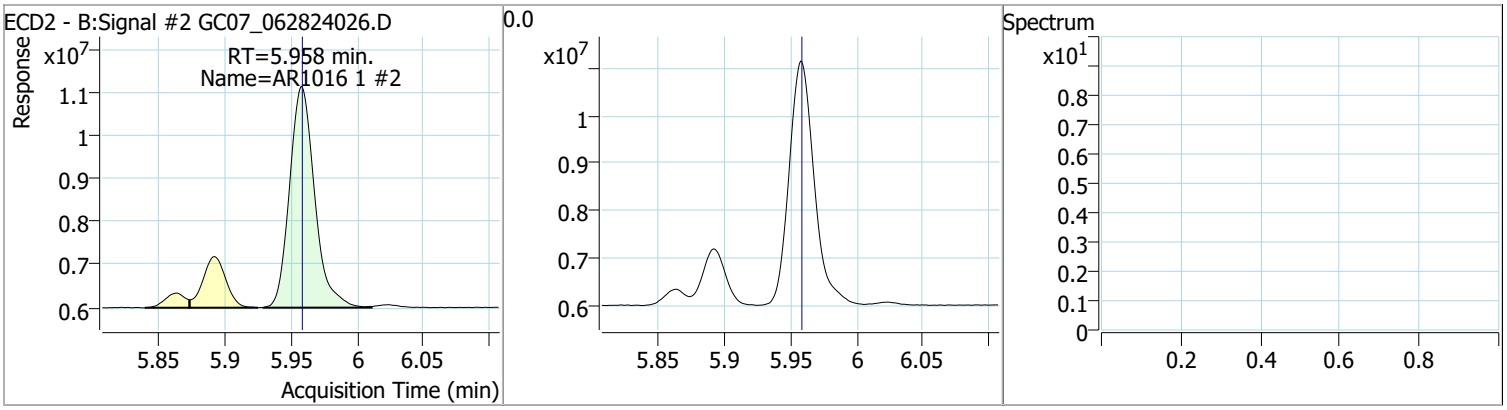
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	881.5366	5.51	0.00	20817932				



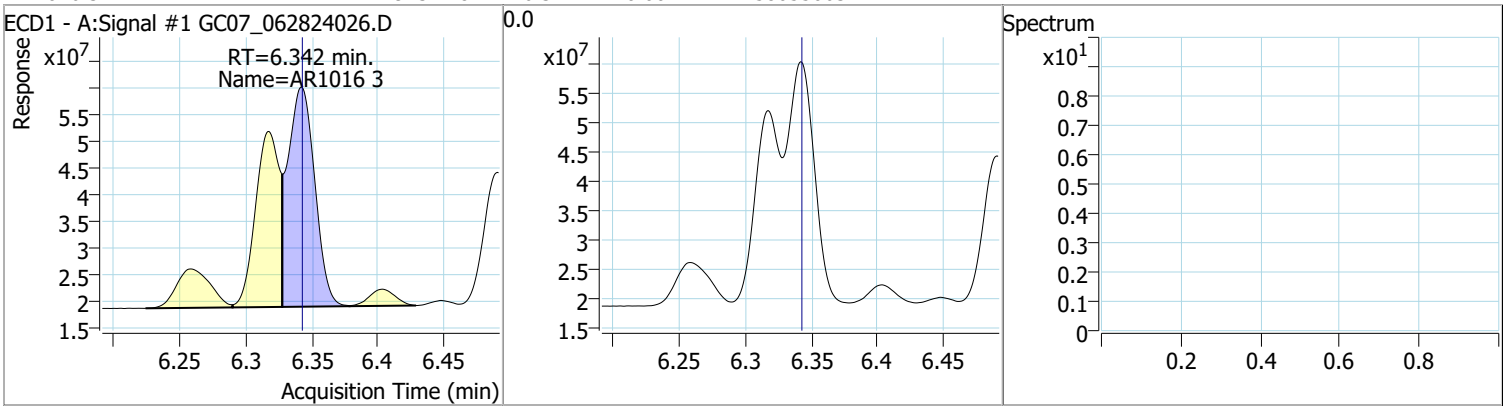
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	897.0589	5.86	0.00	44008986				



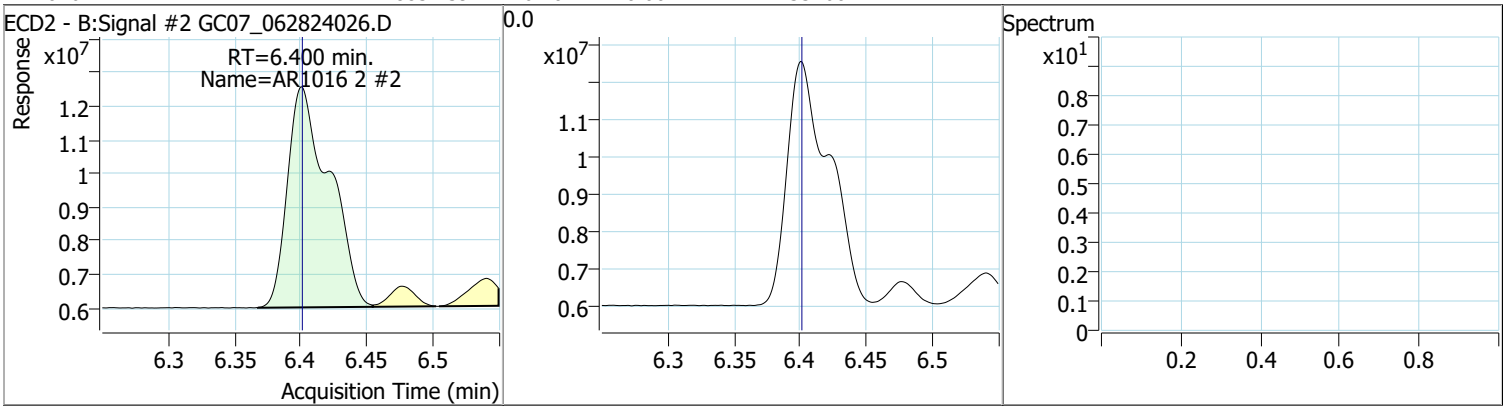
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AR1016 1 #2	857.6084	5.96	0.00	6783093				



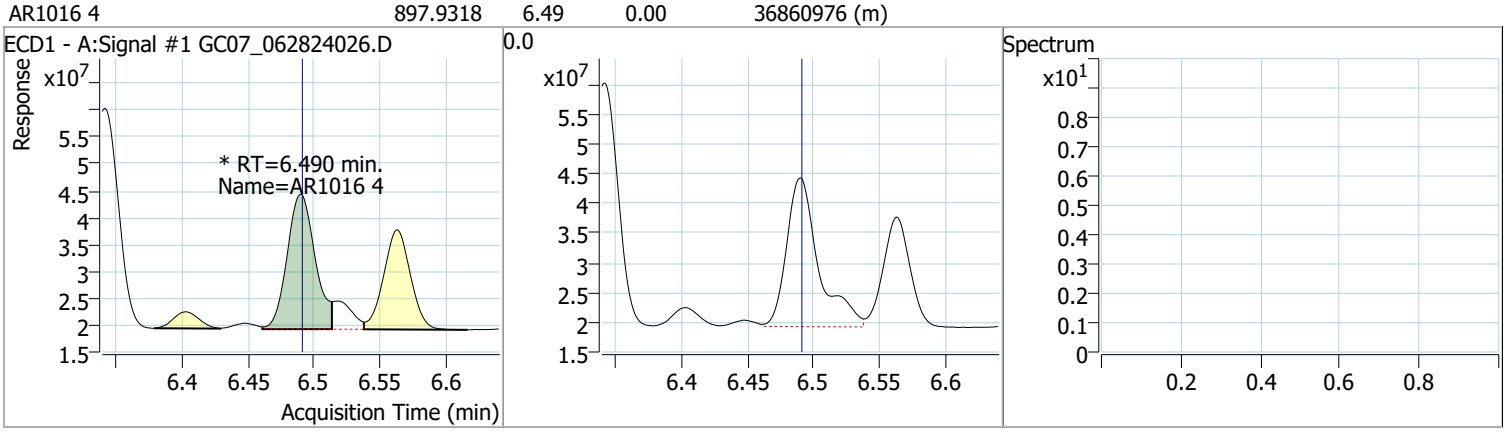
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	943.2282	6.34	0.00	58055063				



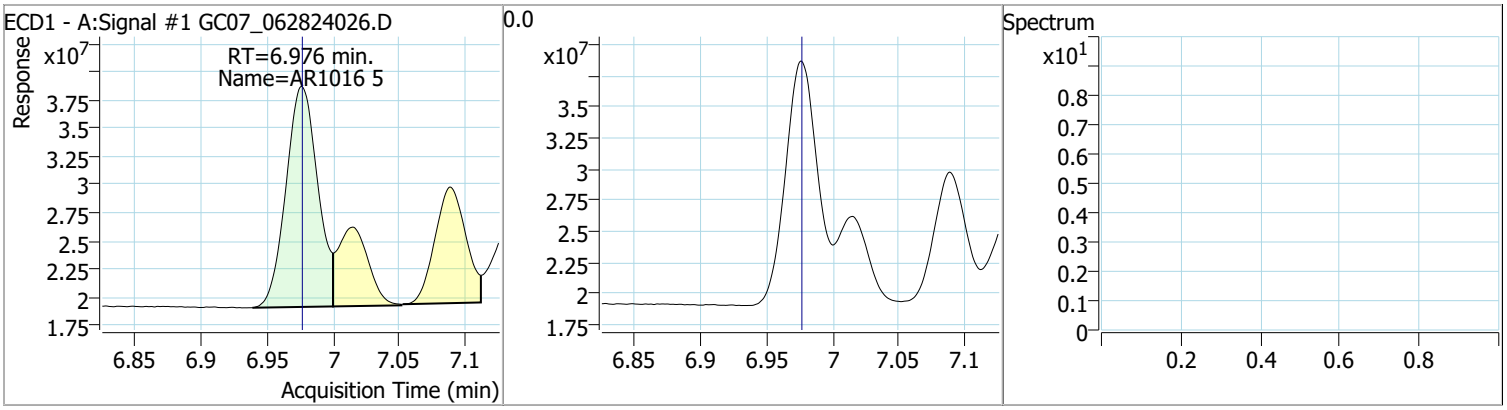
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	883.2391	6.40	0.00	14433160				



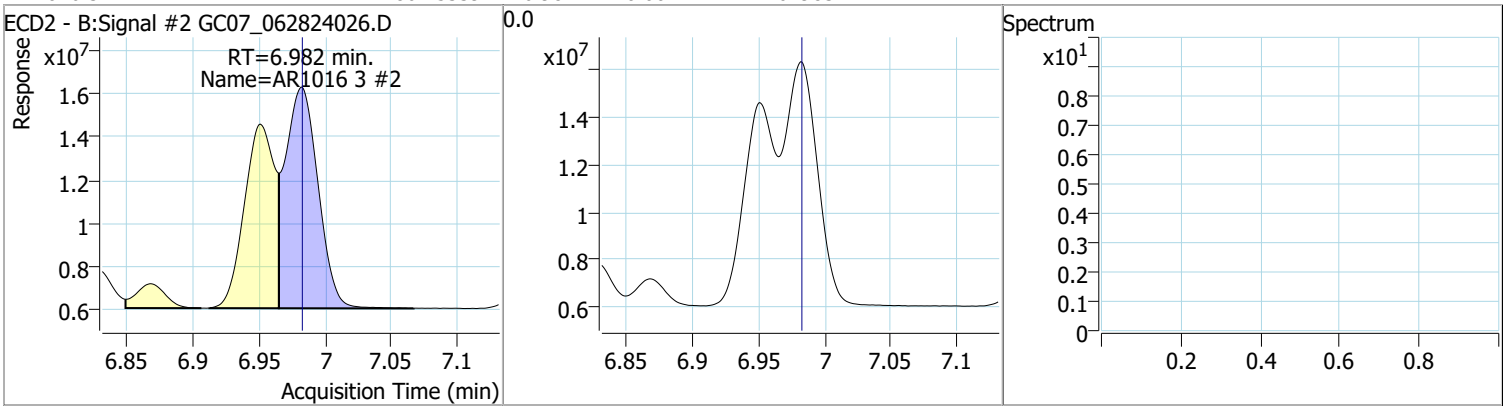
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	897.9318	6.49	0.00	36860976 (m)				



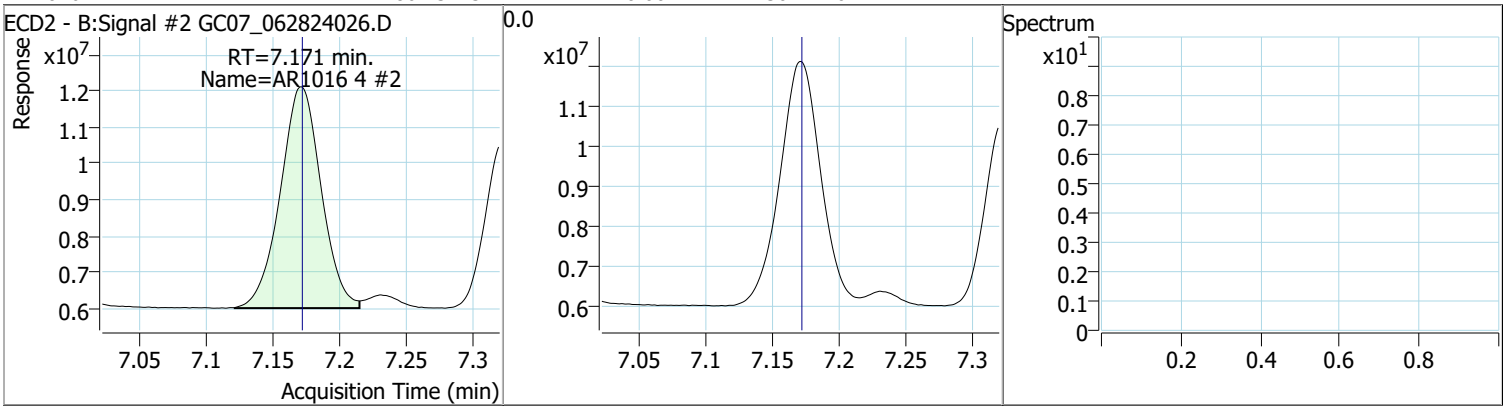
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	905.4024	6.98	0.00	32670578				



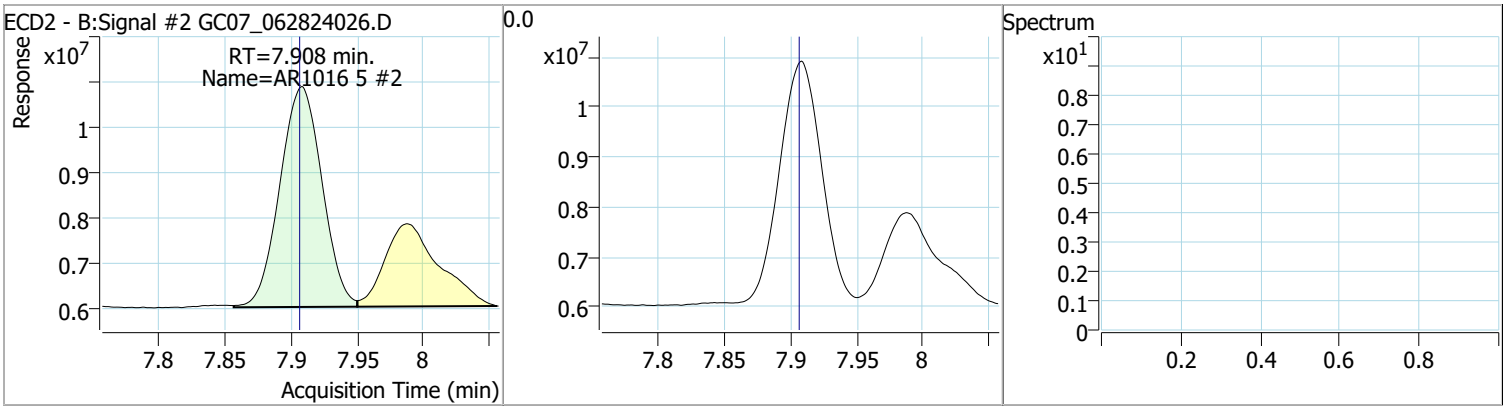
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AR1016 3 #2	864.5339	6.98	0.00	17619837				



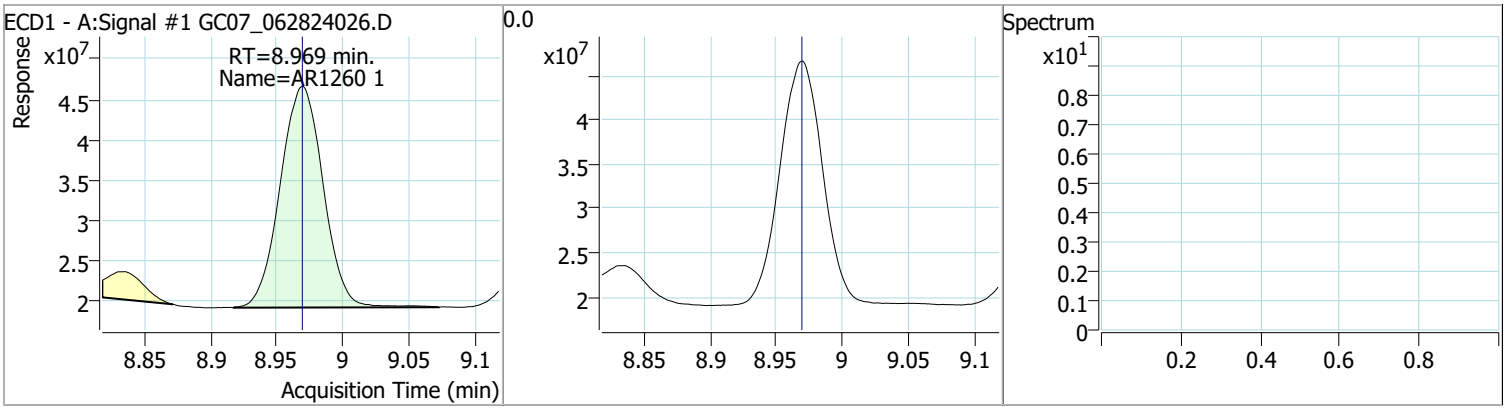
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AR1016 4 #2	864.3743	7.17	0.00	13022776				



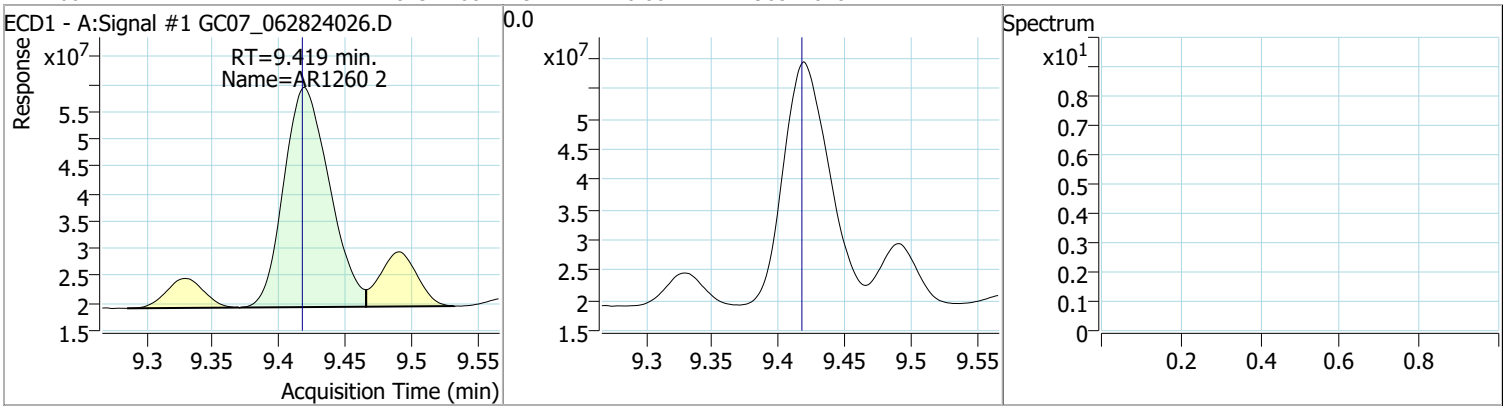
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AR1016 5 #2	884.9935	7.91	0.00	10783865				



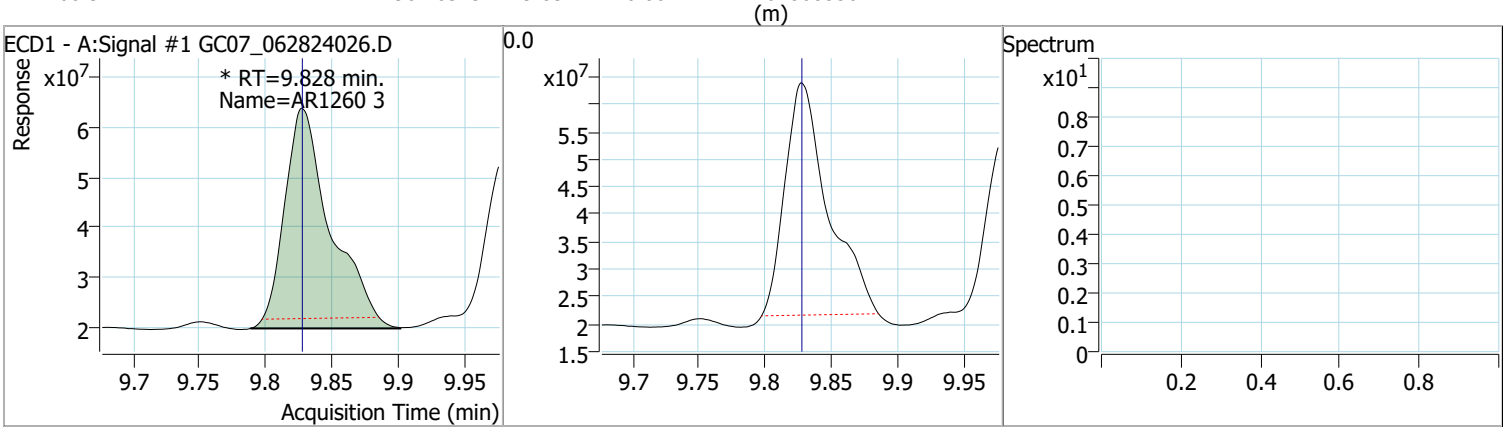
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	860.2643	8.97	0.00	62257475				



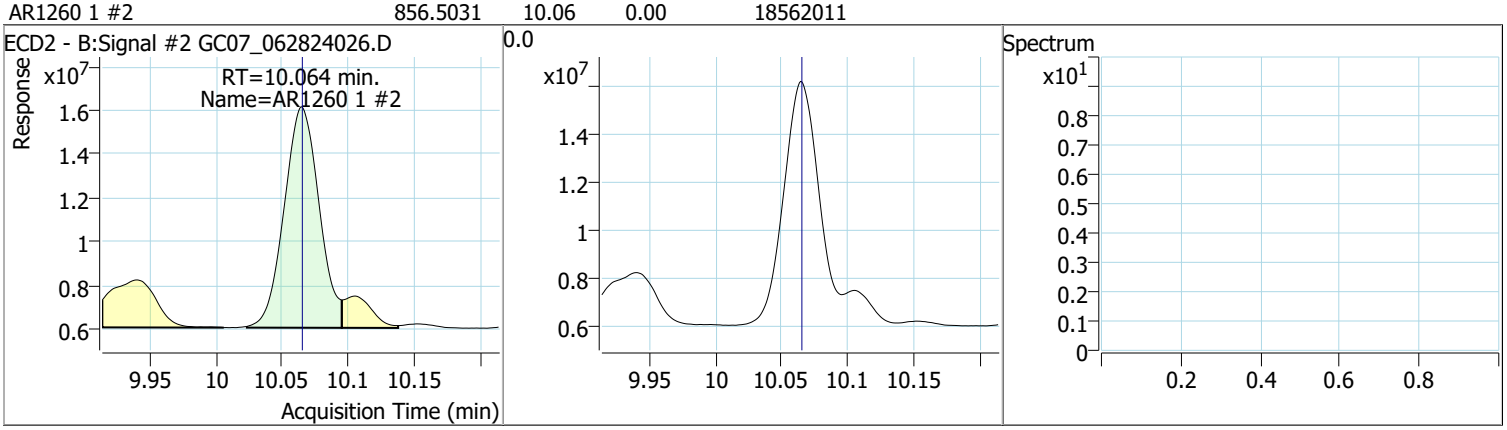
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	873.7408	9.42	0.00	96574670				



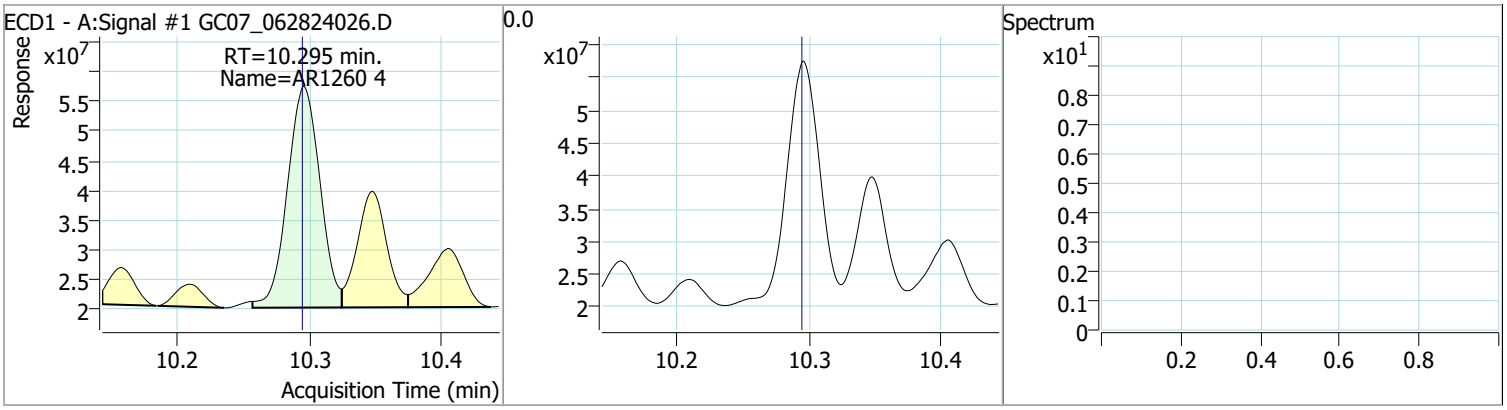
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	907.0323	9.83	0.00	107868556 (m)				



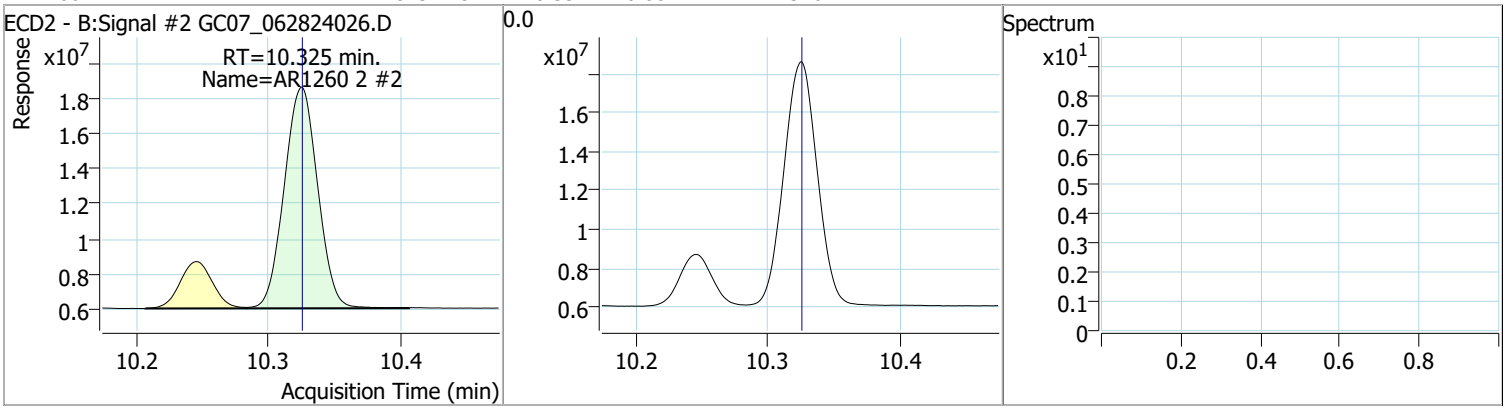
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	856.5031	10.06	0.00	18562011				



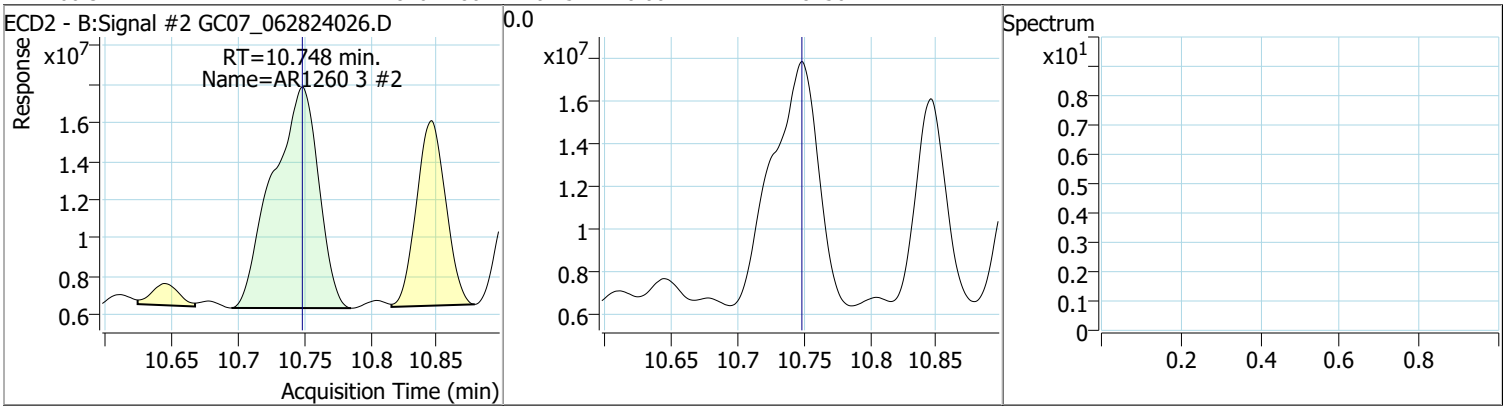
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	926.0476	10.30	0.00	63669929				



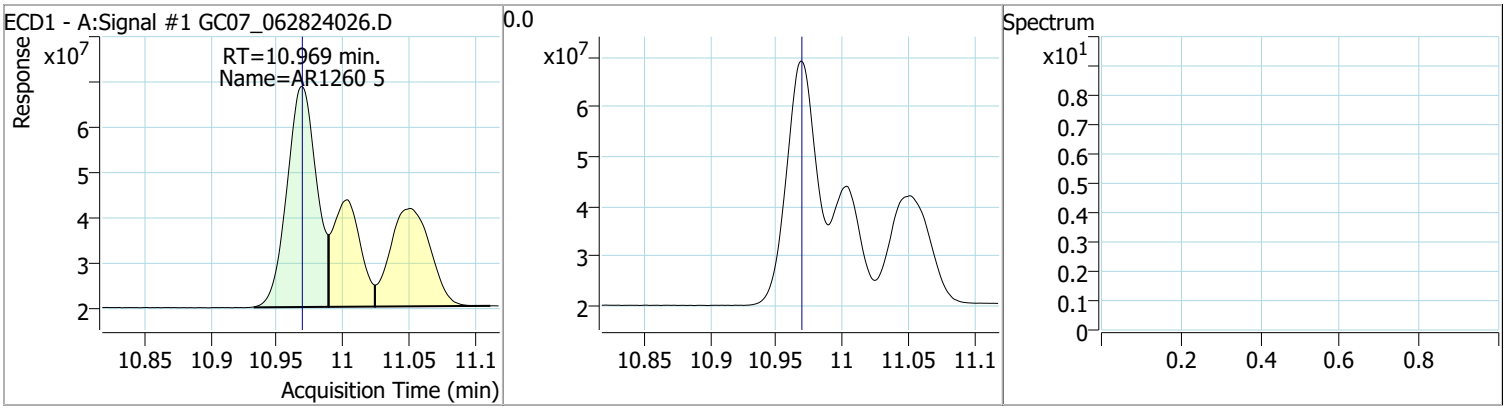
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	813.1181	10.33	0.00	22137647				



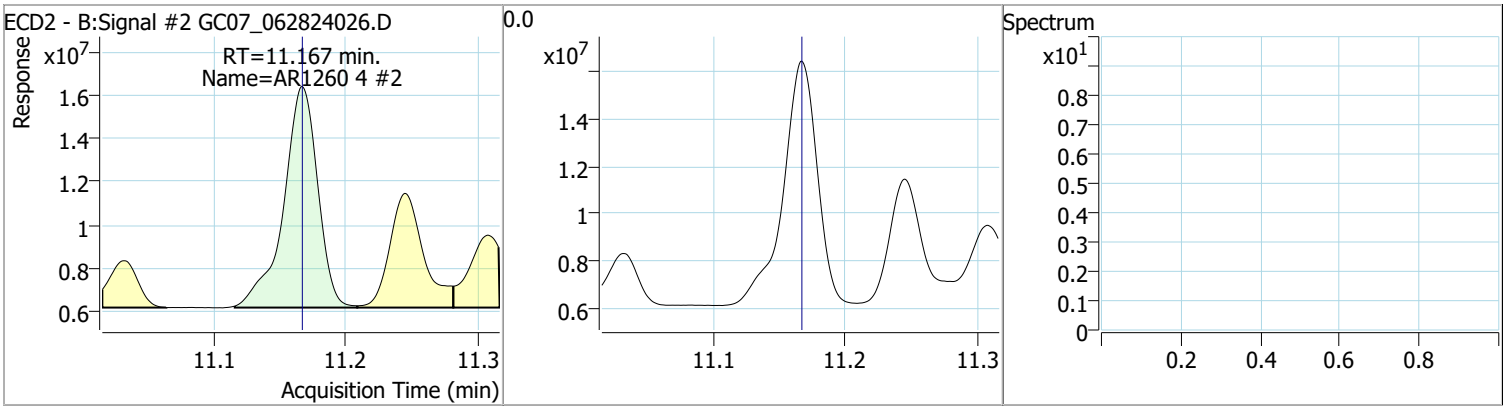
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	846.7180	10.75	0.00	27748156				



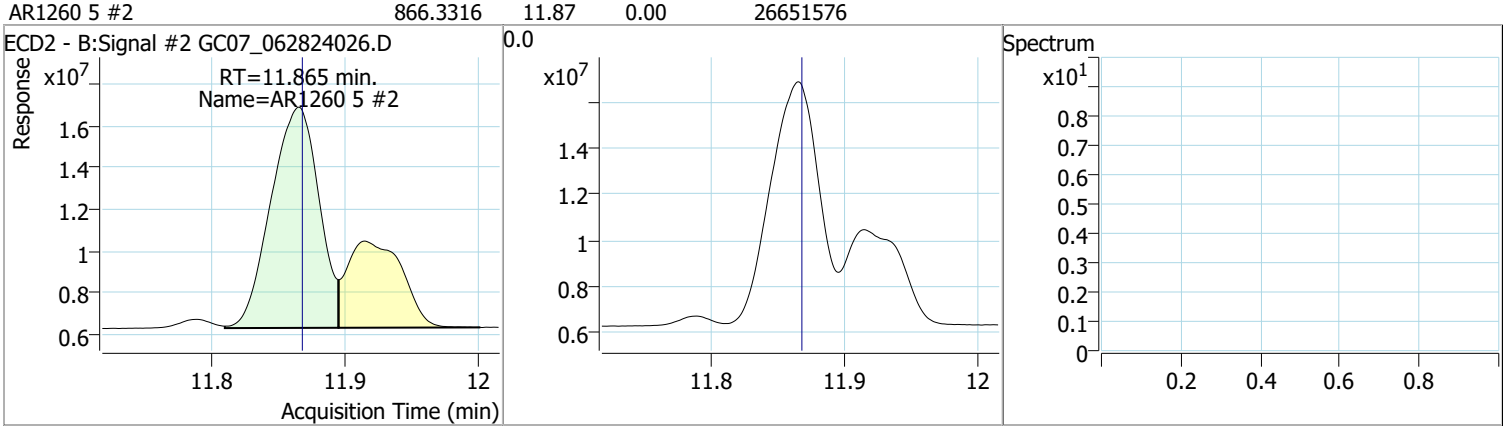
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	925.2302	10.97	0.00	76175017				



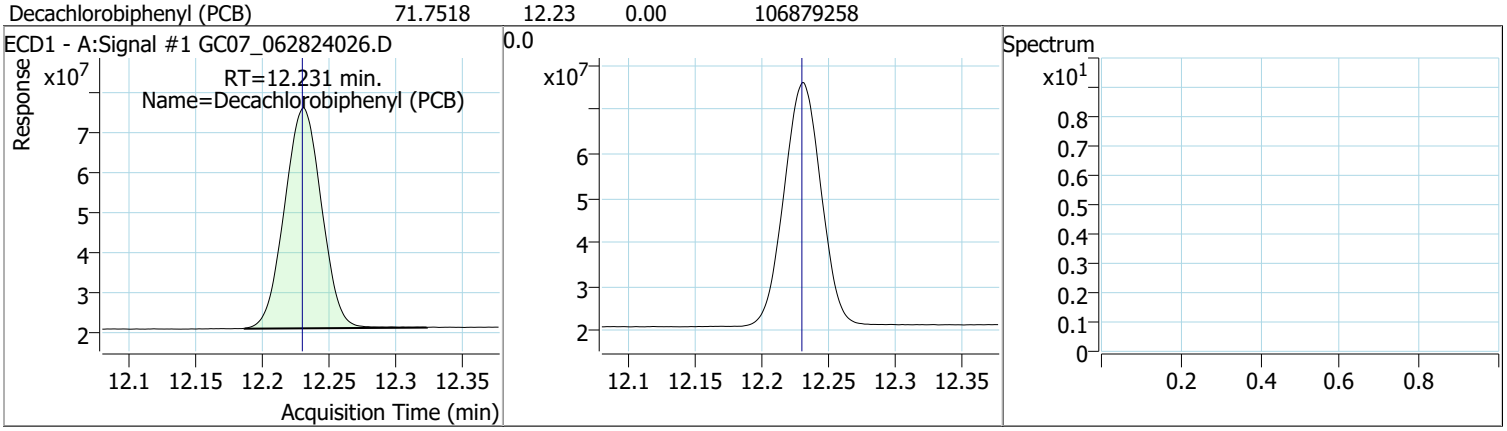
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	892.6833	11.17	0.00	18498356				



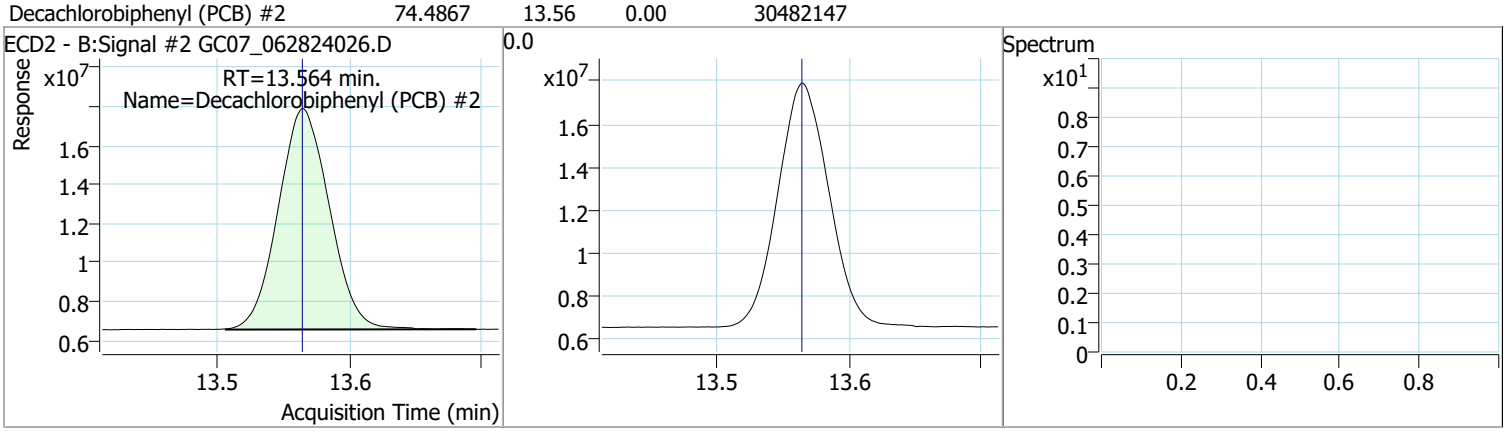
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	866.3316	11.87	0.00	26651576				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.7518	12.23	0.00	106879258				

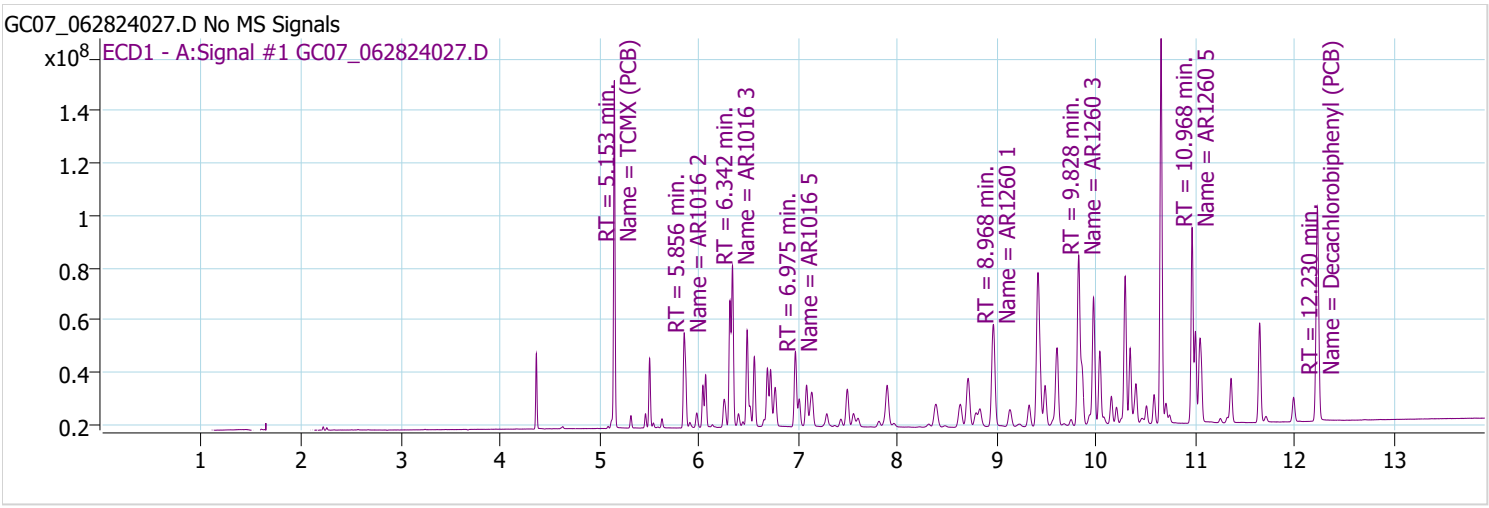


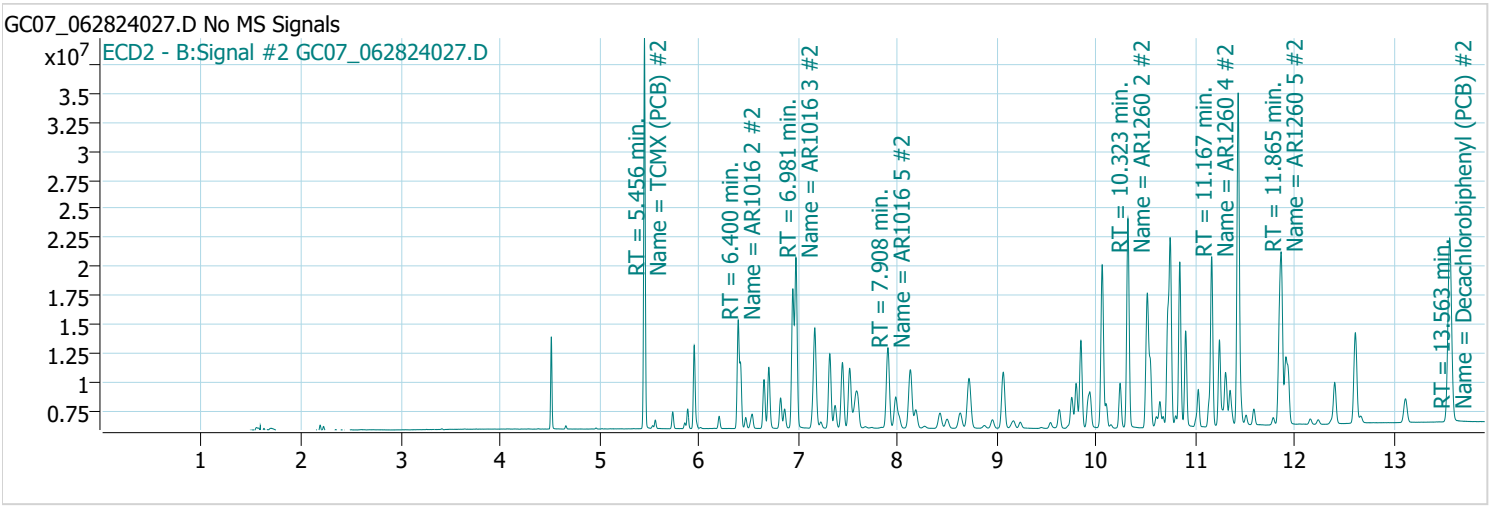
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4867	13.56	0.00	30482147				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:05:33 PM
Sample Name	ICAL, S20890	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



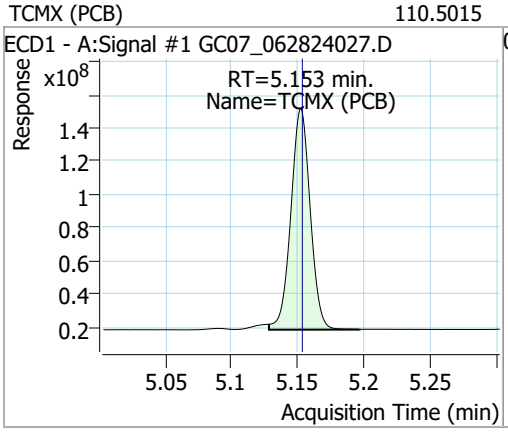


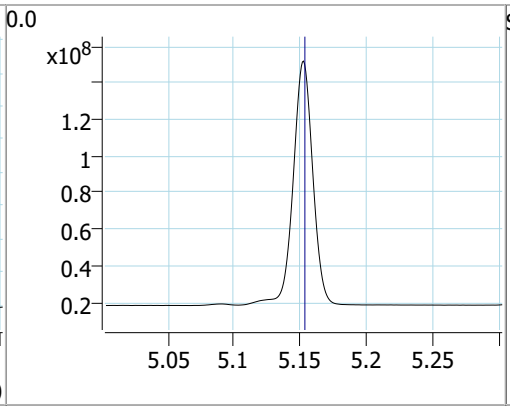
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	26211711.219	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7294805.701	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	135681797.289	110.5015	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.51%		*	
S TCMX (PCB) #2	5.456	0.0	36723935.035	104.9569	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 524.78%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	155357729.375	107.5017	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.51%		*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	42099380.579	105.6404	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.20%		*	
Target Compounds							QValue

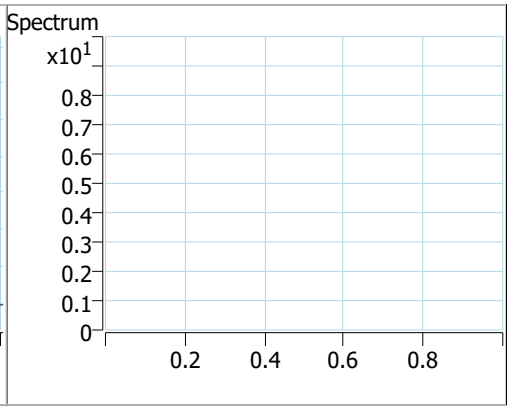
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	30104761.462	1313.9569	ng/ml		100
T AR1016 2	5.856	0.0	63081832.476	1325.3393	ng/ml		100
T AR1016 1 #2	5.957	0.0	9574280.617	1243.0500	ng/ml		100
T AR1016 3	6.342	0.0	85766826.801	1436.2802	ng/ml		100
T AR1016 2 #2	6.400	0.0	20333722.083	1277.7767	ng/ml		100
T AR1016 4	6.489	0.0	53404058.941	1340.8925	ng/ml	m	100
T AR1016 5	6.975	0.0	47712618.799	1362.8914	ng/ml		100
T AR1016 3 #2	6.981	0.0	24950565.990	1257.1344	ng/ml		100
T AR1016 4 #2	7.171	0.0	18481664.733	1259.6810	ng/ml		100
T AR1016 5 #2	7.908	0.0	15343346.463	1293.0250	ng/ml		100
T AR1260 1	8.968	0.0	91727497.794	1306.4208	ng/ml		100
T AR1260 2	9.418	0.0	141892353.087	1323.1879	ng/ml		100
T AR1260 3	9.828	0.0	160895089.250	1394.4850	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	26442213.466	1252.9188	ng/ml		100
T AR1260 4	10.295	0.0	94070300.316	1410.2453	ng/ml		100
T AR1260 2 #2	10.323	0.0	31331561.157	1181.7495	ng/ml		100
T AR1260 3 #2	10.748	0.0	39486596.992	1237.3016	ng/ml		100
T AR1260 5	10.968	0.0	111423646.768	1394.9472	ng/ml		100
T AR1260 4 #2	11.167	0.0	25930171.003	1284.9637	ng/ml		100
T AR1260 5 #2	11.865	0.0	37619666.249	1255.7334	ng/ml		100

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

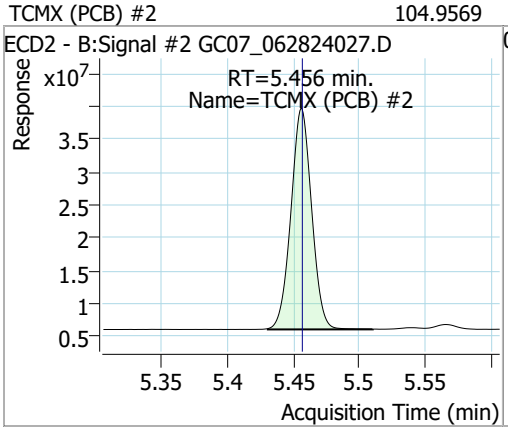
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5015	5.15	0.00	135681797				

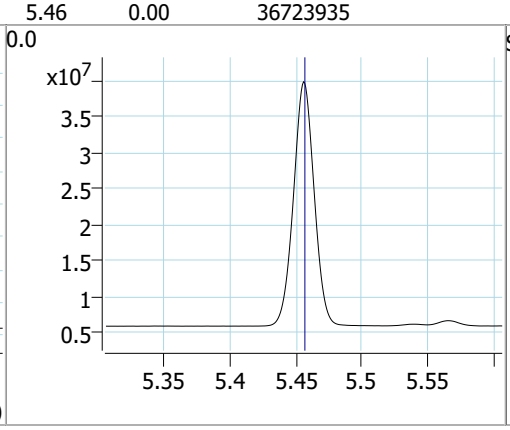


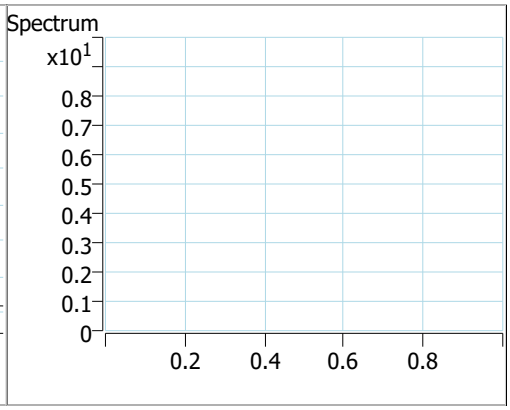




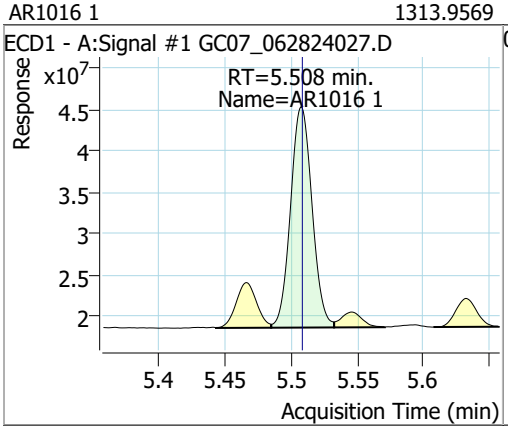
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	104.9569	5.46	0.00	36723935				

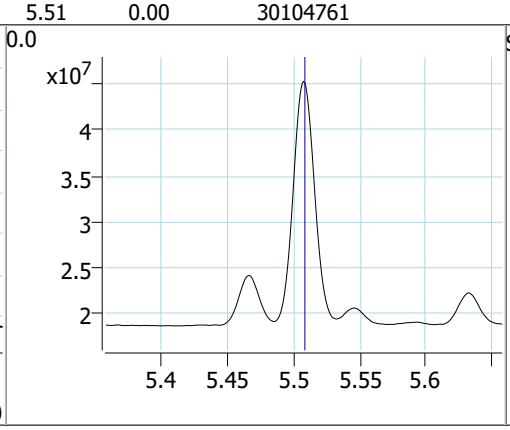


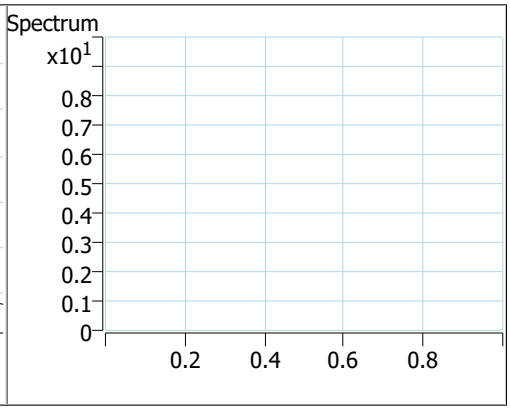




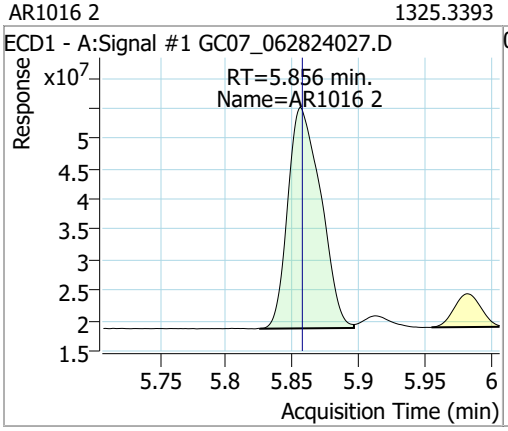
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1313.9569	5.51	0.00	30104761				

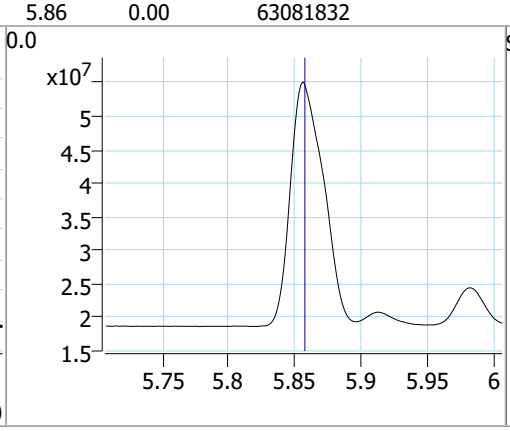


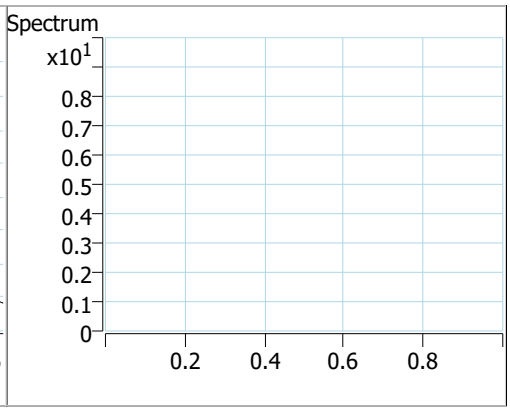




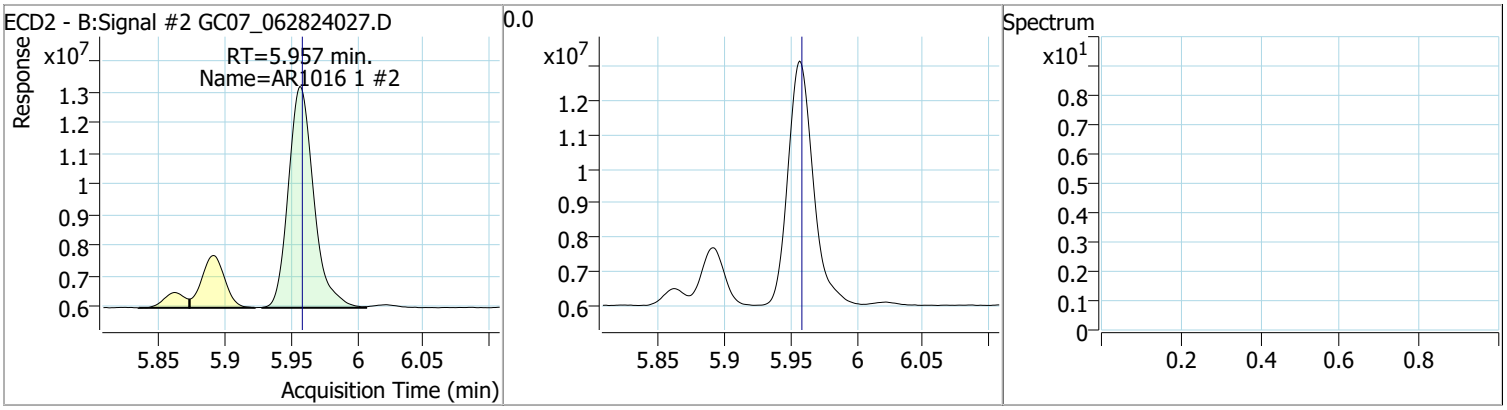
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AR1016 2	1325.3393	5.86	0.00	63081832				



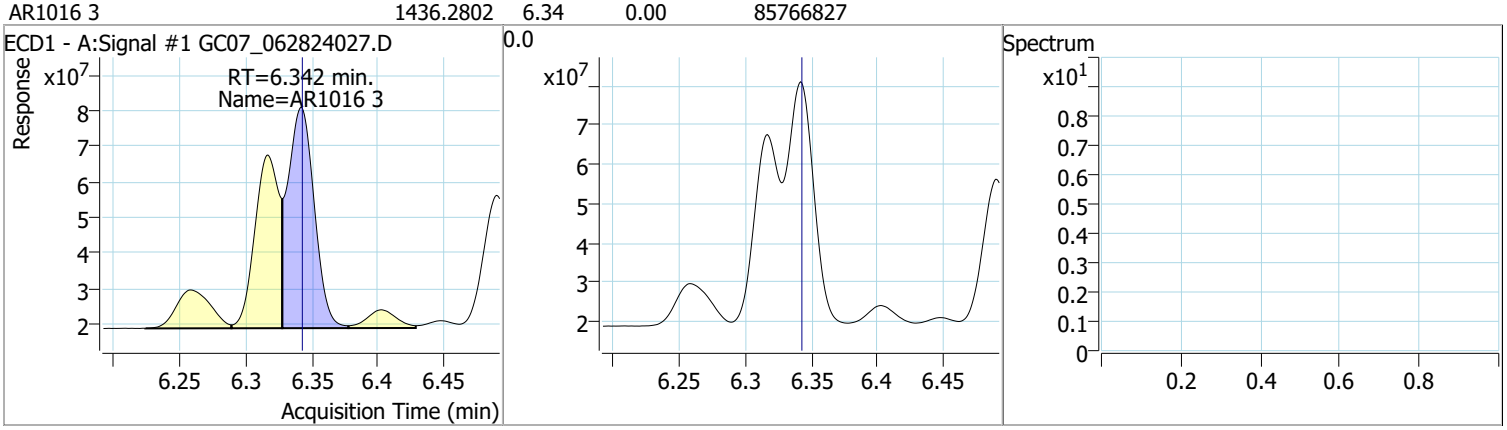




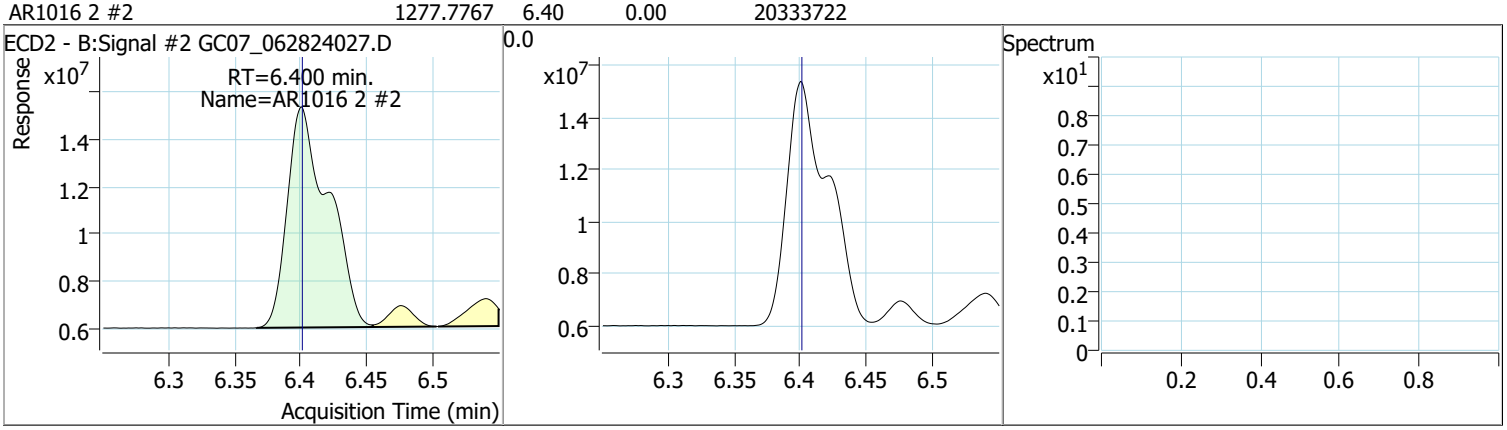
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1243.0500	5.96	0.00	9574281				



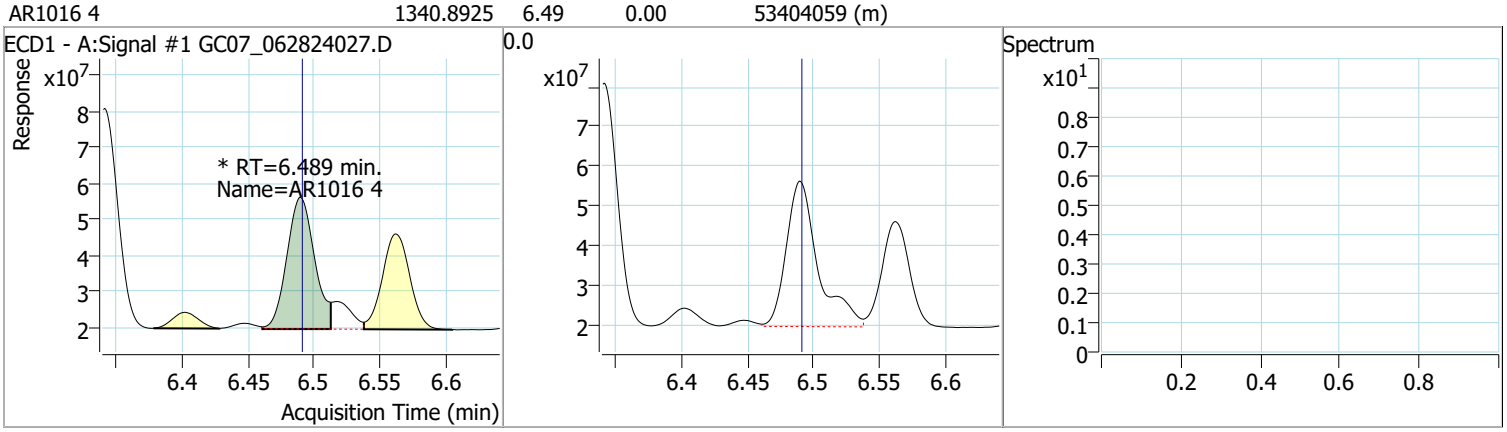
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1436.2802	6.34	0.00	85766827				



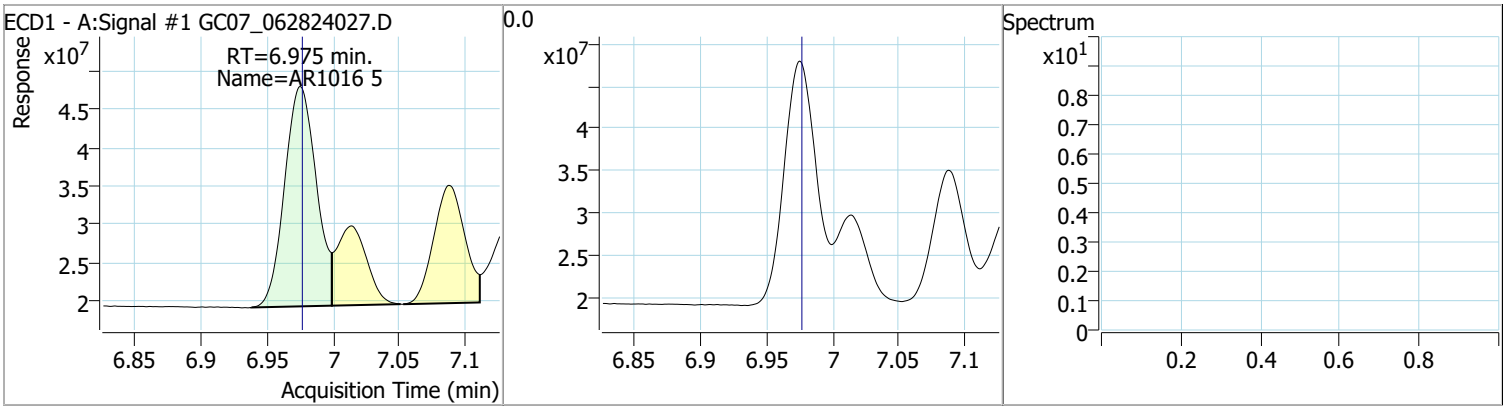
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1277.7767	6.40	0.00	20333722				



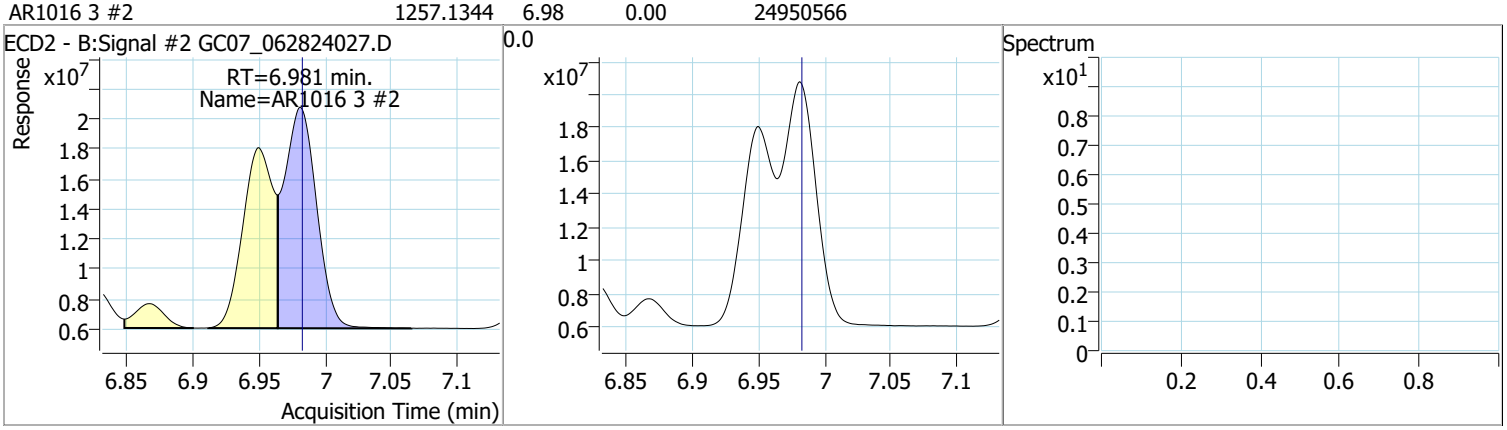
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1340.8925	6.49	0.00	53404059 (m)				



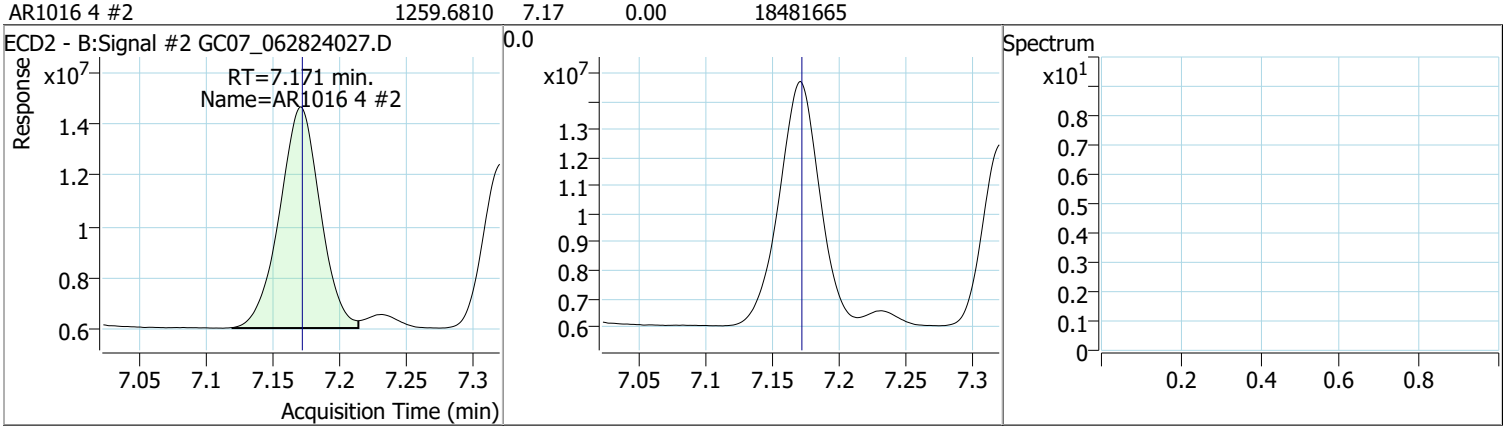
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1362.8914	6.98	0.00	47712619				



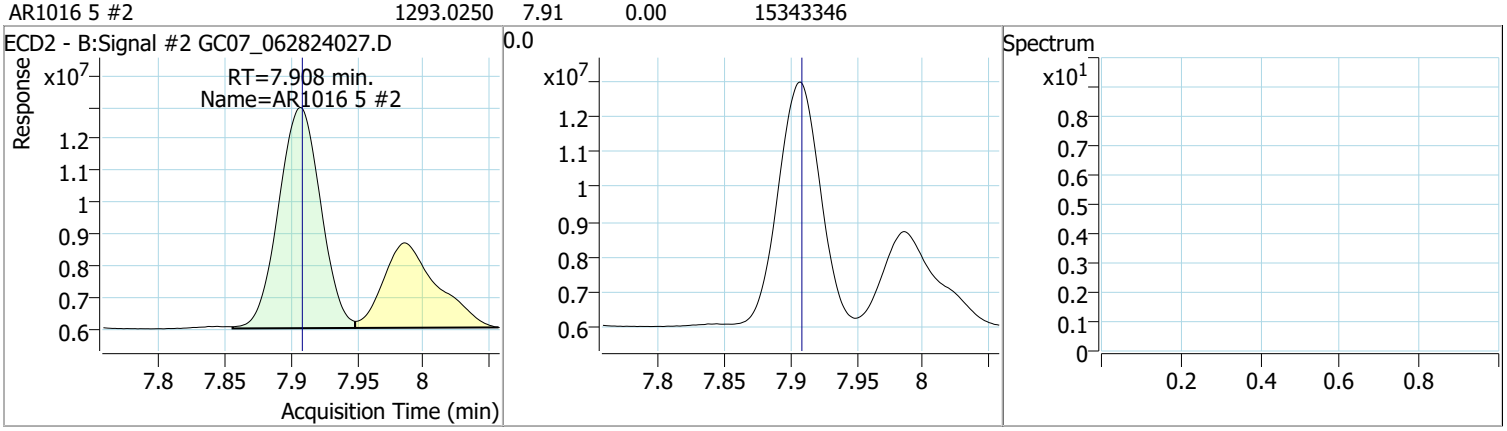
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AR1016 3 #2	1257.1344	6.98	0.00	24950566				



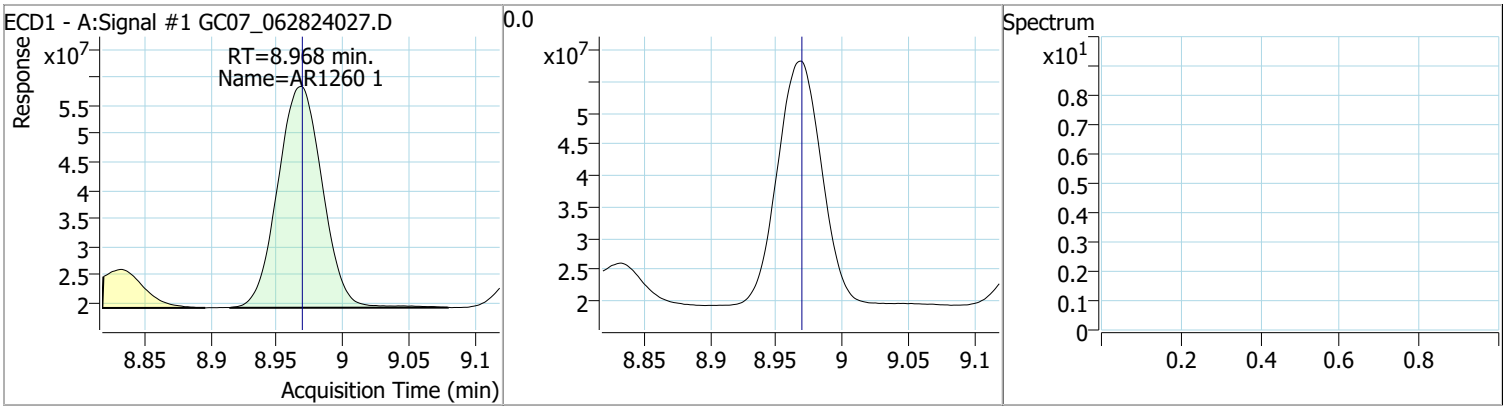
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1259.6810	7.17	0.00	18481665				



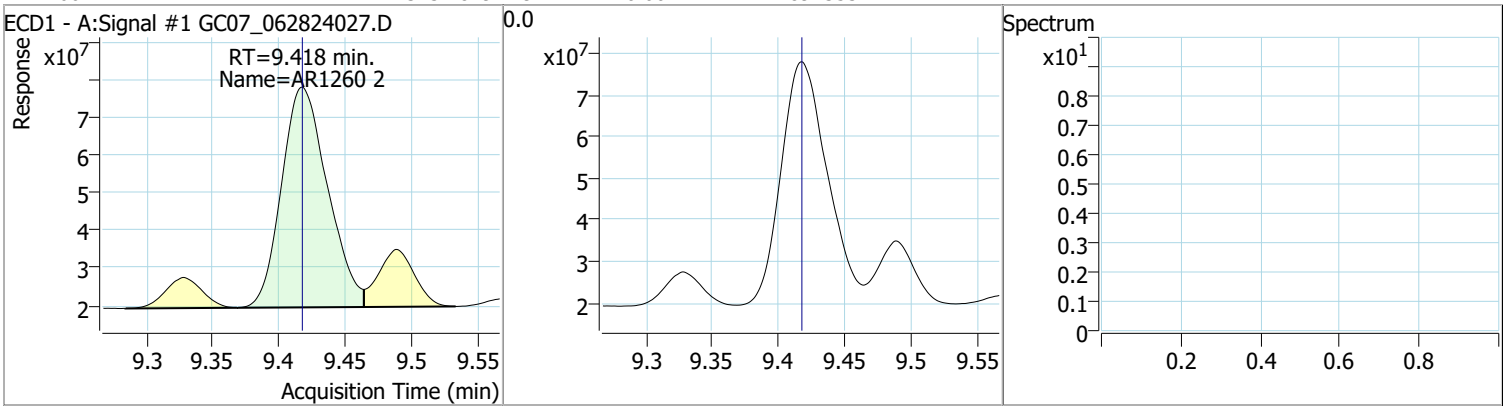
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1293.0250	7.91	0.00	15343346				



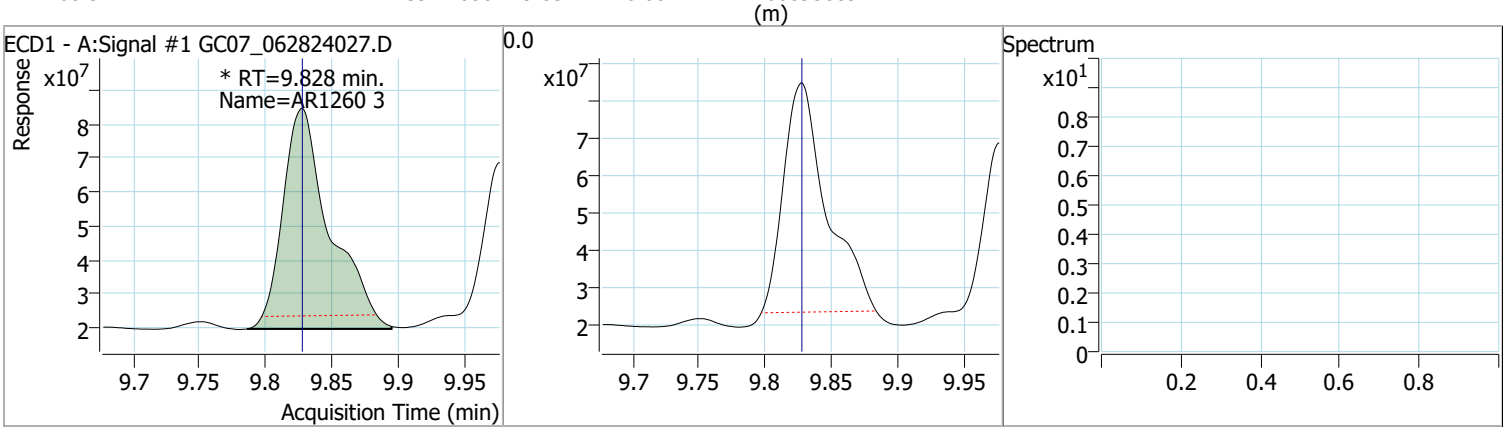
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1306.4208	8.97	0.00	91727498				



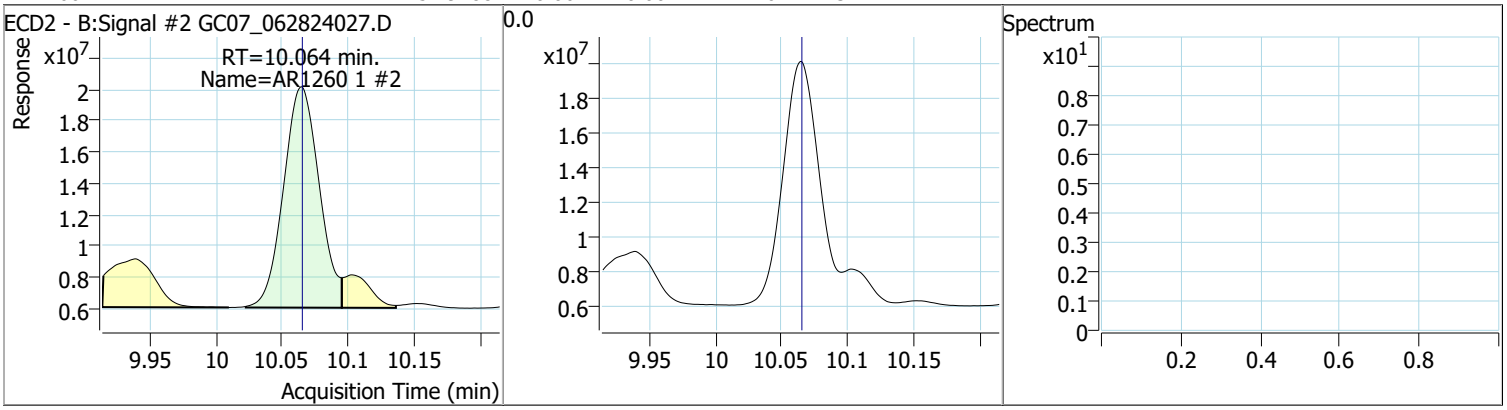
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1323.1879	9.42	0.00	141892353				



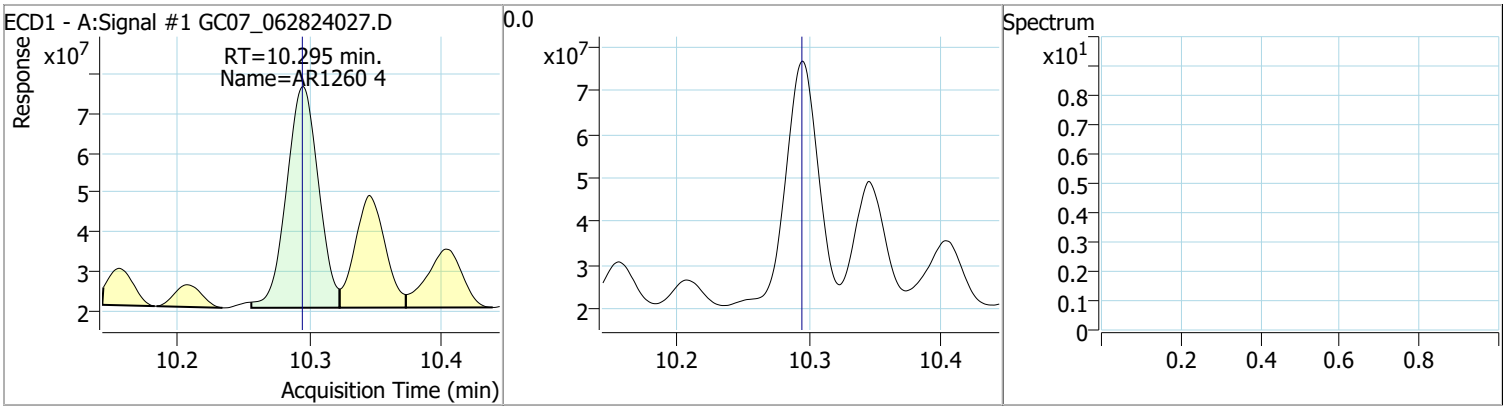
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1394.4850	9.83	0.00	160895089 (m)				



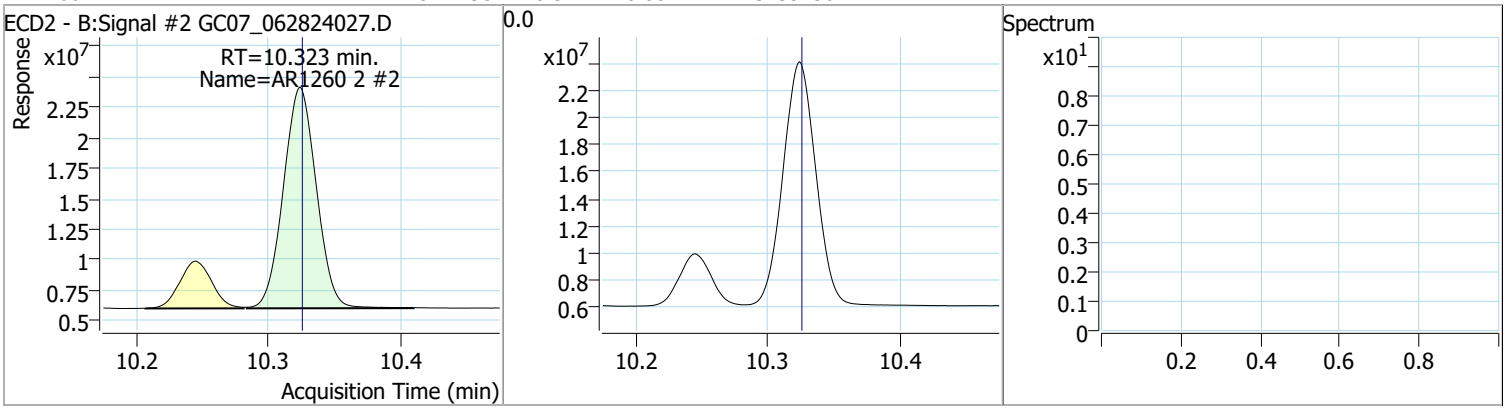
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1252.9188	10.06	0.00	26442213				



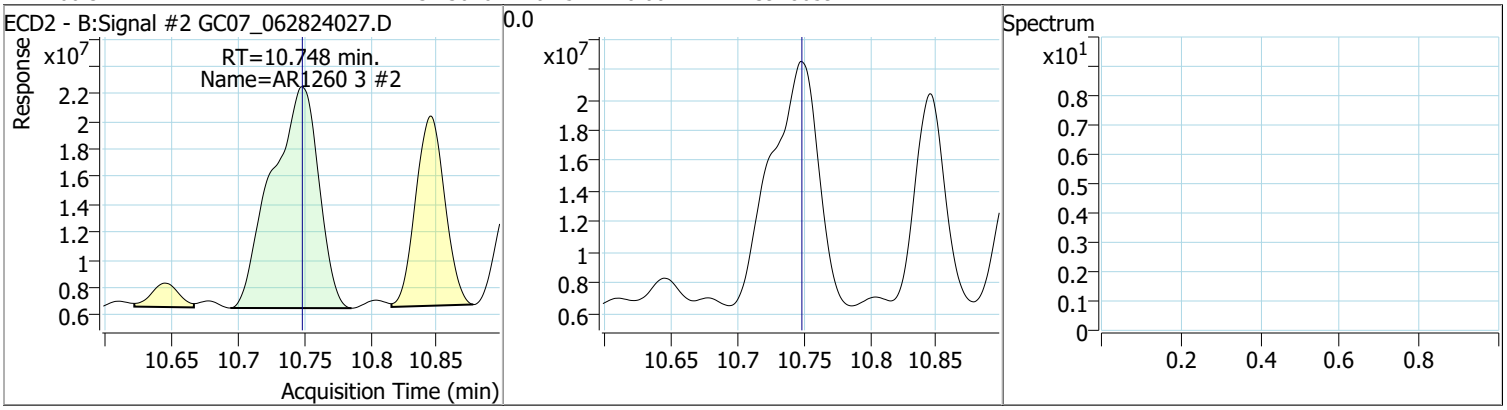
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1410.2453	10.30	0.00	94070300				



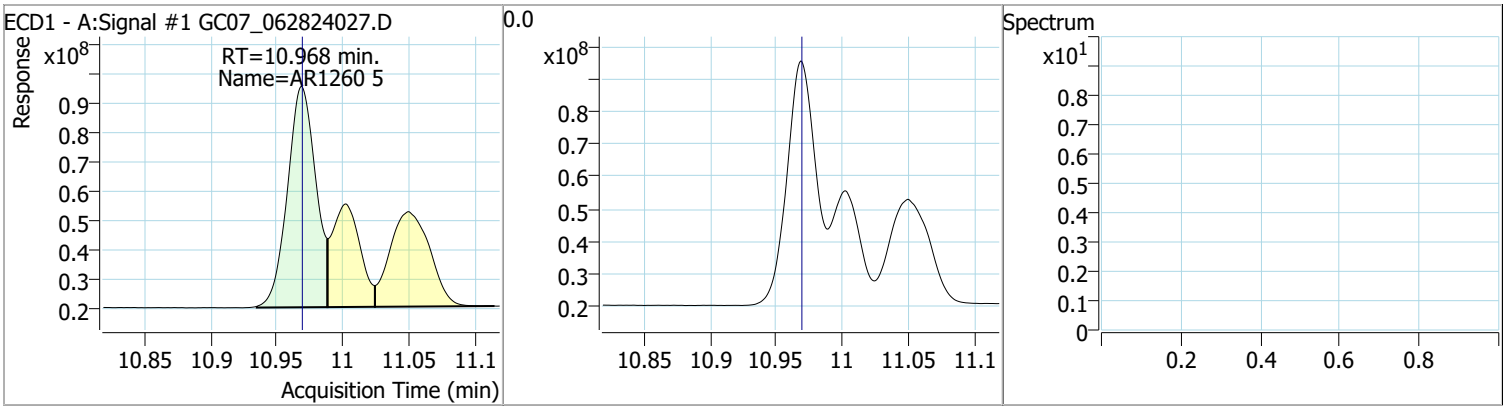
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1181.7495	10.32	0.00	31331561				



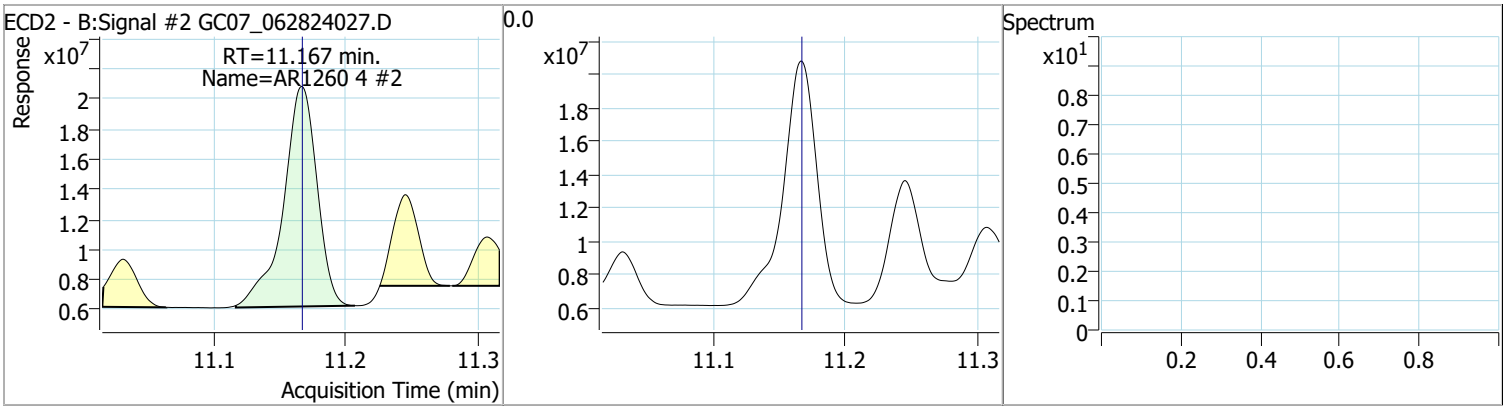
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1237.3016	10.75	0.00	39486597				



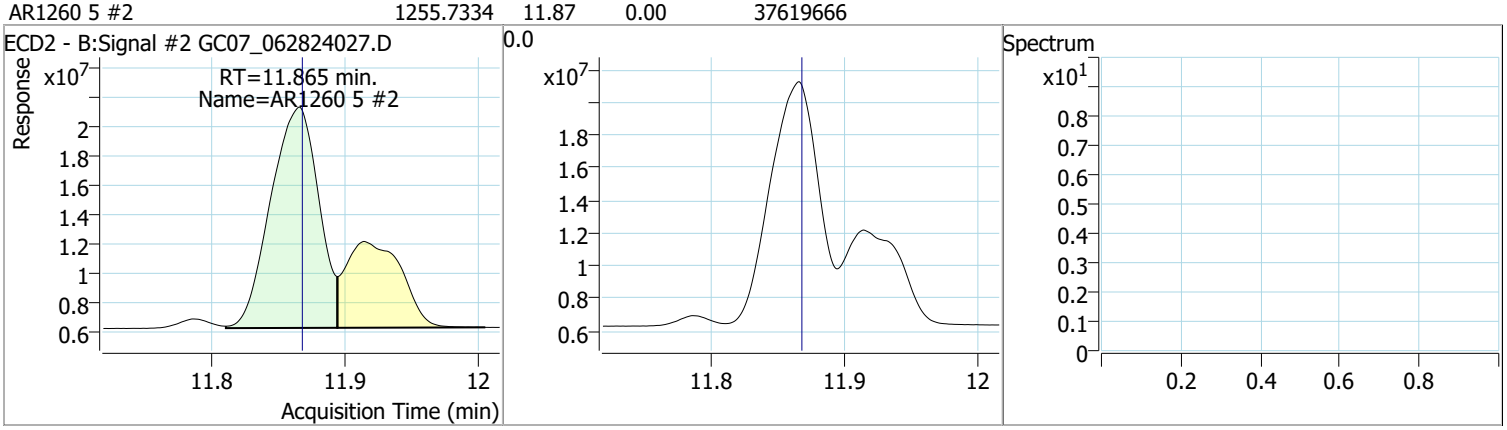
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1394.9472	10.97	0.00	111423647				



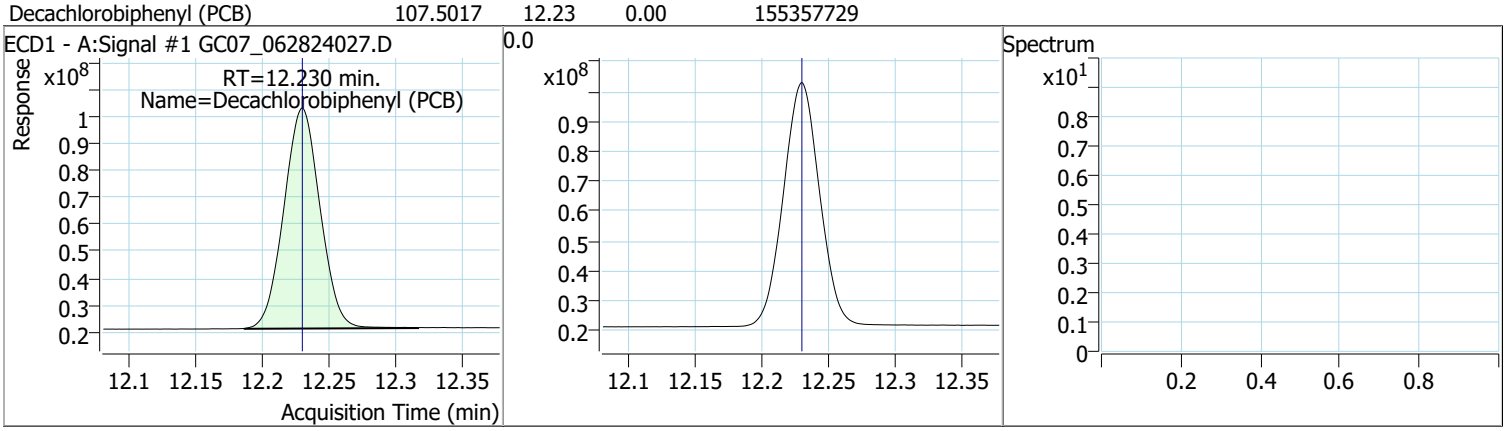
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.9637	11.17	0.00	25930171				



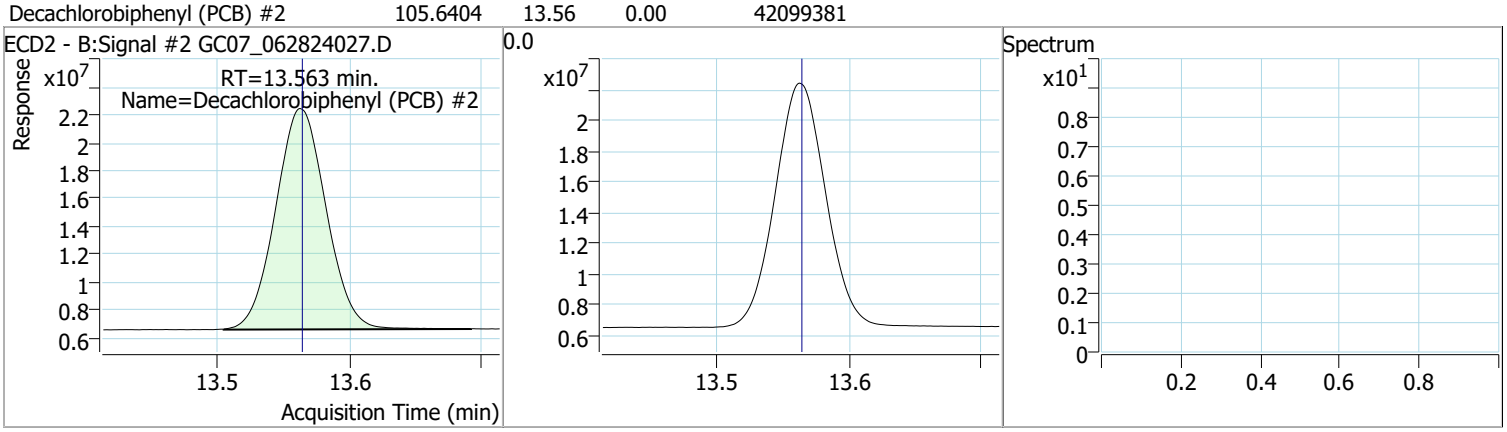
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1255.7334	11.87	0.00	37619666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	107.5017	12.23	0.00	155357729				

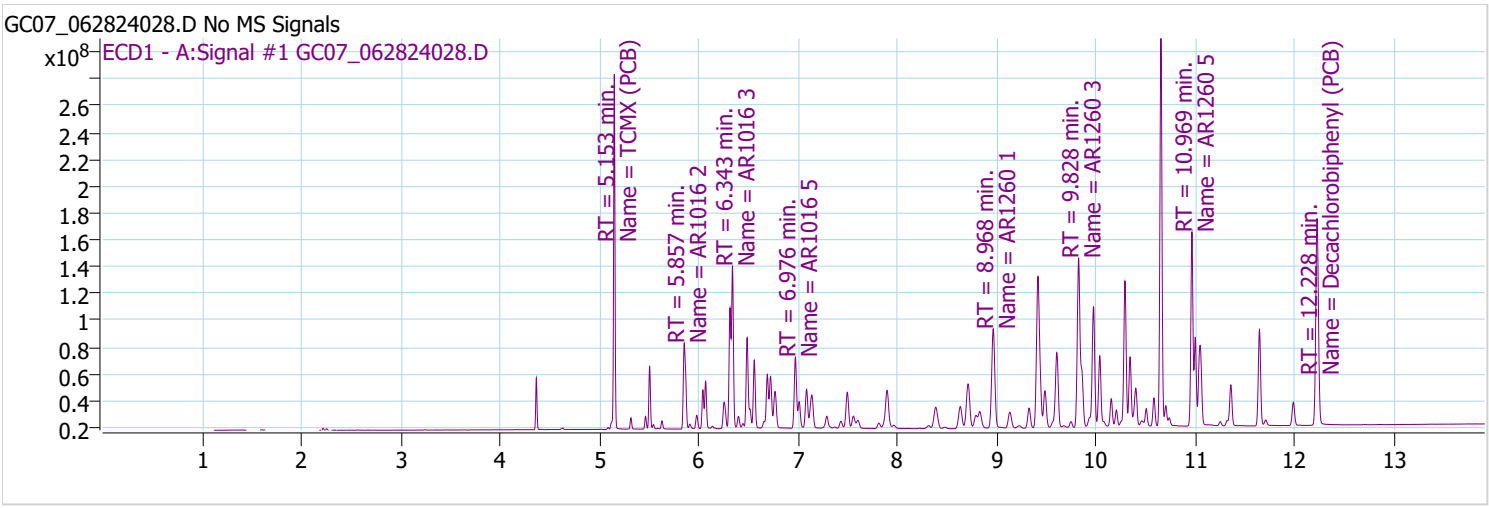


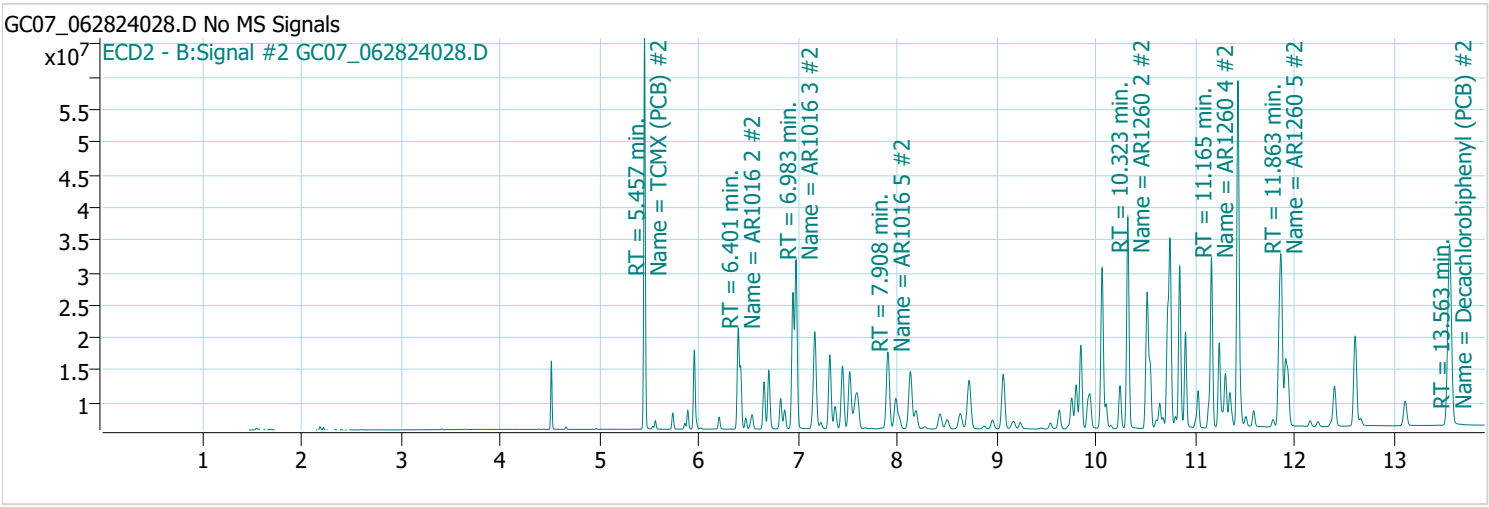
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.6404	13.56	0.00	42099381				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:22:59 PM
Sample Name	ICAL, S20891	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



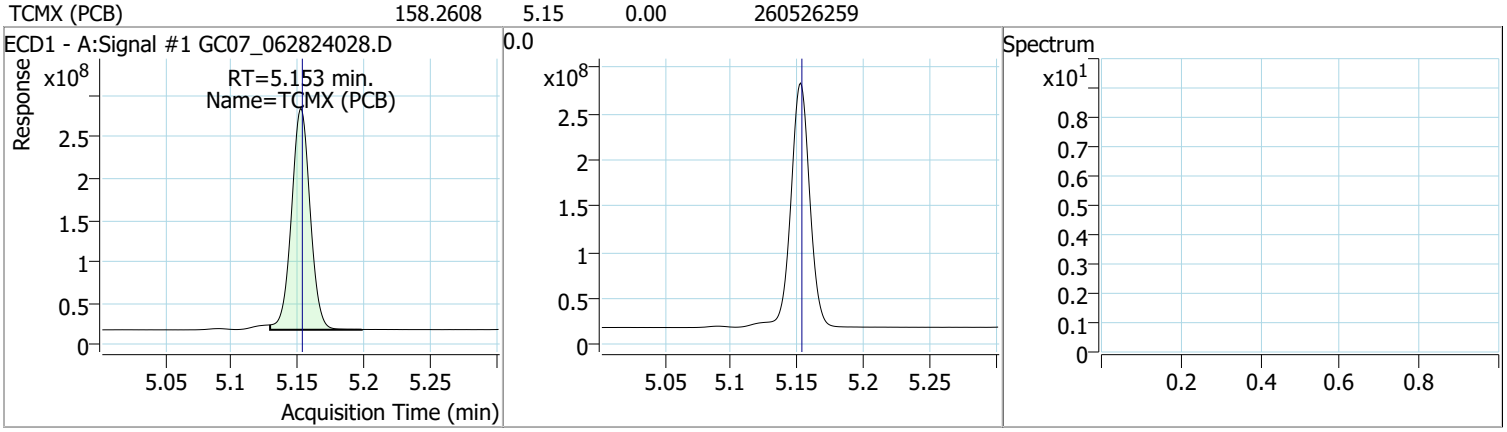


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	35141495.053	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9716811.524	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	260526258.805	158.2608	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 791.30%		*	
S TCMX (PCB) #2	5.457	0.0	66022527.886	141.6590	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.29%		*	
S Decachlorobiphenyl (PCB)	12.228	0.0	295093471.364	152.3061	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 761.53%		*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	75083389.429	141.4452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.23%		*	
Target Compounds							QValue

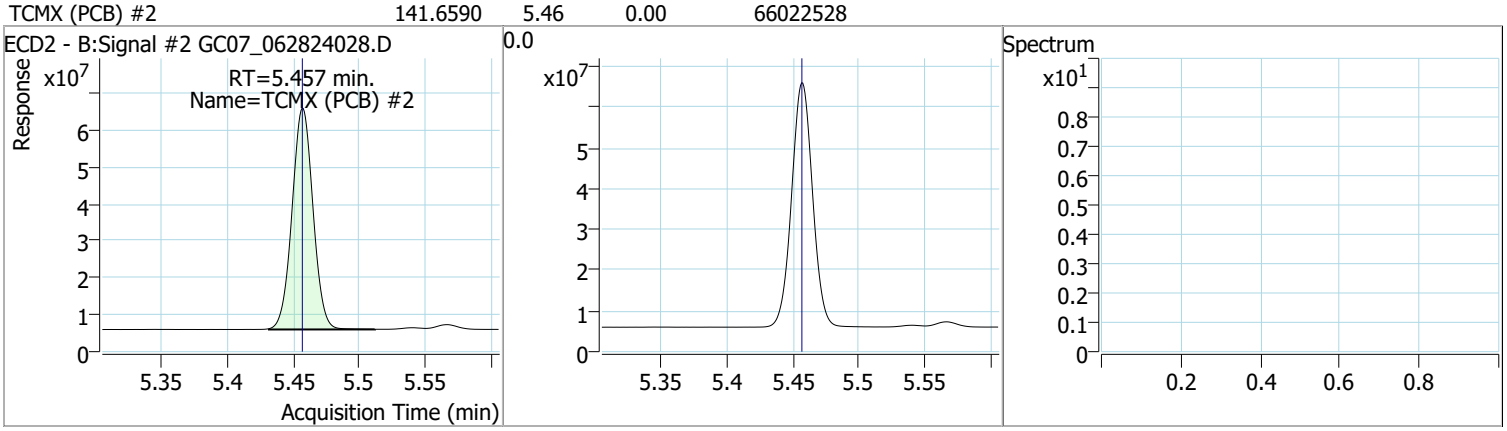
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	52797819.765	1718.8463	ng/ml		100
T AR1016 2	5.857	0.0	111345883.541	1744.9062	ng/ml		100
T AR1016 1 #2	5.958	0.0	16229620.465	1581.9063	ng/ml		100
T AR1016 3	6.343	0.0	158970350.988	1985.6885	ng/ml	m	100
T AR1016 2 #2	6.401	0.0	34600333.701	1632.3314	ng/ml		100
T AR1016 4	6.490	0.0	98962762.106	1853.3892	ng/ml	m	100
T AR1016 5	6.976	0.0	87157456.964	1856.9819	ng/ml		100
T AR1016 3 #2	6.983	0.0	43534275.009	1646.7307	ng/ml		100
T AR1016 4 #2	7.171	0.0	31722770.502	1623.2318	ng/ml		100
T AR1016 5 #2	7.908	0.0	26389484.266	1669.5818	ng/ml		100
T AR1260 1	8.968	0.0	163694033.664	1738.9678	ng/ml		100
T AR1260 2	9.419	0.0	262121139.076	1823.2227	ng/ml		100
T AR1260 3	9.828	0.0	300188552.398	1940.6192	ng/ml		100
T AR1260 1 #2	10.064	0.0	45427087.547	1615.9576	ng/ml		100
T AR1260 4	10.294	0.0	177019455.562	1979.4214	ng/ml		100
T AR1260 2 #2	10.323	0.0	54314494.749	1537.9743	ng/ml		100
T AR1260 3 #2	10.747	0.0	68953559.513	1622.0809	ng/ml		100
T AR1260 5	10.969	0.0	212918830.025	1988.2437	ng/ml		100
T AR1260 4 #2	11.165	0.0	46064500.554	1713.7276	ng/ml		100
T AR1260 5 #2	11.863	0.0	66563997.777	1668.0607	ng/ml		100

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

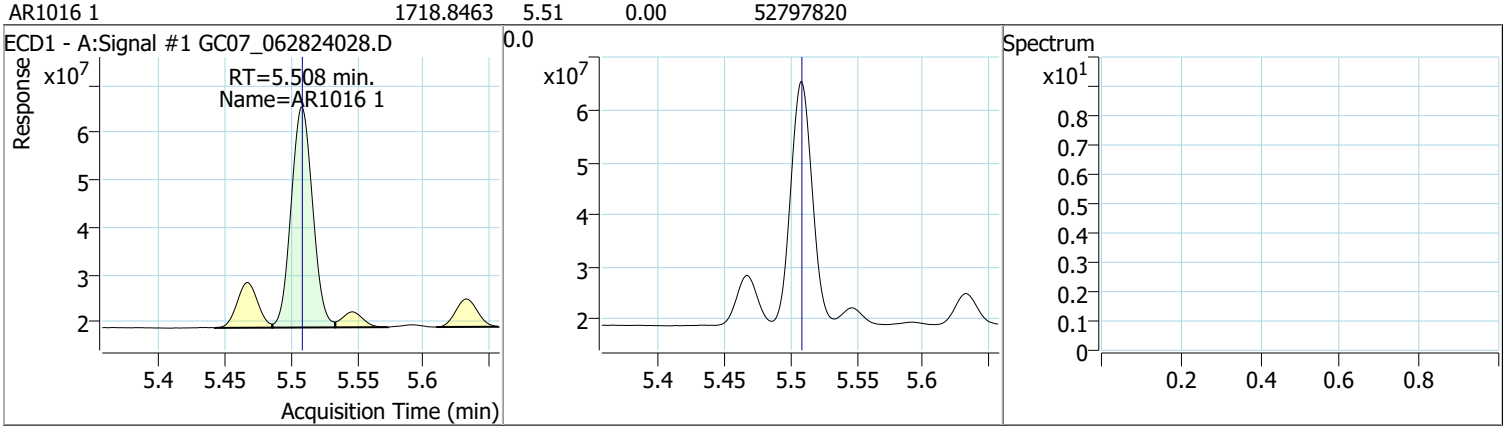
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	158.2608	5.15	0.00	260526259				



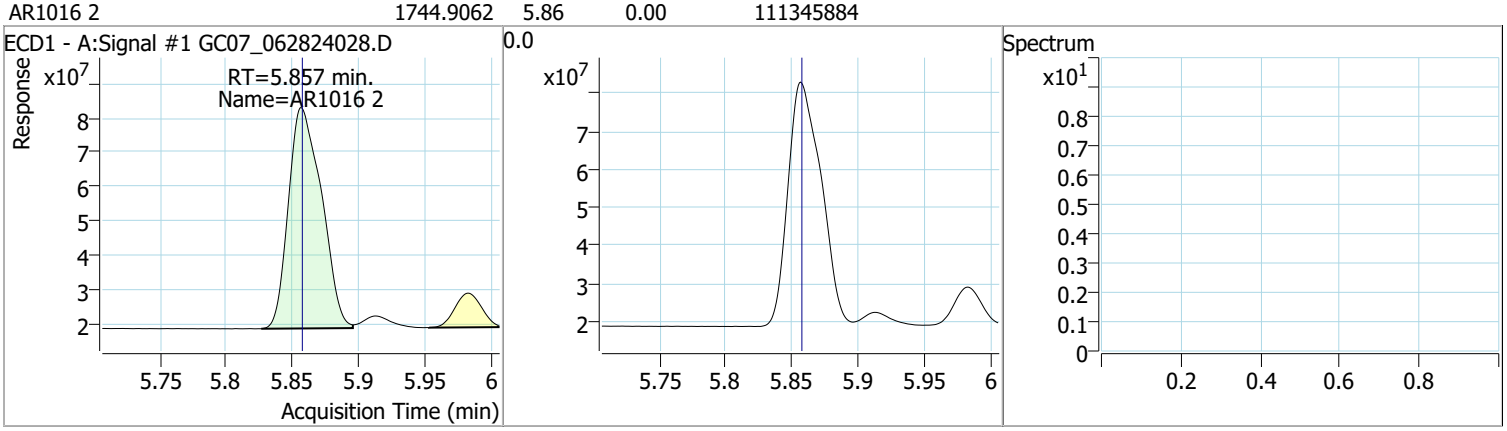
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	141.6590	5.46	0.00	66022528				



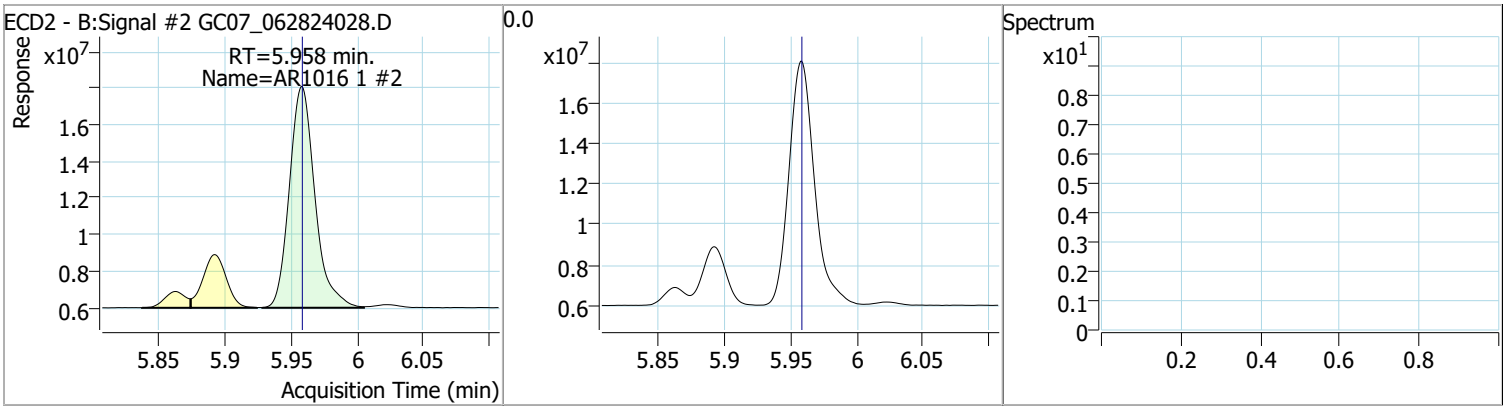
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1718.8463	5.51	0.00	52797820				



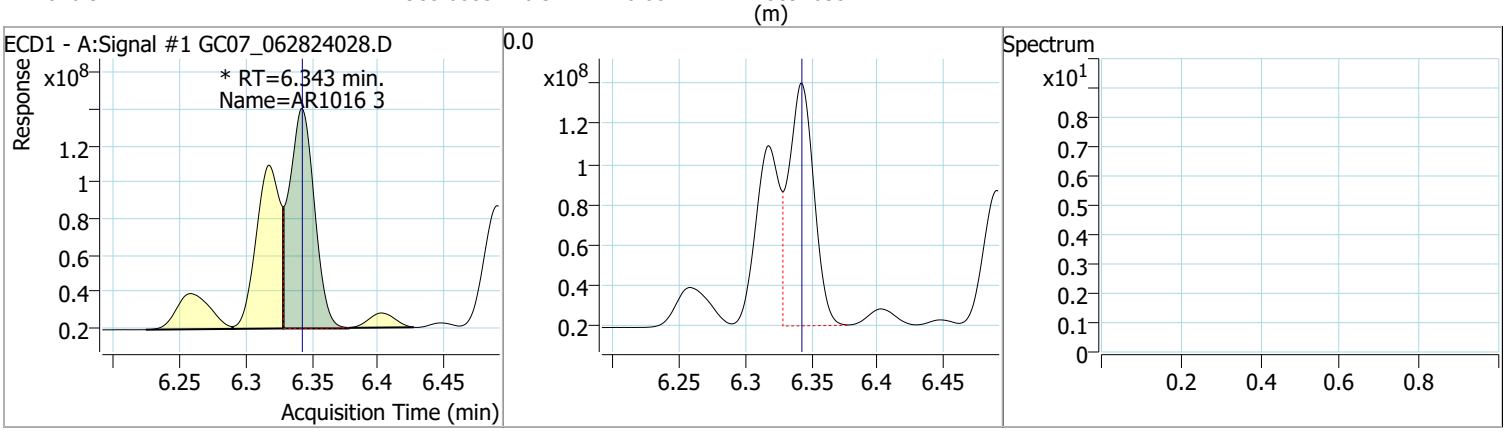
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1744.9062	5.86	0.00	111345884				



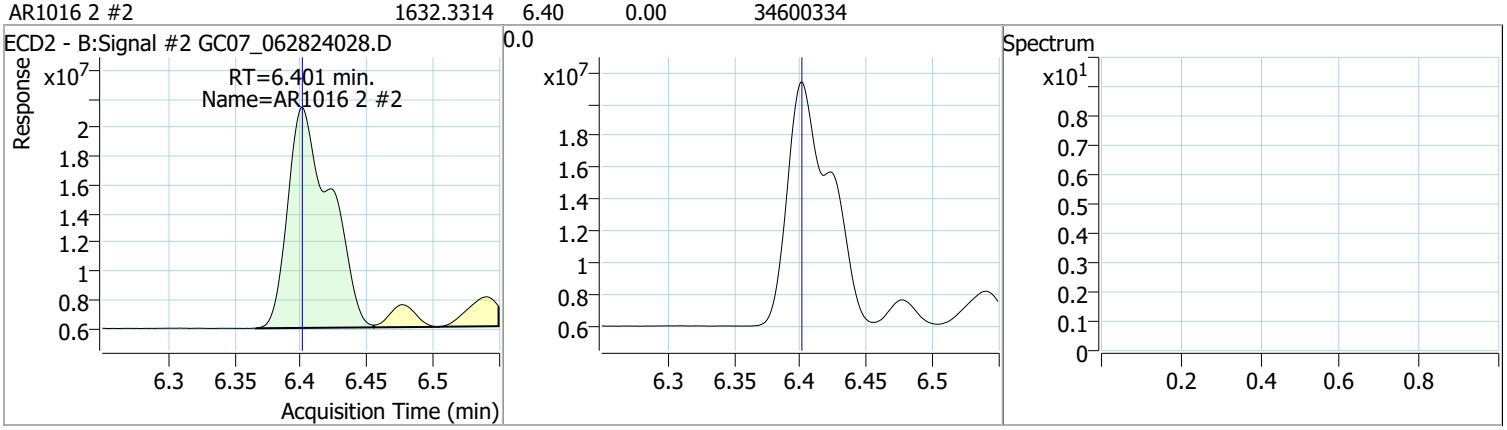
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1581.9063	5.96	0.00	16229620				



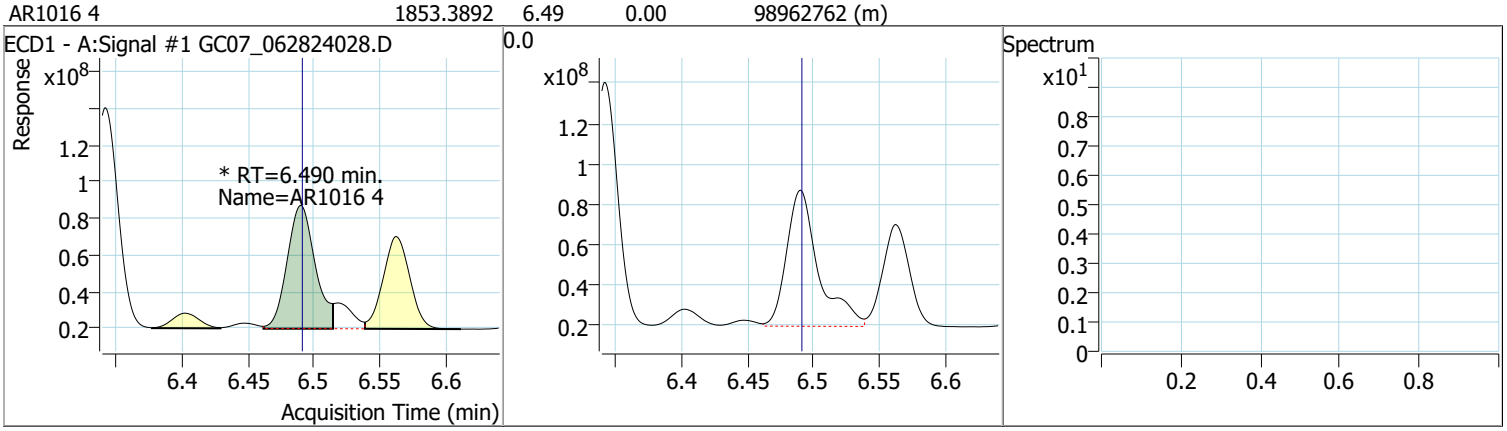
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1985.6885	6.34	0.00	158970351 (m)				



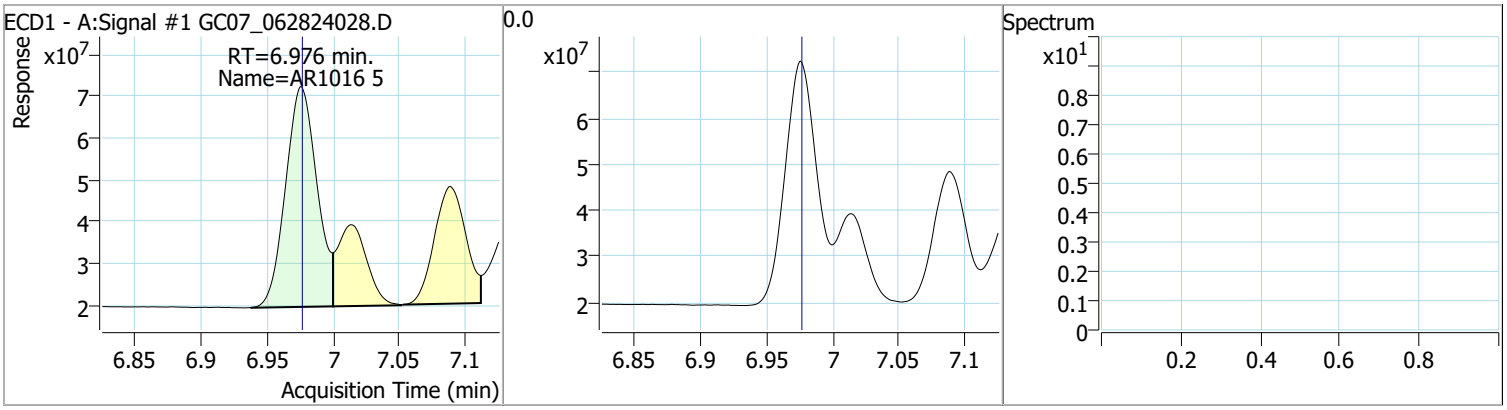
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1632.3314	6.40	0.00	34600334				



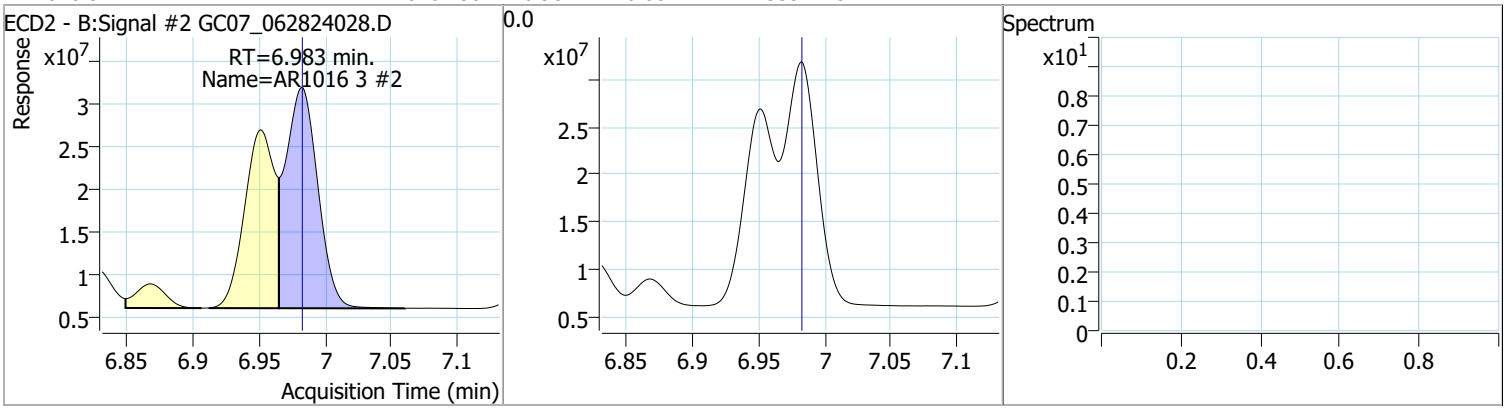
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1853.3892	6.49	0.00	98962762 (m)				



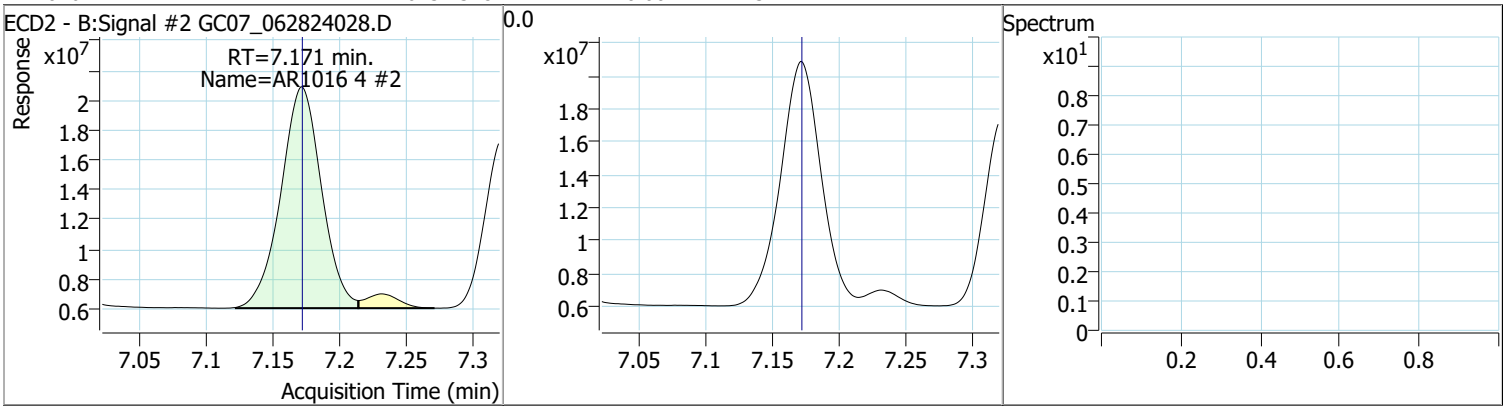
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1856.9819	6.98	0.00	87157457				



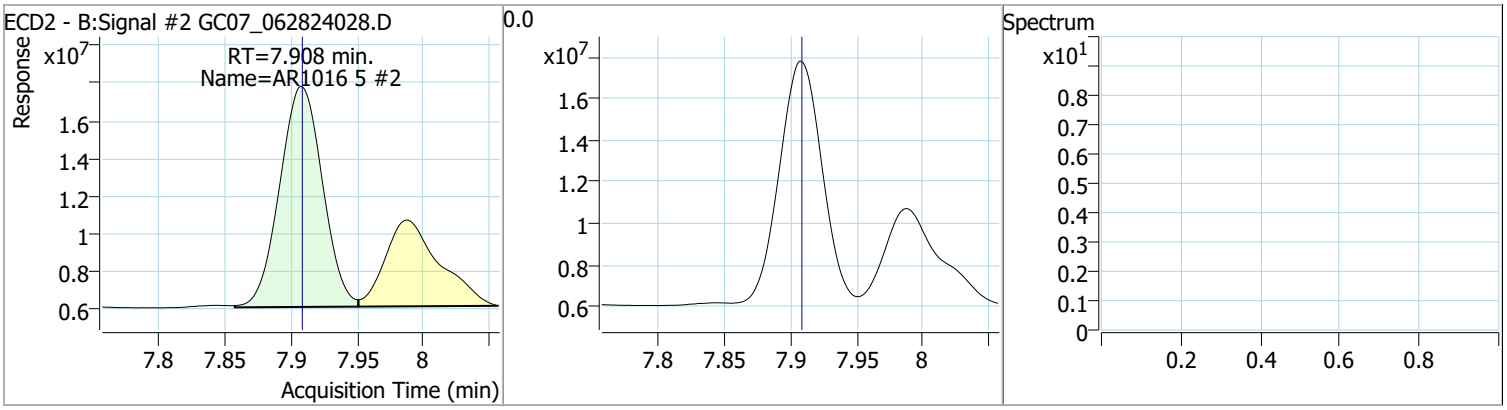
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1646.7307	6.98	0.00	43534275				



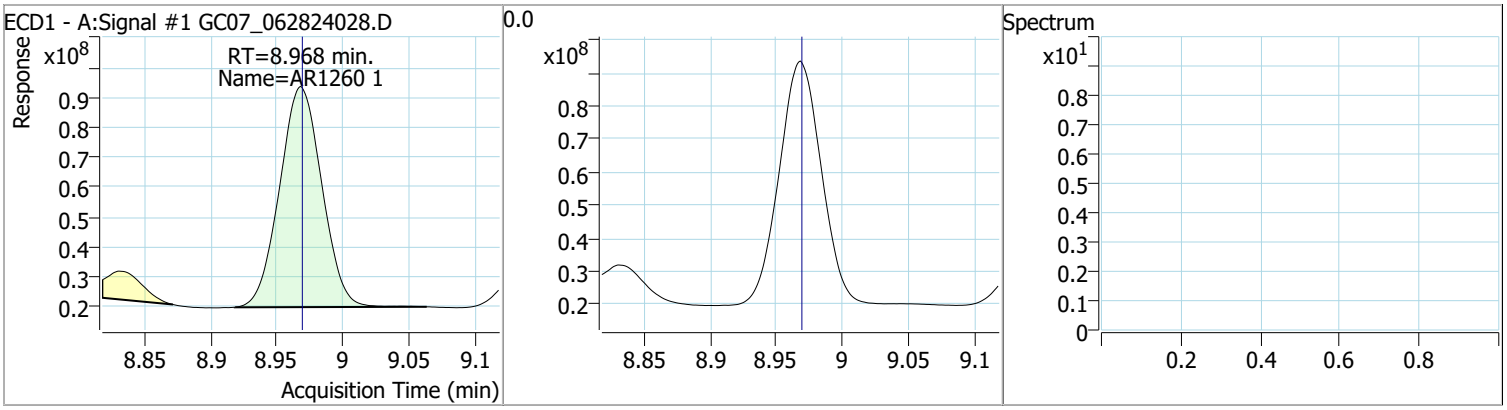
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1623.2318	7.17	0.00	31722771				



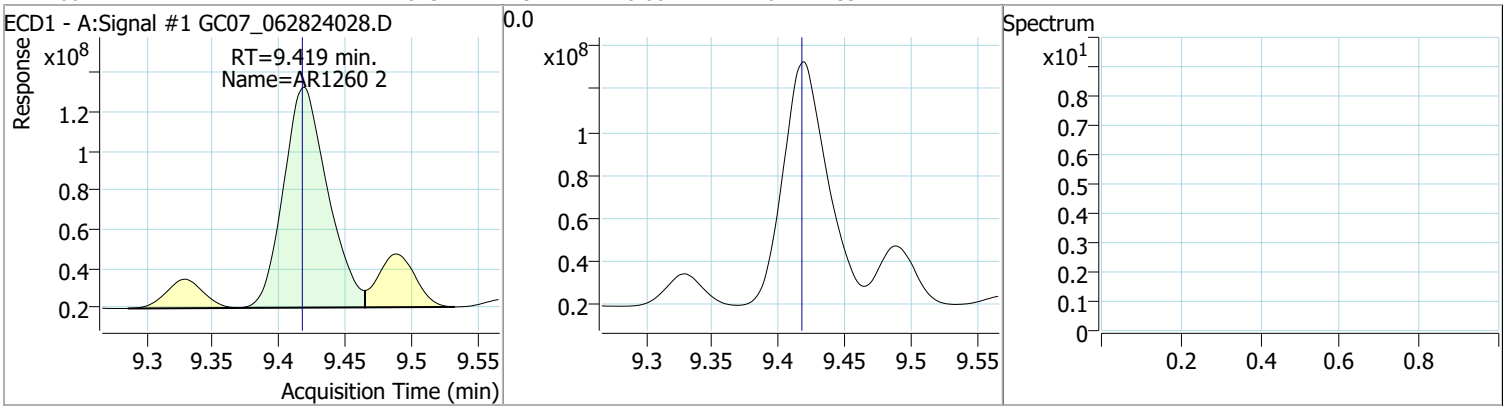
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1669.5818	7.91	0.00	26389484				



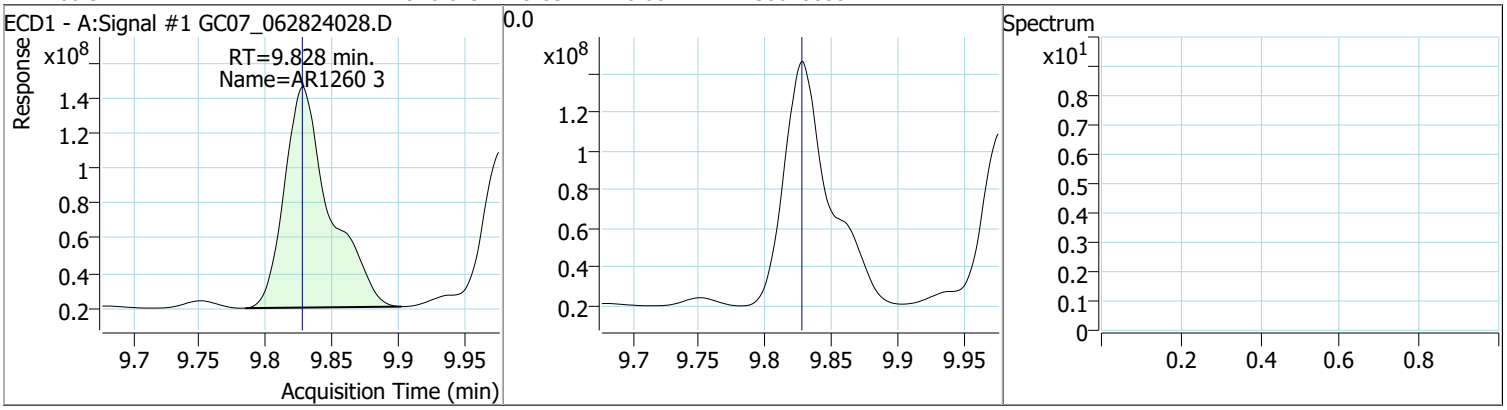
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1738.9678	8.97	0.00	163694034				



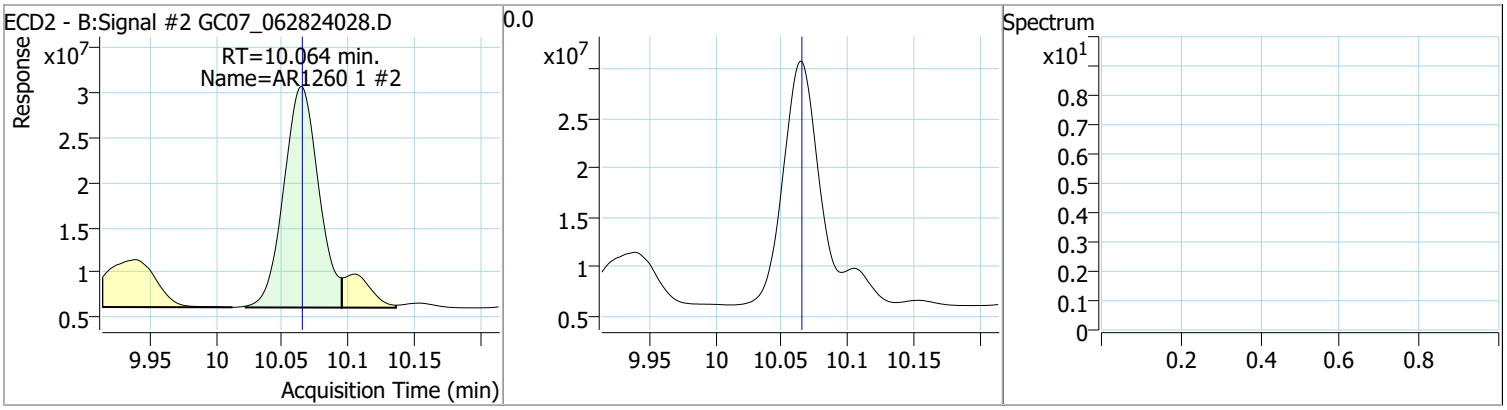
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1823.2227	9.42	0.00	262121139				



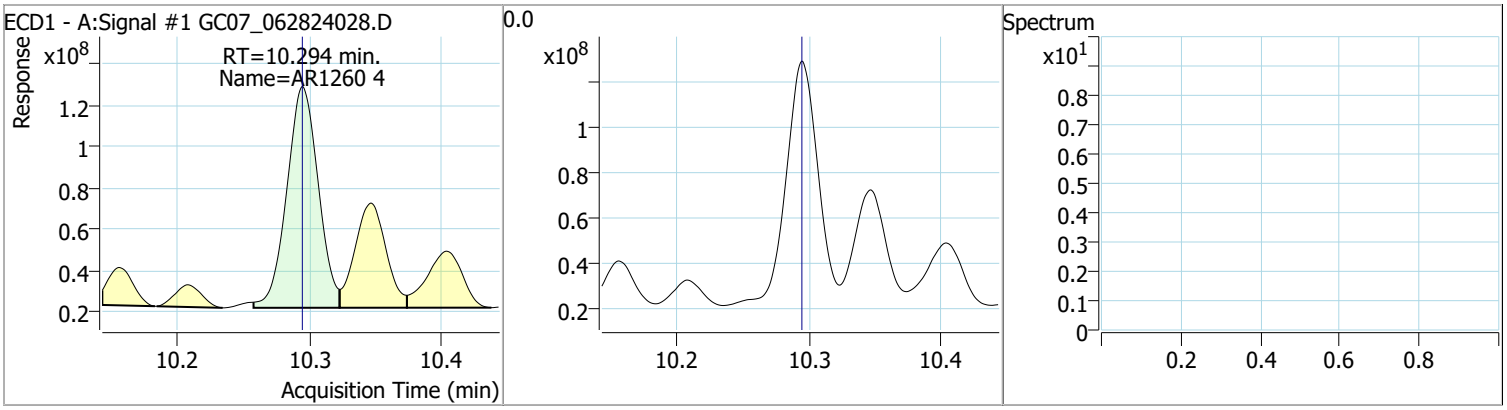
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1940.6192	9.83	0.00	300188552				



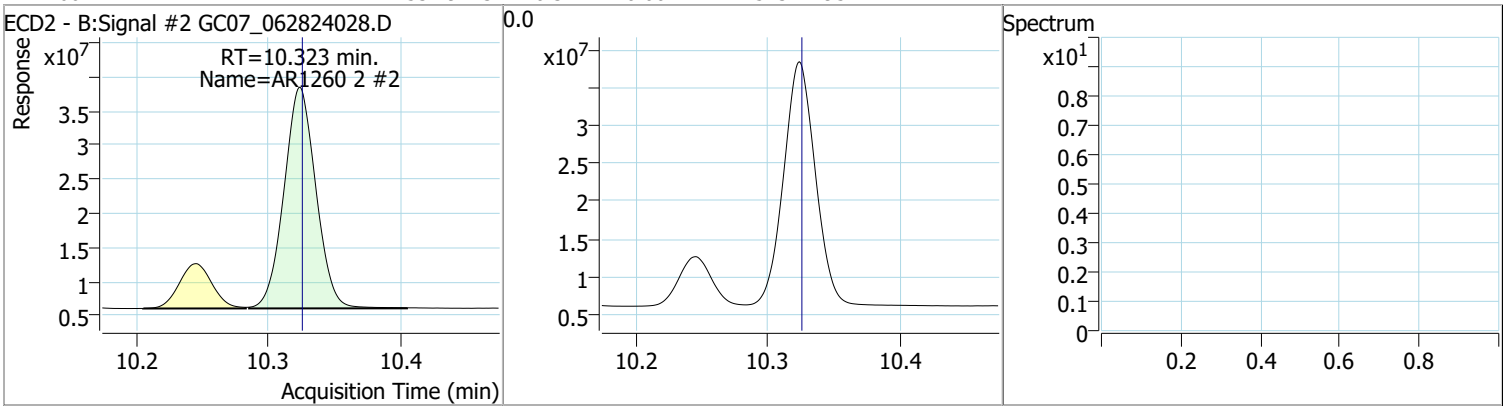
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1615.9576	10.06	0.00	45427088				



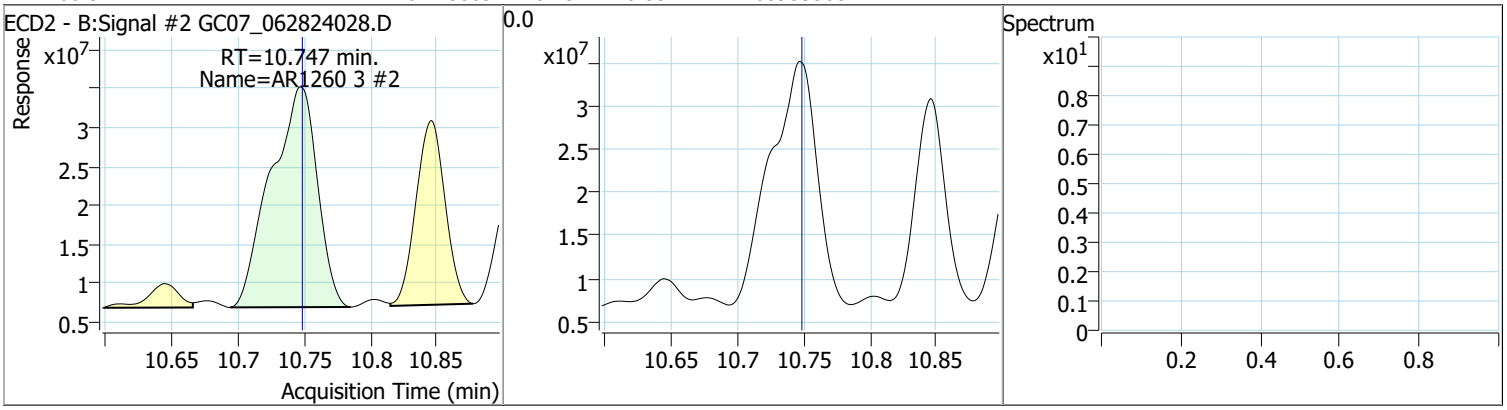
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AR1260 4	1979.4214	10.29	0.00	177019456				



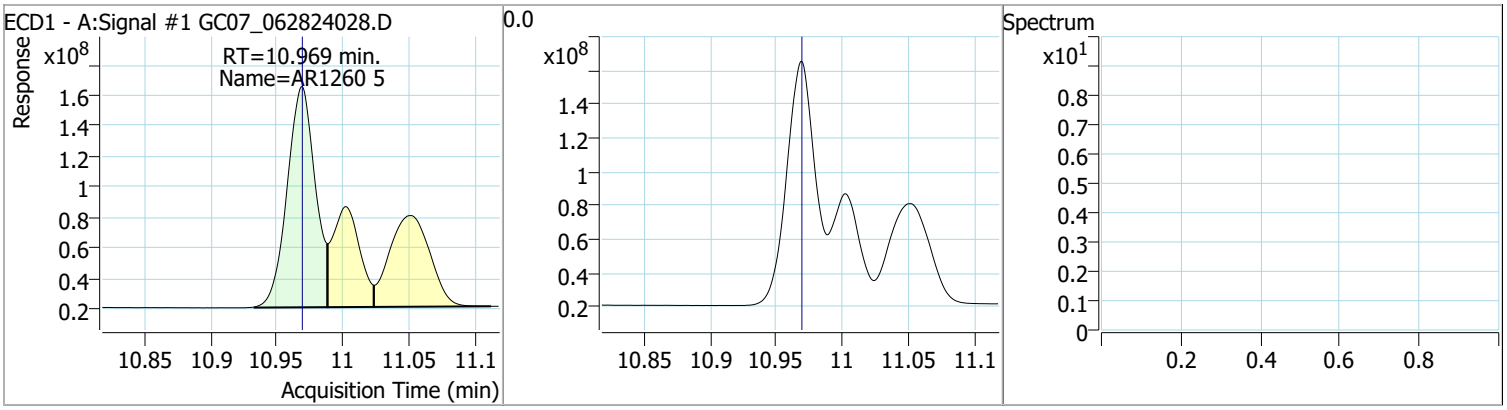
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1537.9743	10.32	0.00	54314495				



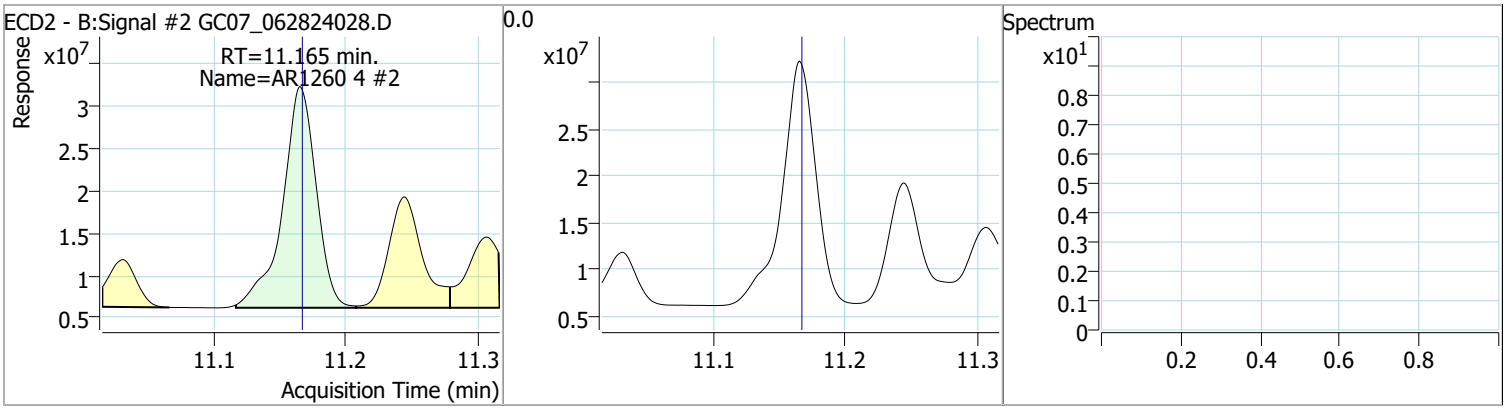
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1622.0809	10.75	0.00	68953560				



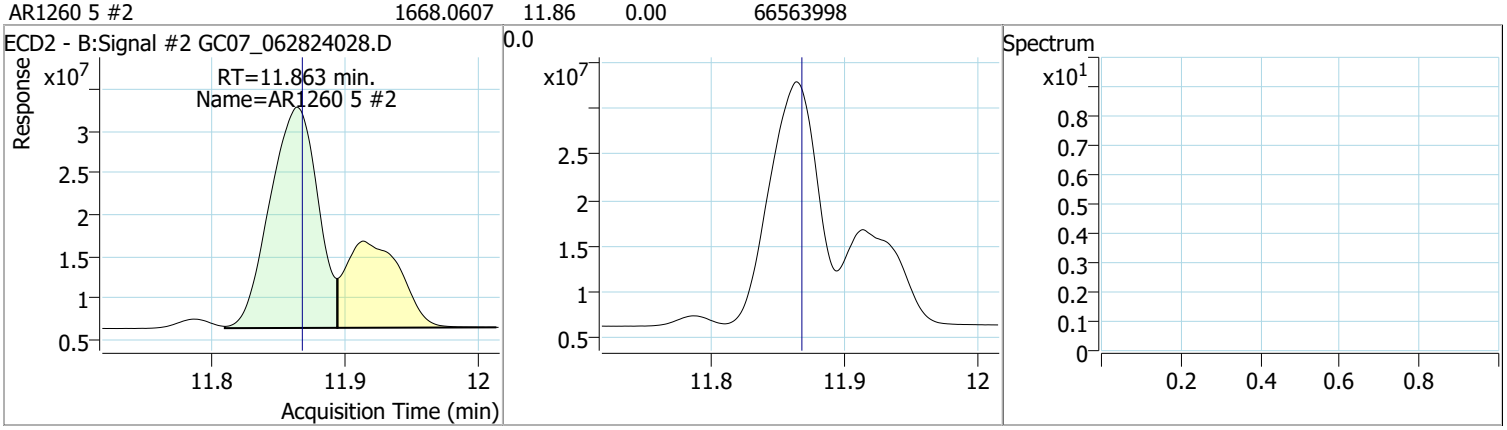
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1988.2437	10.97	0.00	212918830				



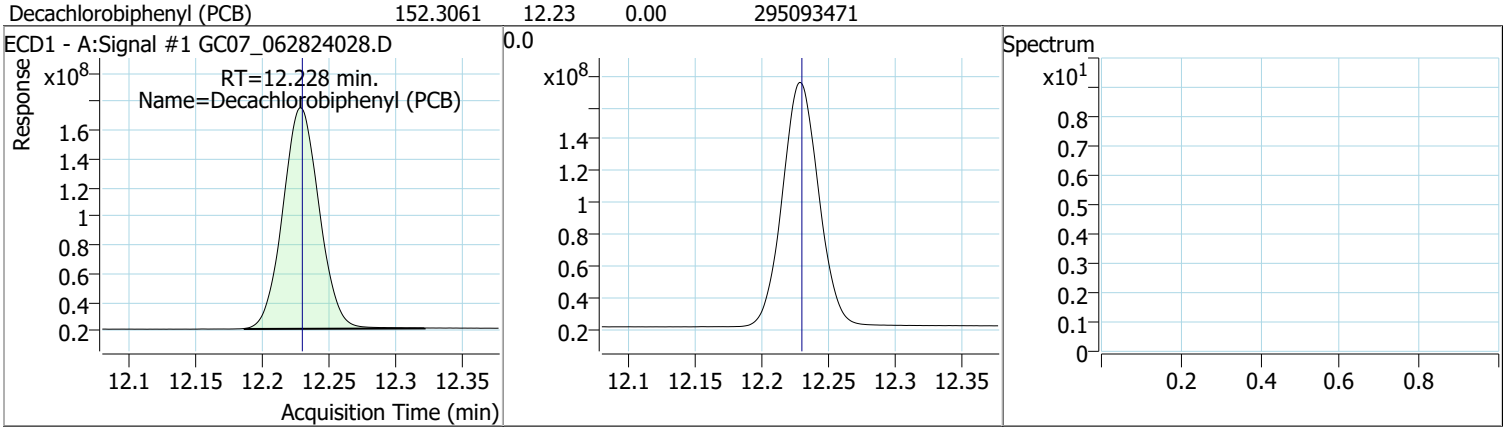
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1713.7276	11.17	0.00	46064501				



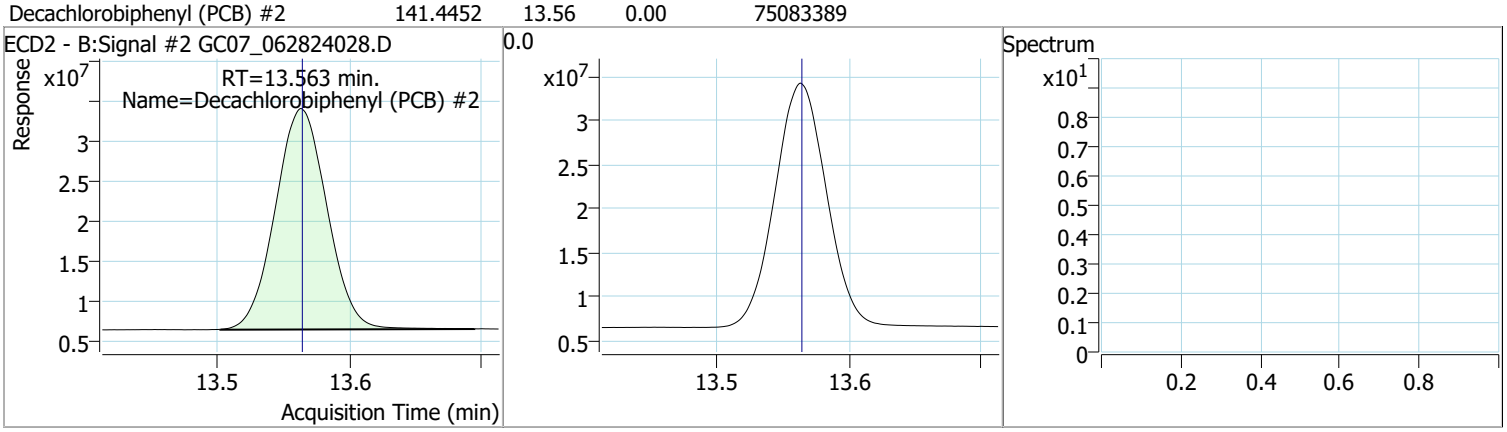
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1668.0607	11.86	0.00	66563998				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	152.3061	12.23	0.00	295093471				

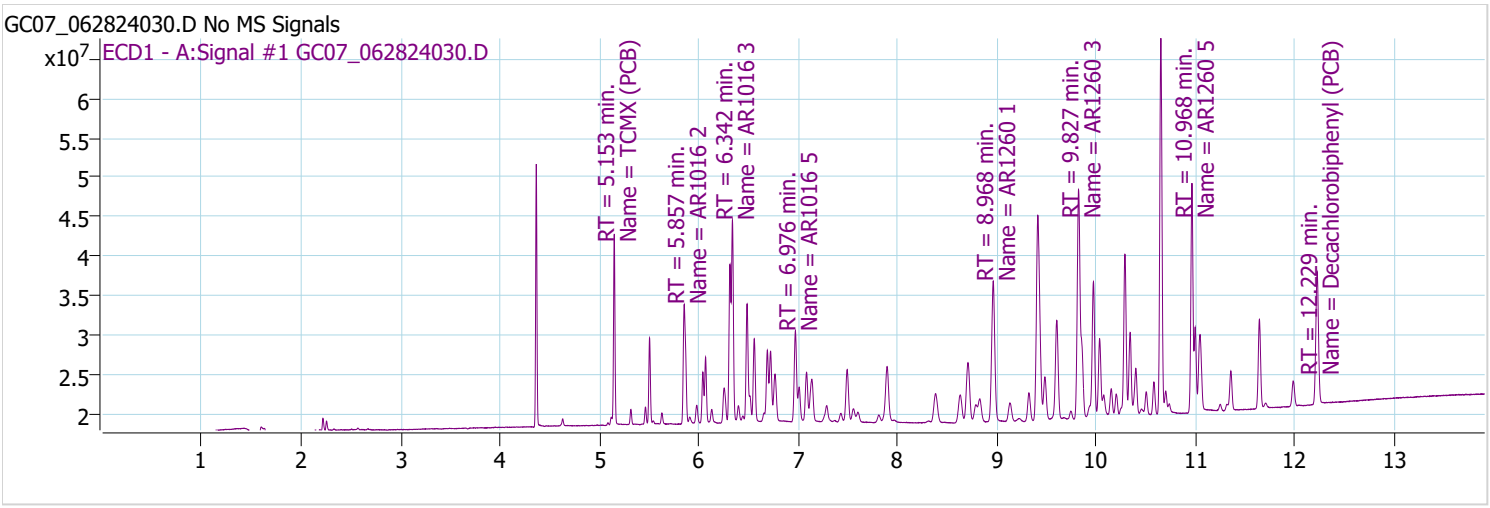


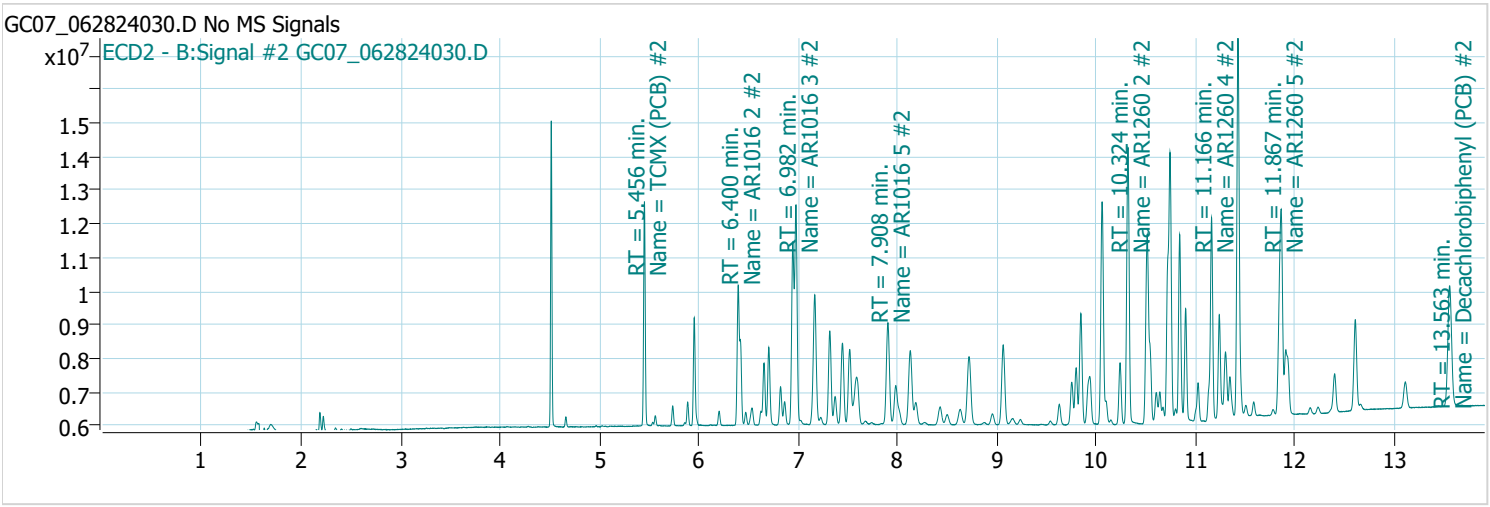
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	141.4452	13.56	0.00	75083389				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:57:48 PM
Sample Name	ICV, S20893	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



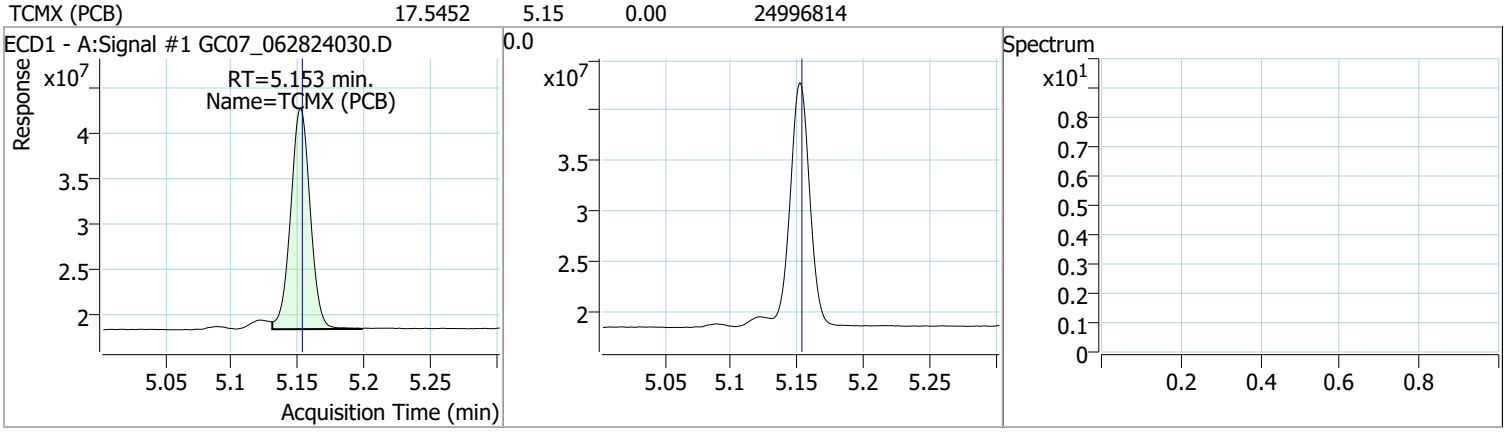


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	30413590.836	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8376601.445	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	24996814.038	17.5452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.73%		
S TCMX (PCB) #2	5.456	0.0	7611693.359	18.9448	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.72%		
S Decachlorobiphenyl (PCB)	12.229	0.0	32564996.755	19.4205	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S Decachlorobiphenyl (PCB) #2	13.563	0.0	9597731.276	20.9734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.87%		
Target Compounds						QValue

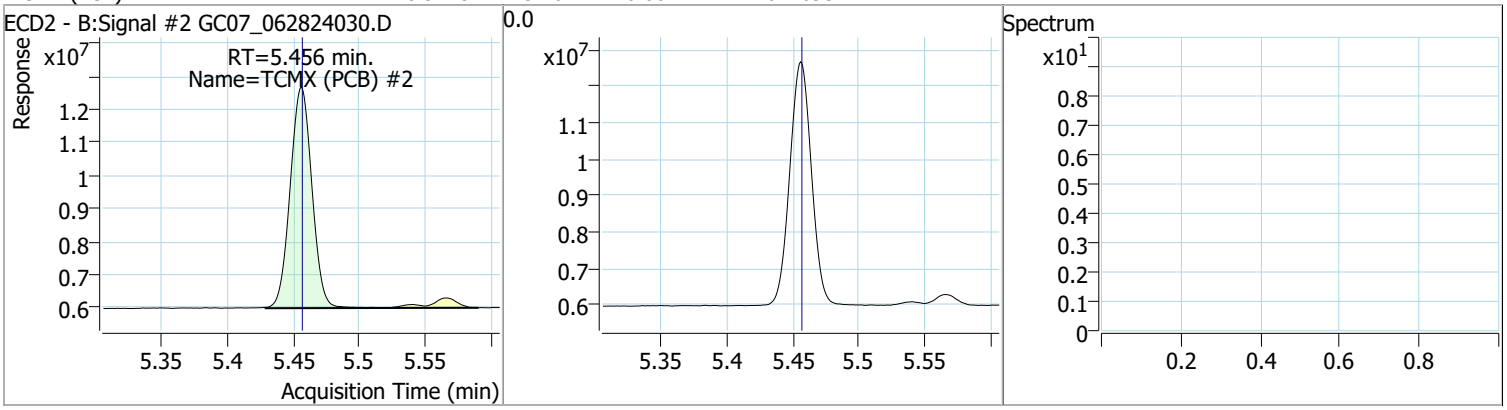
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	12386632.760	465.9366	ng/ml		100
T AR1016 2	5.857	0.0	26299436.209	476.2082	ng/ml		100
T AR1016 1 #2	5.958	0.0	4174180.598	471.9539	ng/ml		100
T AR1016 3	6.342	0.0	34546415.235	527.2991	ng/ml		100
T AR1016 2 #2	6.400	0.0	9001561.380	492.6084	ng/ml		100
T AR1016 4	6.490	0.0	22137100.040	479.0359	ng/ml	m	100
T AR1016 5	6.976	0.0	19309556.131	475.3658	ng/ml		100
T AR1016 3 #2	6.982	0.0	11170392.572	490.1349	ng/ml		100
T AR1016 4 #2	7.171	0.0	8088316.342	480.0909	ng/ml		100
T AR1016 5 #2	7.908	0.0	6582770.698	483.1049	ng/ml		100
T AR1260 1	8.968	0.0	39268423.192	482.0085	ng/ml		100
T AR1260 2	9.417	0.0	62386512.904	501.3961	ng/ml		100
T AR1260 3	9.827	0.0	71409385.341	533.4012	ng/ml		100
T AR1260 1 #2	10.064	0.0	13287658.707	548.3015	ng/ml		100
T AR1260 4	10.293	0.0	34310803.890	443.3030	ng/ml		100
T AR1260 2 #2	10.324	0.0	14596035.265	479.4288	ng/ml		100
T AR1260 3 #2	10.748	0.0	18681897.932	509.7917	ng/ml		100
T AR1260 5	10.968	0.0	43060287.597	464.6062	ng/ml		100
T AR1260 4 #2	11.166	0.0	10737657.512	463.3839	ng/ml		100
T AR1260 5 #2	11.867	0.0	14959700.763	434.8618	ng/ml		100

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

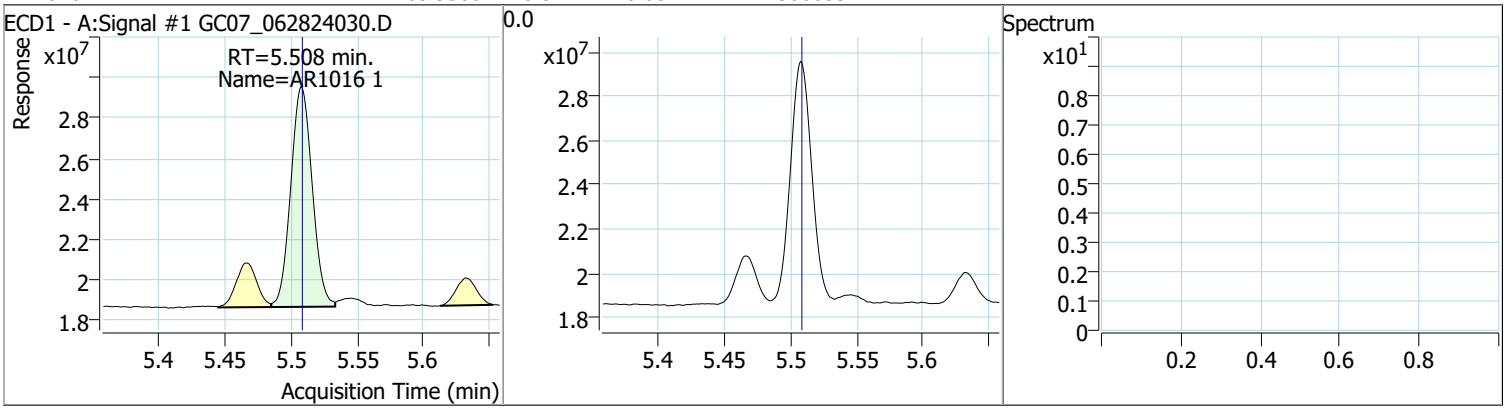
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.5452	5.15	0.00	24996814				



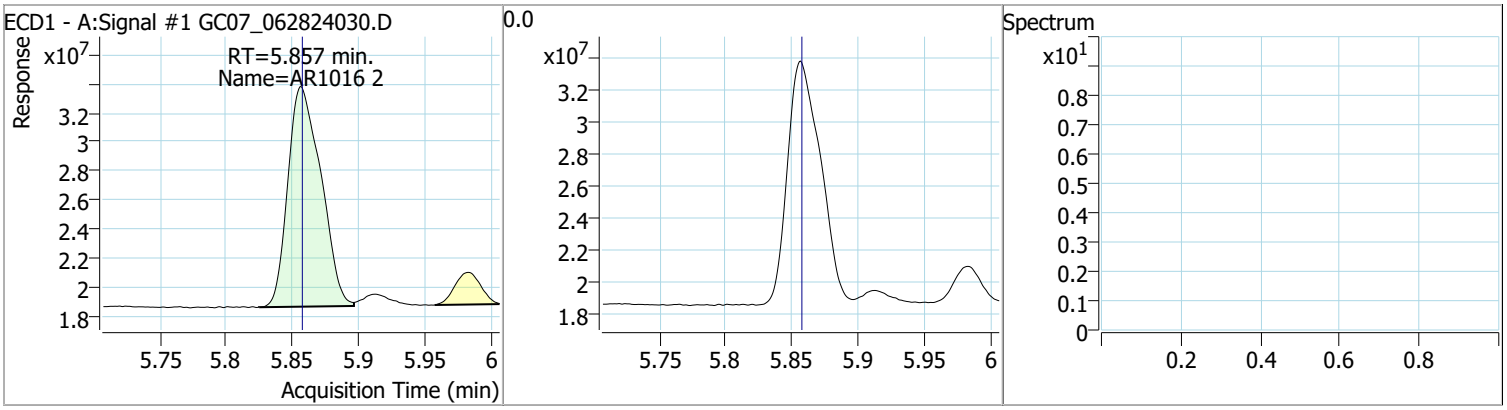
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.9448	5.46	0.00	7611693				



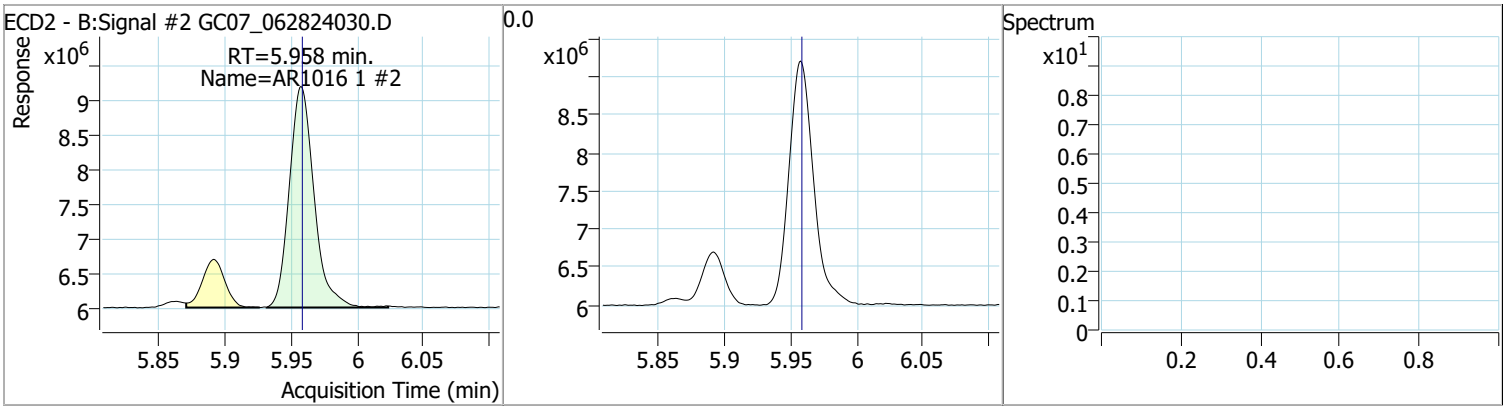
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.9366	5.51	0.00	12386633				



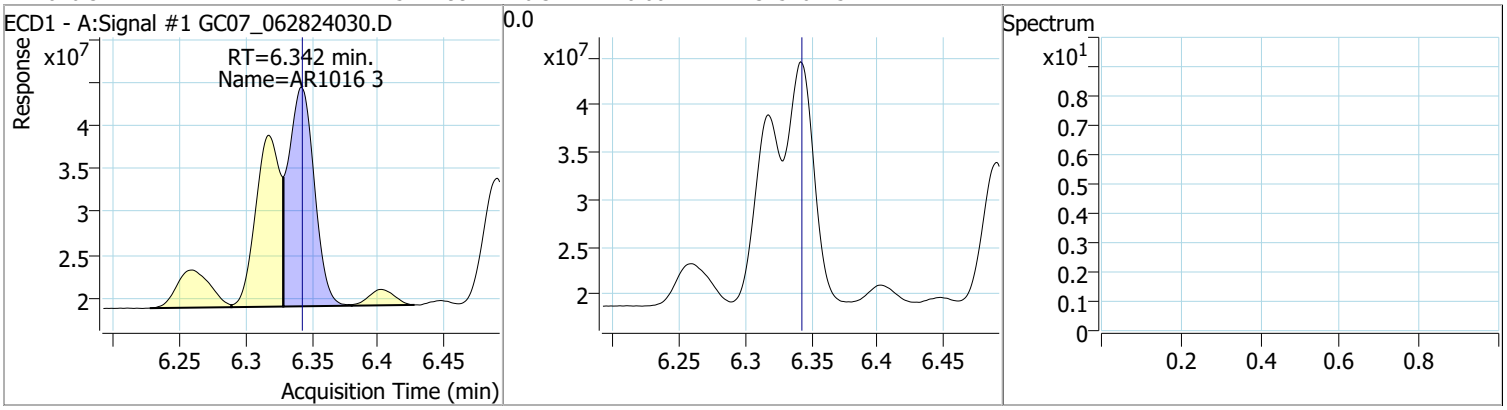
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2082	5.86	0.00	26299436				



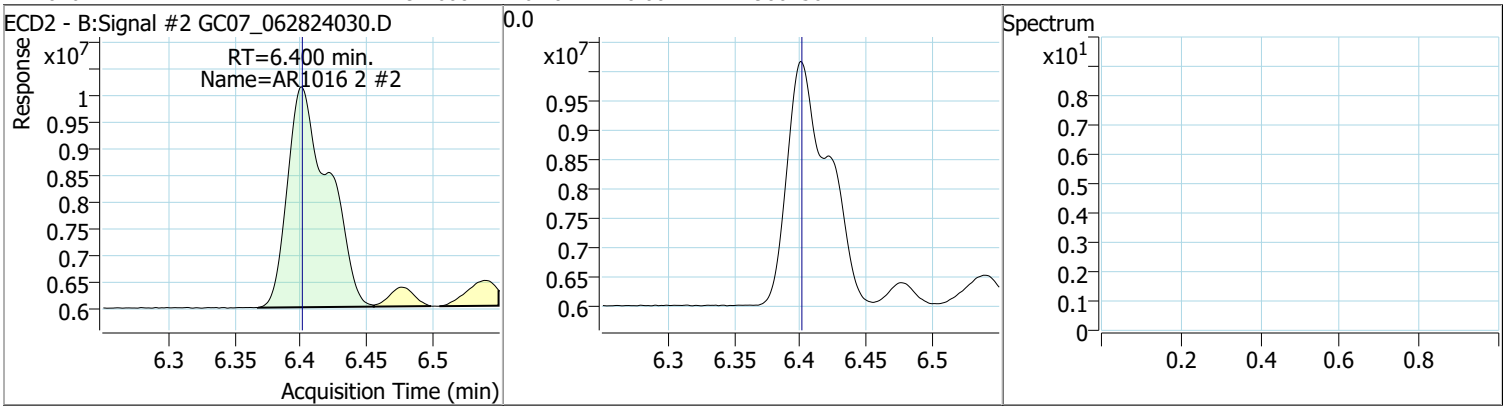
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.9539	5.96	0.00	4174181				



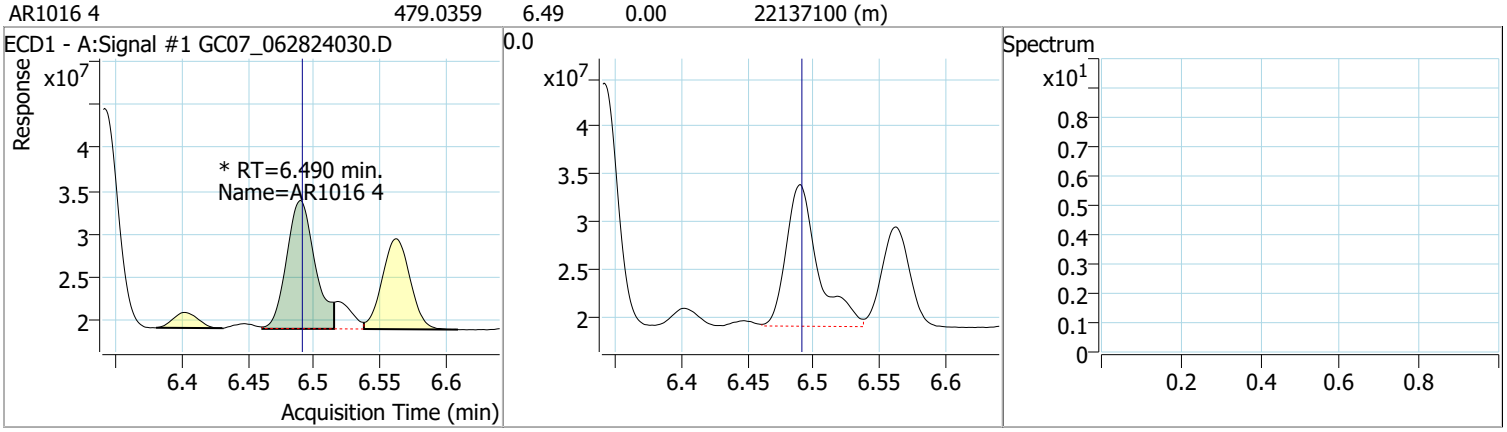
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	527.2991	6.34	0.00	34546415				



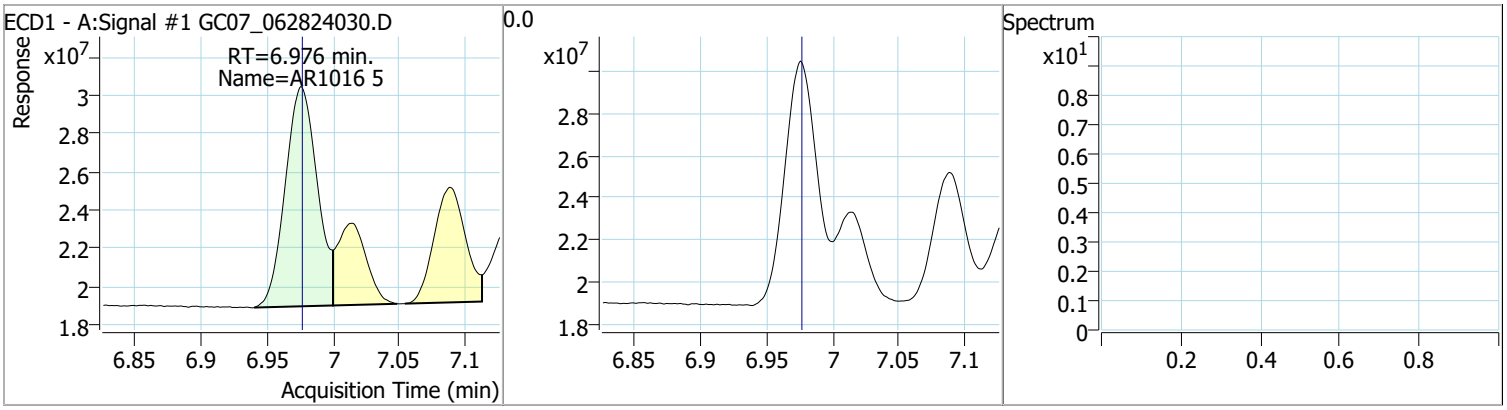
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.6084	6.40	0.00	9001561				



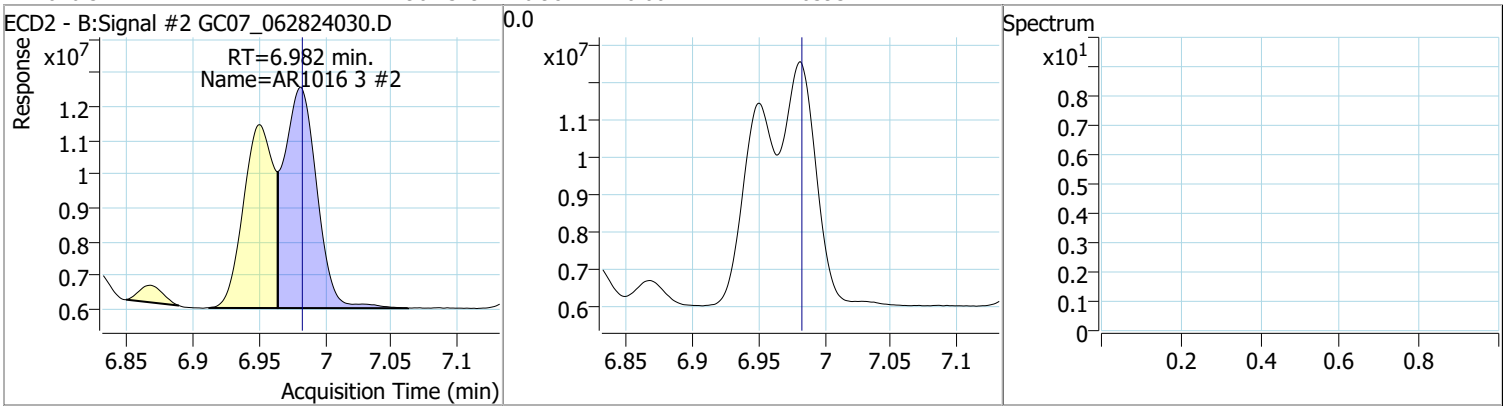
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.0359	6.49	0.00	22137100 (m)				



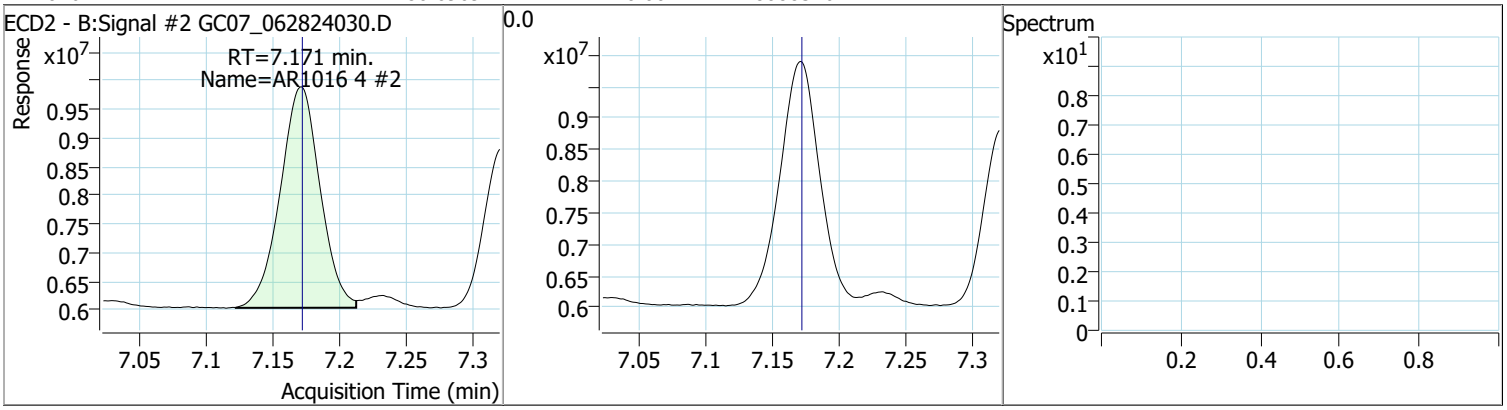
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	475.3658	6.98	0.00	19309556				



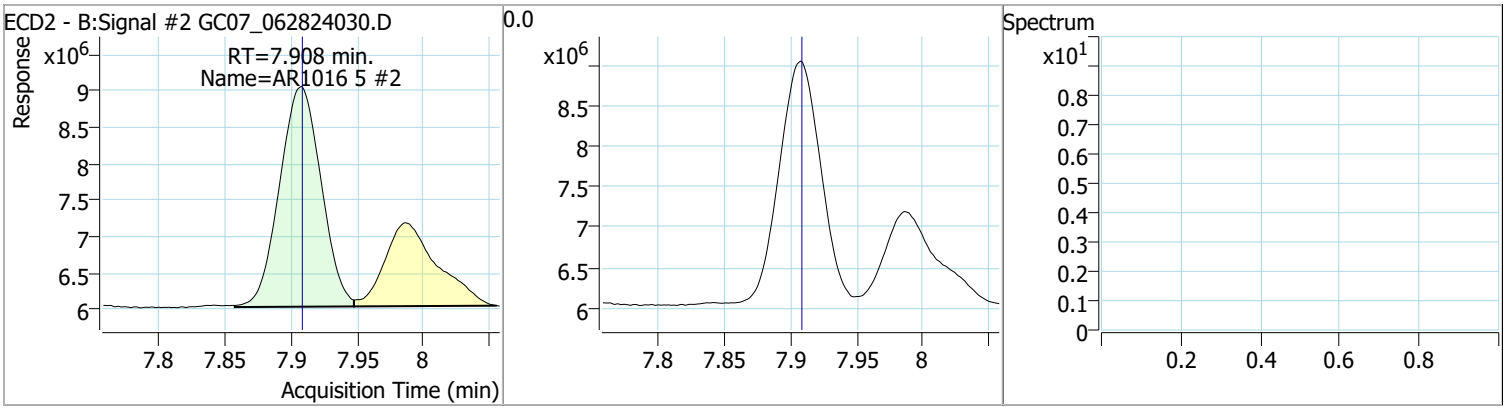
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AR1016 3 #2	490.1349	6.98	0.00	11170393				



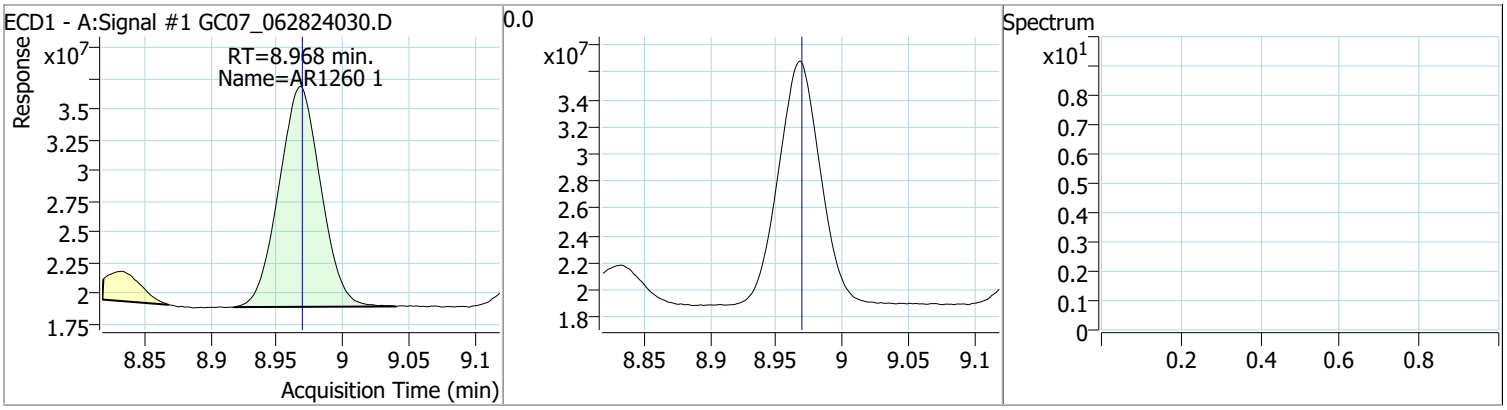
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AR1016 4 #2	480.0909	7.17	0.00	8088316				



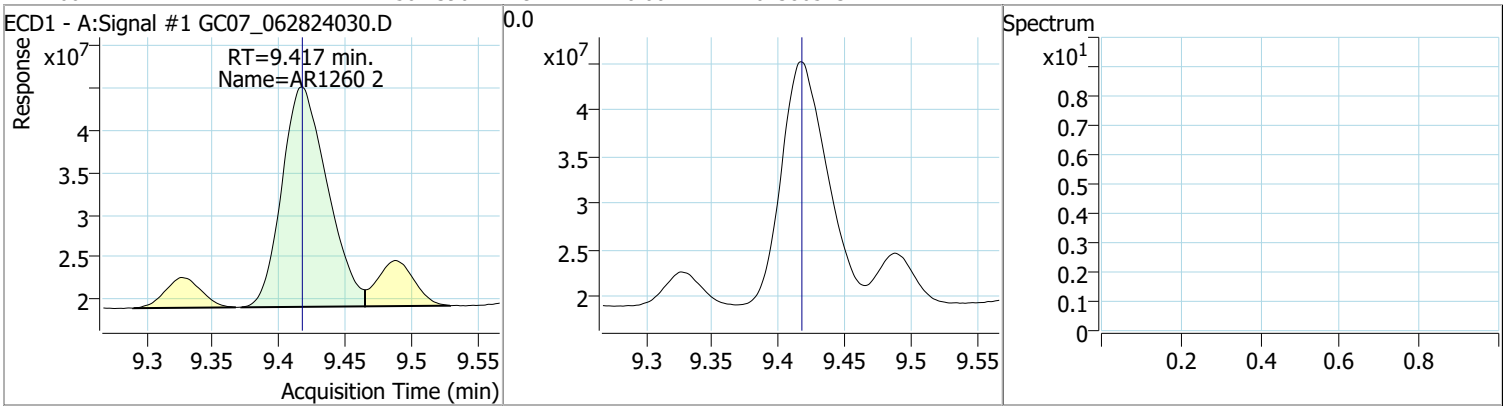
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.1049	7.91	0.00	6582771				



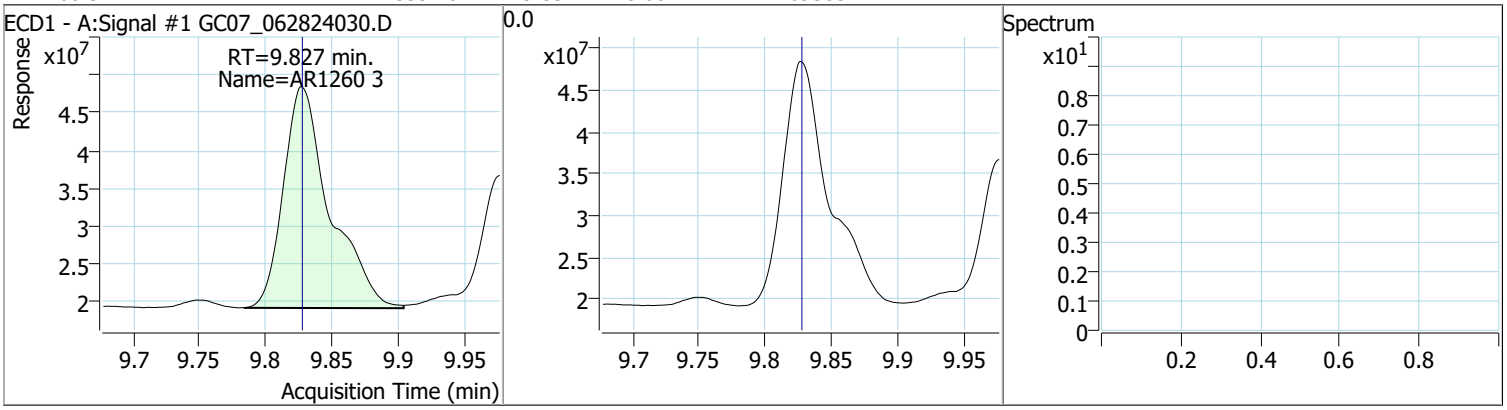
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.0085	8.97	0.00	39268423				



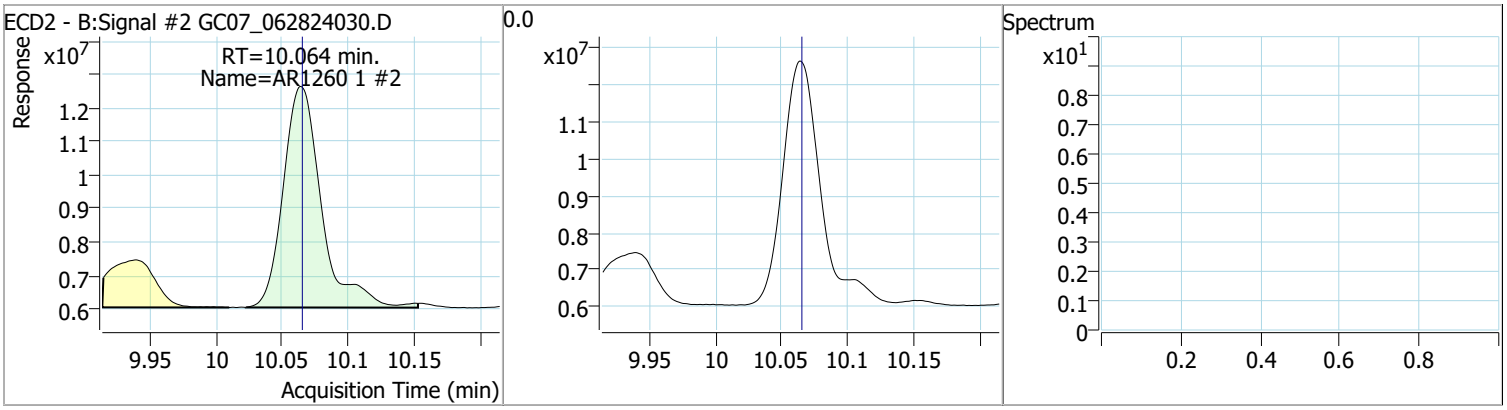
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	501.3961	9.42	0.00	62386513				



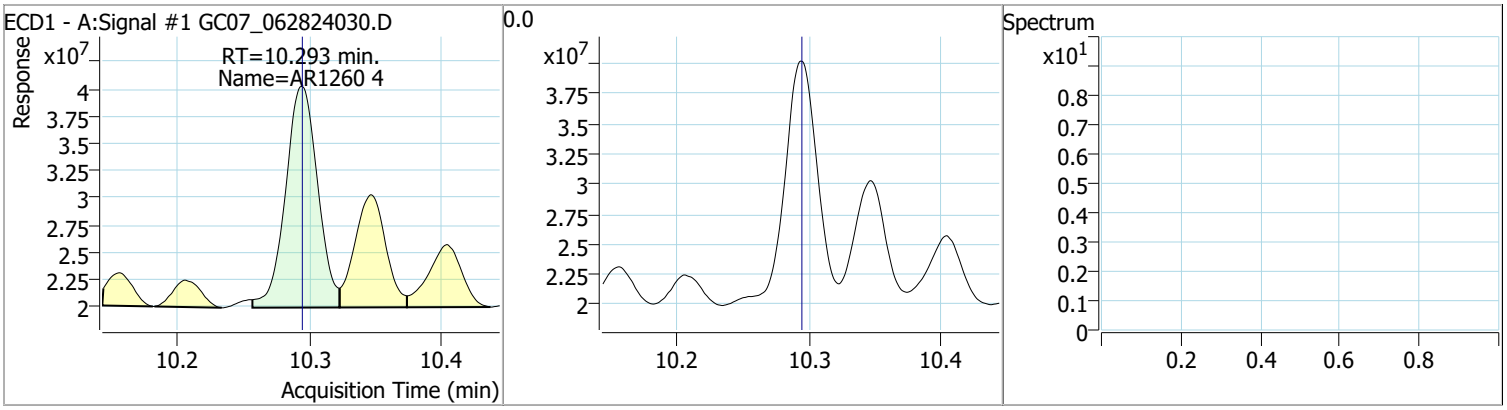
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	533.4012	9.83	0.00	71409385				



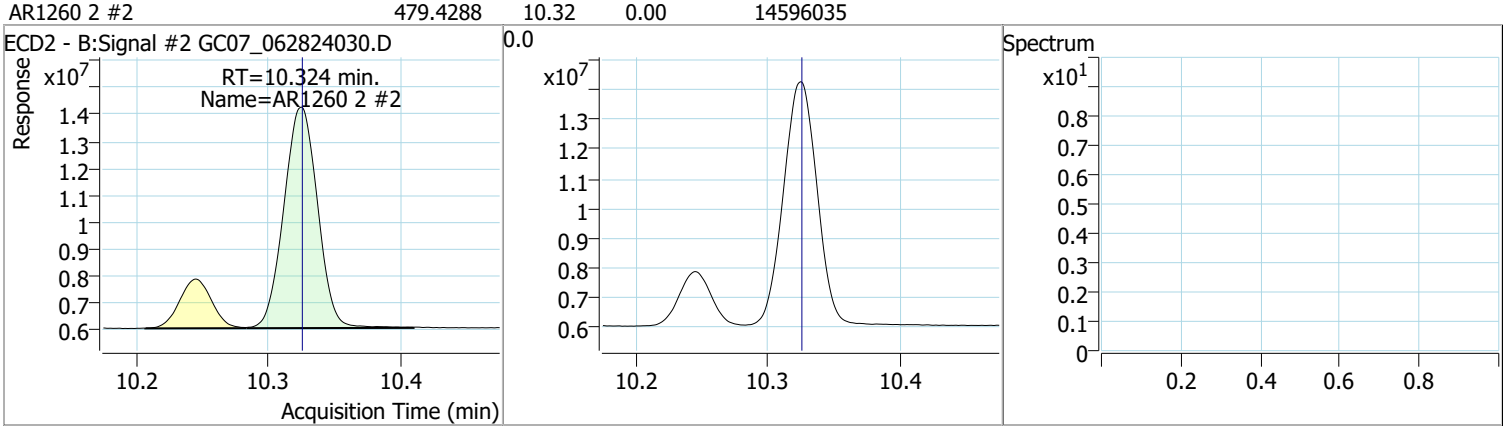
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AR1260 1 #2	548.3015	10.06	0.00	13287659				



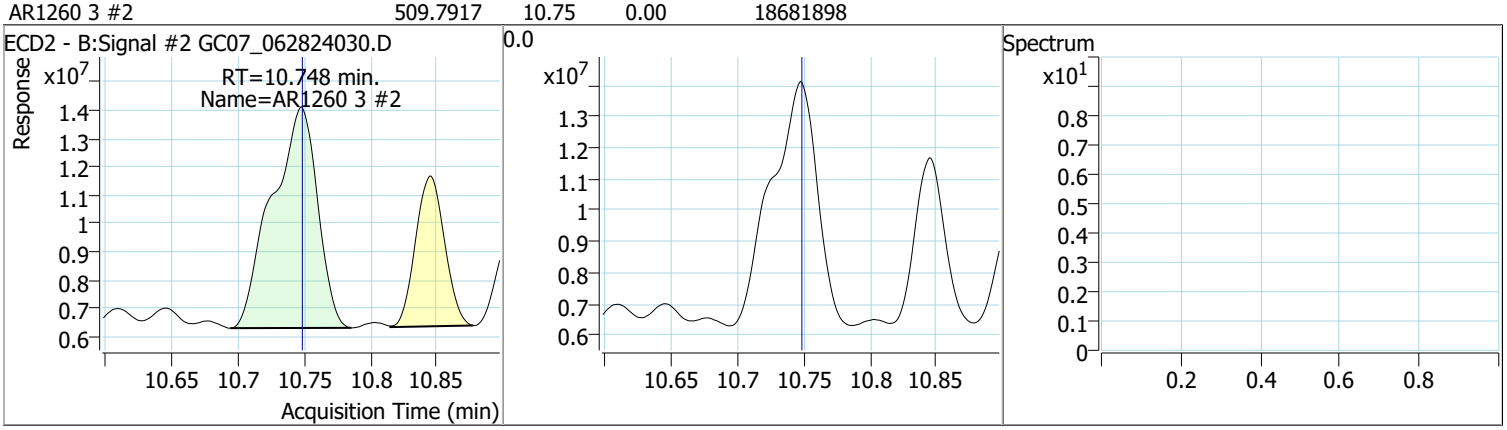
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	443.3030	10.29	0.00	34310804				



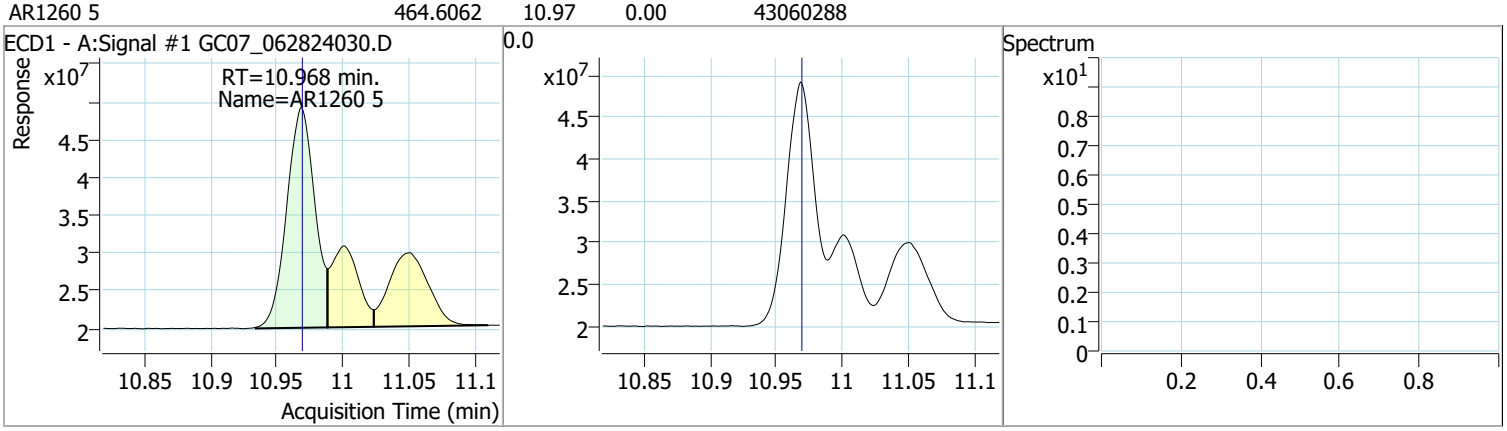
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	479.4288	10.32	0.00	14596035				



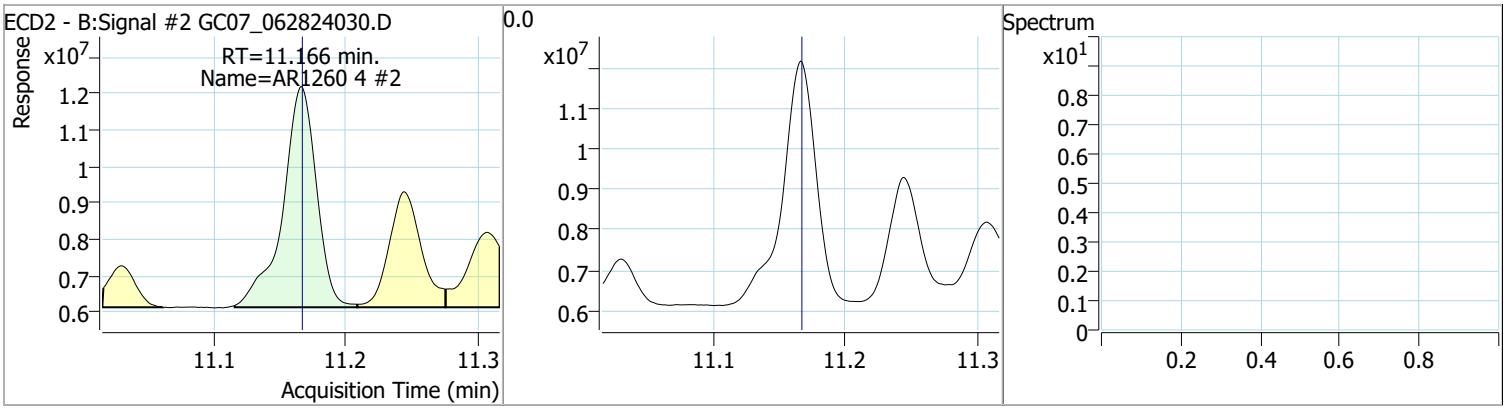
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	509.7917	10.75	0.00	18681898				



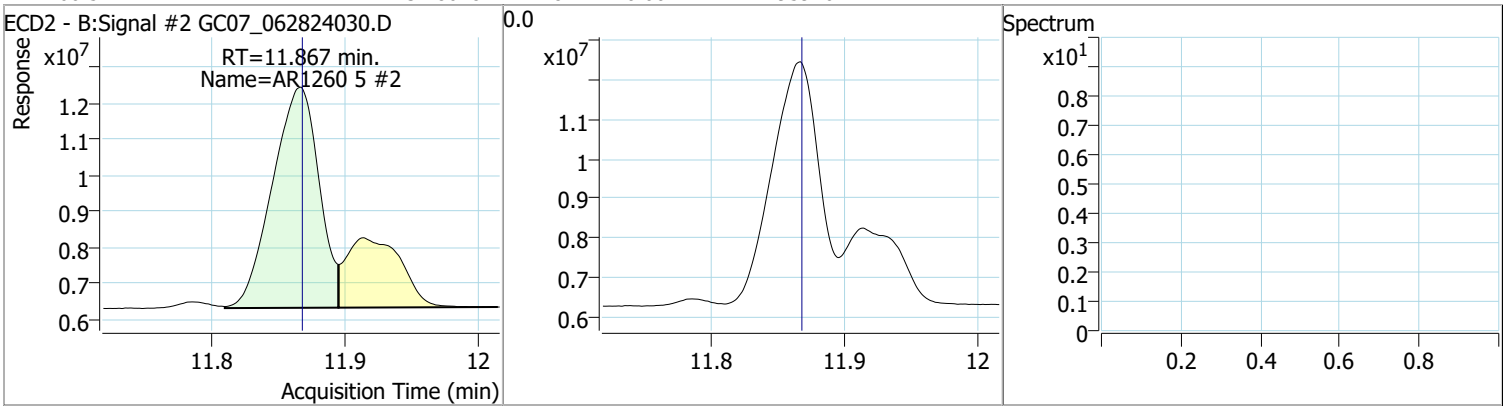
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	464.6062	10.97	0.00	43060288				



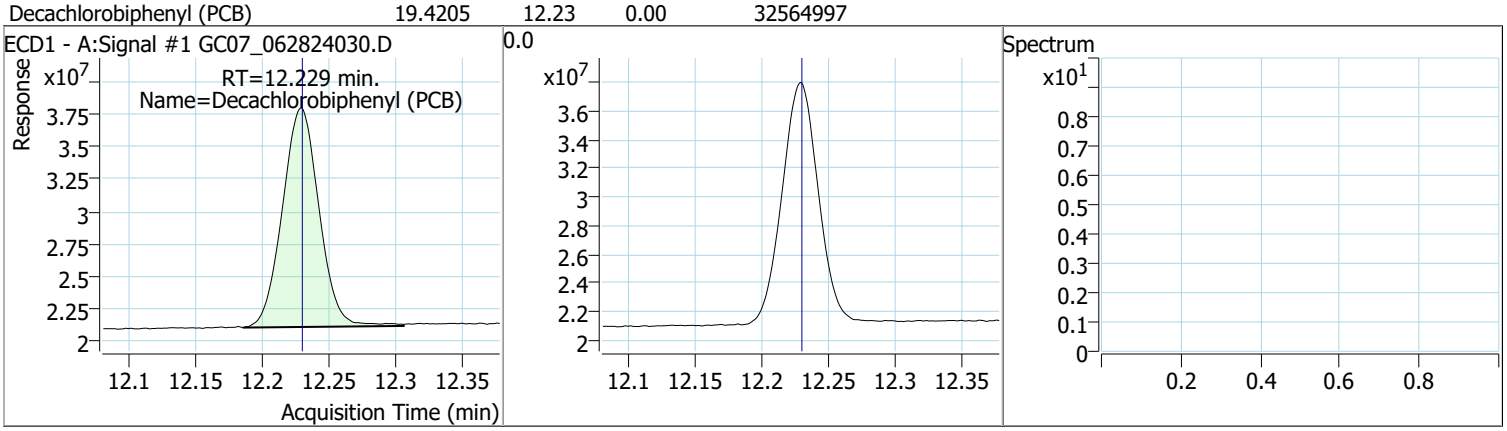
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3839	11.17	0.00	10737658				



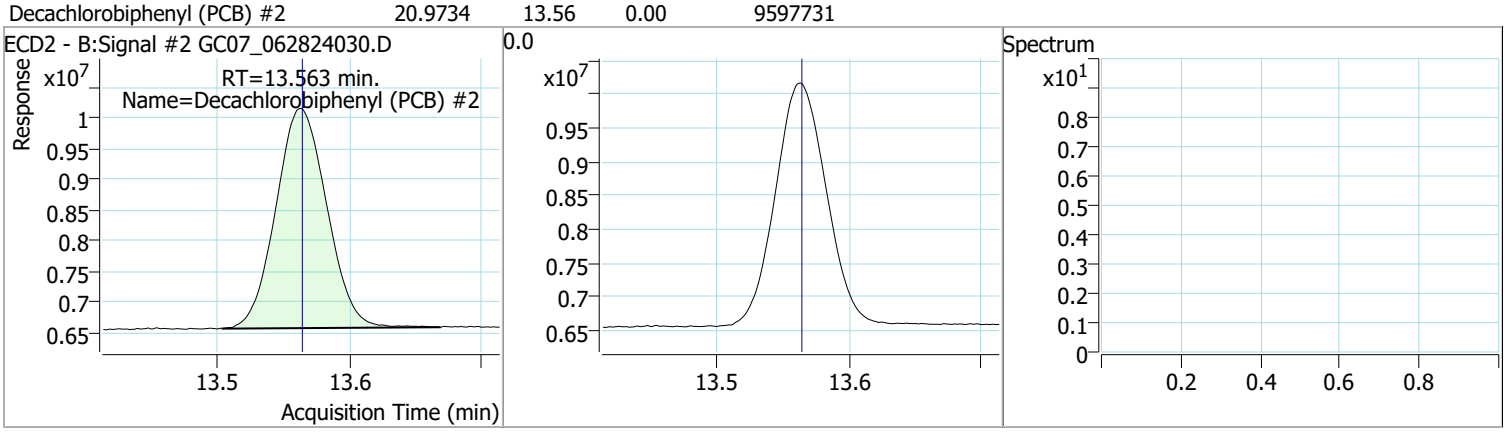
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	434.8618	11.87	0.00	14959701				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4205	12.23	0.00	32564997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9734	13.56	0.00	9597731				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 511602 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464275615029	File:	gc07_070924029	Time:	09-JUL-2024 17:56
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	494.8	ug/L	-1	15	0.0000	
Aroclor-1260	A			500.0	490.2	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	0.9895	40.00	35.89	pg/uL	-10	15	0.0000	
TCMX (PCB)	A	0.9369	0.8600	40.00	36.72	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	494.1	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	461.1	ug/L	-8	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	0.9722	40.00	35.59	pg/uL	-11	15	0.0000	
TCMX (PCB)	B	0.9593	0.9091	40.00	37.91	pg/uL	-5	15	0.0000	

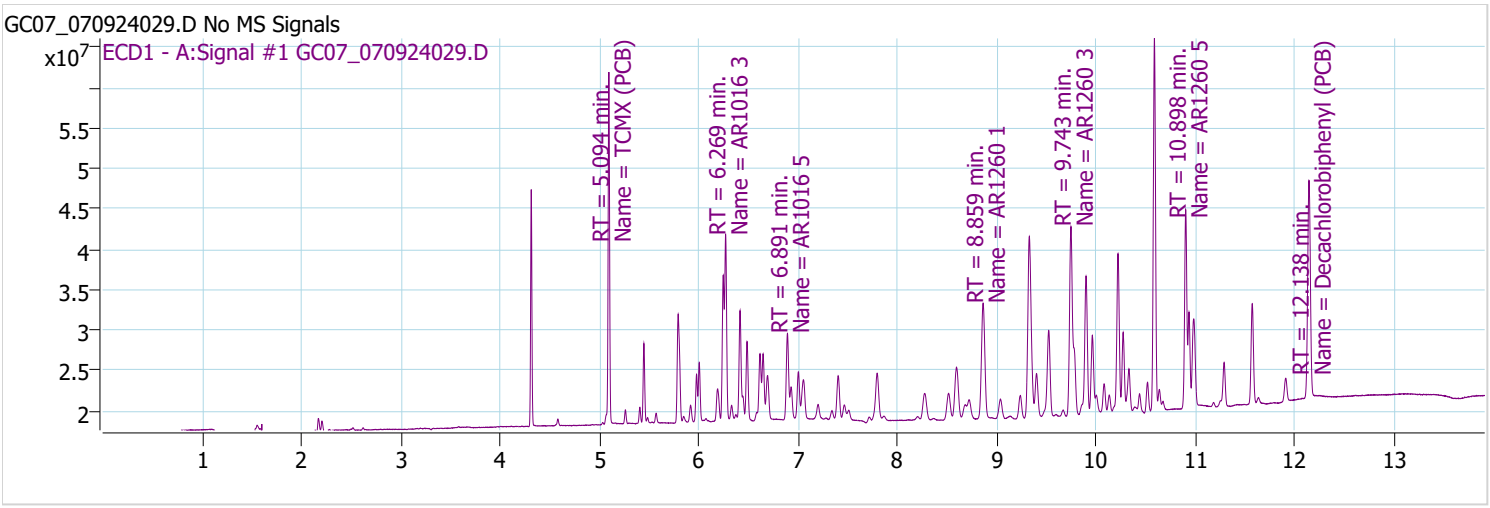
ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	7213121	-10.29
1-bromo-2-nitrobenzene (PCB)	A	28707643	26536532	-7.56

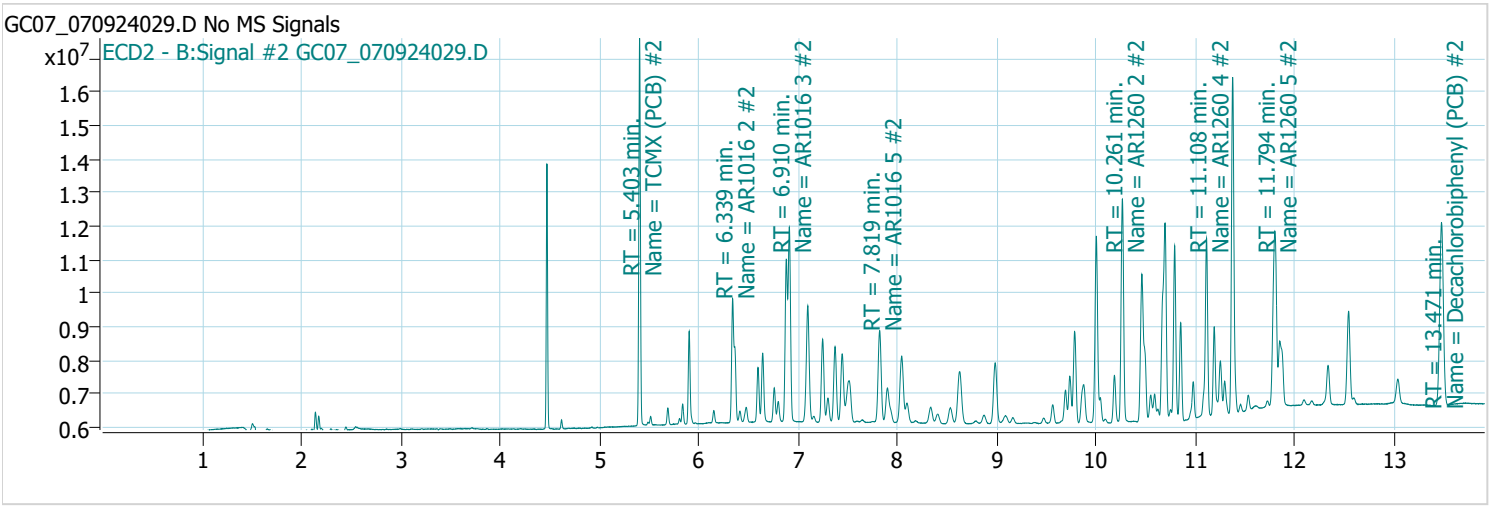
07/09/24 : 500 PPB PCB CCV

Analyst: MES 07/10/24 **Reviewer:** MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 5:56:11 PM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



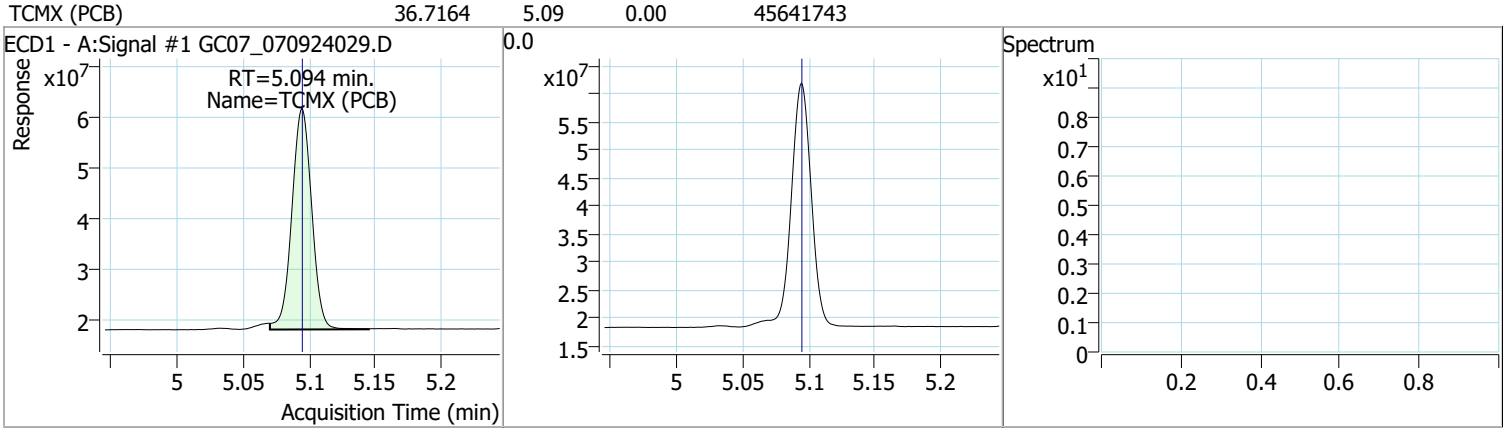


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	26536532.185	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7213121.473	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.094	0.0	45641743.459	36.7164	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.58%		*	
S TCMX (PCB) #2	5.403	0.0	13115185.589	37.9076	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.54%		*	
S Decachlorobiphenyl (PCB)	12.138	0.0	52514963.498	35.8936	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.47%		*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	14025569.562	35.5931	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.97%		*	
Target Compounds							QValue

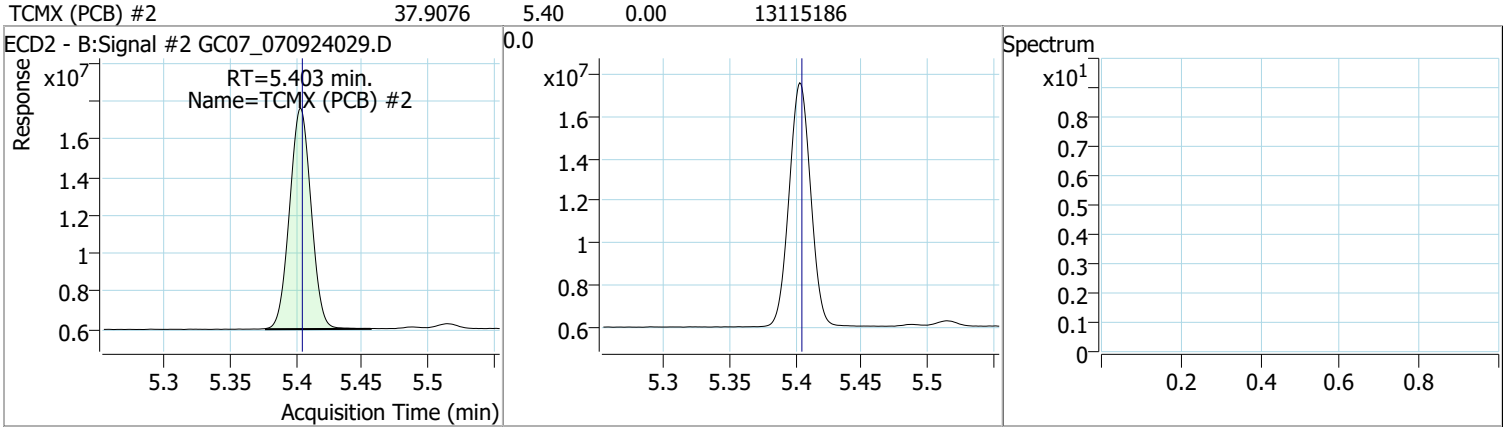
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	10959935.774	472.5036	ng/ml	100
T AR1016 2	5.792	0.0	23058636.279	478.5283	ng/ml	100
T AR1016 1 #2	5.903	0.0	3640926.725	478.0627	ng/ml	100
T AR1016 3	6.269	0.0	31079492.554	543.8907	ng/ml	100
T AR1016 2 #2	6.339	0.0	7895154.994	501.7521	ng/ml	100
T AR1016 4	6.414	0.0	19527041.441	484.2921	ng/ml	100
T AR1016 5	6.891	0.0	17532442.624	494.6769	ng/ml	100
T AR1016 3 #2	6.910	0.0	9708920.766	494.7238	ng/ml	100
T AR1016 4 #2	7.096	0.0	7094818.810	489.0478	ng/ml	100
T AR1016 5 #2	7.819	0.0	5947507.764	506.8884	ng/ml	100
T AR1260 1	8.859	0.0	34498409.550	485.3263	ng/ml	100
T AR1260 2	9.324	0.0	53297366.247	490.9299	ng/ml	100
T AR1260 3	9.743	0.0	58892458.992	504.1757	ng/ml	100
T AR1260 1 #2	9.999	0.0	10193017.279	488.4480	ng/ml	100
T AR1260 4	10.217	0.0	33617914.149	497.8105	ng/ml	100
T AR1260 2 #2	10.261	0.0	11938537.717	455.3916	ng/ml	100
T AR1260 3 #2	10.690	0.0	14465742.575	458.4132	ng/ml	100
T AR1260 5	10.898	0.0	38238294.211	472.8573	ng/ml	100
T AR1260 4 #2	11.108	0.0	9209174.244	461.5265	ng/ml	100
T AR1260 5 #2	11.794	0.0	13089685.495	441.8778	ng/ml	100

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

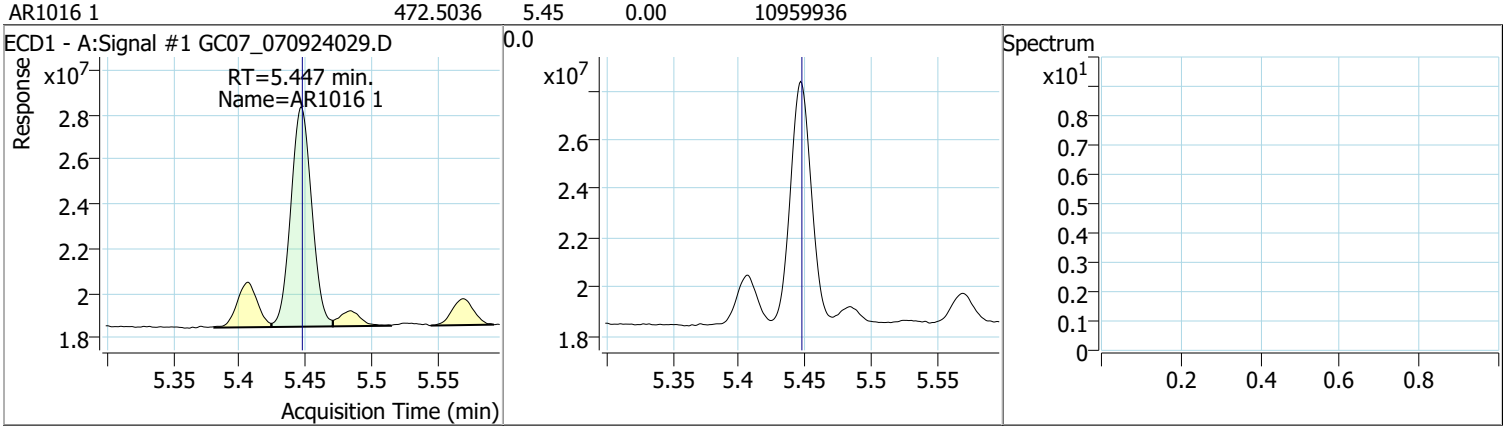
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.7164	5.09	0.00	45641743				



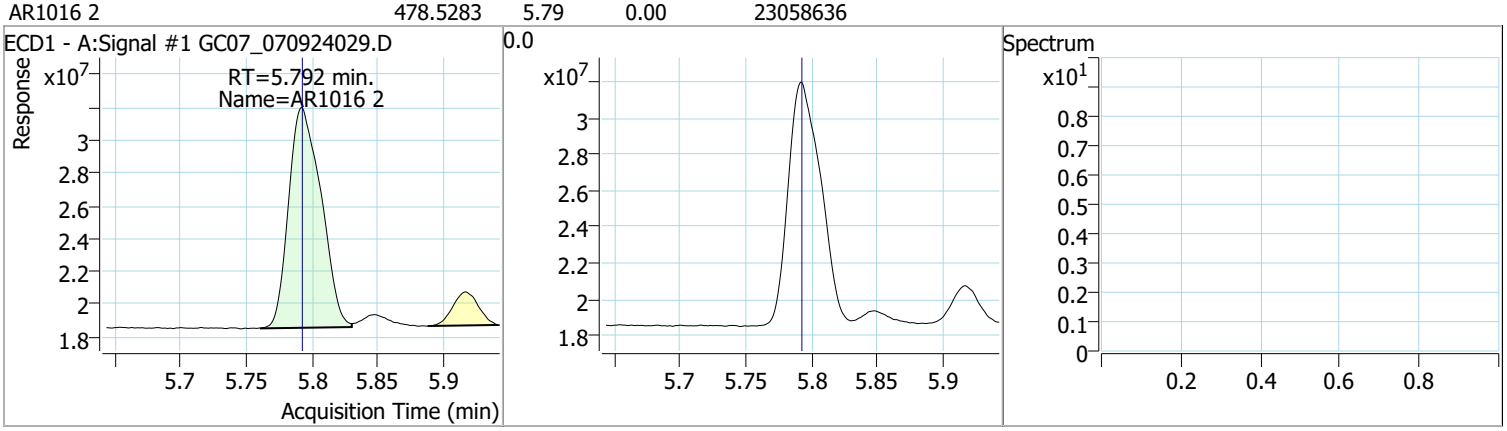
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9076	5.40	0.00	13115186				



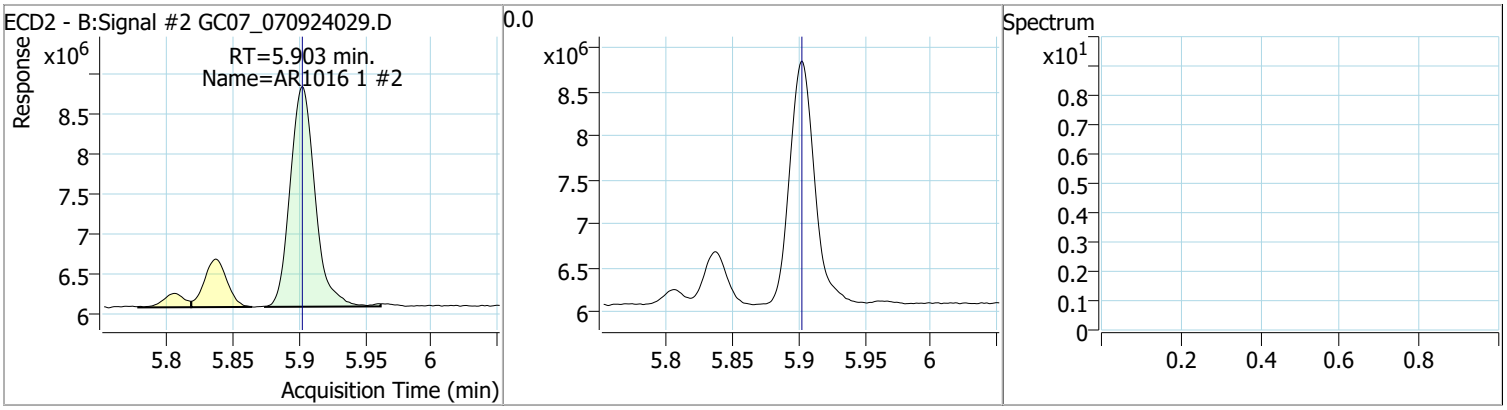
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	472.5036	5.45	0.00	10959936				



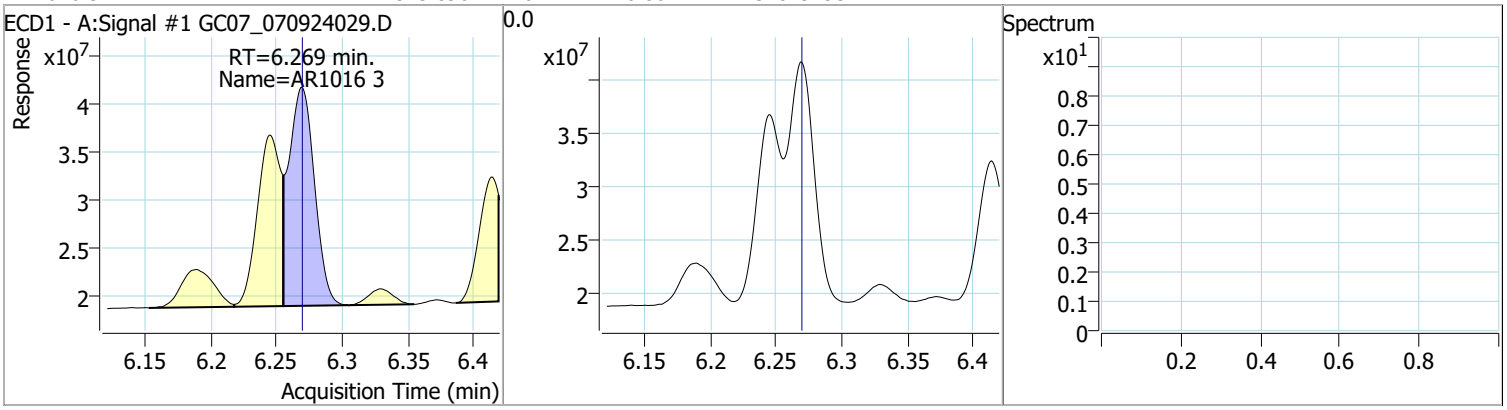
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	478.5283	5.79	0.00	23058636				



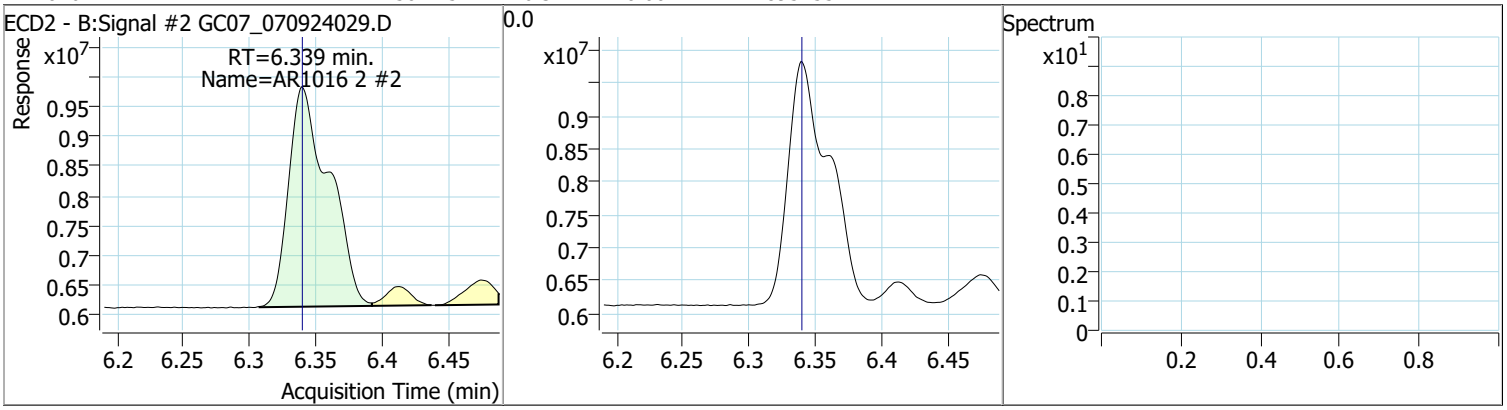
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	478.0627	5.90	0.00	3640927				



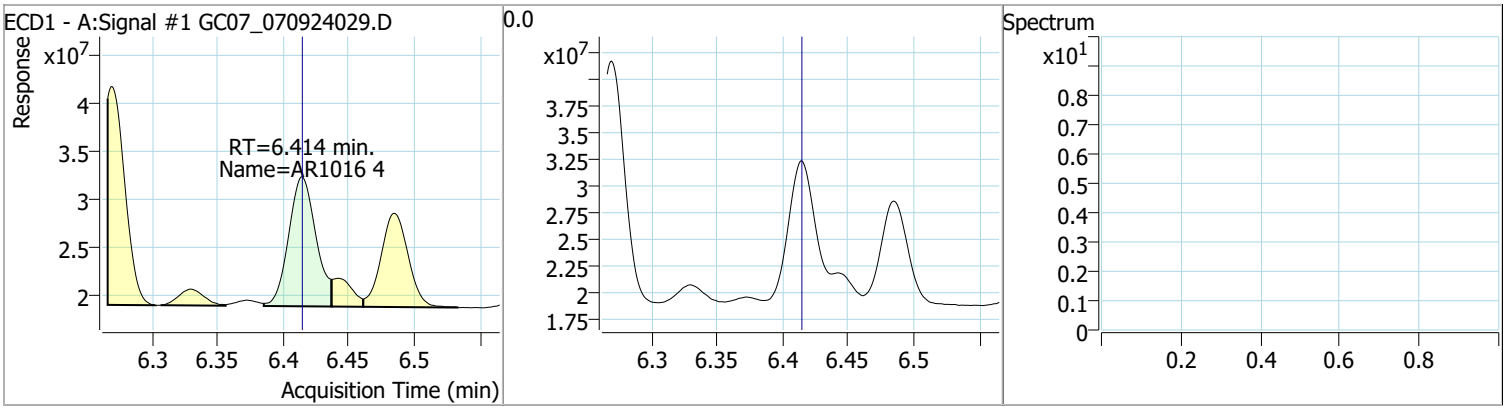
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	543.8907	6.27	0.00	31079493				



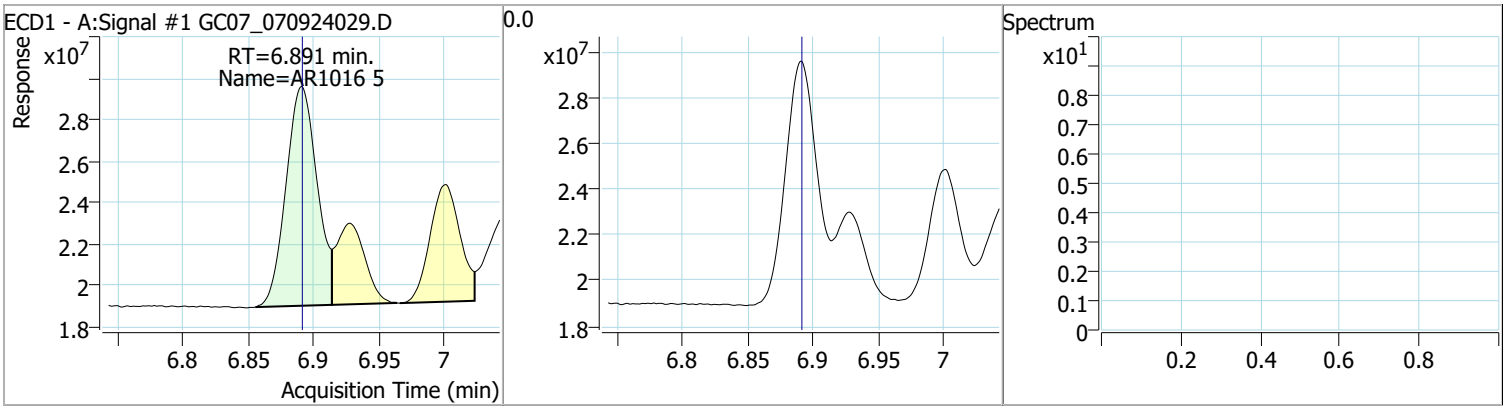
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	501.7521	6.34	0.00	7895155				



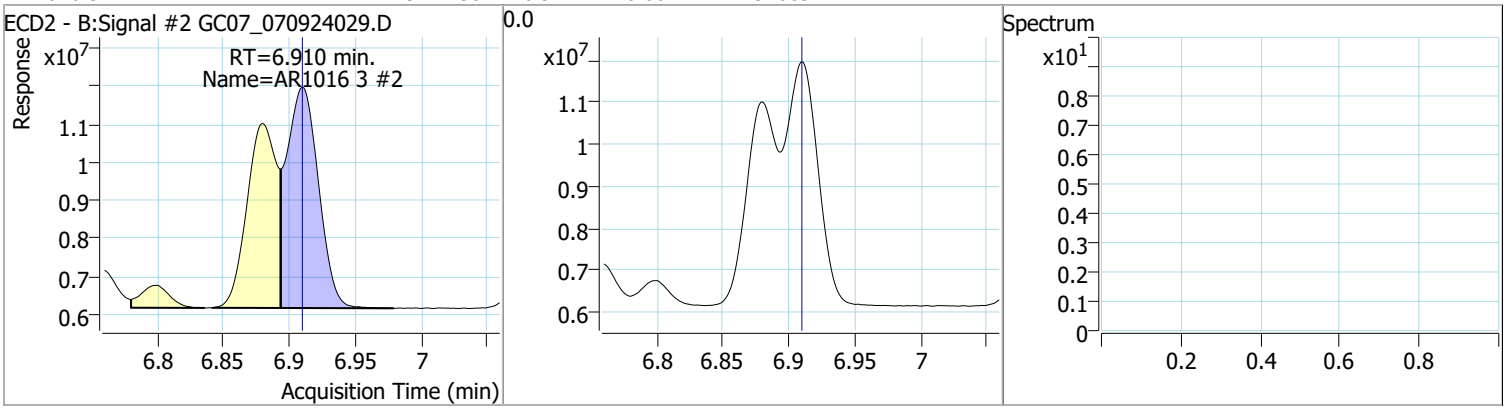
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	484.2921	6.41	0.00	19527041				



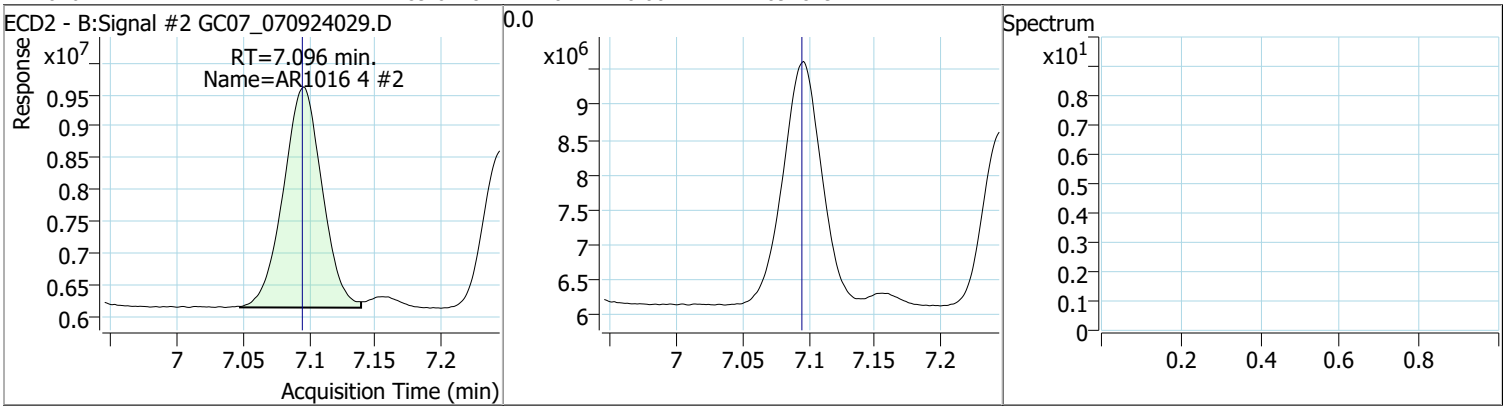
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	494.6769	6.89	-0.01	17532443				



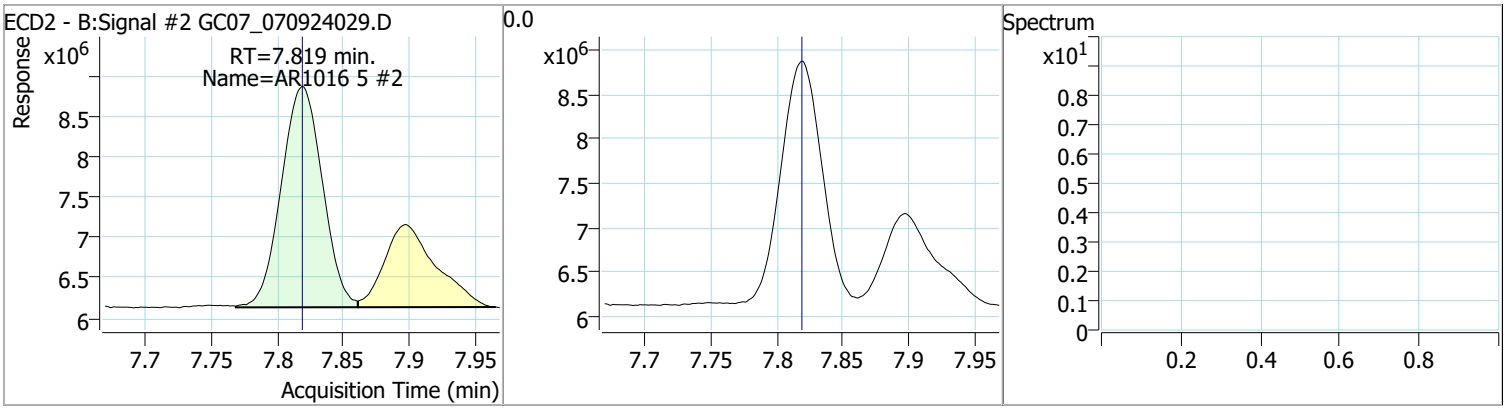
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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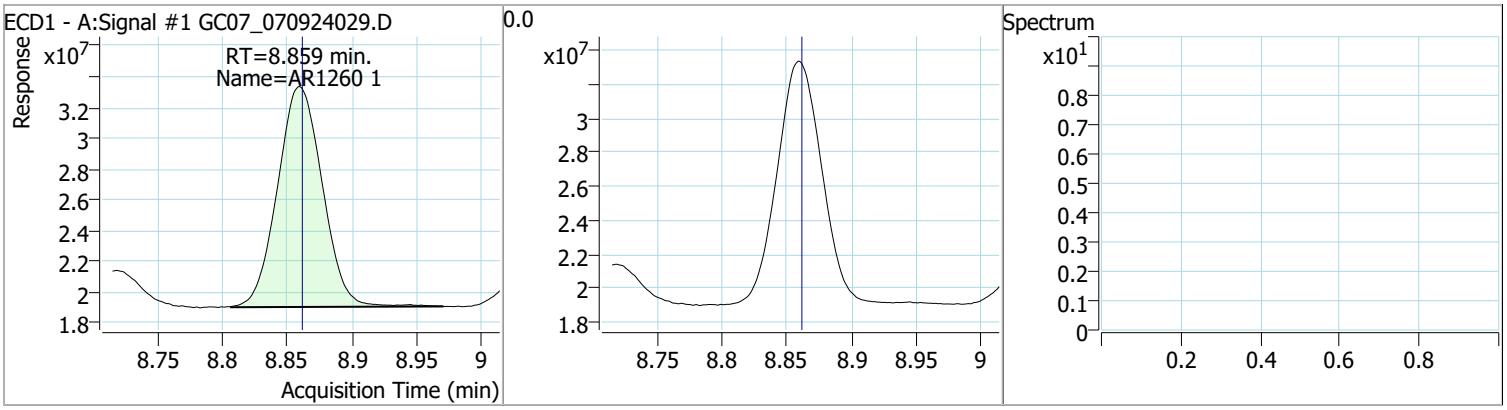
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	489.0478	7.10	0.00	7094819				



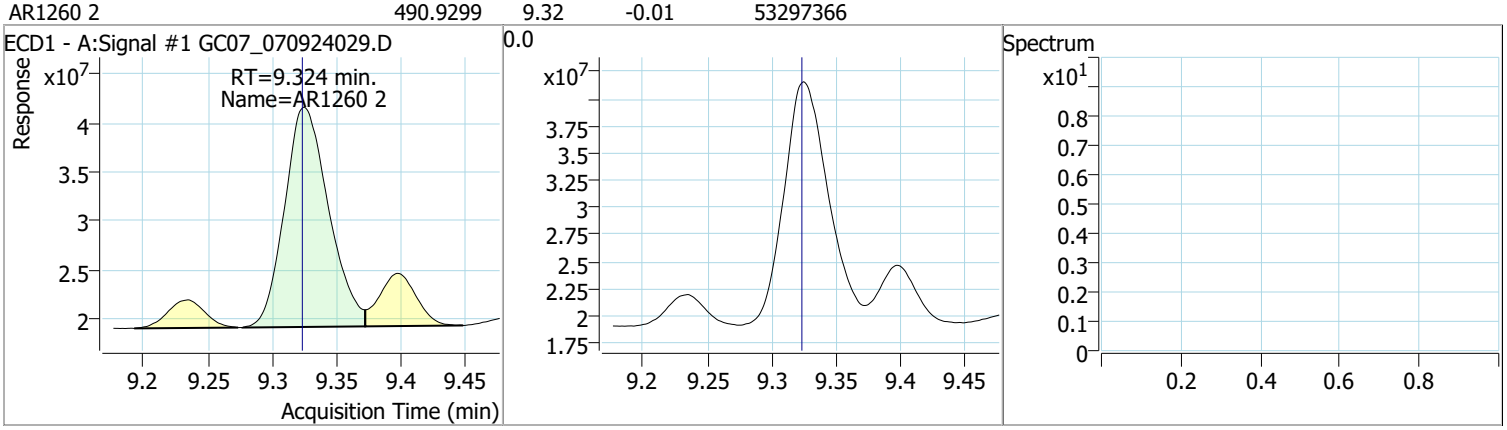
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	506.8884	7.82	0.00	5947508				



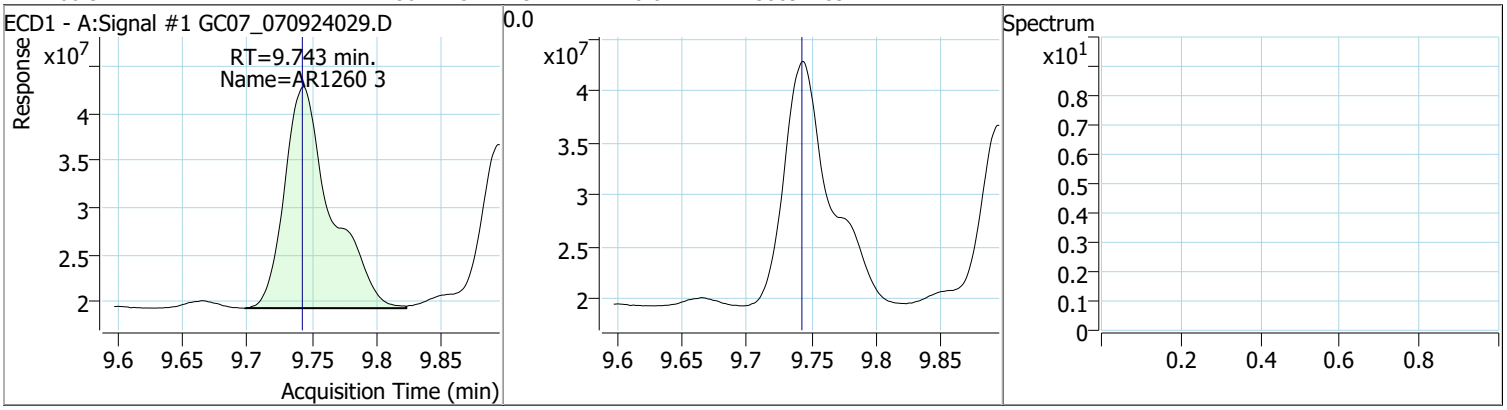
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	485.3263	8.86	-0.01	34498410				



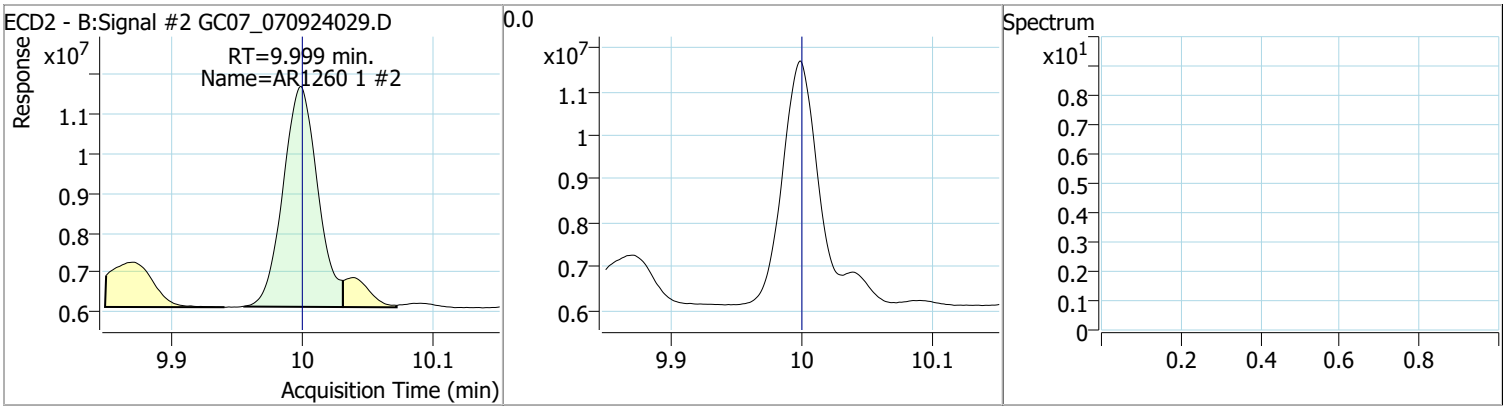
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	490.9299	9.32	-0.01	53297366				



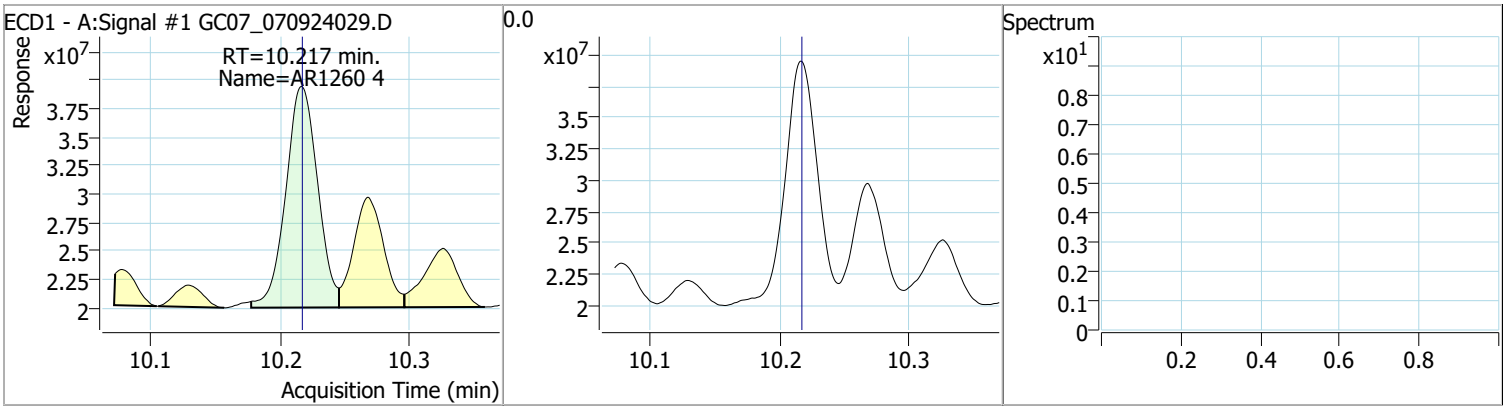
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	504.1757	9.74	-0.01	58892459				



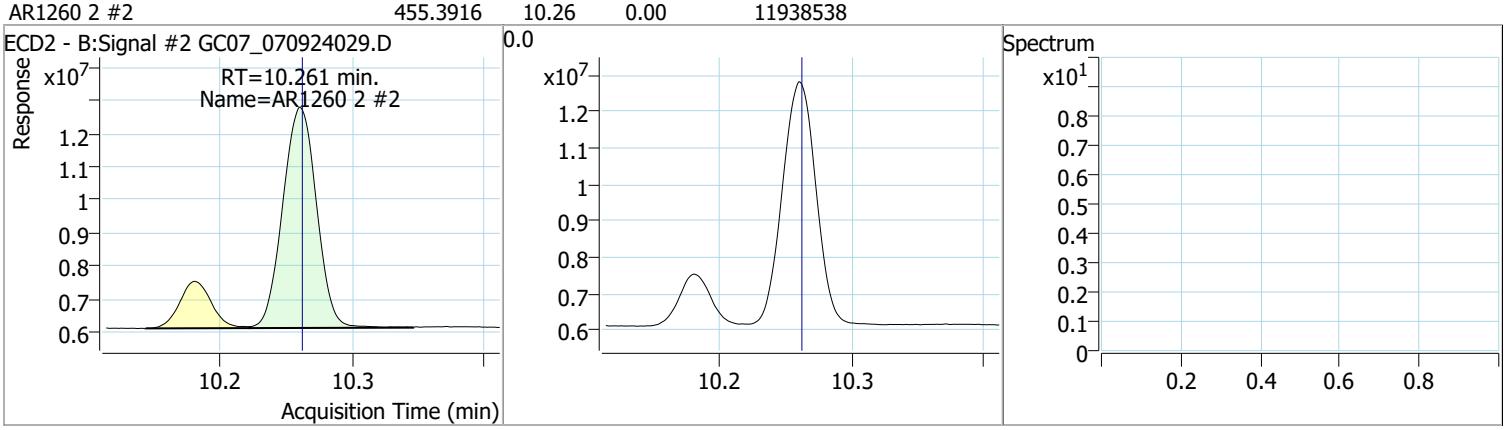
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	488.4480	10.00	0.00	10193017				



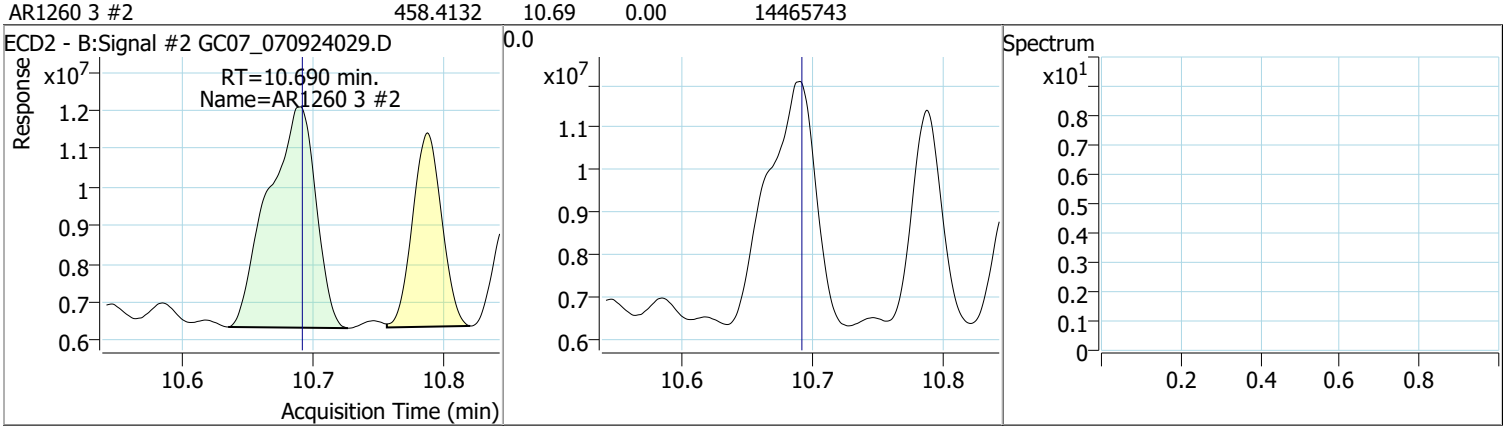
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	497.8105	10.22	-0.01	33617914				



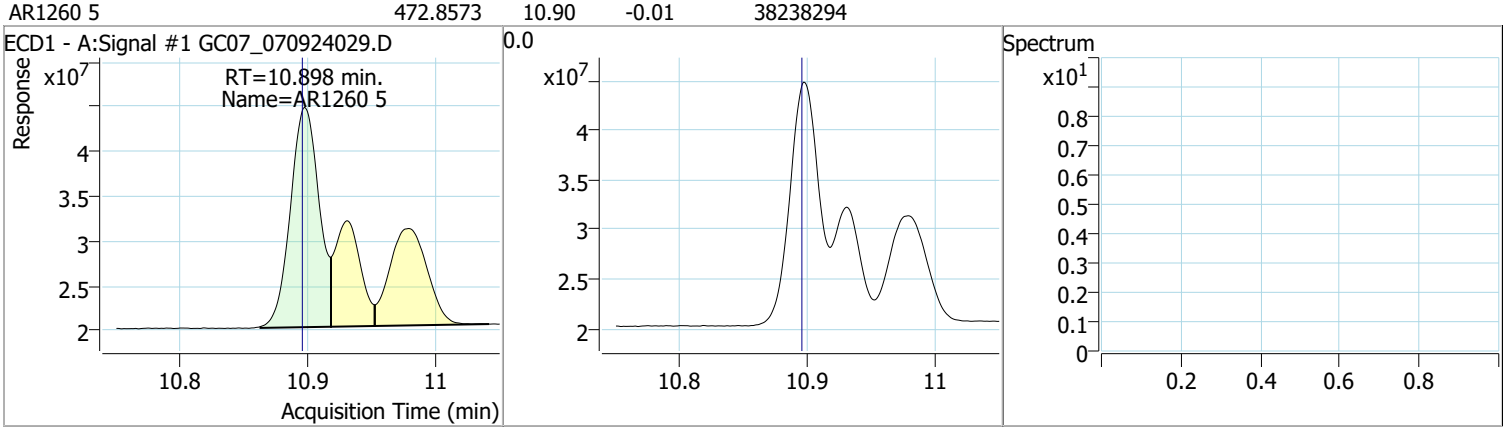
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.3916	10.26	0.00	11938538				



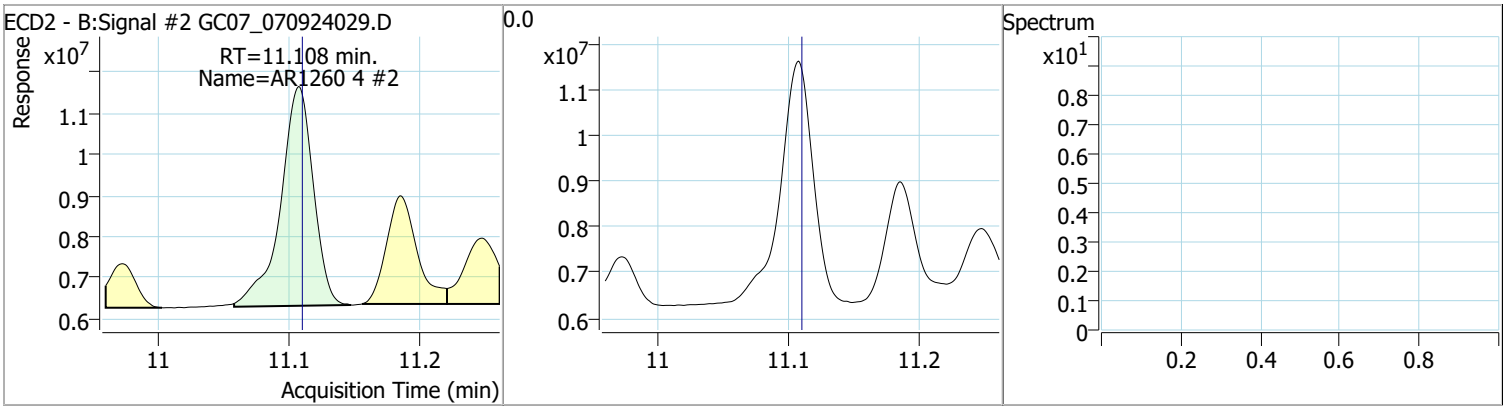
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	458.4132	10.69	0.00	14465743				



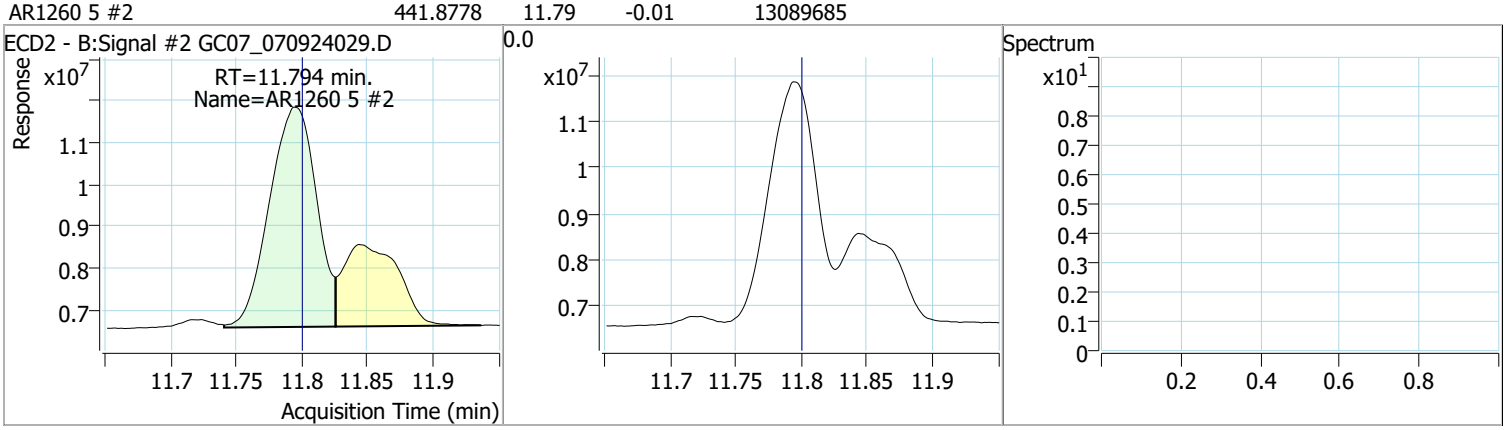
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.8573	10.90	-0.01	38238294				



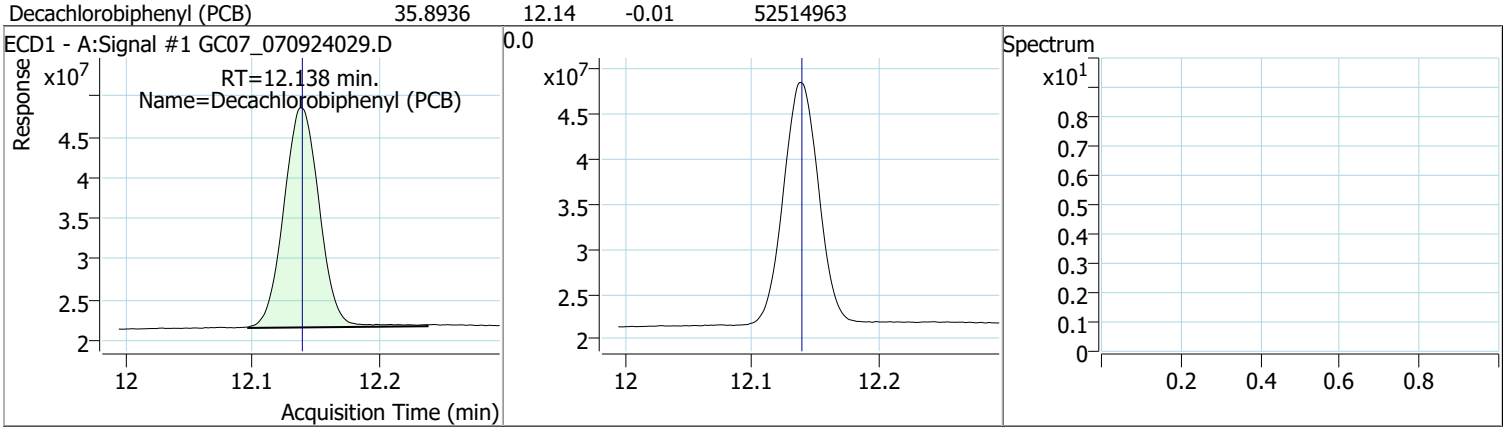
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	461.5265	11.11	0.00	9209174				



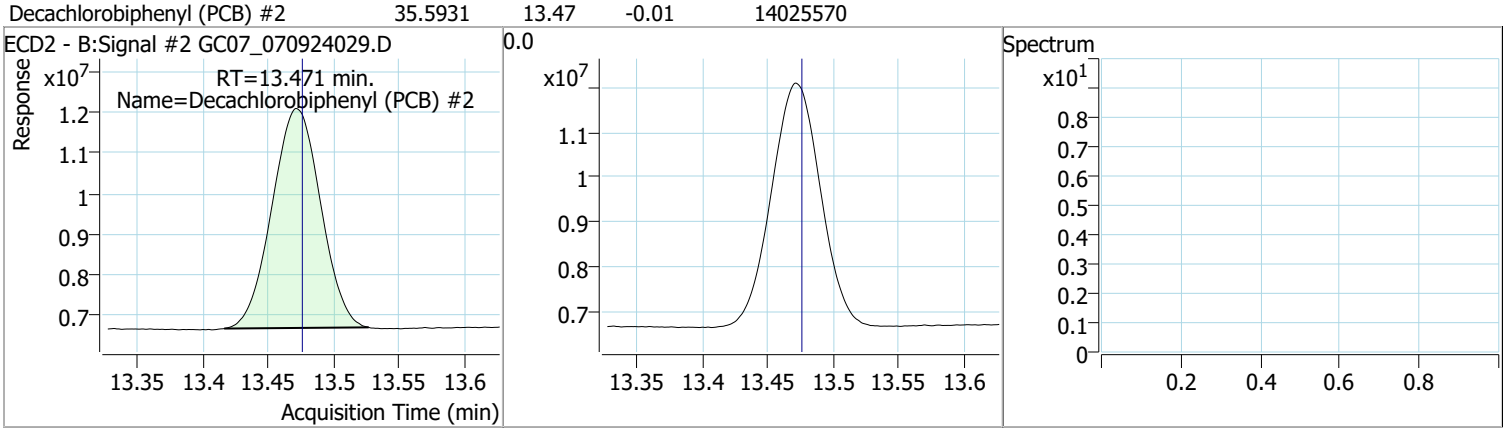
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	441.8778	11.79	-0.01	13089685				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.8936	12.14	-0.01	52514963				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.5931	13.47	-0.01	14025570				



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

enthalpy.com

Lab Job Number : 512356
Report Level : IV
Report Date : 07/26/2024

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 #:	512356
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/18/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	512356-001	07/18/24 09:30	Wipe
DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	512356-004	07/18/24 09:20	Wipe
DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA	512356-006	07/18/24 09:10	Wipe
DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	512356-008	07/18/24 09:00	Wipe
DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB	512356-009	07/18/24 09:00	Wipe
DOOR-S-15.6GW-PS-17-240718-P-LA	512356-011	07/18/24 09:50	Wipe
240718-P-FIELDBLANK1-HO	512356-013	07/18/24 09:40	Wipe

Case Narrative
PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 512356 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/18/24

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 07/19/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

~~513~~ 512356

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: 4.0 (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:	Mikim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/60:08	HOLD	Test Instructions / Comments
1	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	7/18/2024	0930	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	7/18/2024	0930	WP	1	--		X		Report PCB concentrations on a µg/100cm2 basis
3	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	7/18/2024	0930	WP	1	--		X		2 x Rivet 1 = 0.0776 ft2
4	DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	7/18/2024	0920	WP	1	--	X			Report lead concentrations on a µg/ft2 basis
5	DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	7/18/2024	0920	WP	1	--		X		2 x Rivet 1 = 0.0776 ft2
6	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	7/18/2024	0910	WP	1	--	X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
7	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	7/18/2024	0910	WP	1	--		X		2 x Rivet 1 = 0.0776 ft2
8	DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	7/18/2024	0900	WP	1	--	X			Wipe samples collected from Zone 8 Enclosure C (High Occupancy)
9	DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB	7/18/2024	0900	WP	1	--	X			
10	DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	7/18/2024	0900	WP	1	--		X		
11	DOOR-S-15.6GW-PS-17-240718-P-LA	7/18/2024	0950	WP	1	--	X			
12	DOOR-S-15.6GW-PS-17-240718-L-LA	7/18/2024	0950	WP	1	--		X		2 x Rivet 1 = 0.0776 ft2
13	240718-P-FIELDBLANK1-HO	7/18/2024	0940	WP	1	--	X			
14				--						
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Donald Welsh	Rincon / Env. Scientist	7/18/24 1450
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/18/24 14:50
2 Relinquished By:	Audrey Hudson	"	"	7/18/24 16:47
2 Received By:	[signature]	[illegible]	[illegible]	~~7/18/24~~ 16:47
3 Relinquished By:	[signature]	[illegible]	[illegible]	~~7/18/24~~ 17:46
3 Received By:	[signature]	6. Hill	EPA	~~7/18/24~~ 11:00

7/19/24 7/19/24

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: 7/18/24 Login # 512356 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 7/18/24 By (print) KM (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 7/18/24 **By (print)** KM **(sign)** _____

Date Labeled 7/18/24 **By (print)** KM **(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: 07/19/24 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: 4.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

512356

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. Gutierrez Date: 07/19/24


SOUTHWEST AIRLINES
Printed on:
18 JUL 19:26
526 OAK 1528 9610
SNA
PC#
1 OF 5
DG
G
LOT WT
140 LB
(63.5 KG)
OAK WN 941 19 JUL 06:20
STN FLT DATE ETD
LOT 01
PC ID: 0001
PC WT: 28LB
NFG
526 15289610 0001

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 512356 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA **Batch#:** 345600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082
Lab ID: 512356-001 **Received:** 07/18/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/20/24
Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-001 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

512356-001 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	88	19-121

Field ID: DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB **Batch#:** 345600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082
Lab ID: 512356-004 **Received:** 07/18/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/20/24
Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-004 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

512356-004 Surrogate	%REC	Limits
TCMX (PCB)	89	19-121
Decachlorobiphenyl (PCB)	92	19-121

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 512356 **Project#:** 20-10491

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

Field ID: DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA **Batch#:** 345600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082

Lab ID: 512356-006 **Received:** 07/18/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 07/20/24

Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-006 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

512356-006 Surrogate	%REC	Limits
TCMX (PCB)	90	19-121
Decachlorobiphenyl (PCB)	92	19-121

Field ID: DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB **Batch#:** 345600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082

Lab ID: 512356-008 **Received:** 07/18/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 07/20/24

Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-008 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

512356-008 Surrogate	%REC	Limits
TCMX (PCB)	93	19-121
Decachlorobiphenyl (PCB)	99	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 512356 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB **Batch#:** 345600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082
Lab ID: 512356-009 **Received:** 07/18/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/20/24
Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

512356-009 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	82	19-121

Field ID: DOOR-S-15.6GW-PS-17-240718-P-LA **Batch#:** 345600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082
Lab ID: 512356-011 **Received:** 07/18/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 07/20/24
Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

512356-011 Surrogate	%REC	Limits
TCMX (PCB)	94	19-121
Decachlorobiphenyl (PCB)	105	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 512356 **Project#:** 20-10491

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

Field ID: 240718-P-FIELDBLANK1-HO **Batch#:** 345600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 8082

Lab ID: 512356-013 **Received:** 07/18/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 07/20/24

Diln Fac: 1.000 **Analyzed:** 07/22/24

512356-013 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

512356-013 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	93	19-121

Type: BLANK **Batch#:** 345600 **Analysis:** EPA 8082

Lab ID: QC1171120 **Prepared:** 07/20/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 07/22/24

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

QC1171120 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

QC1171120 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	98	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 512356 **Project#:** 20-10491

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

Type: BS **Batch#:** 345600 **Analysis:** EPA 8082

Lab ID: QC1171121 **Prepared:** 07/20/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 07/22/24

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

QC1171121 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.469	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.843	97	60-140	ug/100 cm2

QC1171121 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	98	19-121

Type: BSD **Batch#:** 345600 **Analysis:** EPA 8082

Lab ID: QC1171122 **Prepared:** 07/20/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 07/22/24

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

QC1171122 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.552	91	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.892	98	60-140	ug/100 cm2	1	20

QC1171122 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	98	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 512356 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
QUAD: Quadratic regression

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	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

ENTHALPY INITIAL CALIBRATION FOR 512356 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

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	16	20.000	**36**	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	**-21**	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	**38**	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	**22**	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	**24**	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	**21**	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	**-21**
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	**-21**		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

ENTHALPY INITIAL CALIBRATION FOR 512356 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

-

Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

ENTHALPY CONTINUING CALIBRATION FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464294361004	File:	gc07_072224004	Time:	22-JUL-2024 10:36
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	492.2	ug/L	-2	15	0.0000	
Aroclor-1260	A			500.0	543.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.2030	40.00	43.64	pg/uL	9	15	0.0000	
TCMX (PCB)	A	0.9369	0.8646	40.00	36.91	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	517.6	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	547.6	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.2981	40.00	47.52	pg/uL	**19**	15	0.0000	c+
TCMX (PCB)	B	0.9593	0.9520	40.00	39.70	pg/uL	-1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	10965763	36.38
1-bromo-2-nitrobenzene (PCB)	A	28707643	47936344	66.98

07/22/24 : 500 PPB PCB CCV

MES 07/23/24 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

MES 07/23/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

+=high bias c=CCV

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

ENTHALPY CONTINUING CALIBRATION FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464294361033	File:	gc07_072224033	Time:	22-JUL-2024 19:05
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	518.5	ug/L	4	15	0.0000	
Aroclor-1260	A			500.0	561.8	ug/L	12	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.0874	40.00	39.44	pg/uL	-1	15	0.0000	
TCMX (PCB)	A	0.9369	0.8812	40.00	37.62	pg/uL	-6	15	0.0000	
Aroclor-1016	B			500.0	547.4	ug/L	9	15	0.0000	
Aroclor-1260	B			500.0	554.2	ug/L	11	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.2876	40.00	47.14	pg/uL	**18**	15	0.0000	c+
TCMX (PCB)	B	0.9593	0.9853	40.00	41.08	pg/uL	3	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	11046426	37.38
1-bromo-2-nitrobenzene (PCB)	A	28707643	49318701	71.80

07/23/24 : 500 PPB PCB CCV

MES 07/23/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

+=high bias c=CCV

Analyst: MES 07/23/24 **Reviewer:** MTS 07/24/24

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_062824021
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	06/28/24 13:21

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8040733	28707643
		LOWER LIMIT	4020367	14353822
		UPPER LIMIT	16081466	57415286
004	CCV		10965763	47936344
033	CCV		11046426	49318701

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224004
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 10:36

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	10965763	47936344
		LOWER LIMIT	5482882	23968172
		UPPER LIMIT	21931526	95872688
011	BLANK	QC1171103	10993818	47241477
011	BLANK	QC1171103	10993818	47241477
014	BS	QC1171106	11715009	49977870
015	BSD	QC1171107	9846521	42554650
016	SAMPLE	512416-002	13268252	75861436
016	SAMPLE	512416-002	13268252	75861436
017	BLANK	QC1171120	10997148	47430459
018	BS	QC1171121	11242878	49330290
019	BSD	QC1171122	10700703	44795891
020	SAMPLE	512355-001	10789429	48164523
021	SAMPLE	512355-003	10973397	47657354
022	SAMPLE	512355-005	10743698	45484925
023	SAMPLE	512355-008	10161390	45982133
024	SAMPLE	512355-010	8848074	39174748
025	SAMPLE	512356-001	10380926	45795788
026	SAMPLE	512356-004	10421978	43549776
027	SAMPLE	512356-006	10399913	43917047
028	SAMPLE	512356-008	10205136	44684456
029	SAMPLE	512356-009	10318117	44285587

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224004
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 10:36

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.44	4.29
		LOWER LIMIT	4.24	4.09
		UPPER LIMIT	4.64	4.49
011	BLANK	QC1171103	4.44	4.29
014	BS	QC1171106	4.44	4.29
015	BSD	QC1171107	4.44	4.29
016	SAMPLE	512416-002	4.44	4.29
017	BLANK	QC1171120	4.44	4.29
018	BS	QC1171121	4.44	4.29
019	BSD	QC1171122	4.44	4.29
020	SAMPLE	512355-001	4.44	4.29
021	SAMPLE	512355-003	4.44	4.29
022	SAMPLE	512355-005	4.44	4.29
023	SAMPLE	512355-008	4.44	4.29
024	SAMPLE	512355-010	4.44	4.29
025	SAMPLE	512356-001	4.44	4.29
026	SAMPLE	512356-004	4.44	4.29
027	SAMPLE	512356-006	4.44	4.29
028	SAMPLE	512356-008	4.44	4.29
029	SAMPLE	512356-009	4.44	4.29

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224009
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 12:04

#	Type	Sample ID	1BR2NITROBZ1248 A	1BR2NITROBZ1248 B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	55767030	12686726
		LOWER LIMIT	27883515	6343363
		UPPER LIMIT	111534059	25373451
011	BLANK	QC1171103		
011	BLANK	QC1171103		
016	SAMPLE	512416-002		
016	SAMPLE	512416-002		
017	BLANK	QC1171120		
020	SAMPLE	512355-001		
021	SAMPLE	512355-003		
022	SAMPLE	512355-005		
023	SAMPLE	512355-008		
024	SAMPLE	512355-010		
025	SAMPLE	512356-001		
026	SAMPLE	512356-004		
027	SAMPLE	512356-006		
028	SAMPLE	512356-008		
029	SAMPLE	512356-009		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224009
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 12:04

#	Type	Sample ID	1BR2NITROBZ1248 A RT	1BR2NITROBZ1248 B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.29	4.44
		LOWER LIMIT	4.09	4.24
		UPPER LIMIT	4.49	4.64
011	BLANK	QC1171103		
016	SAMPLE	512416-002		
017	BLANK	QC1171120		
020	SAMPLE	512355-001		
021	SAMPLE	512355-003		
022	SAMPLE	512355-005		
023	SAMPLE	512355-008		
024	SAMPLE	512355-010		
025	SAMPLE	512356-001		
026	SAMPLE	512356-004		
027	SAMPLE	512356-006		
028	SAMPLE	512356-008		
029	SAMPLE	512356-009		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224033
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 19:05

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	11046426	49318701
		LOWER LIMIT	5523213	24659351
		UPPER LIMIT	22092852	98637403
040	SAMPLE	512356-011	9868129	37888609
041	SAMPLE	512356-013	10702287	43591601
042	BLANK	QC1171153	9185756	46179006
042	BLANK	QC1171153	9185756	46179006
046	LCS	QC1171157	8871136	46484438
047	MS	QC1171158	10268758	48365591
048	MSD	QC1171159	9990102	46848098
049	BLANK	QC1171153	9981479	45923821
050	LCS	QC1171157	10055778	46306184
051	MSS	512343-001	10264940	47927688
051	MSS	512343-001	10264940	47927688
052	MSS	512525-001	9989401	47268818
053	SAMPLE	512328-005	10475649	46473253
053	SAMPLE	512328-005	10475649	46473253
056	SAMPLE	512510-018	10081647	48487542
057	SAMPLE	512510-019	12123568	59909745
058	SAMPLE	512528-001	9127219	48179893

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224033
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 19:05

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.44	4.29
		LOWER LIMIT	4.24	4.09
		UPPER LIMIT	4.64	4.49
040	SAMPLE	512356-011	4.44	4.29
041	SAMPLE	512356-013	4.44	4.29
042	BLANK	QC1171153	4.44	4.29
046	LCS	QC1171157	4.44	4.29
047	MS	QC1171158	4.44	4.29
048	MSD	QC1171159	4.44	4.29
049	BLANK	QC1171153	4.44	4.29
050	LCS	QC1171157	4.44	4.29
051	MSS	512343-001	4.44	4.29
052	MSS	512525-001	4.44	4.29
053	SAMPLE	512328-005	4.44	4.29
056	SAMPLE	512510-018	4.44	4.29
057	SAMPLE	512510-019	4.44	4.29
058	SAMPLE	512528-001	4.44	4.29

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224036
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 19:58

#	Type	Sample ID	1BR2NITROBZ1242 A	1BR2NITROBZ1242 B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	58546976	12821265
		LOWER LIMIT	29273488	6410632
		UPPER LIMIT	117093952	25642530
040	SAMPLE	512356-011		
041	SAMPLE	512356-013		
042	BLANK	QC1171153		
042	BLANK	QC1171153		
049	BLANK	QC1171153		
051	MSS	512343-001		
051	MSS	512343-001		
052	MSS	512525-001	47231507	9987658
053	SAMPLE	512328-005		
053	SAMPLE	512328-005		
056	SAMPLE	512510-018	48437611	10083146
057	SAMPLE	512510-019		
058	SAMPLE	512528-001		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224036
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 19:58

#	Type	Sample ID	1BR2NITROBZ1242 A RT	1BR2NITROBZ1242 B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.29	4.44
		LOWER LIMIT	4.09	4.24
		UPPER LIMIT	4.49	4.64
040	SAMPLE	512356-011		
041	SAMPLE	512356-013		
042	BLANK	QC1171153		
049	BLANK	QC1171153		
051	MSS	512343-001		
052	MSS	512525-001	4.29	4.44
053	SAMPLE	512328-005		
056	SAMPLE	512510-018	4.29	4.44
057	SAMPLE	512510-019		
058	SAMPLE	512528-001		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224037
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 20:20

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	12719406	58565972
		LOWER LIMIT	6359703	29282986
		UPPER LIMIT	25438812	117131944
040	SAMPLE	512356-011		
041	SAMPLE	512356-013		
042	BLANK	QC1171153		
042	BLANK	QC1171153		
049	BLANK	QC1171153		
051	MSS	512343-001		
051	MSS	512343-001		
052	MSS	512525-001	9987658	47231507
053	SAMPLE	512328-005		
053	SAMPLE	512328-005		
056	SAMPLE	512510-018		
057	SAMPLE	512510-019		
058	SAMPLE	512528-001		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224037
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 20:20

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.44	4.29
		LOWER LIMIT	4.24	4.09
		UPPER LIMIT	4.64	4.49
040	SAMPLE	512356-011		
041	SAMPLE	512356-013		
042	BLANK	QC1171153		
049	BLANK	QC1171153		
051	MSS	512343-001		
052	MSS	512525-001	4.44	4.29
053	SAMPLE	512328-005		
056	SAMPLE	512510-018		
057	SAMPLE	512510-019		
058	SAMPLE	512528-001		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224038
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 20:38

#	Type	Sample ID	1BR2NITROBZ1248 A	1BR2NITROBZ1248 B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	84301546	17438876
		LOWER LIMIT	42150773	8719438
		UPPER LIMIT	168603093	34877753
040	SAMPLE	512356-011		
041	SAMPLE	512356-013		
042	BLANK	QC1171153		
042	BLANK	QC1171153		
049	BLANK	QC1171153		
051	MSS	512343-001		
051	MSS	512343-001		
052	MSS	512525-001	47231507	9987658
053	SAMPLE	512328-005		
053	SAMPLE	512328-005		
056	SAMPLE	512510-018		
057	SAMPLE	512510-019		
058	SAMPLE	512528-001		

Enthalpy Internal Standard Summary for Sequence 464294361

Date:	07/22/24	Reference:	gc07_072224038
Sequence:	SVOA-GC07 gc07_072224	Analyzed:	07/22/24 20:38

#	Type	Sample ID	1BR2NITROBZ1248 A RT	1BR2NITROBZ1248 B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.29	4.45
		LOWER LIMIT	4.09	4.25
		UPPER LIMIT	4.49	4.65
040	SAMPLE	512356-011		
041	SAMPLE	512356-013		
042	BLANK	QC1171153		
049	BLANK	QC1171153		
051	MSS	512343-001		
052	MSS	512525-001	4.29	4.44
053	SAMPLE	512328-005		
056	SAMPLE	512510-018		
057	SAMPLE	512510-019		
058	SAMPLE	512528-001		

Enthalpy Sequence Summary for Sequence 464259633

Instrument: SVOA-GC07 Begun: 06/28/24 07:13
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062824002	PEM				06/28/24 07:13	1.0	1	
003	gc07_062824003	CCV				06/28/24 07:34	1.0	2	ac
004	gc07_062824004	CCV				06/28/24 07:55	1.0	3	
005	gc07_062824005	CCV				06/28/24 08:25	1.0	2	
006	gc07_062824006	CCV				06/28/24 08:46	1.0	3	
019	gc07_062824019	ICAL				06/28/24 12:46	1.0	4	
020	gc07_062824020	ICAL				06/28/24 13:03	1.0	5	
021	gc07_062824021	ICAL				06/28/24 13:21	1.0	6	
022	gc07_062824022	ICAL				06/28/24 13:38	1.0	7	
023	gc07_062824023	ICAL				06/28/24 13:56	1.0	8	
024	gc07_062824024	ICAL				06/28/24 14:13	1.0	9	
025	gc07_062824025	ICAL				06/28/24 14:30	1.0	10	
026	gc07_062824026	ICAL				06/28/24 14:48	1.0	11	
027	gc07_062824027	ICAL				06/28/24 15:05	1.0	12	
028	gc07_062824028	ICAL				06/28/24 15:22	1.0	13	
030	gc07_062824030	ICV				06/28/24 15:57	1.0	14	

KLR 06/28/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

ac=average CCV drift out

Standards Used:
1=S20775 2=S20879 3=S20894 4=S20882 5=S20883 6=S20884 7=S20885 8=S20886 9=S20887 10=S20888 11=S20889 12=S20890 13=S20891 14=S20893

Instrument: SVOA-GC07 Begun: 07/22/24 10:01
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_072224002	PEM				07/22/24 10:01	1.0	1	
003	gc07_072224003	CCV				07/22/24 10:19	1.0	2	
004	gc07_072224004	CCV				07/22/24 10:36	1.0	3	
009	gc07_072224009	ICAL				07/22/24 12:04	1.0	4	
011	gc07_072224011	BLANK	QC1171103	Water	345597	07/22/24 12:39	1.0	5	
012	gc07_072224012	BS	QC1171104	Water	345597	07/22/24 12:57	1.0	5	
013	gc07_072224013	BSD	QC1171105	Water	345597	07/22/24 13:14	1.0	5	
014	gc07_072224014	BS	QC1171106	Water	345597	07/22/24 13:32	1.0	5	
015	gc07_072224015	BSD	QC1171107	Water	345597	07/22/24 13:50	1.0	5	
016	gc07_072224016	SAMPLE	512416-002	Water	345597	07/22/24 14:07	1.0	5	1:GCHLORDANE=620
017	gc07_072224017	BLANK	QC1171120	Wipe	345600	07/22/24 14:25	1.0	5	
018	gc07_072224018	BS	QC1171121	Wipe	345600	07/22/24 14:42	1.0	5	
019	gc07_072224019	BSD	QC1171122	Wipe	345600	07/22/24 15:00	1.0	5	
020	gc07_072224020	SAMPLE	512355-001	Wipe	345600	07/22/24 15:17	1.0	5	
021	gc07_072224021	SAMPLE	512355-003	Wipe	345600	07/22/24 15:35	1.0	5	
022	gc07_072224022	SAMPLE	512355-005	Wipe	345600	07/22/24 15:52	1.0	5	
023	gc07_072224023	SAMPLE	512355-008	Wipe	345600	07/22/24 16:10	1.0	5	
024	gc07_072224024	SAMPLE	512355-010	Wipe	345600	07/22/24 16:27	1.0	5	
025	gc07_072224025	SAMPLE	512356-001	Wipe	345600	07/22/24 16:45	1.0	5	
026	gc07_072224026	SAMPLE	512356-004	Wipe	345600	07/22/24 17:02	1.0	5	
027	gc07_072224027	SAMPLE	512356-006	Wipe	345600	07/22/24 17:20	1.0	5	
028	gc07_072224028	SAMPLE	512356-008	Wipe	345600	07/22/24 17:37	1.0	5	
029	gc07_072224029	SAMPLE	512356-009	Wipe	345600	07/22/24 17:55	1.0	5	
031	gc07_072224031	PEM				07/22/24 18:30	1.0	1	
032	gc07_072224032	CCV				07/22/24 18:47	1.0	2	
033	gc07_072224033	CCV				07/22/24 19:05	1.0	3	
034	gc07_072224034	ICAL				07/22/24 19:23	1.0	6	
036	gc07_072224036	ICAL				07/22/24 19:58	1.0	7	
037	gc07_072224037	ICAL				07/22/24 20:20	1.0	8	

Enthalpy Sequence Summary for Sequence 464294361

Instrument: SVOA-GC07 Begun: 07/22/24 10:01
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
038	gc07_072224038	ICAL				07/22/24 20:38	1.0	4	
040	gc07_072224040	SAMPLE	512356-011	Wipe	345600	07/22/24 21:13	1.0	5	
041	gc07_072224041	SAMPLE	512356-013	Wipe	345600	07/22/24 21:30	1.0	5	
042	gc07_072224042	BLANK	QC1171153	Soil	345610	07/22/24 21:48	1.0	5	
043	gc07_072224043	LCS	QC1171154	Soil	345610	07/22/24 22:05	1.0	5	
044	gc07_072224044	MS	QC1171155	Soil	345610	07/22/24 22:23	1.0	5	
045	gc07_072224045	MSD	QC1171156	Soil	345610	07/22/24 22:40	1.0	5	
046	gc07_072224046	LCS	QC1171157	Soil	345610	07/22/24 22:58	1.0	5	
047	gc07_072224047	MS	QC1171158	Soil	345610	07/22/24 23:15	5.0	5	1:PCB1016#5=3800
048	gc07_072224048	MSD	QC1171159	Soil	345610	07/22/24 23:33	5.0	5	diluted (client history), 1:PCB1016#5=3800
049	gc07_072224049	BLANK	QC1171153	Soil	345610	07/22/24 23:50	1.0	5	
050	gc07_072224050	LCS	QC1171157	Soil	345610	07/23/24 00:08	1.0	5	
051	gc07_072224051	MSS	512343-001	Soil	345610	07/23/24 00:25	1.0	5	
052	gc07_072224052	MSS	512525-001	Soil	345610	07/23/24 00:42	5.0	5	diluted (client history), 2:PCB1016#5=3100
053	gc07_072224053	SAMPLE	512328-005	Soil	345610	07/23/24 01:00	1.0	5	
054	gc07_072224054	SAMPLE	512510-018	Soil	345610	07/23/24 01:17	5.0	5	
055	gc07_072224055	SAMPLE	512510-019	Soil	345610	07/23/24 01:35	5.0	5	
056	gc07_072224056	SAMPLE	512510-018	Soil	345610	07/23/24 01:52	2.0	5	
057	gc07_072224057	SAMPLE	512510-019	Soil	345610	07/23/24 02:10	2.0	5	
058	gc07_072224058	SAMPLE	512528-001	Soil	345610	07/23/24 02:27	1.0	5	

MES 07/23/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 58.

Standards Used:
1=S20775 2=S21103 3=S21104 4=S20683 5=S20106 6=S20753 7=S20681 8=S20682

SAMPLE PREPARATION SUMMARY

Batch #:	345600	Prep Date:	20-JUL-2024 13:02	Started By:	KXL
Analysis:	8080	Method:	3546	Finished By:	KXL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S21141	Spike S21137	Analysis
QC1171120 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1171121 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1171122 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
512355-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipes Date/Time: 07/20/24 13:02 Initials: KXL

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A / N/A

Hotblock Temp (Obs/Corr), °C: N/A / N/A

Balance ID: N/A Microdispenser ID: Syringe

Extraction Start Time*: 13:16 Extraction end time*: 14:01

* For hot block, microwave, shaker table

608.3 QC Batch#:

8081 QC Batch #:

8082 QC Batch #: 345600

Sample ID	Cont. ID	Sample Initial Amount Circle one: dm² mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm²	N/A	MIC2-9	TV05	10.0		
LCS		1 dm²		10	↓	10.0		
~~07120124KXL MS~~				KXL ~~11~~				
~~07120124KXL MSD~~				07/20/24 ~~11~~				
LCSD		1 dm²		~~11~~ 11	TV05	10.0		
512355 - 001		1 dm²		~~12~~ 12	↓	10.0		
- 003		1 dm²		~~13~~ 13	↓	10.0		
- 005		1 dm²		~~14~~ 14	↓	10.0		
- 008		1 dm²		~~15~~ 15	TV06	10.0		
↓ - 010		1 dm²		~~17~~ 17	↓	10.0		
512356 - 001		1 dm²		~~18~~ 18	↓	10.0		
- 004		1 dm²		~~19~~ 19	↓	10.0		
- 006		1 dm²		20	↓	10.0		
- 008		1 dm²		21	↓	10.0		
- 009		1 dm²		22	TV07	10.0		
- 011		1 dm²		23	↓	10.0		
↓ - 013		1 dm²	↓	24	↓	10.0		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 521046

Acetone-Hexane Mix ID: WR-071524-001

Sodium Sulfate Lot: 232416

Baked Sand Lot: N/A

Surrogate ID: 521141 Volume: 500 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: 521137 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 512356 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
512356-001	Aroclor-1016	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1221	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1232	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1242	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1248	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1254	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1260	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1262	SVOA-GC07	B	07/22/24 16:45
512356-001	Aroclor-1268	SVOA-GC07	B	07/22/24 16:45
512356-001	TCMX (PCB)	SVOA-GC07	B	07/22/24 16:45
512356-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 16:45
512356-004	Aroclor-1016	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1221	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1232	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1242	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1248	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1254	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1260	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1262	SVOA-GC07	B	07/22/24 17:02
512356-004	Aroclor-1268	SVOA-GC07	B	07/22/24 17:02
512356-004	TCMX (PCB)	SVOA-GC07	B	07/22/24 17:02
512356-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 17:02
512356-006	Aroclor-1016	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1221	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1232	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1242	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1248	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1254	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1260	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1262	SVOA-GC07	B	07/22/24 17:20
512356-006	Aroclor-1268	SVOA-GC07	B	07/22/24 17:20

REPORTING SUMMARY FOR 512356 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
512356-006	TCMX (PCB)	SVOA-GC07	B	07/22/24 17:20
512356-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 17:20
512356-008	Aroclor-1016	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1221	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1232	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1242	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1248	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1254	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1260	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1262	SVOA-GC07	B	07/22/24 17:37
512356-008	Aroclor-1268	SVOA-GC07	B	07/22/24 17:37
512356-008	TCMX (PCB)	SVOA-GC07	B	07/22/24 17:37
512356-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 17:37
512356-009	Aroclor-1016	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1221	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1232	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1242	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1248	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1254	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1260	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1262	SVOA-GC07	B	07/22/24 17:55
512356-009	Aroclor-1268	SVOA-GC07	B	07/22/24 17:55
512356-009	TCMX (PCB)	SVOA-GC07	B	07/22/24 17:55
512356-009	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 17:55
512356-011	Aroclor-1016	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1221	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1232	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1242	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1248	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1254	SVOA-GC07	B	07/22/24 21:13

REPORTING SUMMARY FOR 512356 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
512356-011	Aroclor-1260	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1262	SVOA-GC07	B	07/22/24 21:13
512356-011	Aroclor-1268	SVOA-GC07	B	07/22/24 21:13
512356-011	TCMX (PCB)	SVOA-GC07	B	07/22/24 21:13
512356-011	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 21:13
512356-013	Aroclor-1016	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1221	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1232	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1242	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1248	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1254	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1260	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1262	SVOA-GC07	B	07/22/24 21:30
512356-013	Aroclor-1268	SVOA-GC07	B	07/22/24 21:30
512356-013	TCMX (PCB)	SVOA-GC07	B	07/22/24 21:30
512356-013	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 21:30
QC1171120	Aroclor-1016	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1221	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1232	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1242	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1248	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1254	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1260	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1262	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1268	SVOA-GC07	B	07/22/24 14:25
QC1171120	TCMX (PCB)	SVOA-GC07	B	07/22/24 14:25
QC1171120	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 14:25
QC1171121	Aroclor-1016	SVOA-GC07	B	07/22/24 14:42
QC1171121	Aroclor-1260	SVOA-GC07	B	07/22/24 14:42
QC1171121	TCMX (PCB)	SVOA-GC07	B	07/22/24 14:42

REPORTING SUMMARY FOR 512356 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1171121	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 14:42
QC1171122	Aroclor-1016	SVOA-GC07	B	07/22/24 15:00
QC1171122	Aroclor-1260	SVOA-GC07	B	07/22/24 15:00
QC1171122	TCMX (PCB)	SVOA-GC07	B	07/22/24 15:00
QC1171122	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 15:00

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-001	Client ID:	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA
Seqnum:	464294361025	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224025	Batch:	345600	Time:	22-JUL-2024 16:45
Cal:	464259633001	Caldate:	28-JUN-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	60.45	ug/L	~~0.60~~ FP	0.46	26%	0.50		x u
Aroclor-1016 Peak # 1	B	74.46	ug/L	0.74	0.24	101%			
Aroclor-1016 Peak # 2	B	2.189	ug/L	0.02	0.31	173%			
Aroclor-1016 Peak # 3	B	215.5	ug/L	2.16	1.41	42%			
Aroclor-1016 Peak # 4	B	2.946	ug/L	0.03	0.01	97%			
Aroclor-1016 Peak # 5	B	7.119	ug/L	0.07	0.35	132%			
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	52.18	ug/L	~~0.52~~ FP	0.88	52%	0.50		x u
Aroclor-1260 Peak # 1	B	88.29	ug/L	0.88	2.20	85%			
Aroclor-1260 Peak # 2	B	51.10	ug/L	0.51	0.00	197%			
Aroclor-1260 Peak # 3	B	14.20	ug/L	0.14	0.33	79%			
Aroclor-1260 Peak # 4	B	21.71	ug/L	0.22	1.16	137%			
Aroclor-1260 Peak # 5	B	85.62	ug/L	0.86	0.73	16%			
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	42.95	pg/uL	0.5000	0.4295	86	19-121	u
Decachlorobiphenyl (PCB)	B	44.09	pg/uL	0.5000	0.4409	88	19-121	c+ u

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

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10380926	-5.33
1-bromo-2-nitrobenzene (PCB)	A	47936344	45795788	-4.47

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	12686726	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.44	**???**	

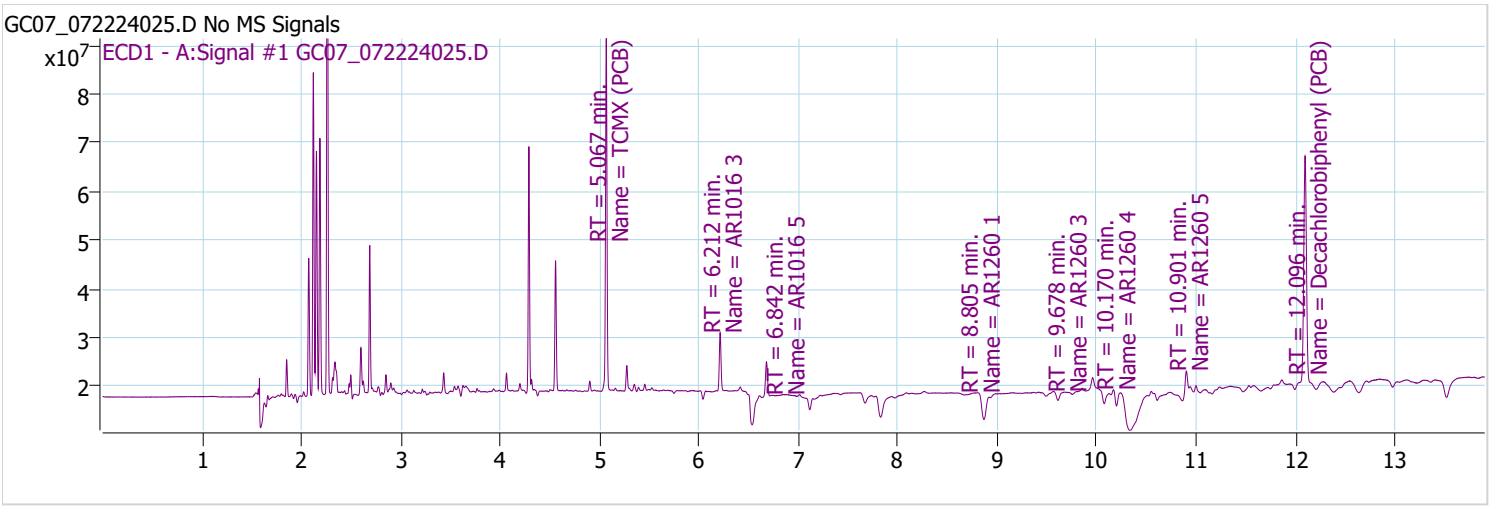
07/23/24 : WIPE/1dm3-10ML

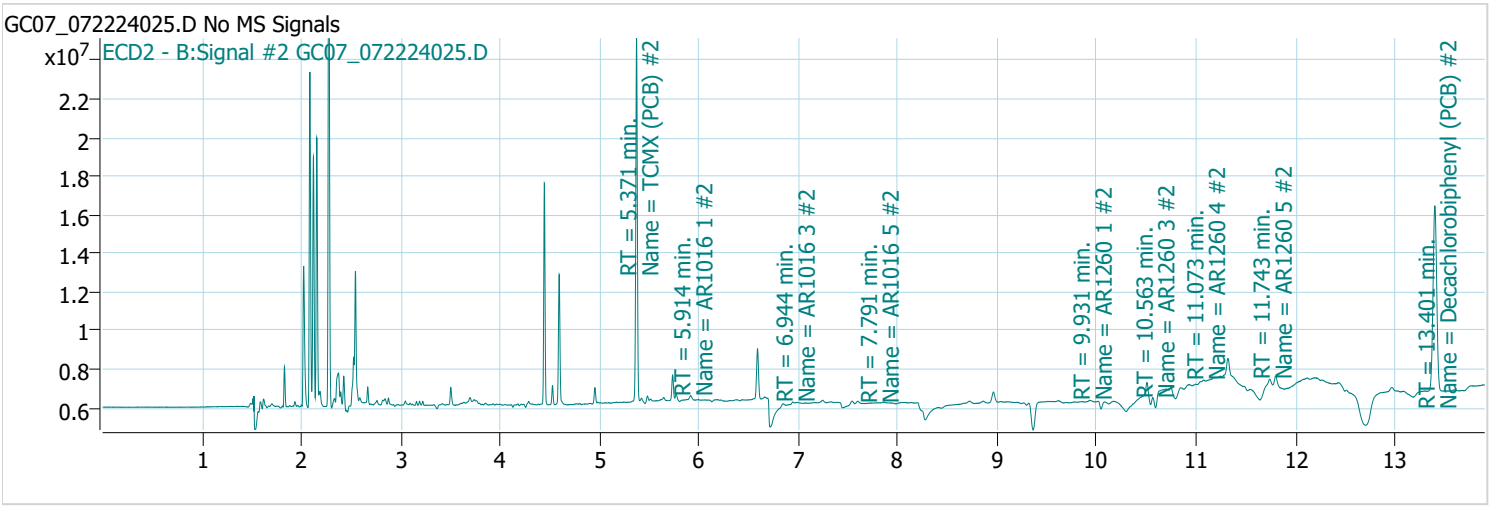
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 4:45:18 PM
Sample Name	512356-001, 345600, 1	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



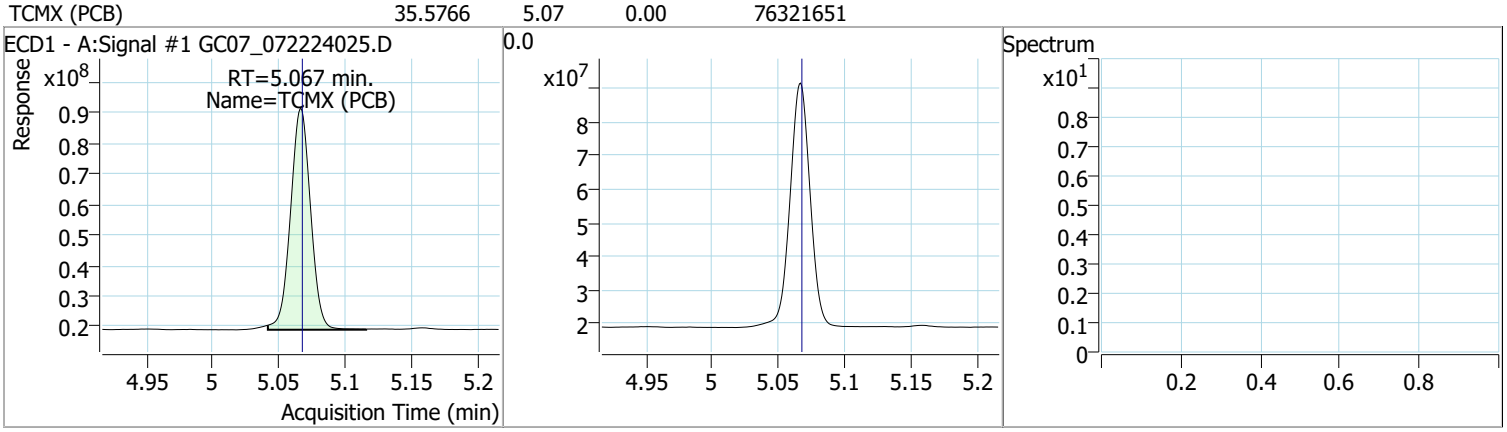


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	45795788.356	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10380926.312	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.067	0.0	76321651.033	35.5766	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.88%		*	
S TCMX (PCB) #2	5.371	0.0	21386096.754	42.9508	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.75%		*	
S Decachlorobiphenyl (PCB)	12.096	0.0	98835239.514	39.1439	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.72%		*	
S Decachlorobiphenyl (PCB) #2	13.401	0.0	25005077.507	44.0920	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.46%		*	
Target Compounds							QValue

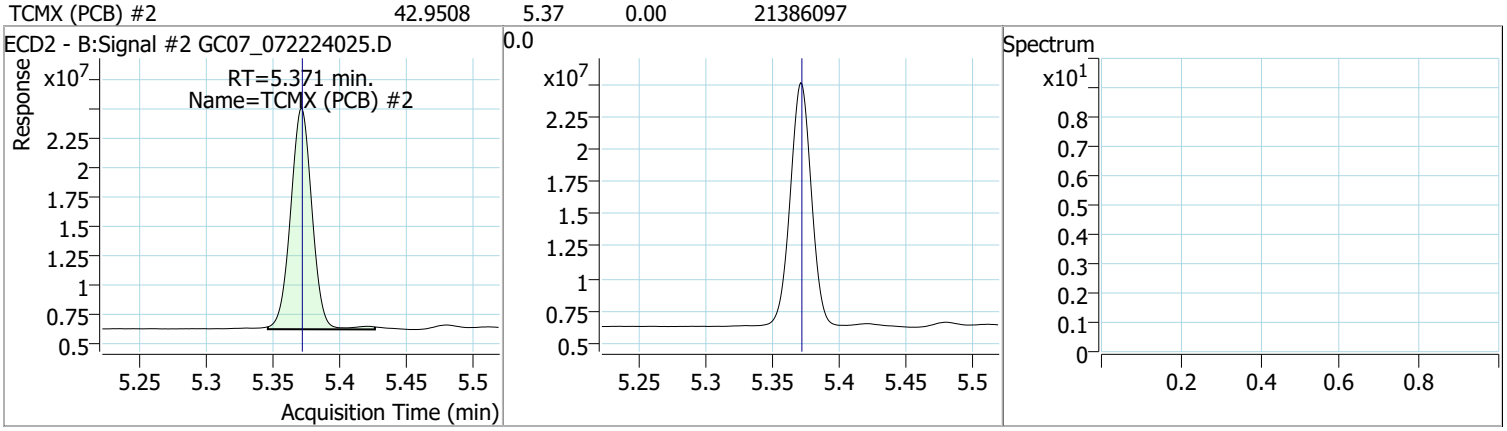
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.393	0.0	979647.310	24.4729	ng/ml	100
T AR1016 2	5.778	0.0	2554447.626	30.7178	ng/ml	100
T AR1016 1 #2	5.914	0.0	816088.201	74.4556	ng/ml	100
T AR1016 3	6.212	0.0	15115533.679	140.6344	ng/ml	100
T AR1016 2 #2	6.307	0.0	49564.722	2.1887	ng/ml	100
T AR1016 4	6.353	0.0	71020.622	1.0206	ng/ml	100
T AR1016 5	6.842	0.0	2129975.301	34.8235	ng/ml	100
T AR1016 3 #2	6.944	0.0	6087849.142	215.5474	ng/ml	100
T AR1016 4 #2	7.073	0.0	61512.241	2.9462	ng/ml	100
T AR1016 5 #2	7.791	0.0	120206.192	7.1185	ng/ml	100
T AR1260 1	8.805	0.0	26990799.183	220.0235	ng/ml	100
T AR1260 2	9.273	0.0	67502.917	0.3603	ng/ml	100
T AR1260 3	9.678	0.0	6568429.973	32.5839	ng/ml	100
T AR1260 1 #2	9.931	0.0	2651655.273	88.2917	ng/ml	100
T AR1260 4	10.170	0.0	13535538.722	116.1415	ng/ml	100
T AR1260 2 #2	10.171	0.0	1927896.356	51.0981	ng/ml	100
T AR1260 3 #2	10.563	0.0	644970.589	14.2018	ng/ml	100
T AR1260 5	10.901	0.0	10221487.956	73.2427	ng/ml	100
T AR1260 4 #2	11.073	0.0	623461.150	21.7106	ng/ml	100
T AR1260 5 #2	11.743	0.0	3650272.294	85.6220	ng/ml	100

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

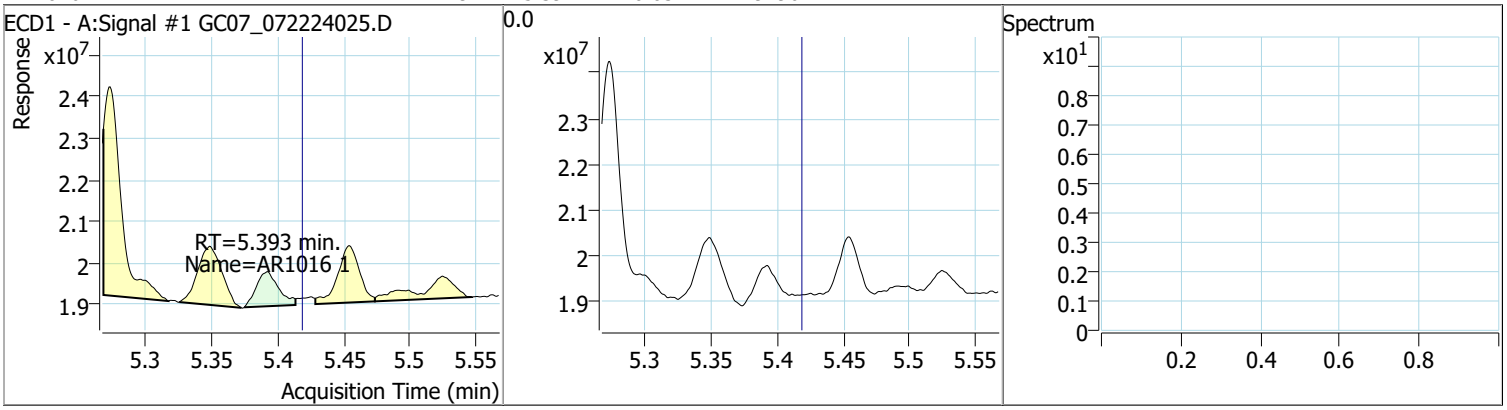
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.5766	5.07	0.00	76321651				



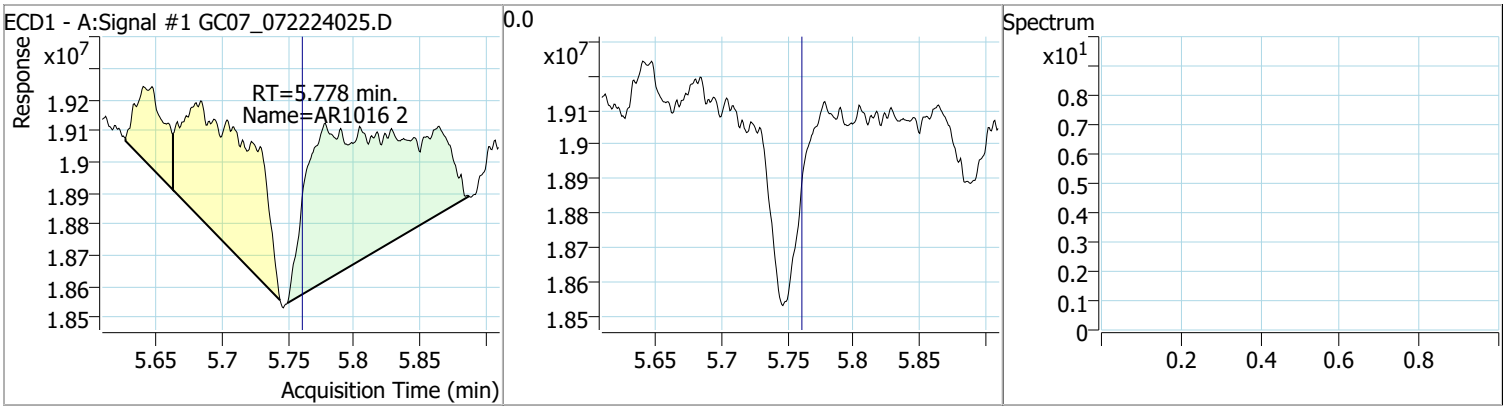
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.9508	5.37	0.00	21386097				



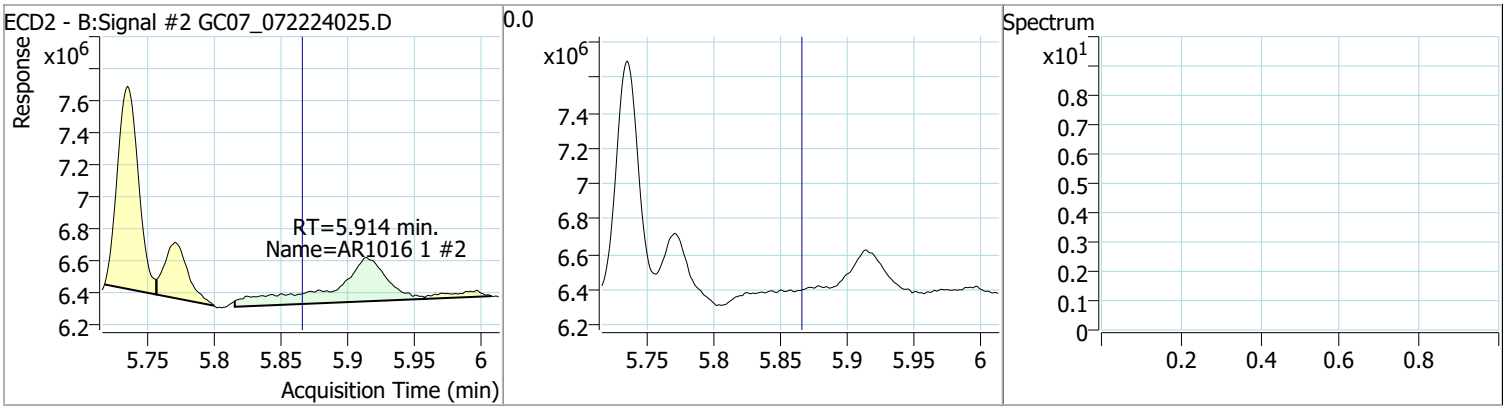
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.4729	5.39	-0.03	979647				



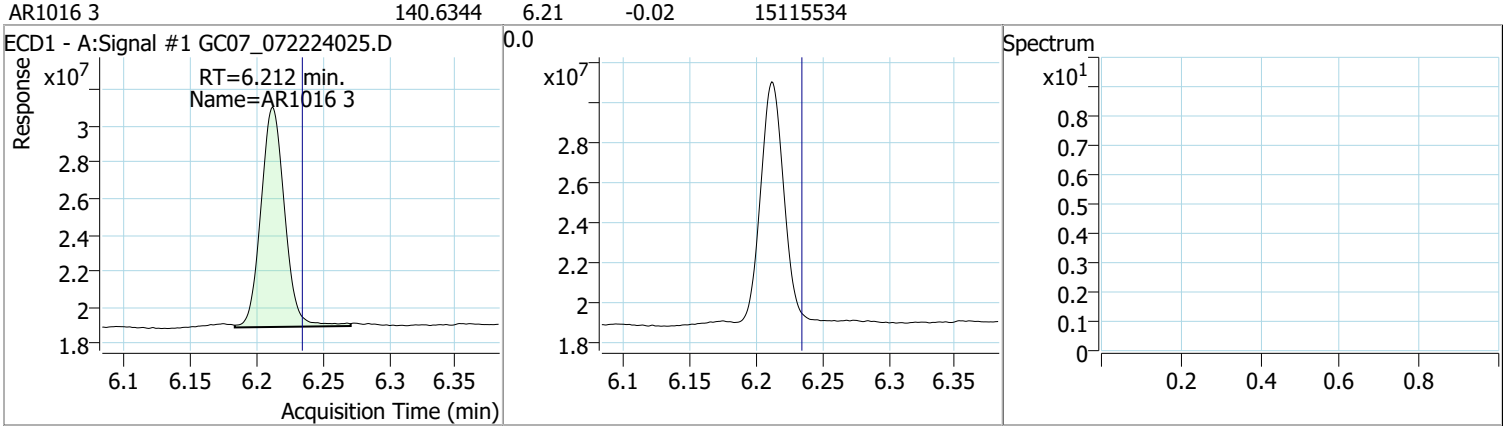
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	30.7178	5.78	0.02	2554448				



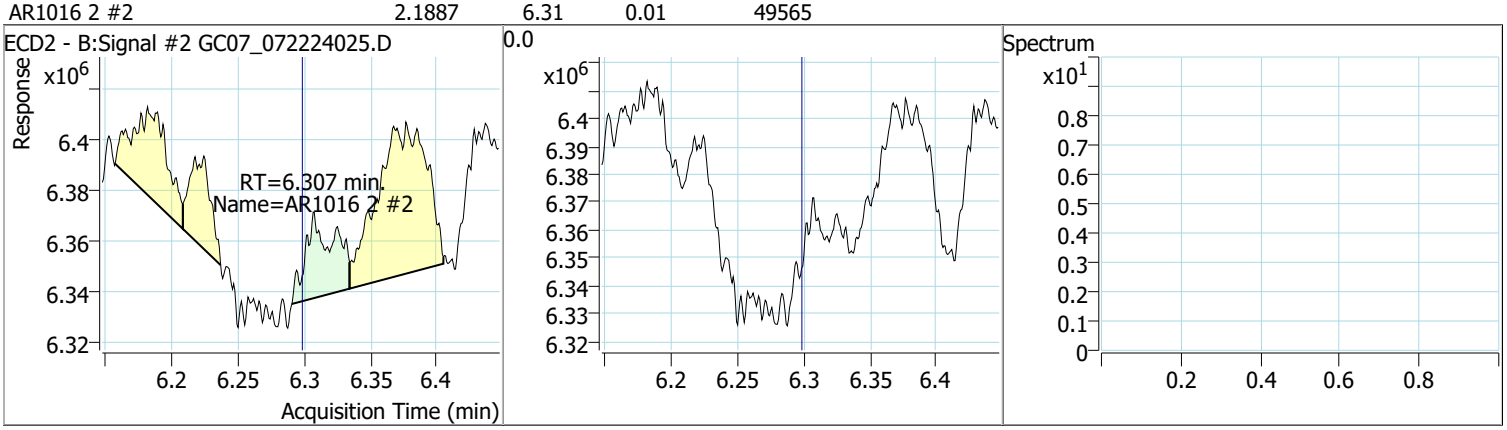
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	74.4556	5.91	0.05	816088				



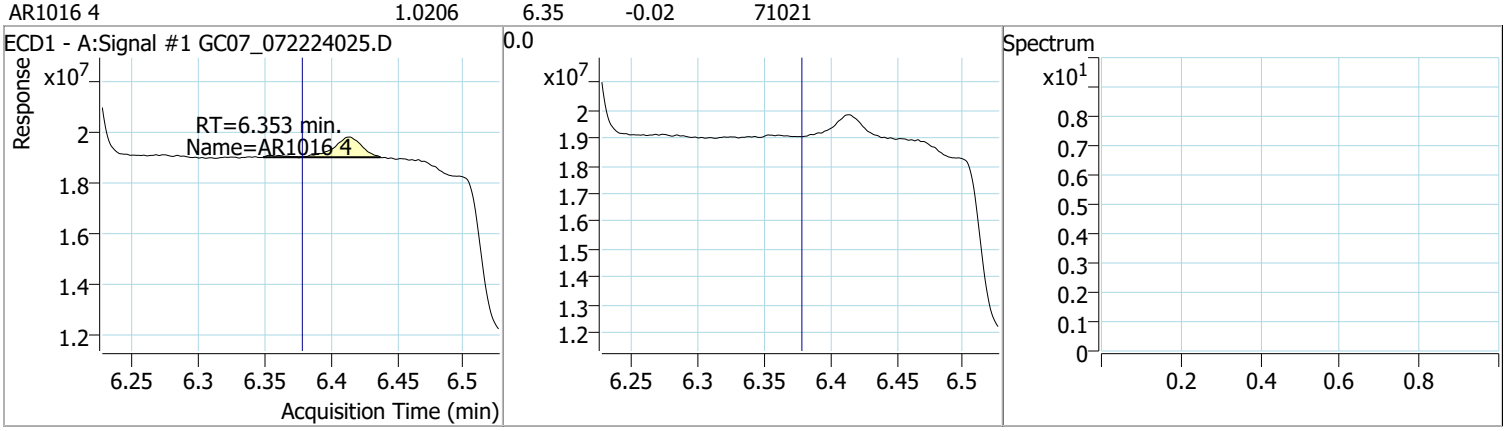
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	140.6344	6.21	-0.02	15115534				



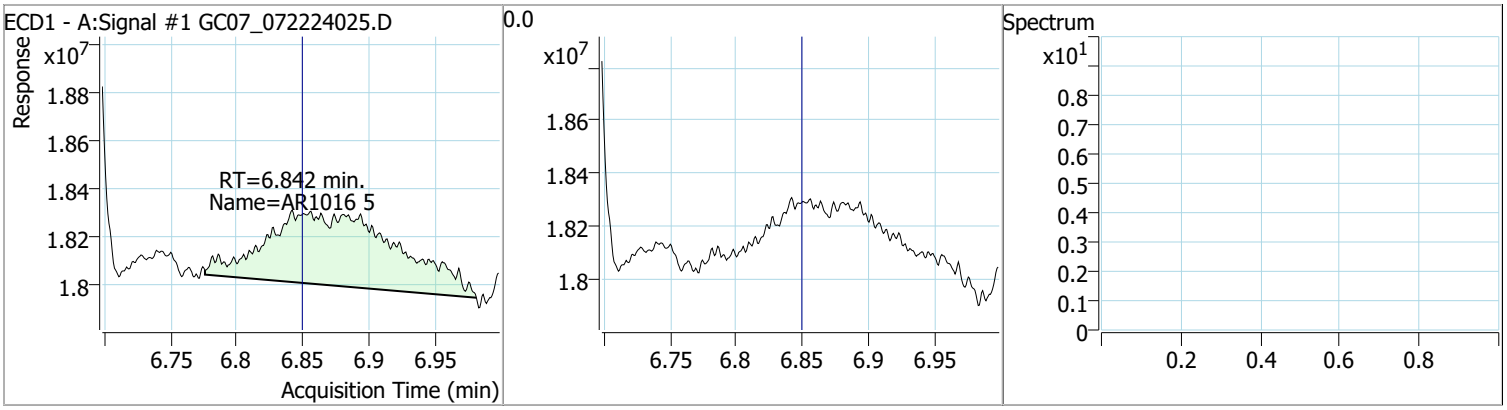
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.1887	6.31	0.01	49565				



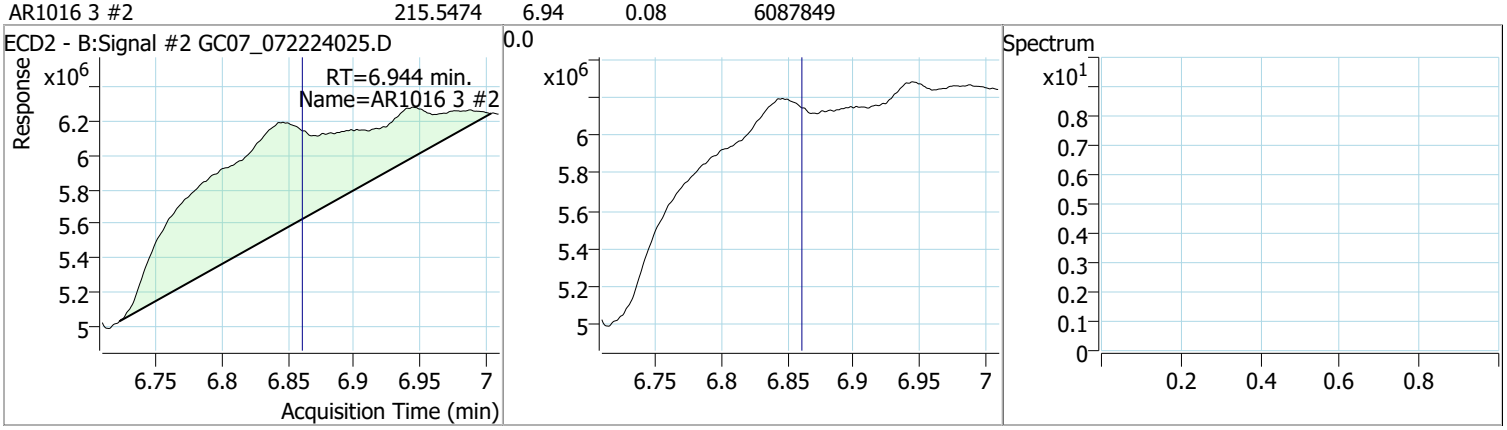
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.0206	6.35	-0.02	71021				



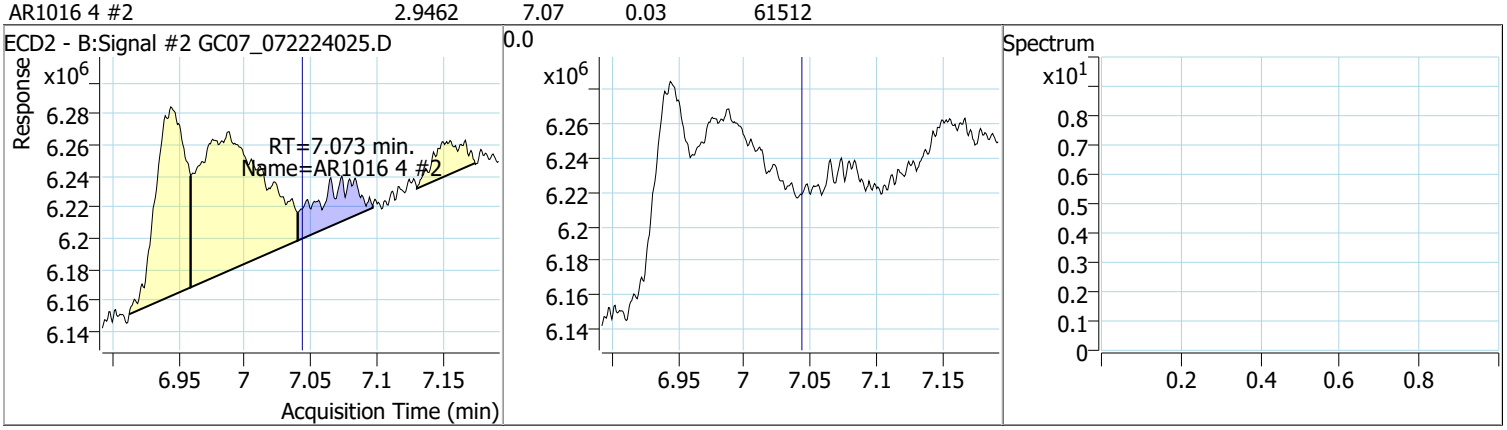
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	34.8235	6.84	-0.01	2129975				



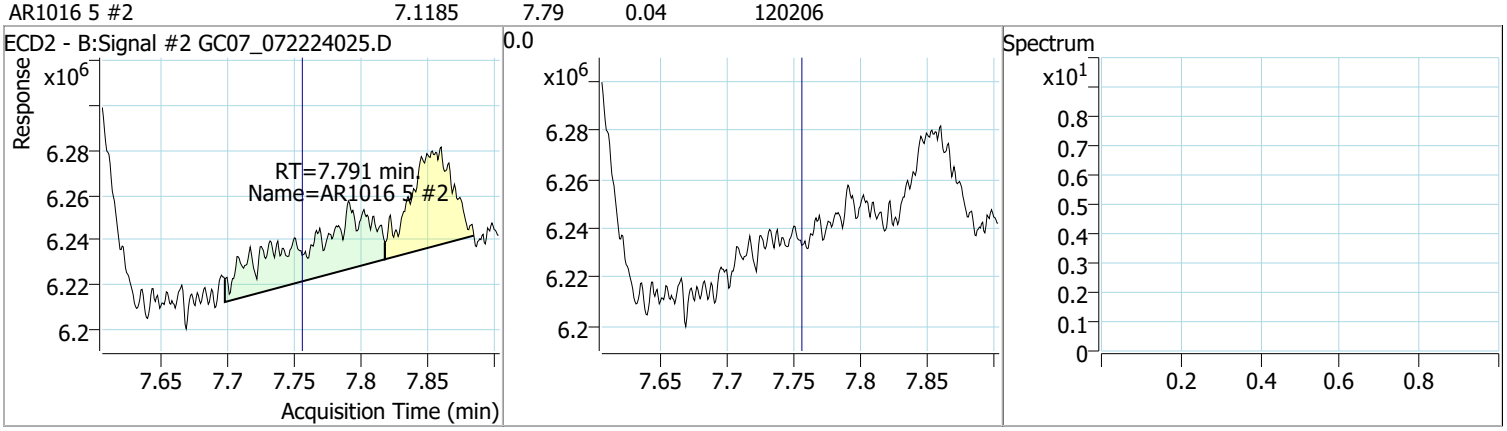
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	215.5474	6.94	0.08	6087849				



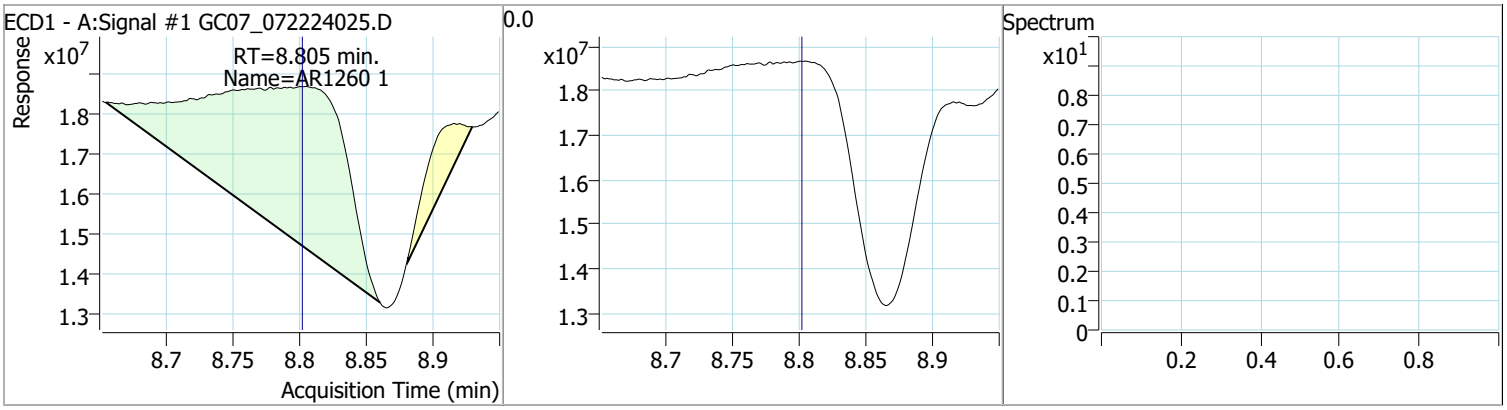
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.9462	7.07	0.03	61512				



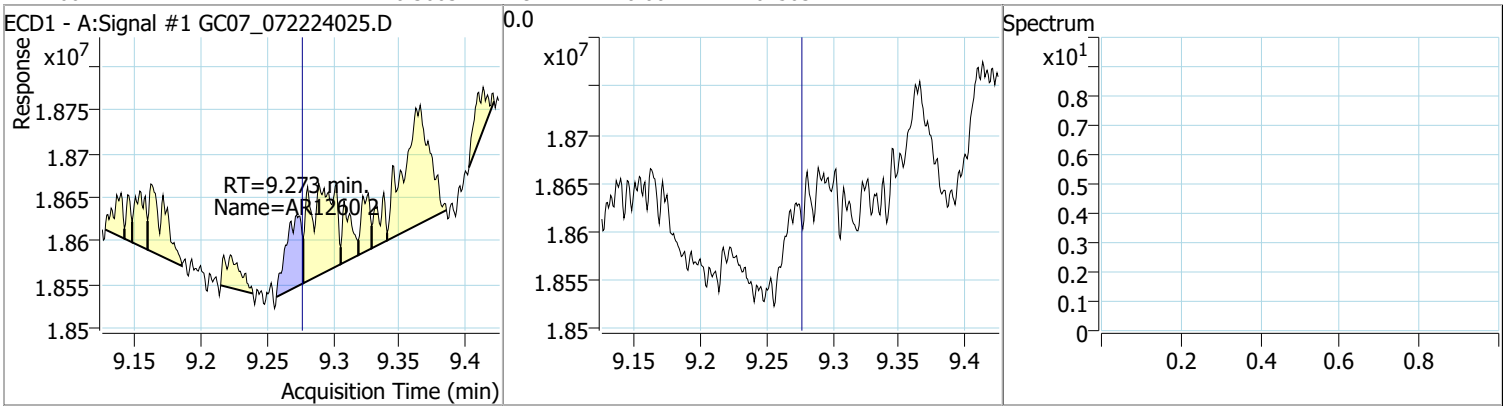
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	7.1185	7.79	0.04	120206				



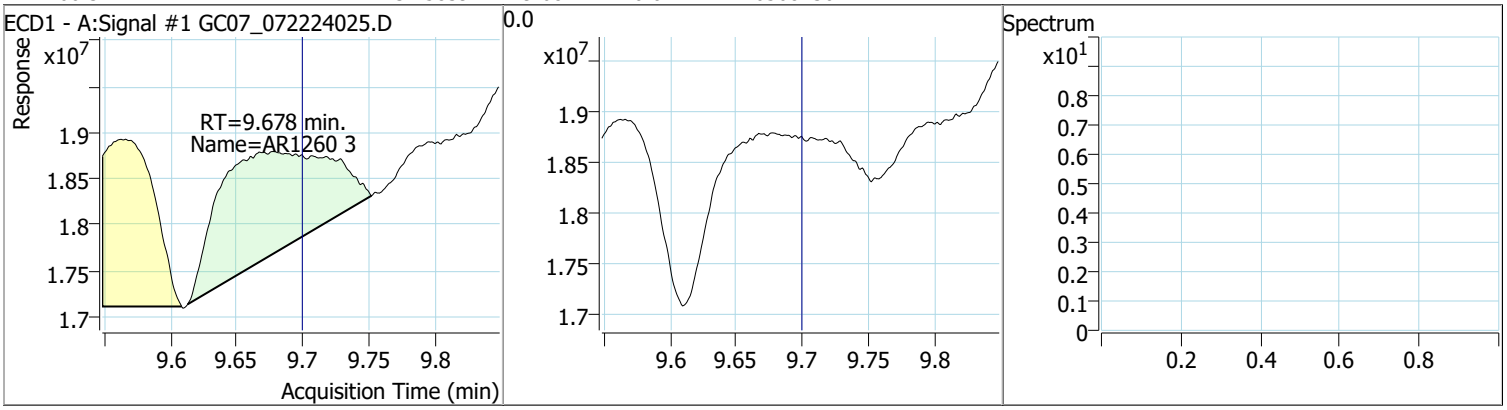
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	220.0235	8.81	0.00	26990799				



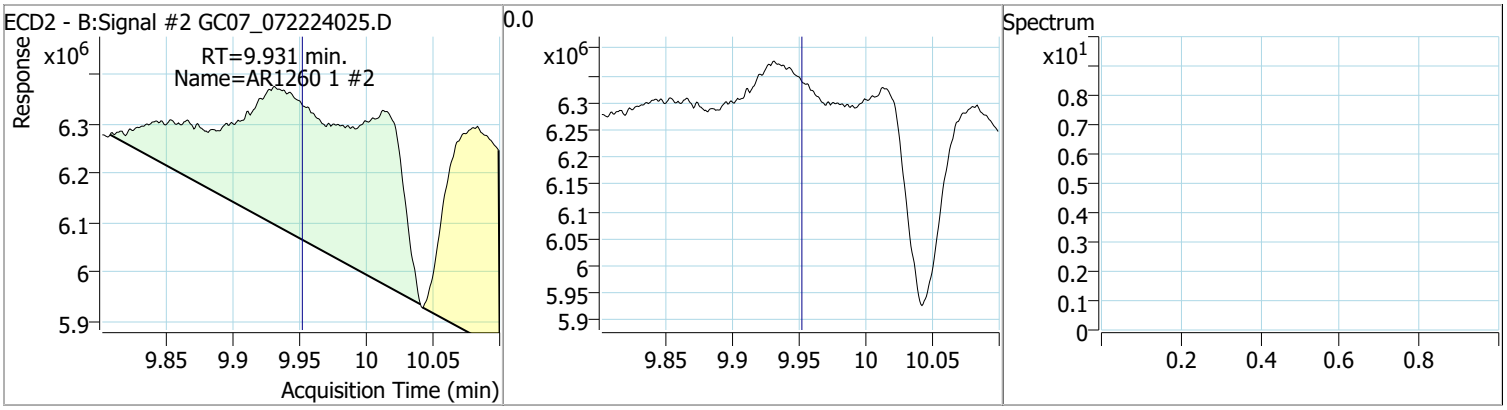
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3603	9.27	0.00	67503				



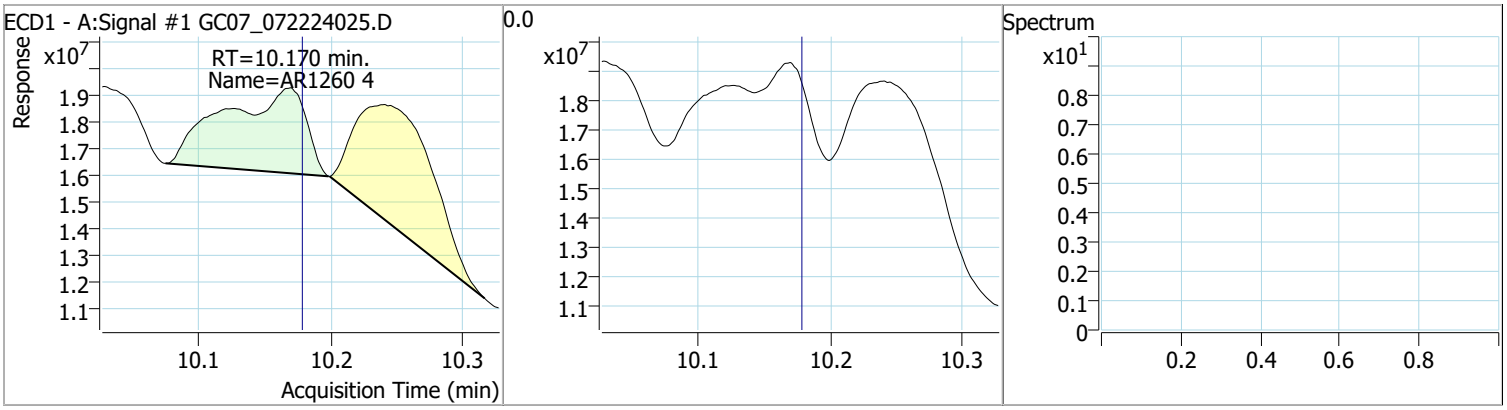
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	32.5839	9.68	-0.02	6568430				



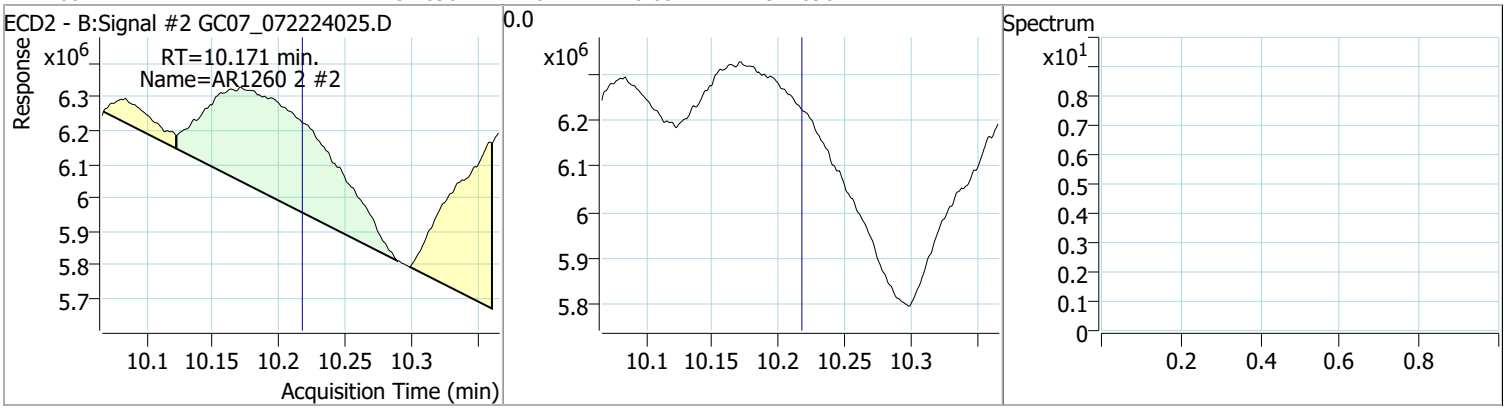
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	88.2917	9.93	-0.02	2651655				



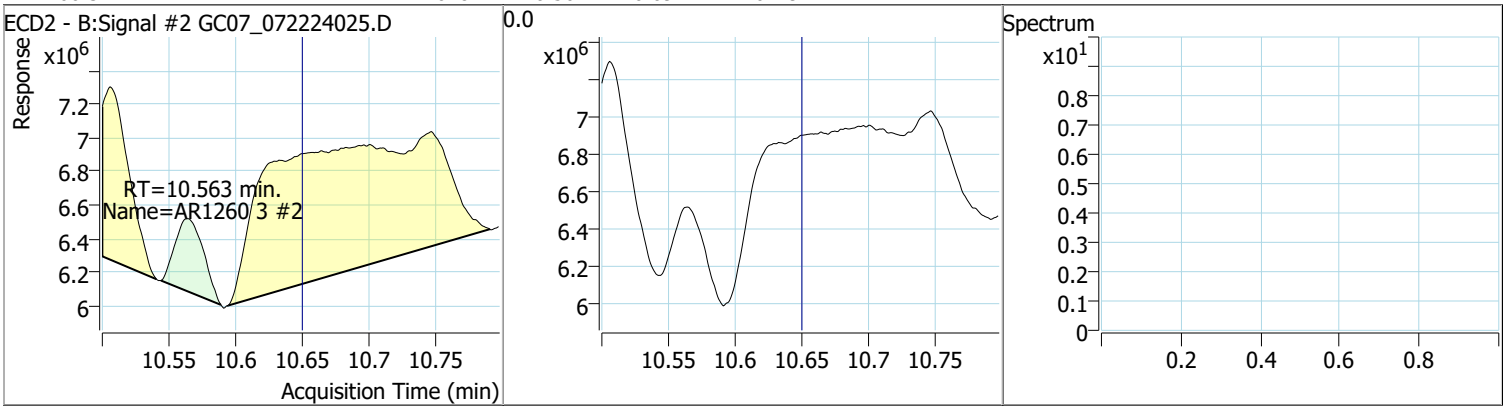
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	116.1415	10.17	-0.01	13535539				



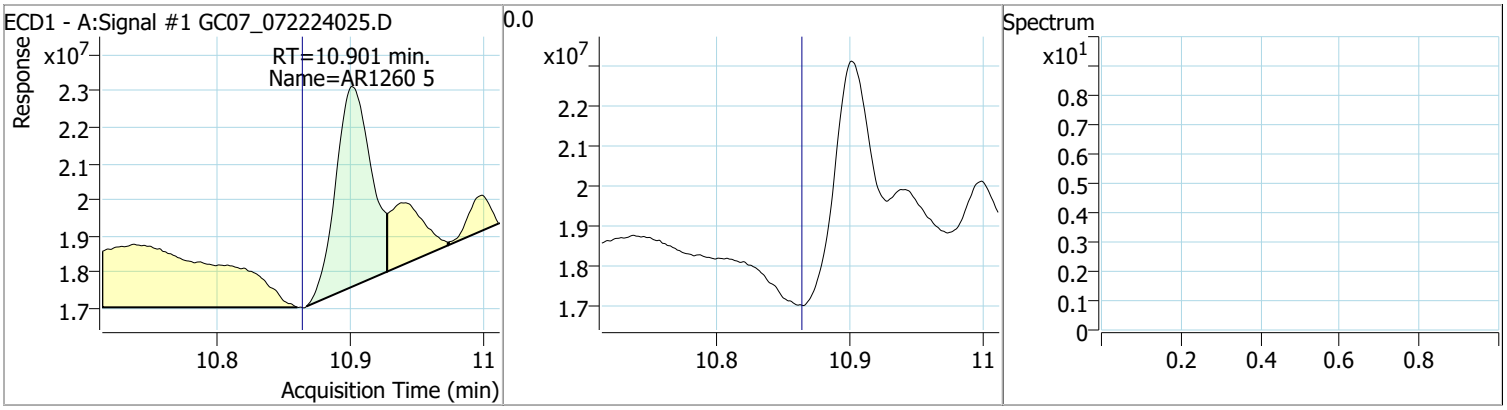
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	51.0981	10.17	-0.05	1927896				



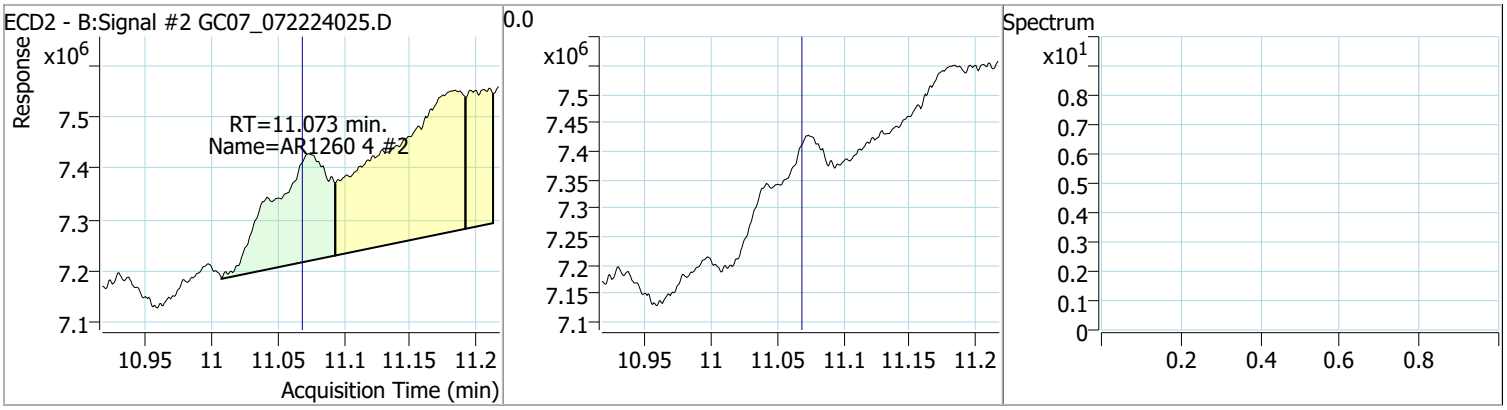
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.2018	10.56	-0.09	644971				



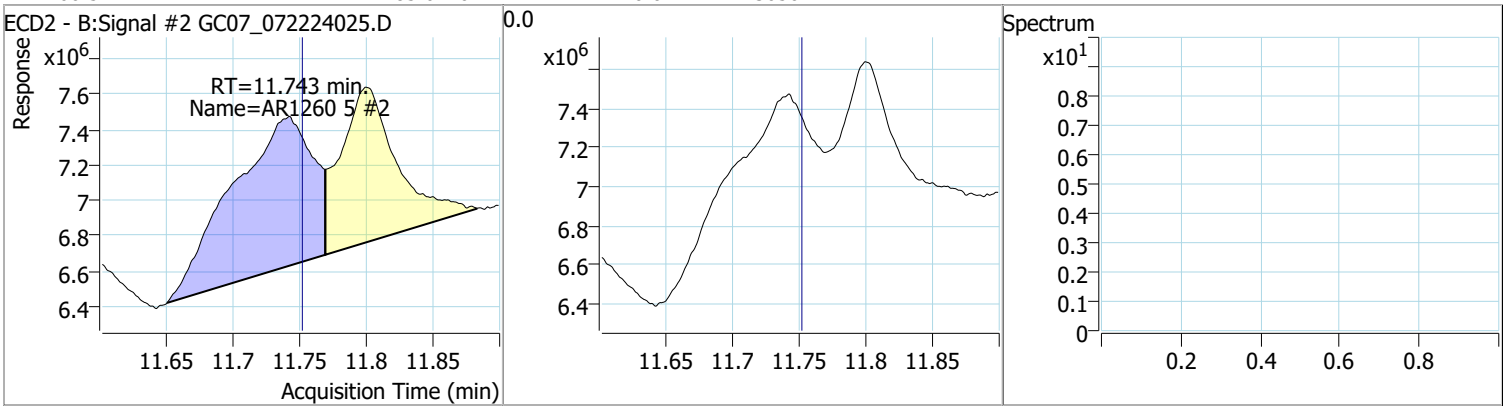
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	73.2427	10.90	0.04	10221488				



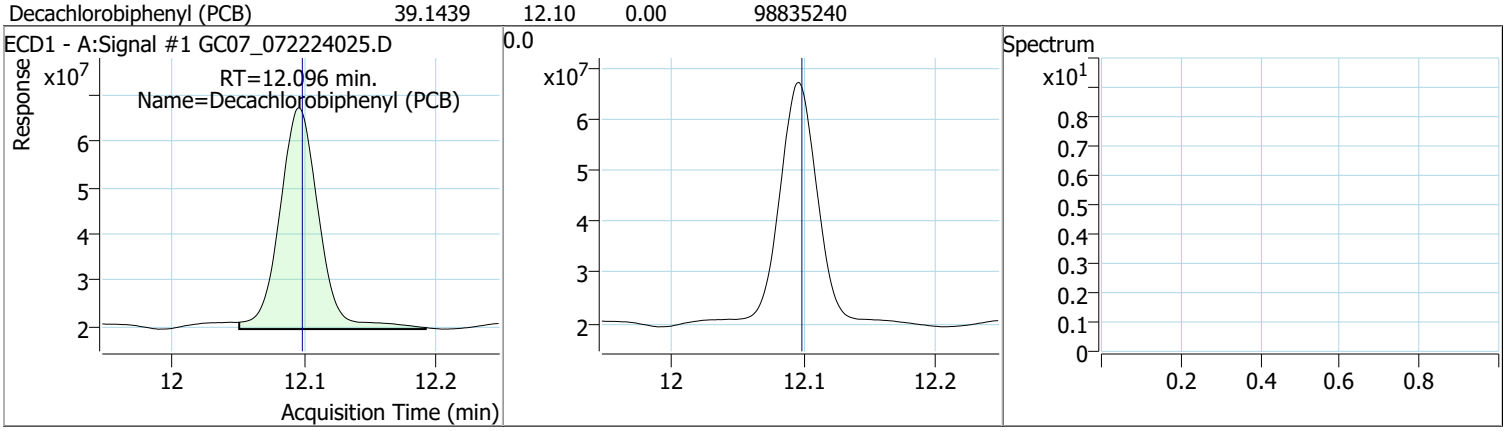
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	21.7106	11.07	0.01	623461				



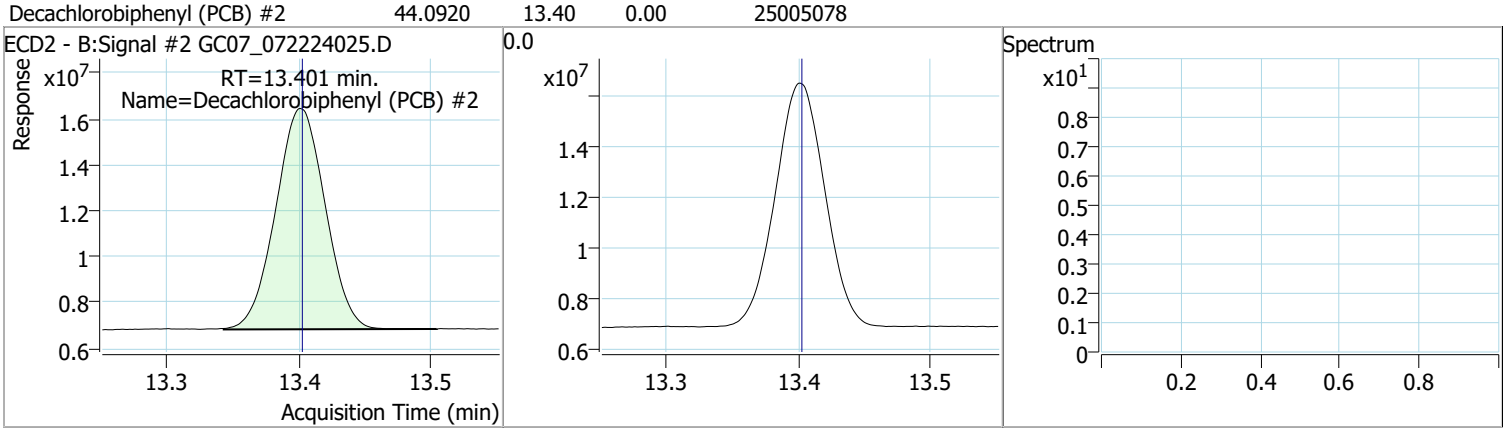
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	85.6220	11.74	-0.01	3650272				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.1439	12.10	0.00	98835240				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.0920	13.40	0.00	25005078				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-004	Client ID:	DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB
Seqnum:	464294361026	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224026	Batch:	345600	Time:	22-JUL-2024 17:02
Cal:	464259633001	Caldate:	28-JUN-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	83.14	ug/L	~~0.83~~ FP	0.82	2%	0.50		x u
Aroclor-1016 Peak # 1	B	175.7	ug/L	1.76	1.89	7%			
Aroclor-1016 Peak # 2	B	12.62	ug/L	0.13	0.18	36%			
Aroclor-1016 Peak # 3	B	204.3	ug/L	2.04	1.50	31%			
Aroclor-1016 Peak # 4	B	5.091	ug/L	0.05	0.11	74%			
Aroclor-1016 Peak # 5	B	18.00	ug/L	0.18	0.41	78%			
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	52.14	ug/L	~~0.52~~ FP	0.80	42%	0.50		x u
Aroclor-1260 Peak # 1	B	71.49	ug/L	0.71	2.09	98%			
Aroclor-1260 Peak # 2	B	54.63	ug/L	0.55	0.02	189%			
Aroclor-1260 Peak # 3	B	12.53	ug/L	0.13	0.29	78%			
Aroclor-1260 Peak # 4	B	6.676	ug/L	0.07	1.25	180%			
Aroclor-1260 Peak # 5	B	115.4	ug/L	1.15	0.33	110%			
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	44.68	pg/uL	0.5000	0.4468	89	19-121	u
Decachlorobiphenyl (PCB)	B	45.89	pg/uL	0.5000	0.4589	92	19-121	c+ u

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

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10421978	-4.96
1-bromo-2-nitrobenzene (PCB)	A	47936344	43549776	-9.15

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	12686726	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.44	**???**	

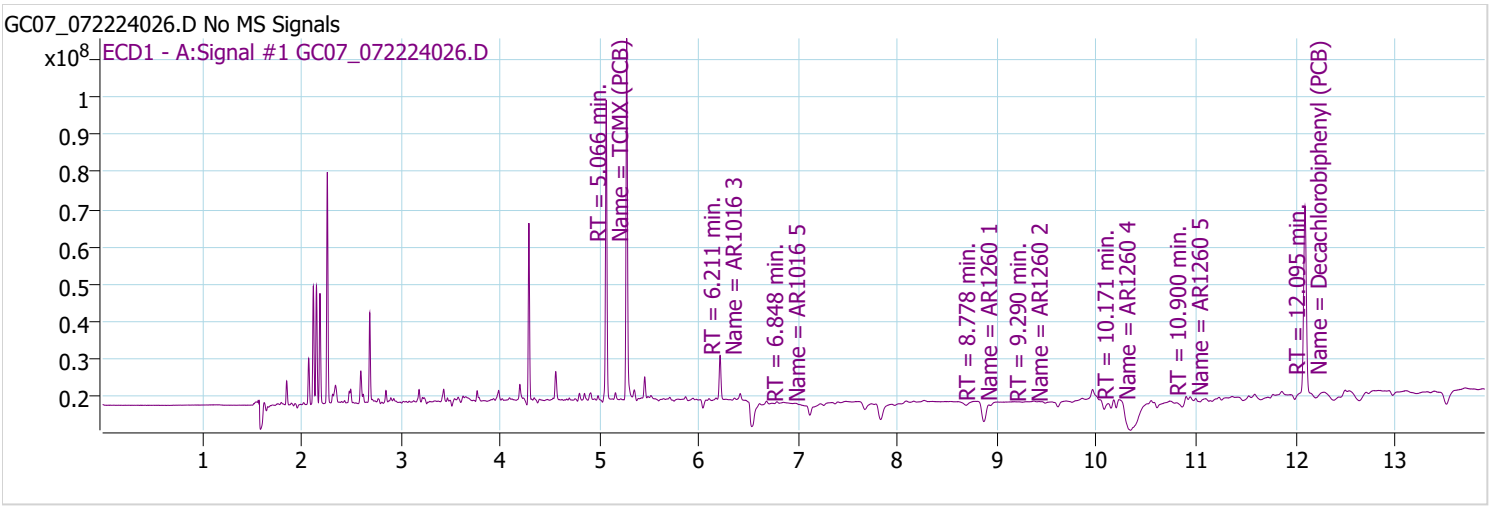
07/23/24 : WIPE/1dm3-10ML

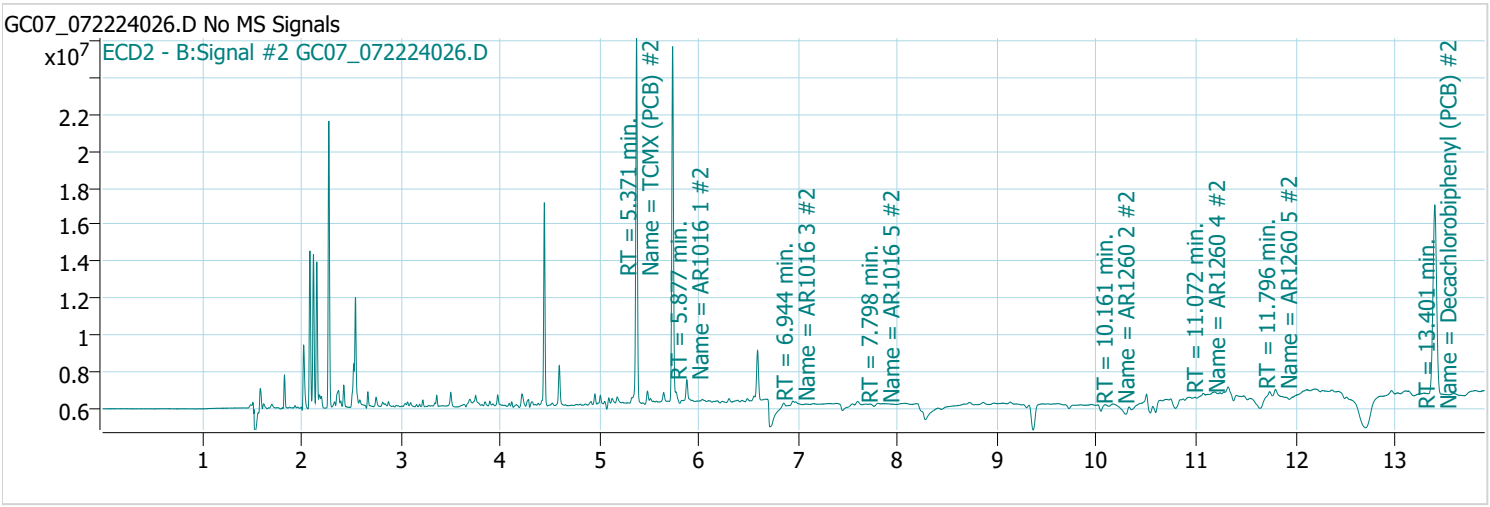
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 5:02:47 PM
Sample Name	512356-004, 345600, 1	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



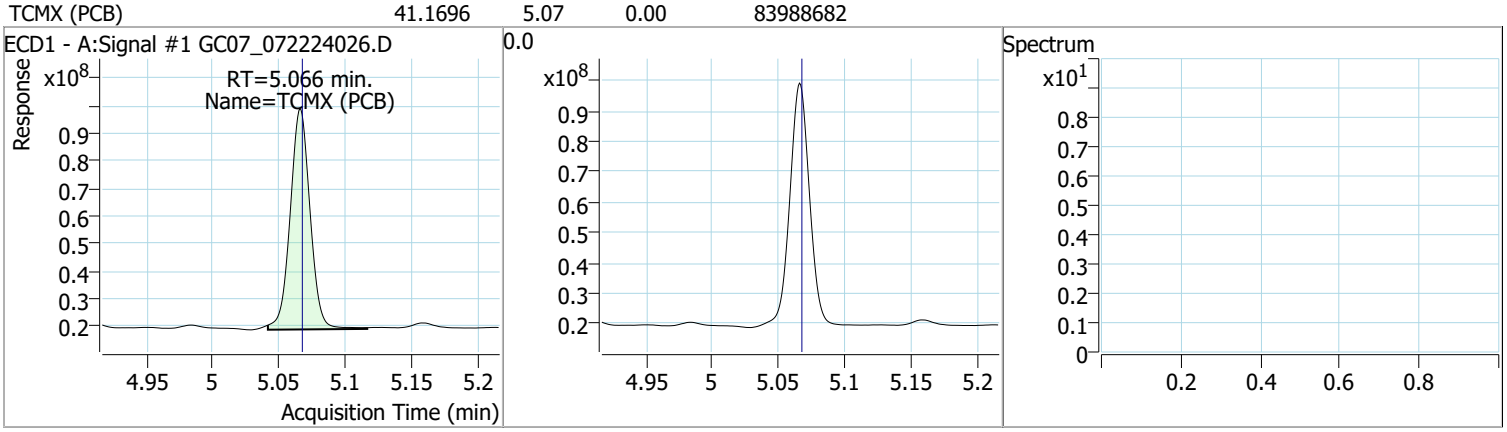


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	43549775.857	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10421977.533	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.066	0.0	83988681.847	41.1696	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.85%		*	
S TCMX (PCB) #2	5.371	0.0	22336695.888	44.6832	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.42%		*	
S Decachlorobiphenyl (PCB)	12.095	0.0	98523856.608	41.0330	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.17%		*	
S Decachlorobiphenyl (PCB) #2	13.401	0.0	26129918.243	45.8940	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.47%		*	
Target Compounds							QValue

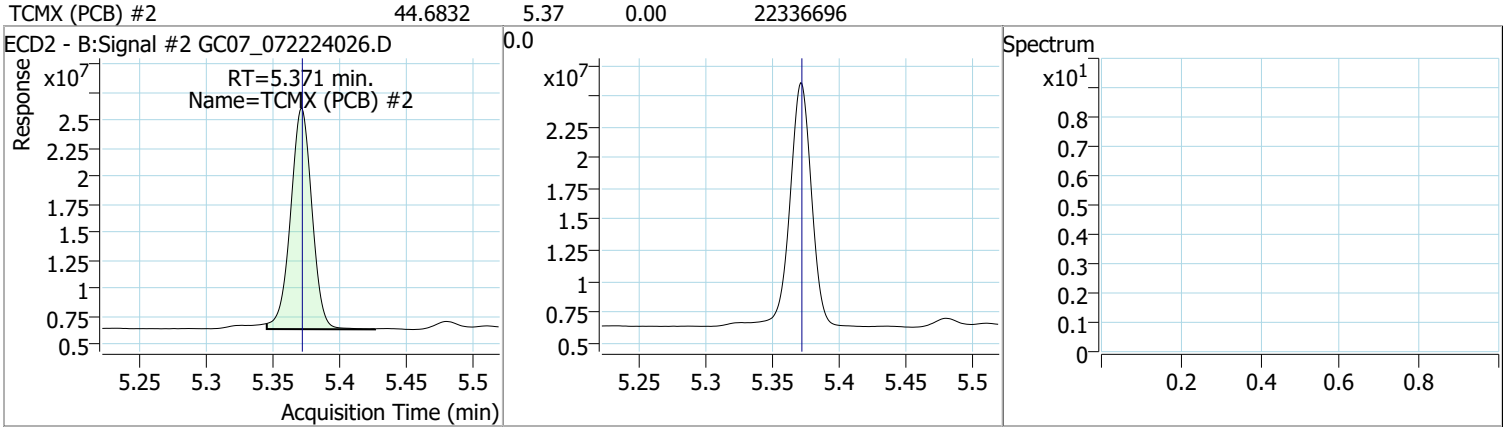
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	7189449.250	188.8648	ng/ml	100
T AR1016 2	5.791	0.0	1440633.835	18.2174	ng/ml	100
T AR1016 1 #2	5.877	0.0	1933740.800	175.7293	ng/ml	100
T AR1016 3	6.211	0.0	15192002.655	149.8271	ng/ml	100
T AR1016 2 #2	6.300	0.0	286857.592	12.6173	ng/ml	100
T AR1016 4	6.357	0.0	734773.095	11.1041	ng/ml	100
T AR1016 5	6.848	0.0	2377189.851	40.8697	ng/ml	100
T AR1016 3 #2	6.944	0.0	5792418.988	204.2795	ng/ml	100
T AR1016 4 #2	7.079	0.0	106715.690	5.0911	ng/ml	100
T AR1016 5 #2	7.798	0.0	305214.937	18.0035	ng/ml	100
T AR1260 1	8.778	0.0	24412061.896	209.2654	ng/ml	100
T AR1260 2	9.290	0.0	268005.318	1.5042	ng/ml	100
T AR1260 3	9.688	0.0	5473121.435	28.5506	ng/ml	100
T AR1260 1 #2	9.949	0.0	2155687.119	71.4948	ng/ml	100
T AR1260 4	10.171	0.0	13891110.142	125.3397	ng/ml	100
T AR1260 2 #2	10.161	0.0	2069259.243	54.6288	ng/ml	100
T AR1260 3 #2	10.563	0.0	571379.471	12.5318	ng/ml	100
T AR1260 5	10.900	0.0	4421349.612	33.3154	ng/ml	100
T AR1260 4 #2	11.072	0.0	192474.983	6.6761	ng/ml	100
T AR1260 5 #2	11.796	0.0	4937247.260	115.3536	ng/ml	100

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

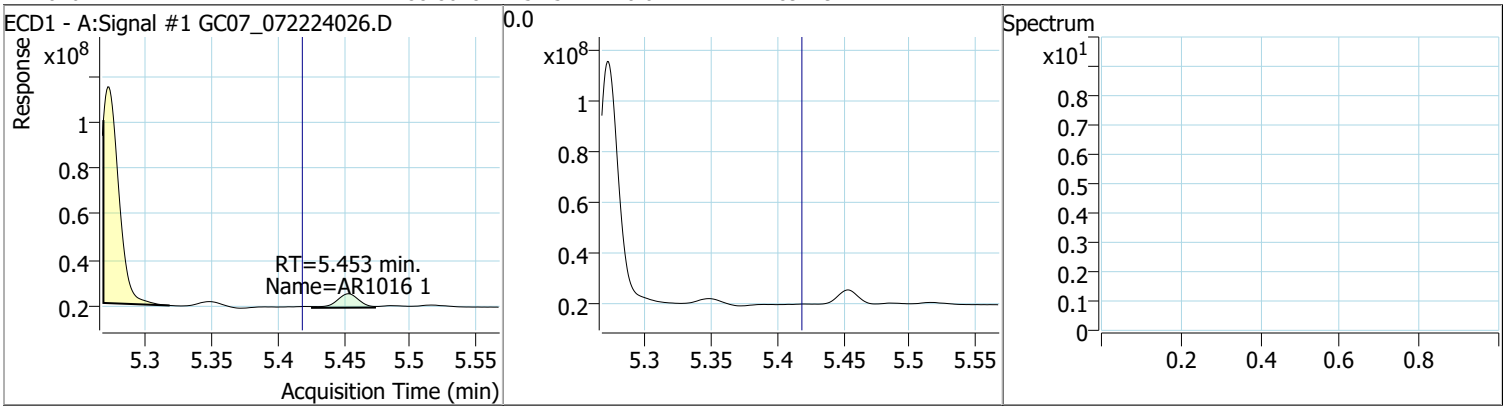
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.1696	5.07	0.00	83988682				



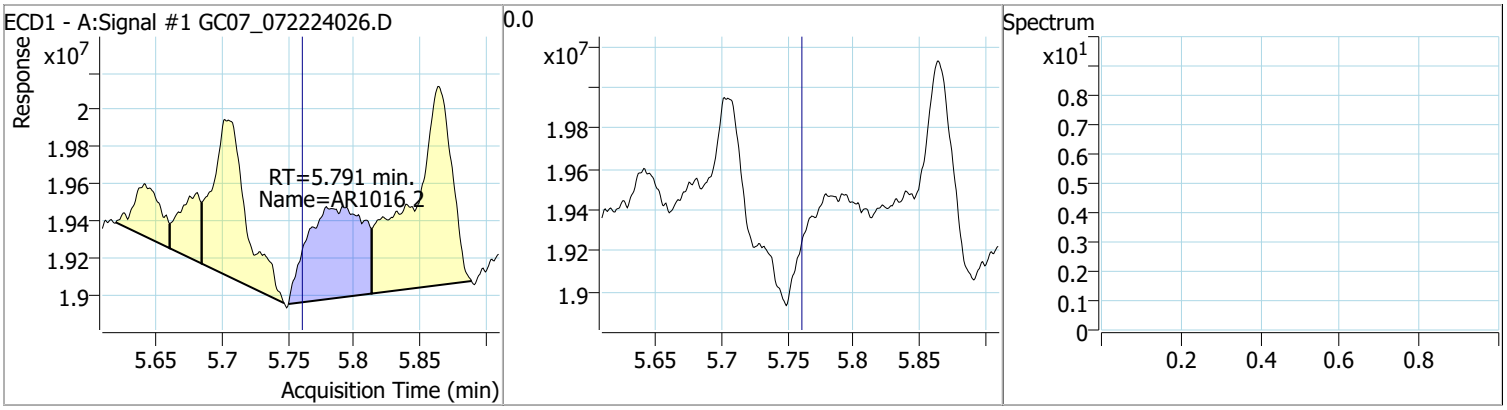
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.6832	5.37	0.00	22336696				



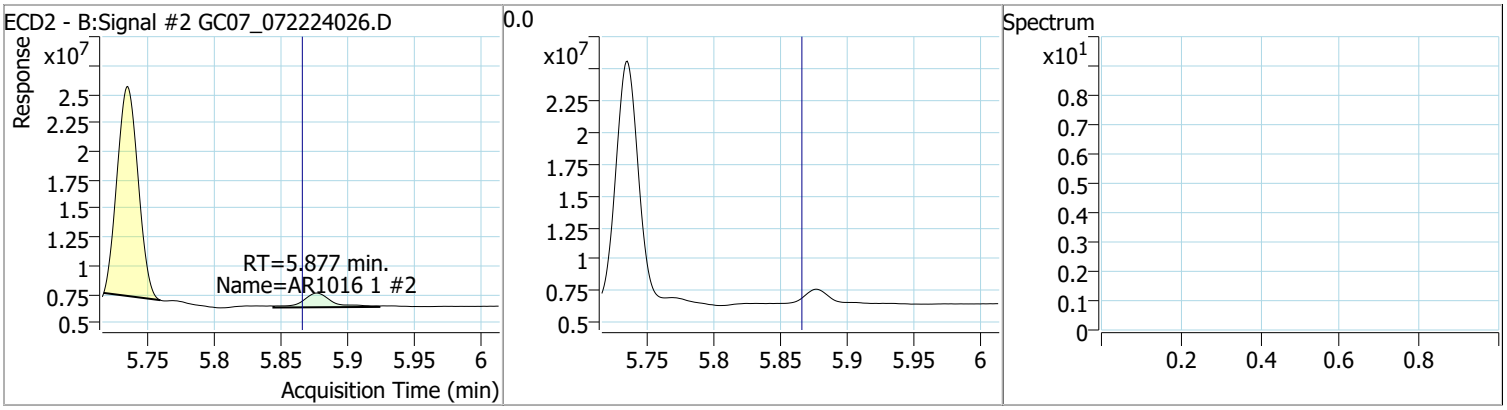
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	188.8648	5.45	0.04	7189449				



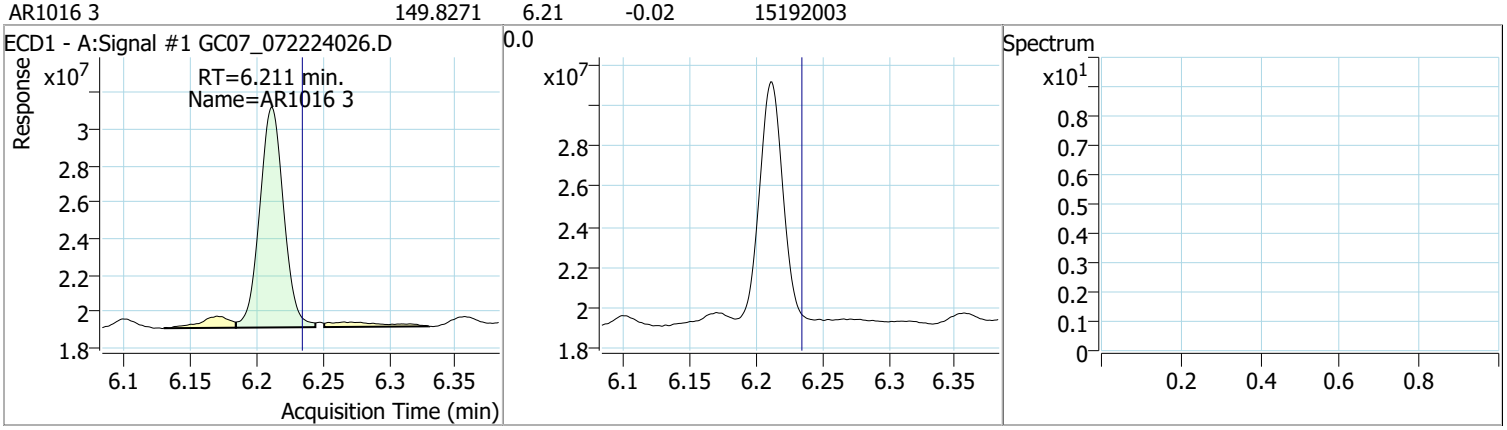
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.2174	5.79	0.03	1440634				



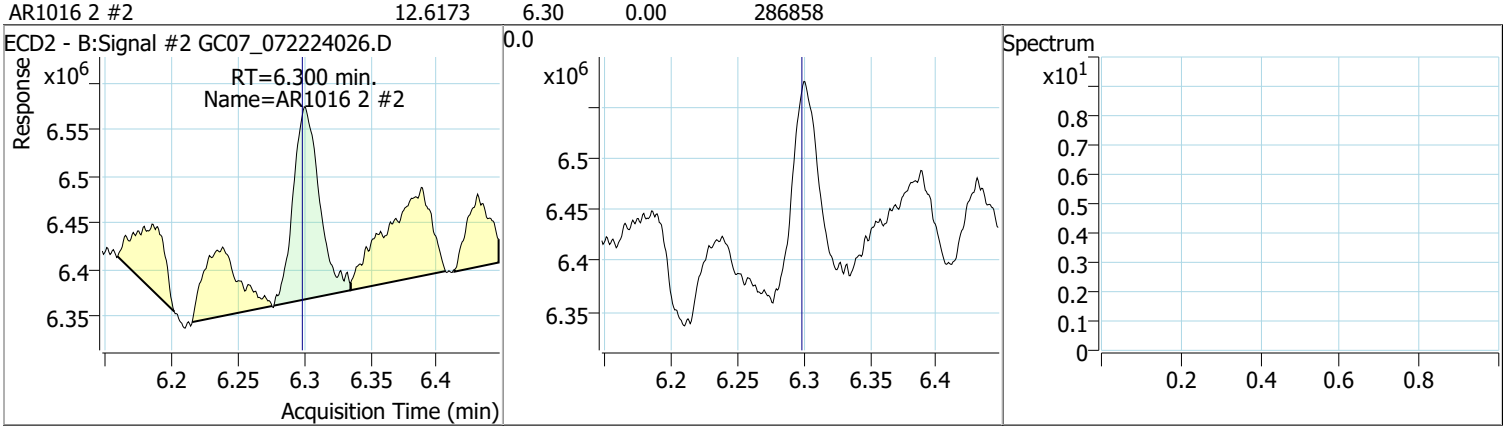
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	175.7293	5.88	0.01	1933741				



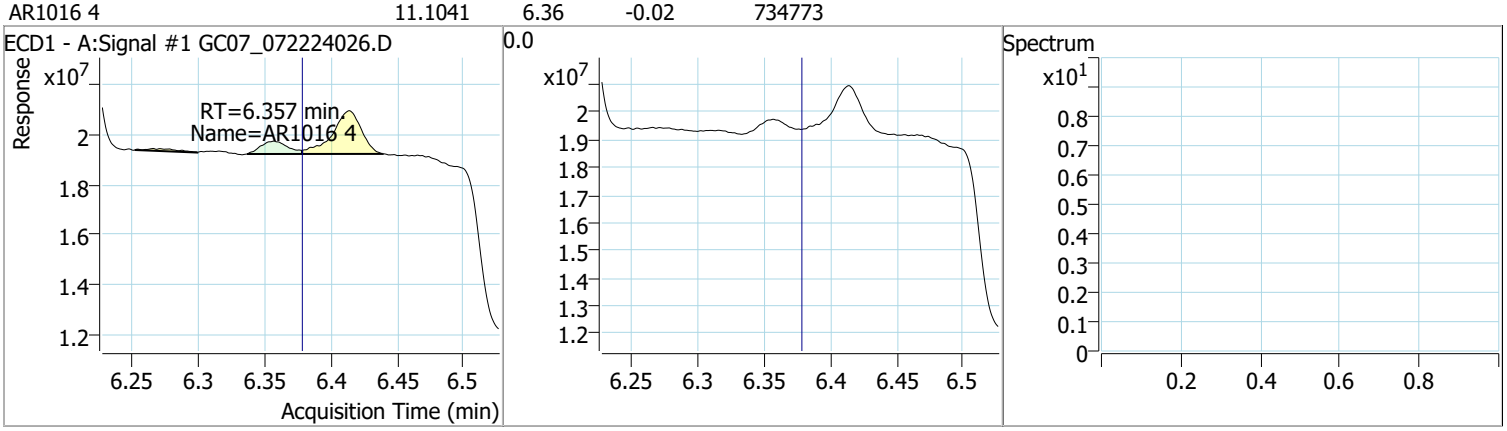
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	149.8271	6.21	-0.02	15192003				



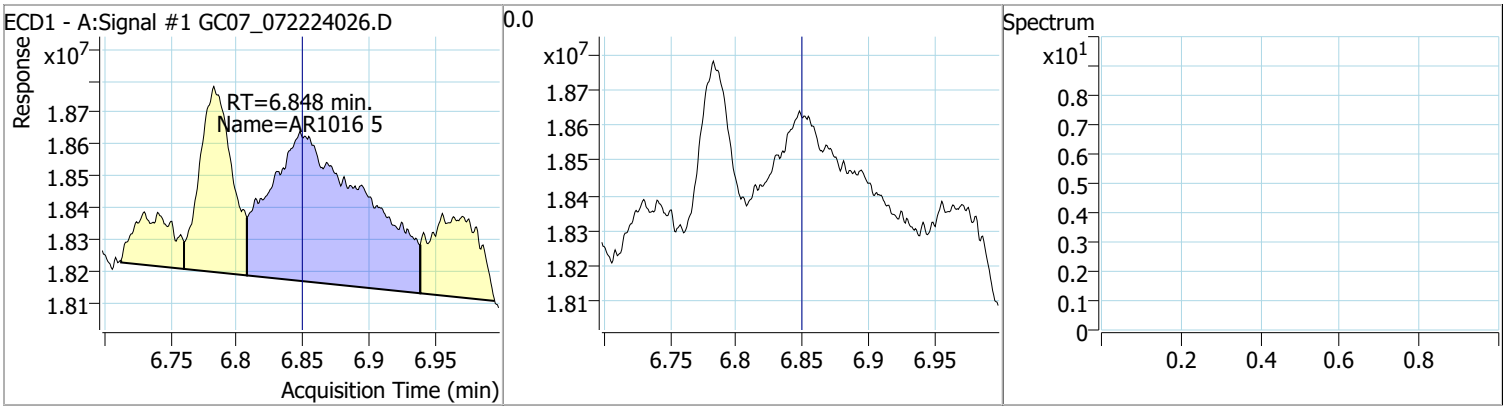
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.6173	6.30	0.00	286858				



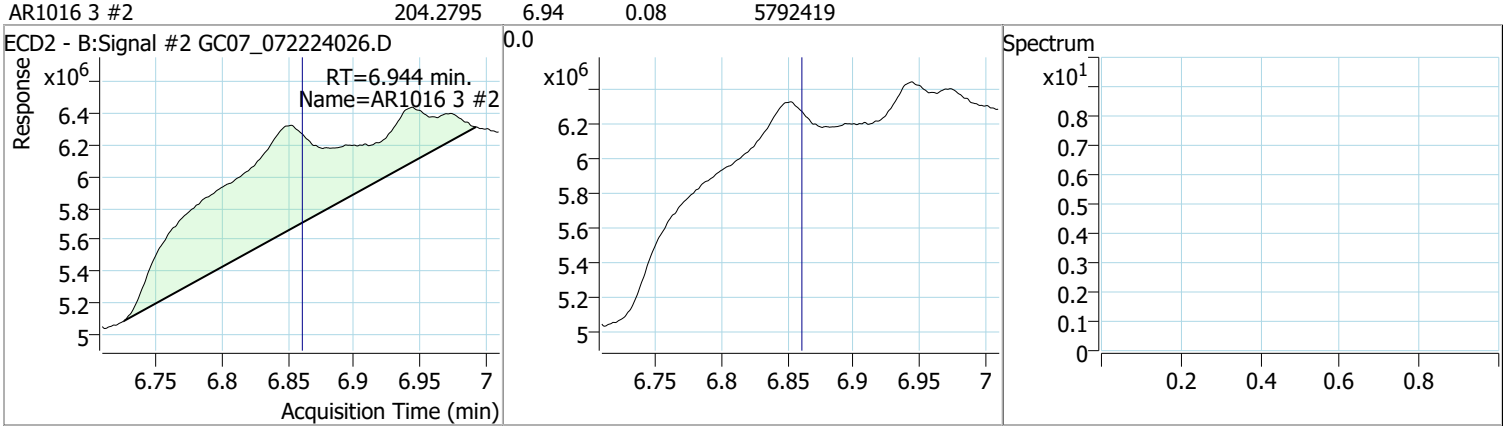
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.1041	6.36	-0.02	734773				



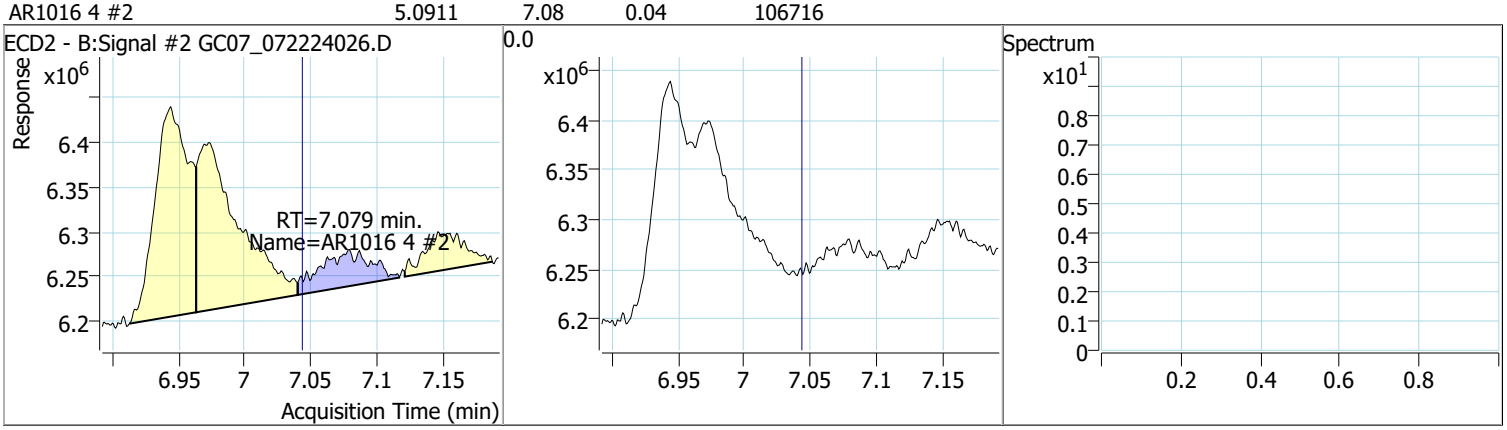
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	40.8697	6.85	0.00	2377190				



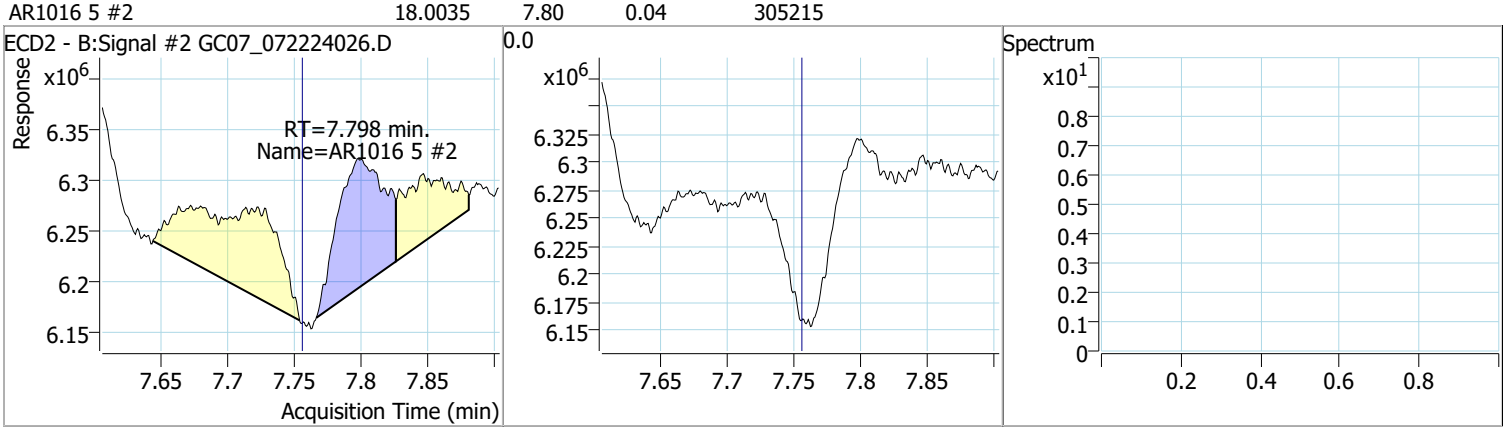
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	204.2795	6.94	0.08	5792419				



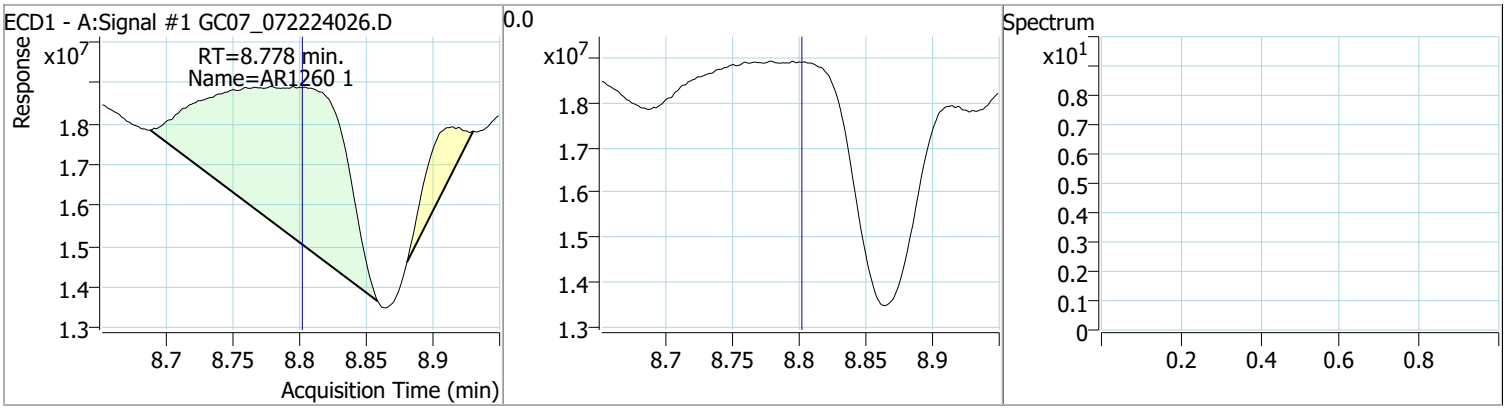
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.0911	7.08	0.04	106716				



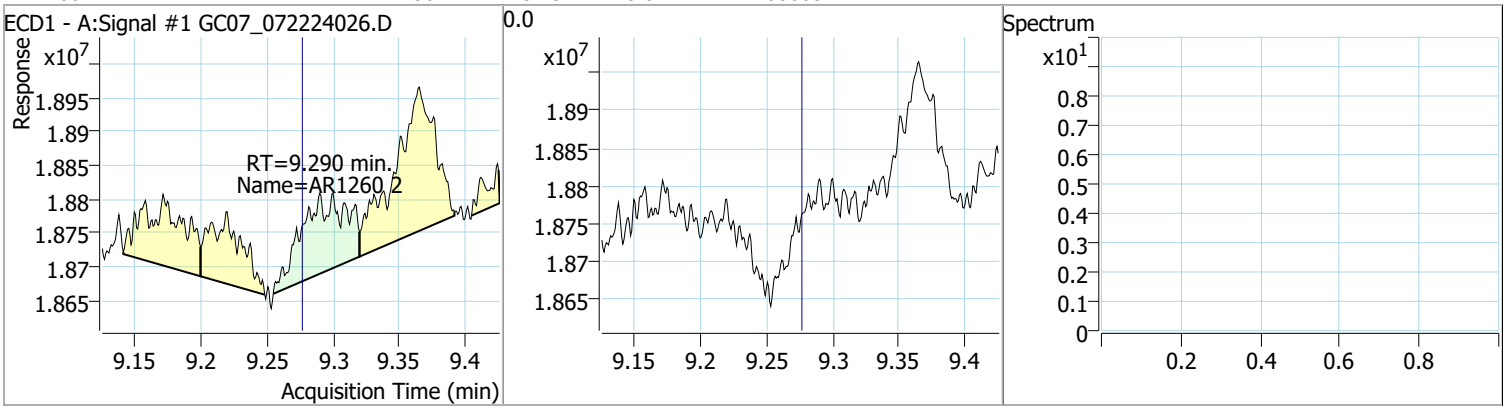
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	18.0035	7.80	0.04	305215				



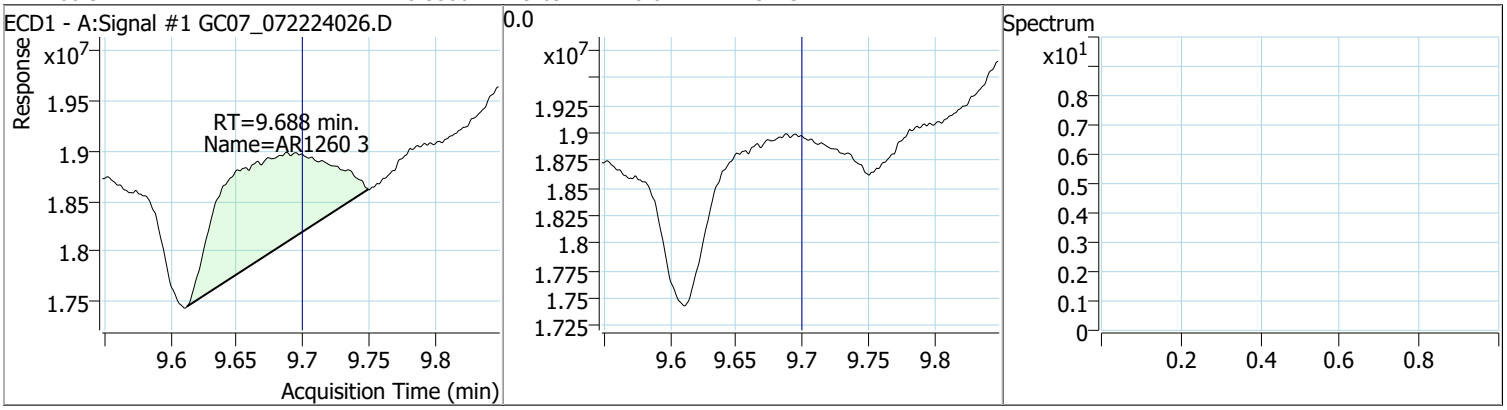
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	209.2654	8.78	-0.02	24412062				



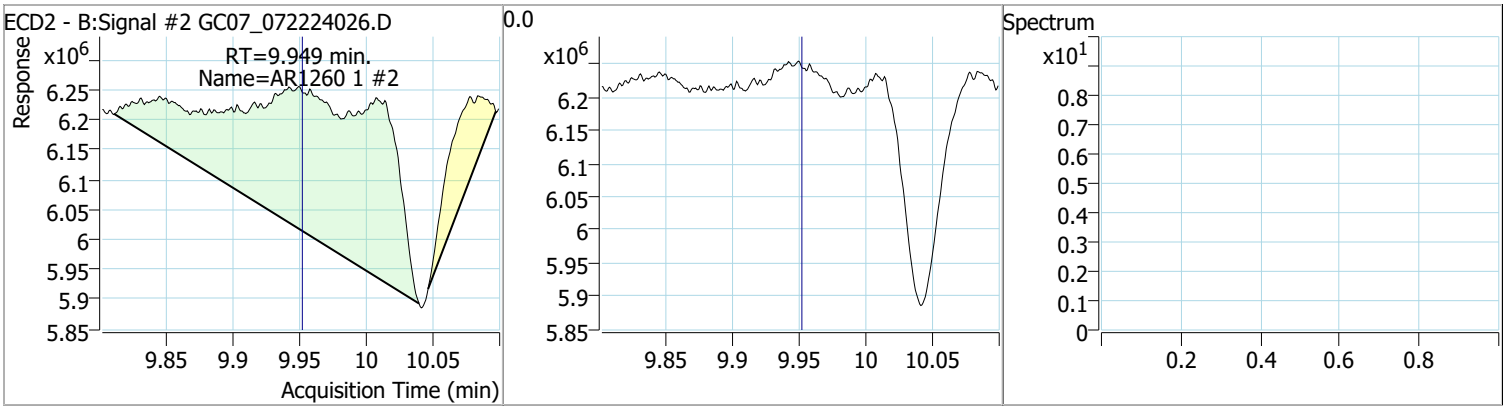
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.5042	9.29	0.01	268005				



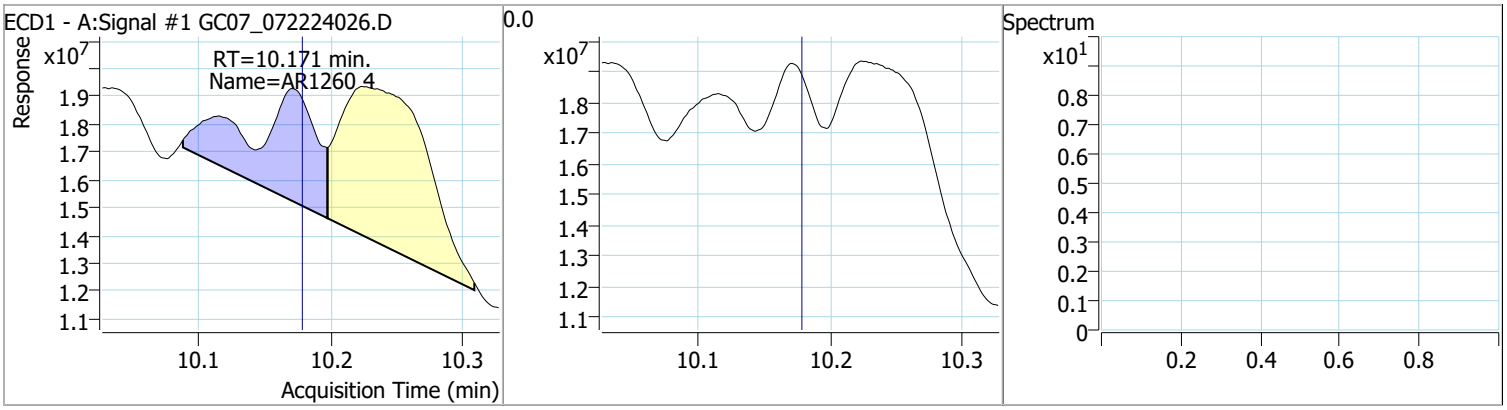
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	28.5506	9.69	-0.01	5473121				



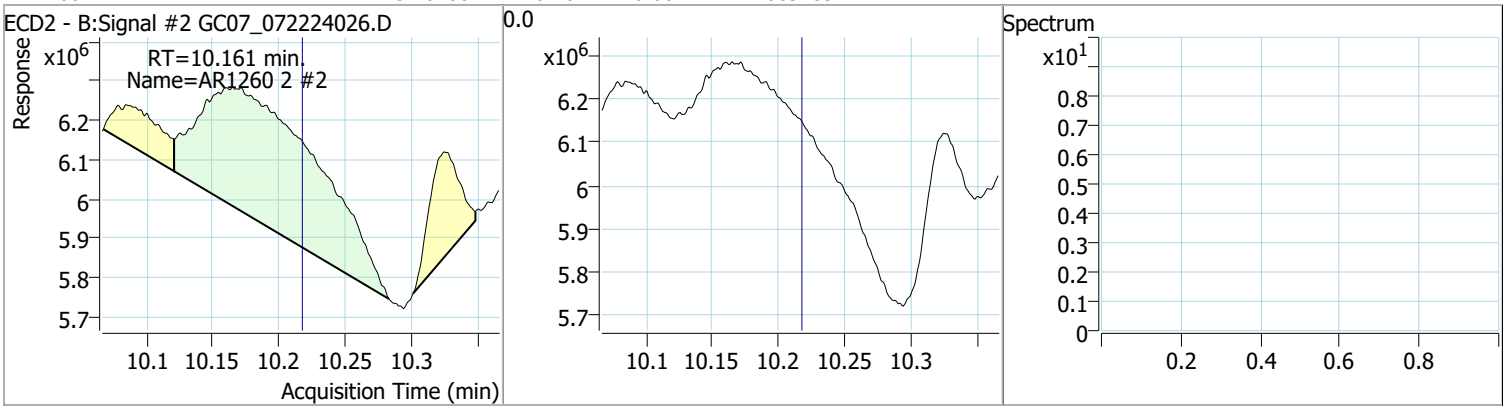
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	71.4948	9.95	0.00	2155687				



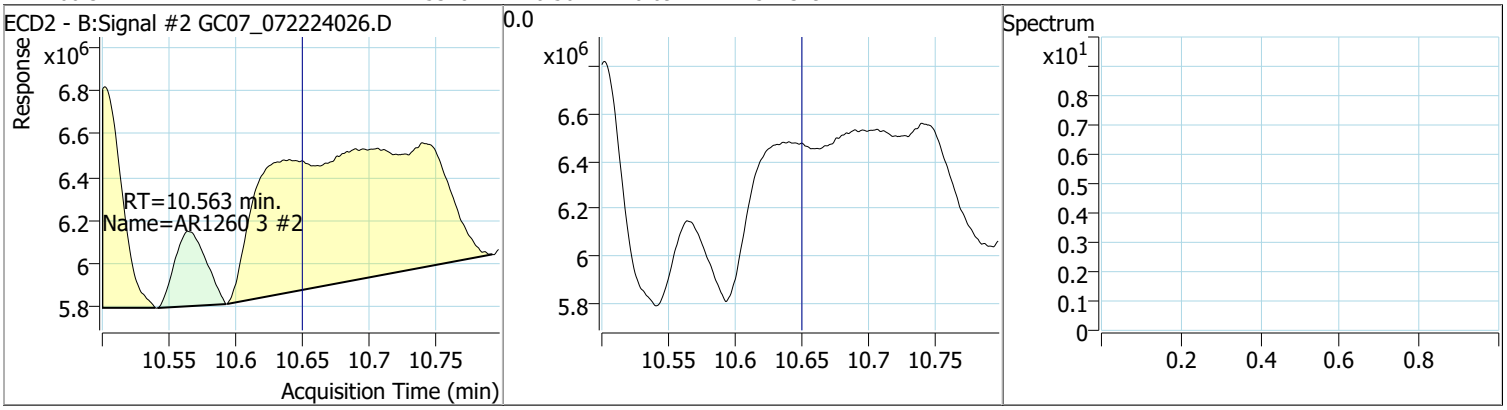
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	125.3397	10.17	-0.01	13891110				



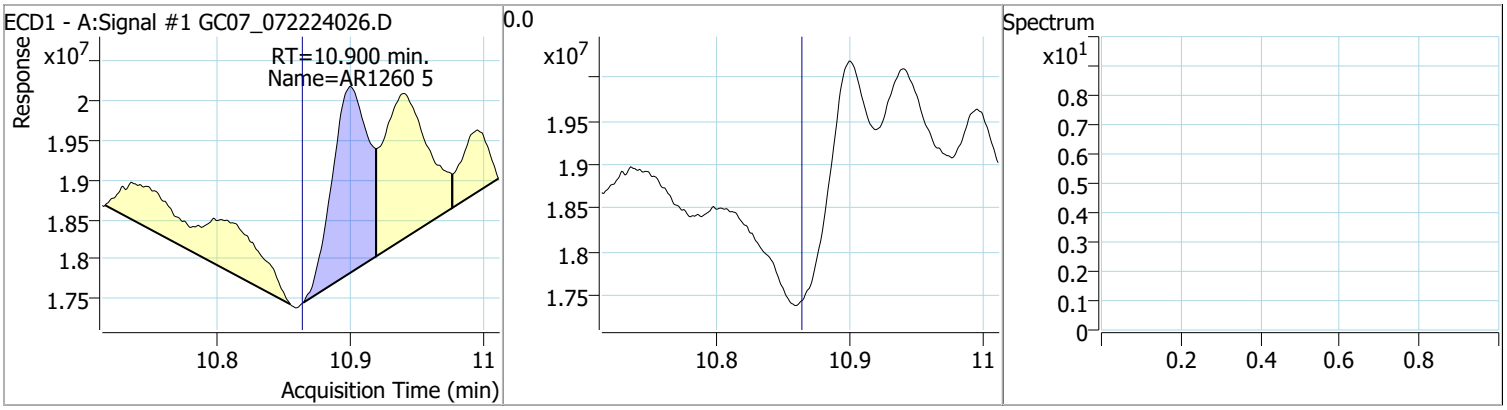
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	54.6288	10.16	-0.06	2069259				



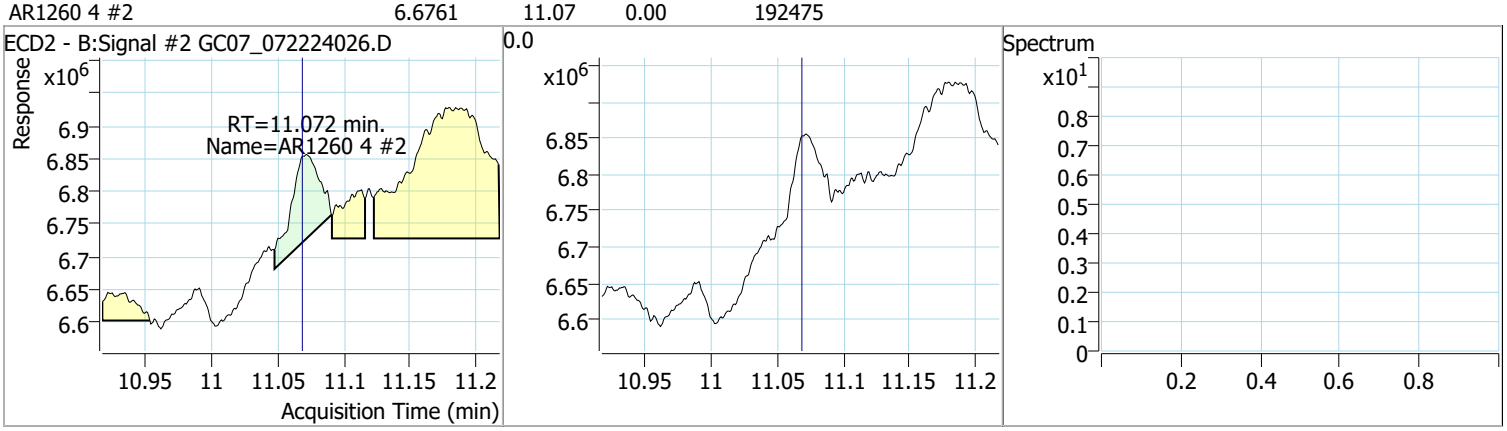
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.5318	10.56	-0.09	571379				



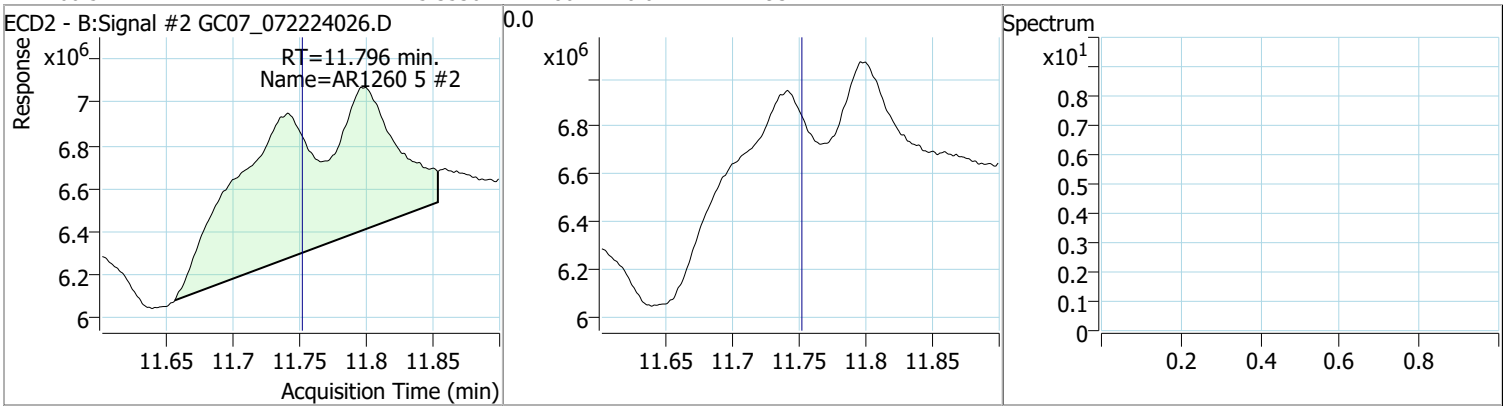
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	33.3154	10.90	0.04	4421350				



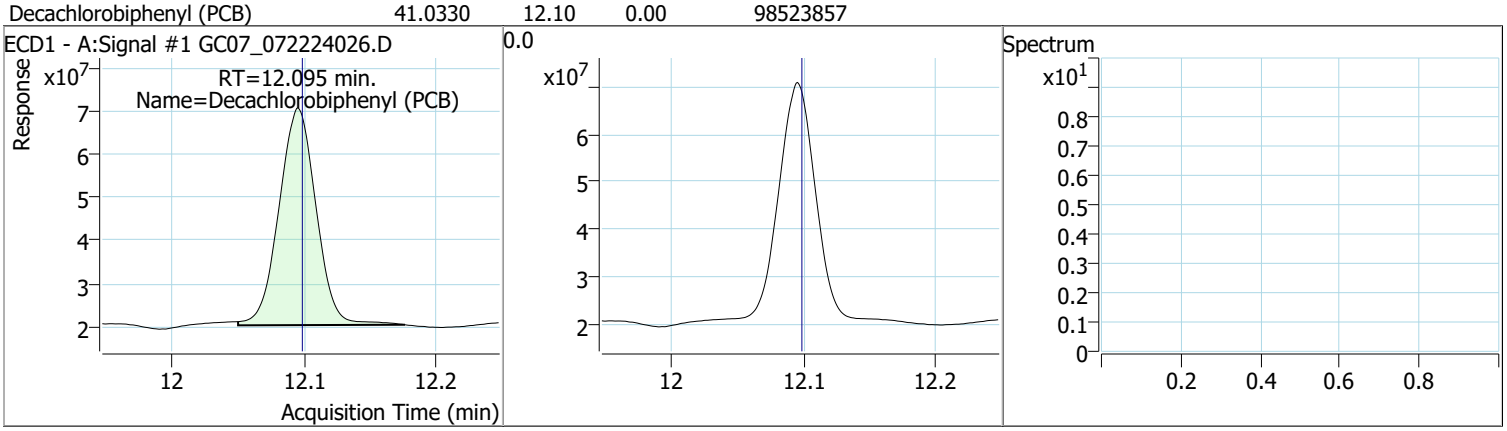
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.6761	11.07	0.00	192475				



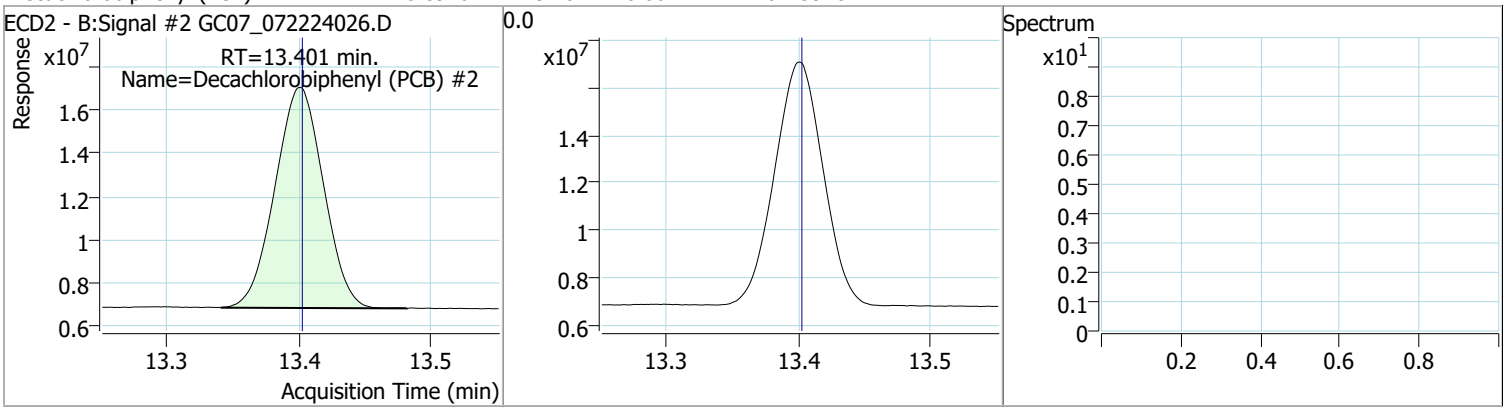
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	115.3536	11.80	0.04	4937247				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.0330	12.10	0.00	98523857				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.8940	13.40	0.00	26129918				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-006	Client ID:	DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA
Seqnum:	464294361027	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224027	Batch:	345600	Time:	22-JUL-2024 17:20
Cal:	464259633001	Caldate:	28-JUN-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	71.29	ug/L	~~0.71~~ ~~FP~~	0.66	8%	0.50		x u
Aroclor-1016 Peak # 1	B	122.6	ug/L	1.23	1.26	3%			
Aroclor-1016 Peak # 2	B	11.98	ug/L	0.12	0.47	119%			
Aroclor-1016 Peak # 3	B	215.4	ug/L	2.15	0.99	74%			
Aroclor-1016 Peak # 4	B	0.8399	ug/L	0.01	0.04	125%			
Aroclor-1016 Peak # 5	B	5.707	ug/L	0.06	0.52	160%			
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	42.98	ug/L	ND	1.2	91%	0.50		u
Aroclor-1260 Peak # 1	B	61.42	ug/L	0.61	2.01	106%			
Aroclor-1260 Peak # 2	B	53.02	ug/L	0.53	0.02	184%			
Aroclor-1260 Peak # 3	B	11.57	ug/L	0.12	0.25	75%			
Aroclor-1260 Peak # 4	B	12.17	ug/L	0.12	3.09	185%			
Aroclor-1260 Peak # 5	B	76.71	ug/L	0.77	0.39	65%			
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	44.81	pg/uL	0.5000	0.4481	90	19-121	u
Decachlorobiphenyl (PCB)	B	45.80	pg/uL	0.5000	0.4580	92	19-121	c+ u

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

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10399913	-5.16
1-bromo-2-nitrobenzene (PCB)	A	47936344	43917047	-8.38

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	12686726	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.44	**???**	

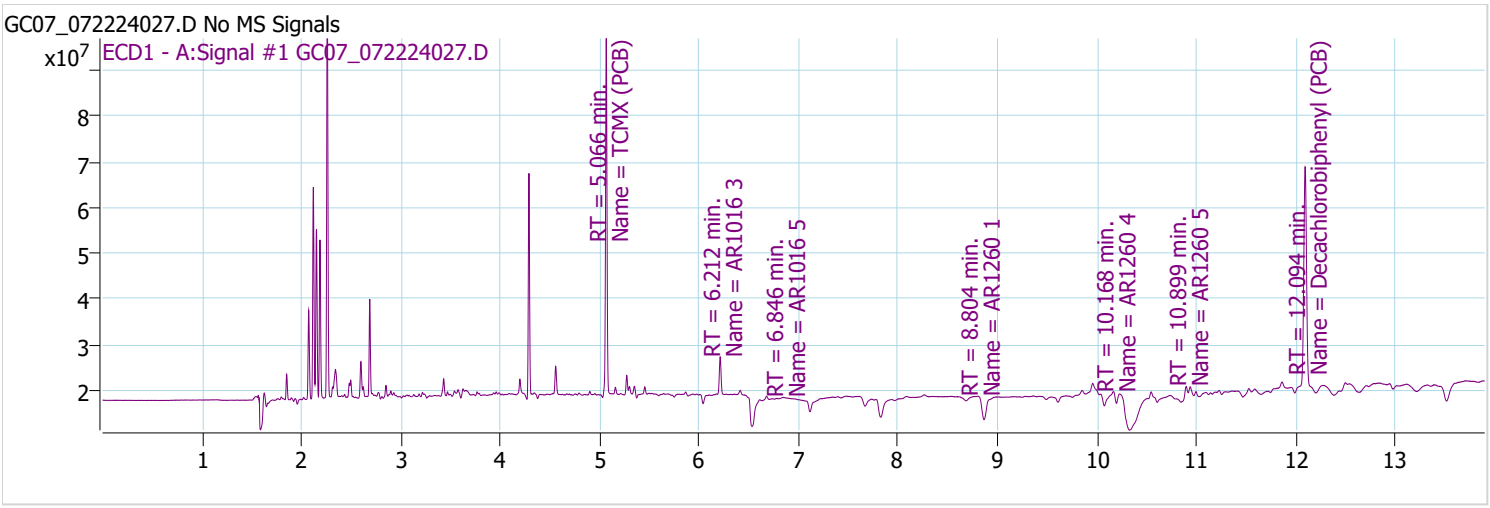
07/23/24 : WIPE/1dm3-10ML

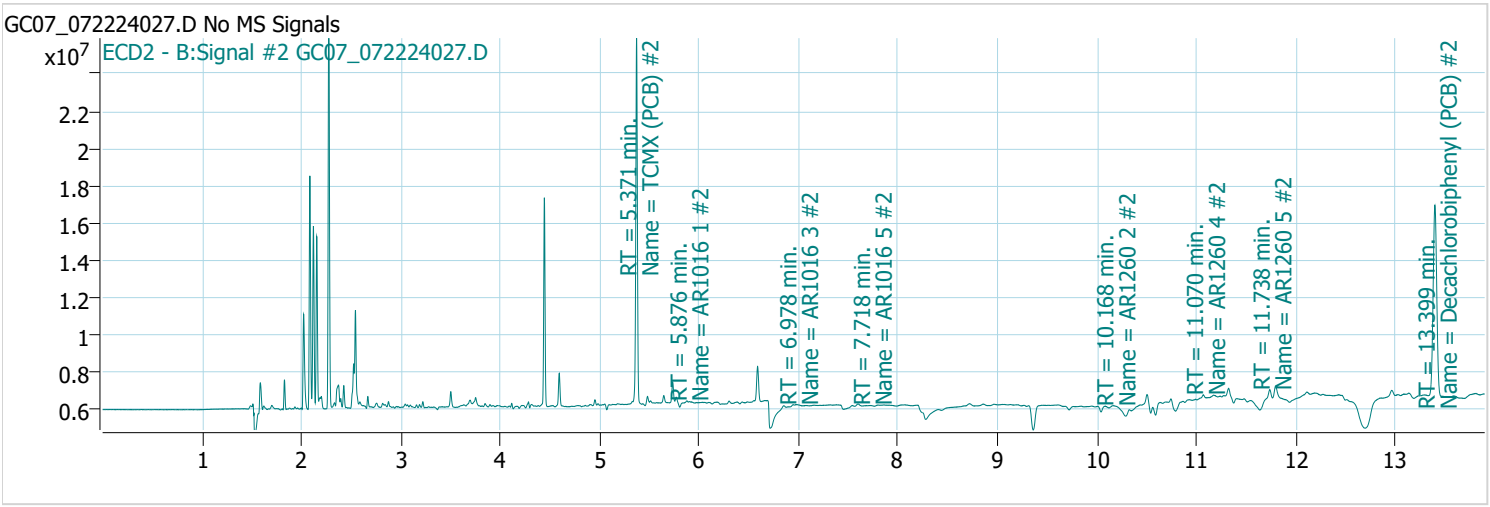
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 5:20:15 PM
Sample Name	512356-006, 345600, 1	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



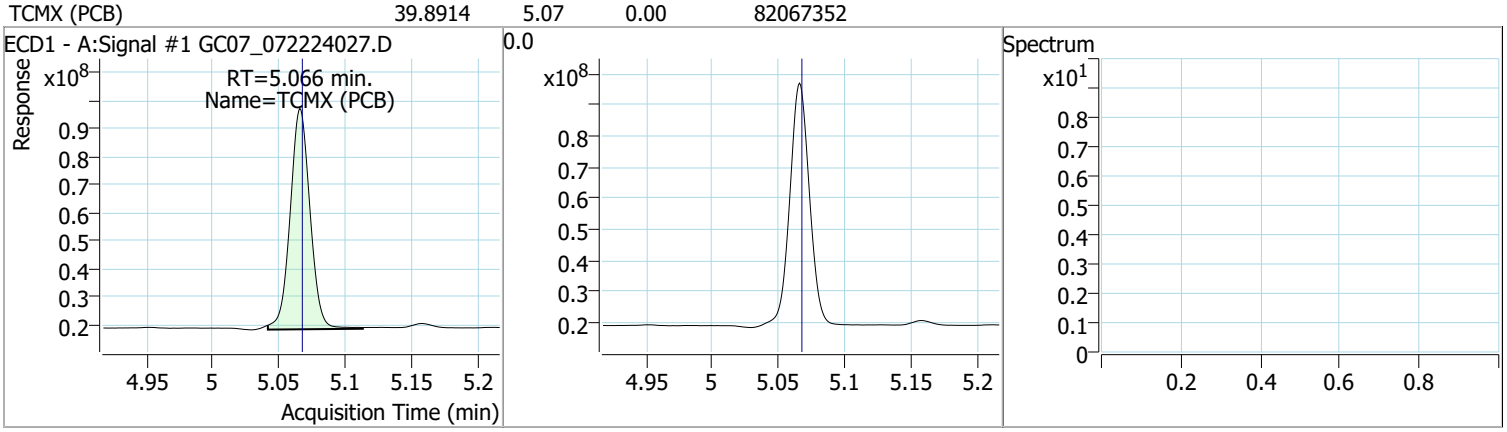


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	43917046.926	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10399912.603	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.066	0.0	82067352.420	39.8914	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.46%		*	
S TCMX (PCB) #2	5.371	0.0	22354736.475	44.8142	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.07%		*	
S Decachlorobiphenyl (PCB)	12.094	0.0	96640704.440	39.9121	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.56%		*	
S Decachlorobiphenyl (PCB) #2	13.399	0.0	26023702.766	45.8044	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.02%		*	
Target Compounds							QValue

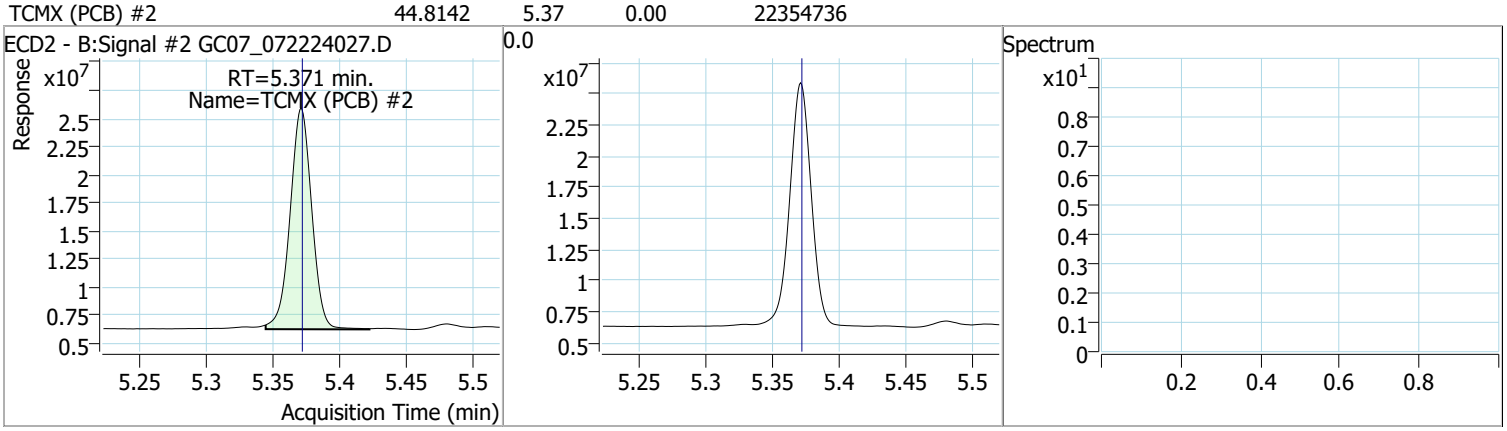
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	4851191.452	126.3737	ng/ml	100
T AR1016 2	5.864	0.0	3786576.637	47.4823	ng/ml	100
T AR1016 1 #2	5.876	0.0	1345782.783	122.5579	ng/ml	100
T AR1016 3	6.212	0.0	10758551.763	98.8664	ng/ml	100
T AR1016 2 #2	6.302	0.0	271682.114	11.9752	ng/ml	100
T AR1016 4	6.352	0.0	244011.109	3.6567	ng/ml	100
T AR1016 5	6.846	0.0	3027050.486	51.6072	ng/ml	100
T AR1016 3 #2	6.978	0.0	6094106.738	215.3751	ng/ml	100
T AR1016 4 #2	7.055	0.0	17568.306	0.8399	ng/ml	100
T AR1016 5 #2	7.718	0.0	96545.694	5.7069	ng/ml	100
T AR1260 1	8.804	0.0	23586842.694	200.5006	ng/ml	100
T AR1260 2	9.286	0.0	388729.174	2.1636	ng/ml	100
T AR1260 3	9.693	0.0	4920809.421	25.4548	ng/ml	100
T AR1260 1 #2	9.842	0.0	1847875.321	61.4160	ng/ml	100
T AR1260 4	10.168	0.0	34510777.388	308.7871	ng/ml	100
T AR1260 2 #2	10.168	0.0	2004125.765	53.0215	ng/ml	100
T AR1260 3 #2	10.562	0.0	526213.706	11.5657	ng/ml	100
T AR1260 5	10.899	0.0	5209340.535	38.9247	ng/ml	100
T AR1260 4 #2	11.070	0.0	350203.621	12.1728	ng/ml	100
T AR1260 5 #2	11.738	0.0	3276444.580	76.7131	ng/ml	100

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

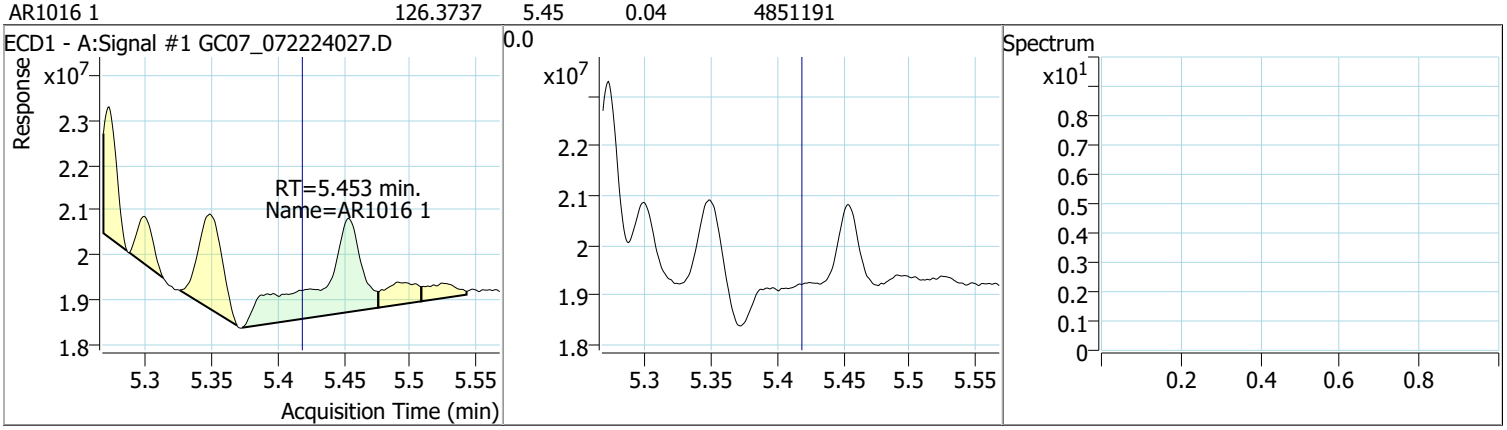
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.8914	5.07	0.00	82067352				



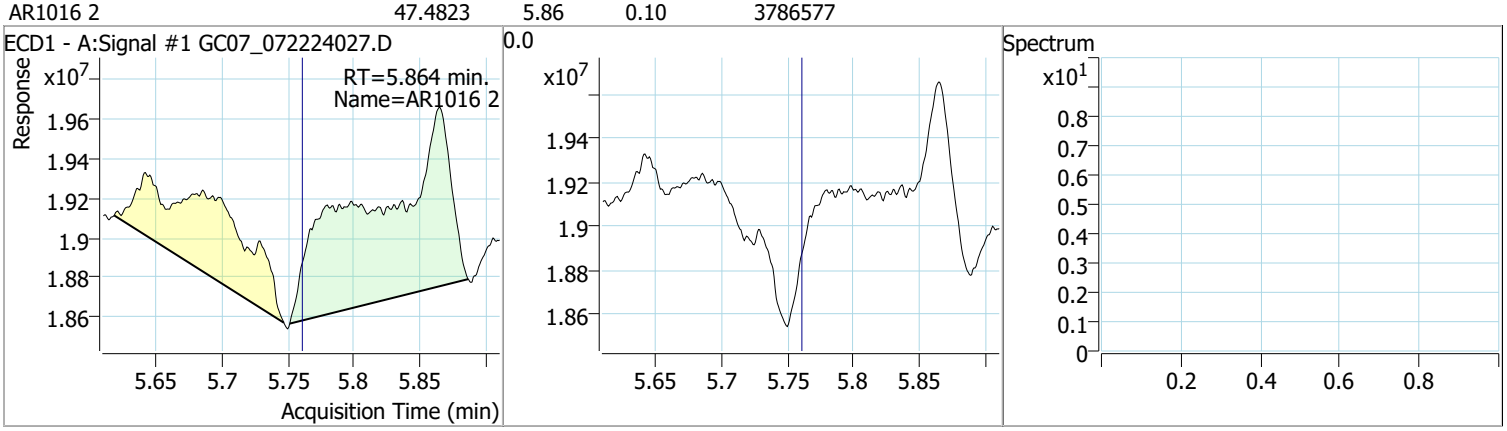
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.8142	5.37	0.00	22354736				



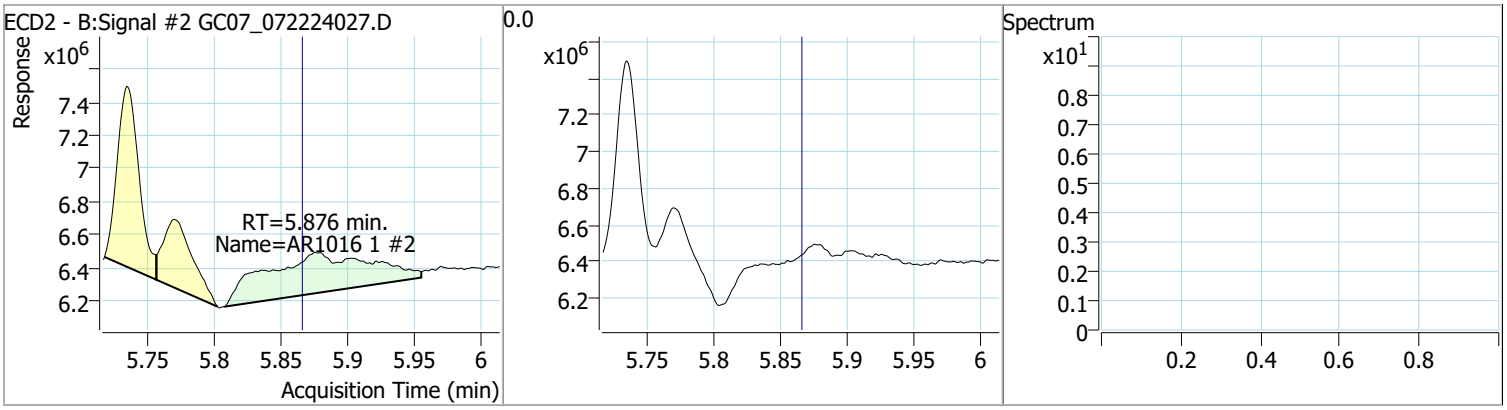
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	126.3737	5.45	0.04	4851191				



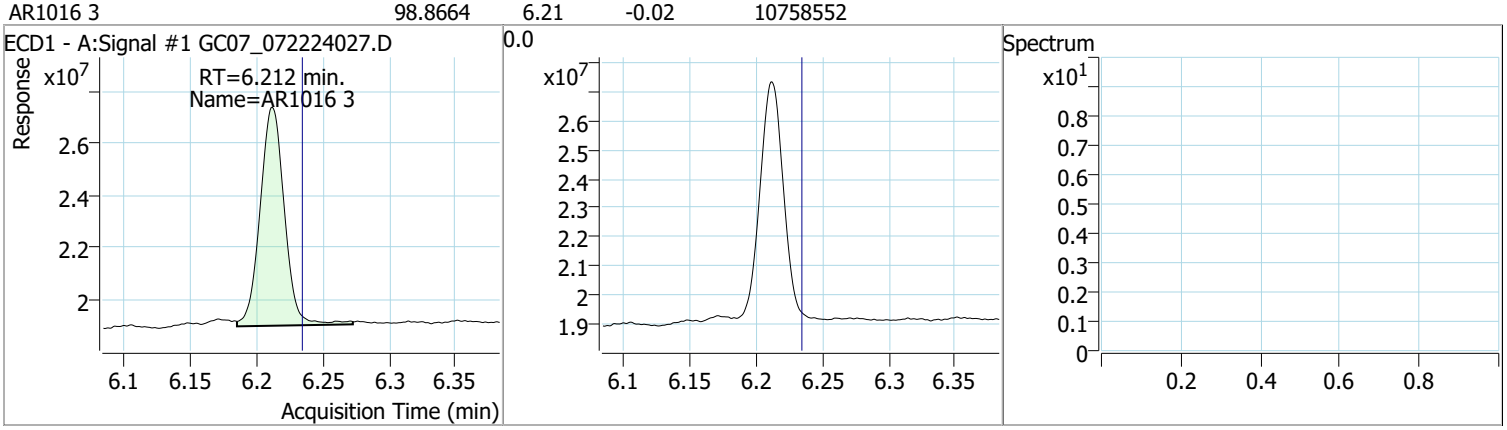
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	47.4823	5.86	0.10	3786577				



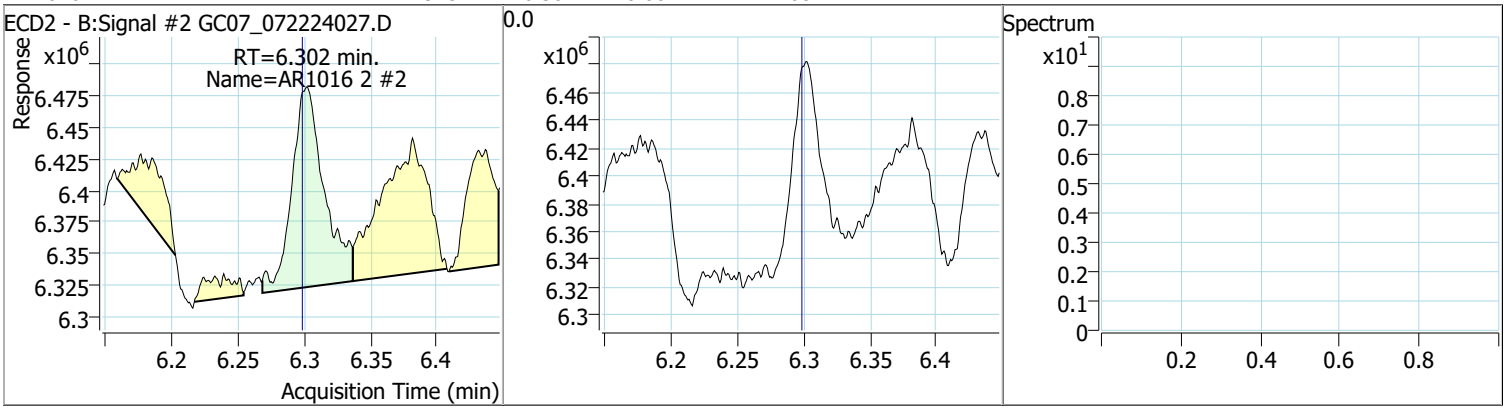
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	122.5579	5.88	0.01	1345783				



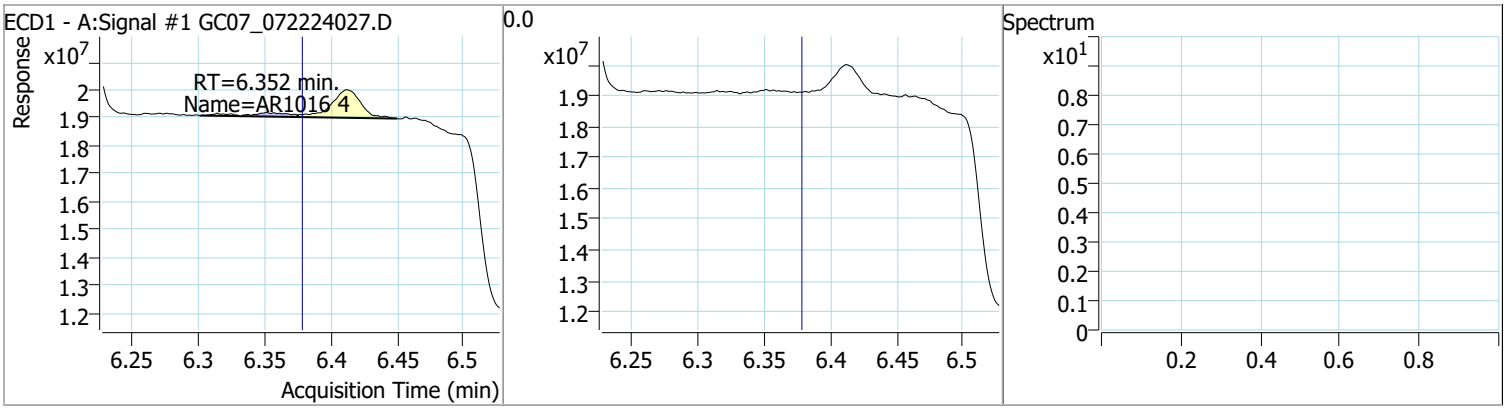
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	98.8664	6.21	-0.02	10758552				



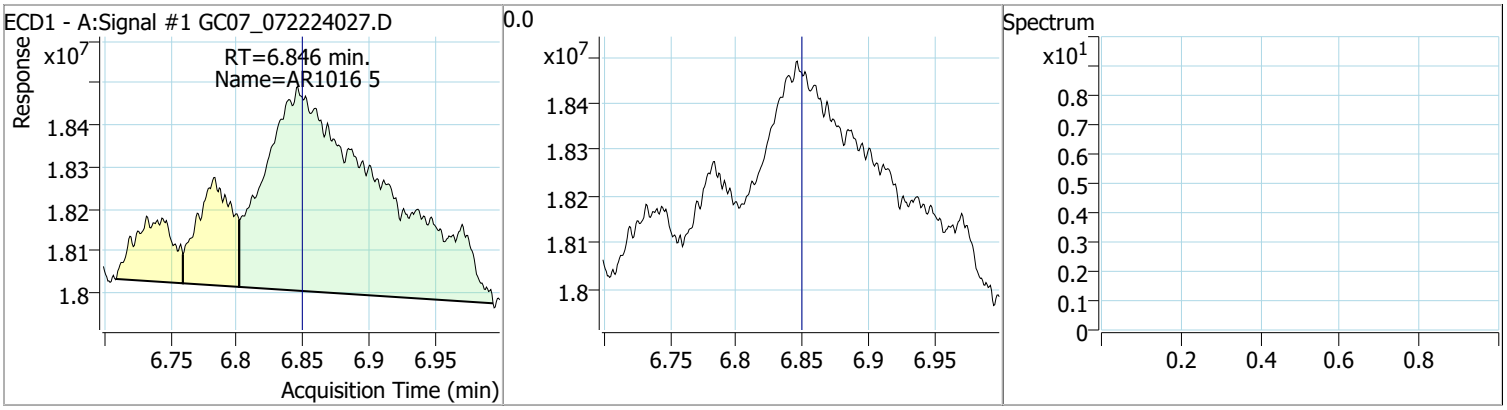
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.9752	6.30	0.00	271682				



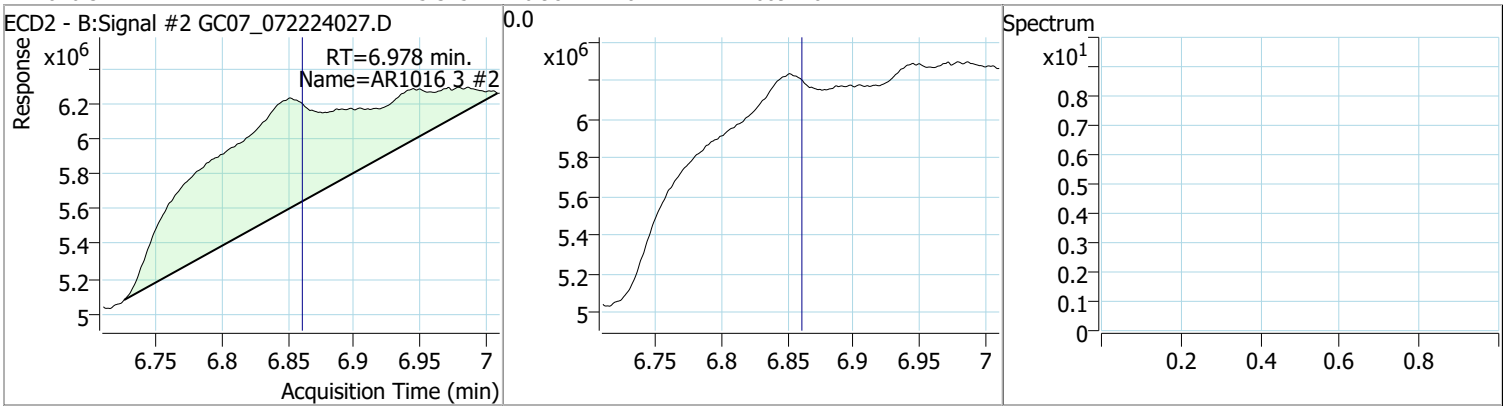
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.6567	6.35	-0.03	244011				



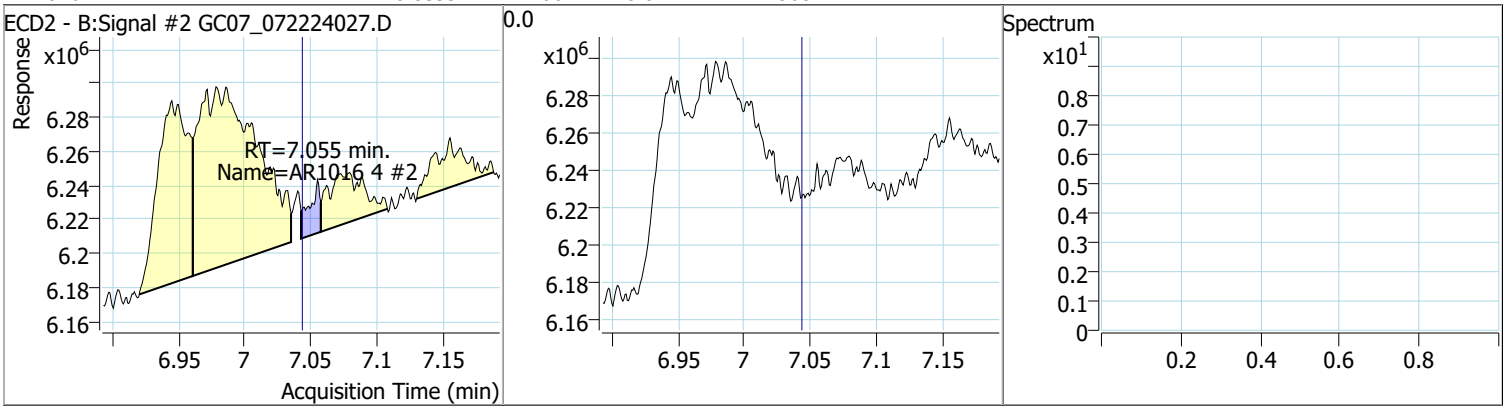
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	51.6072	6.85	0.00	3027050				



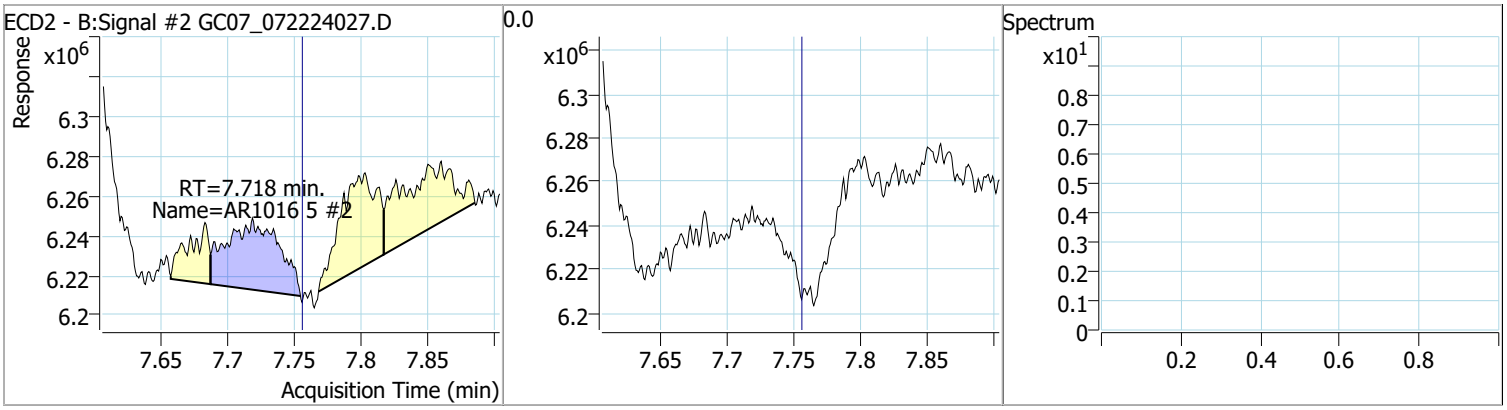
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	215.3751	6.98	0.12	6094107				



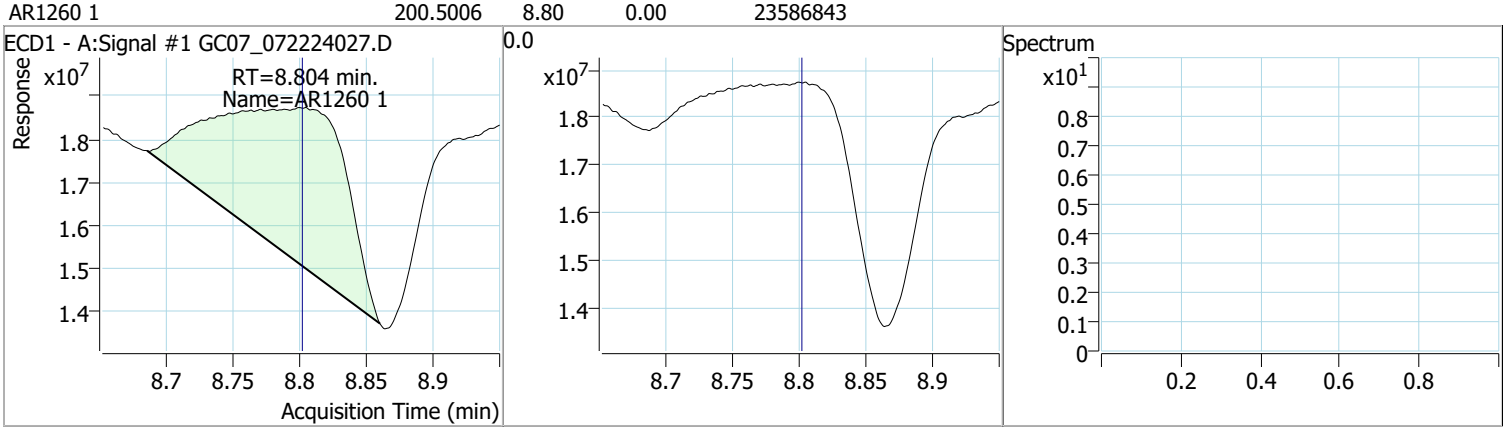
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8399	7.06	0.01	17568				



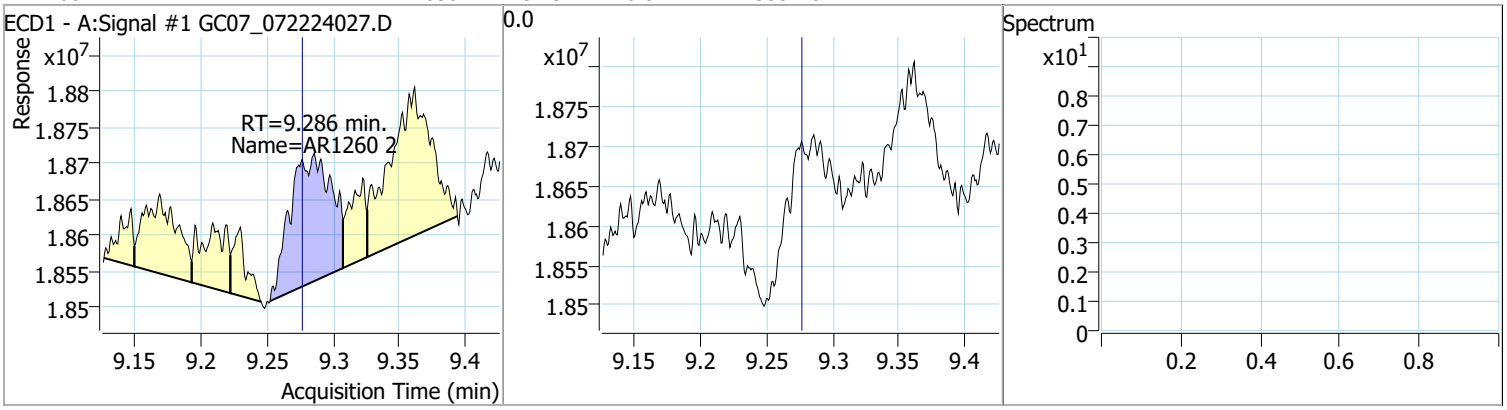
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.7069	7.72	-0.04	96546				



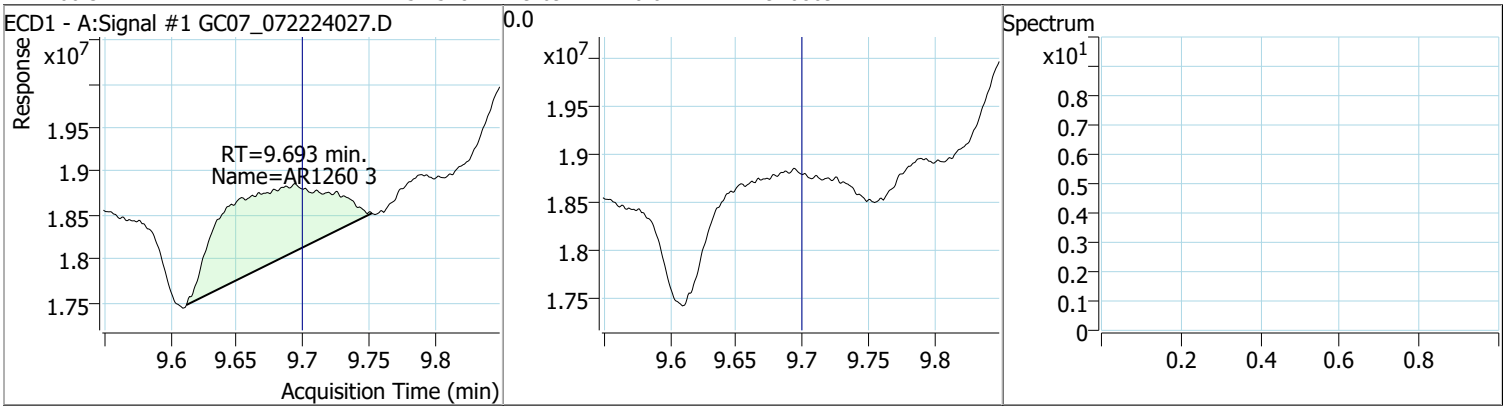
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	200.5006	8.80	0.00	23586843				



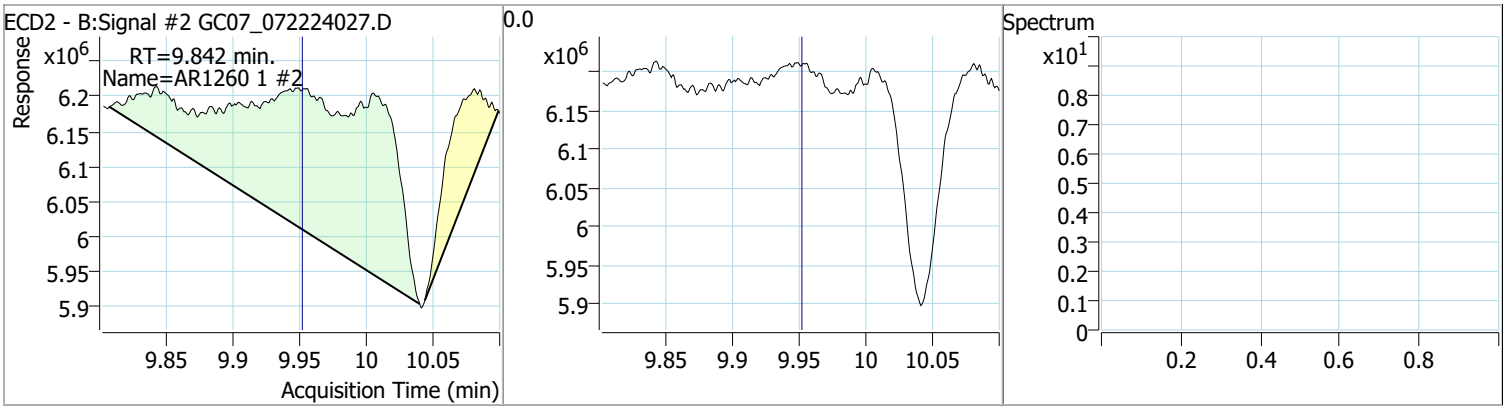
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AR1260 2	2.1636	9.29	0.01	388729				



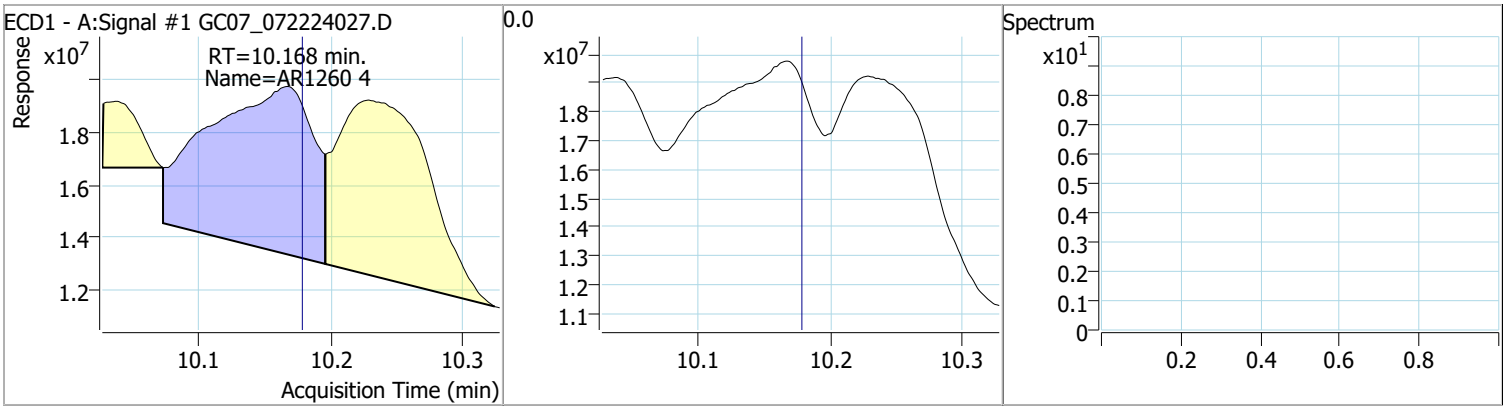
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.4548	9.69	-0.01	4920809				



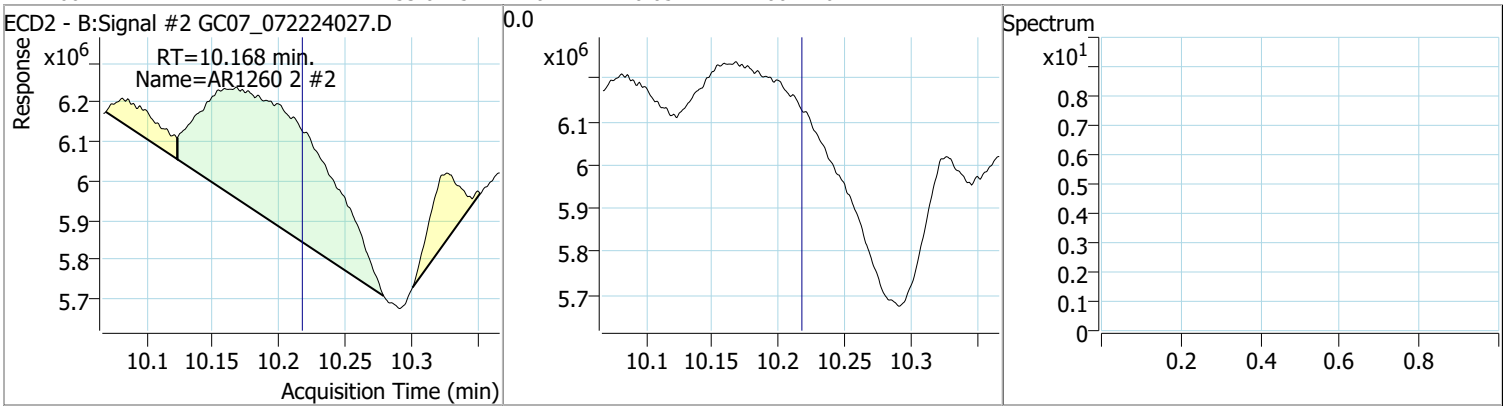
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	61.4160	9.84	-0.11	1847875				



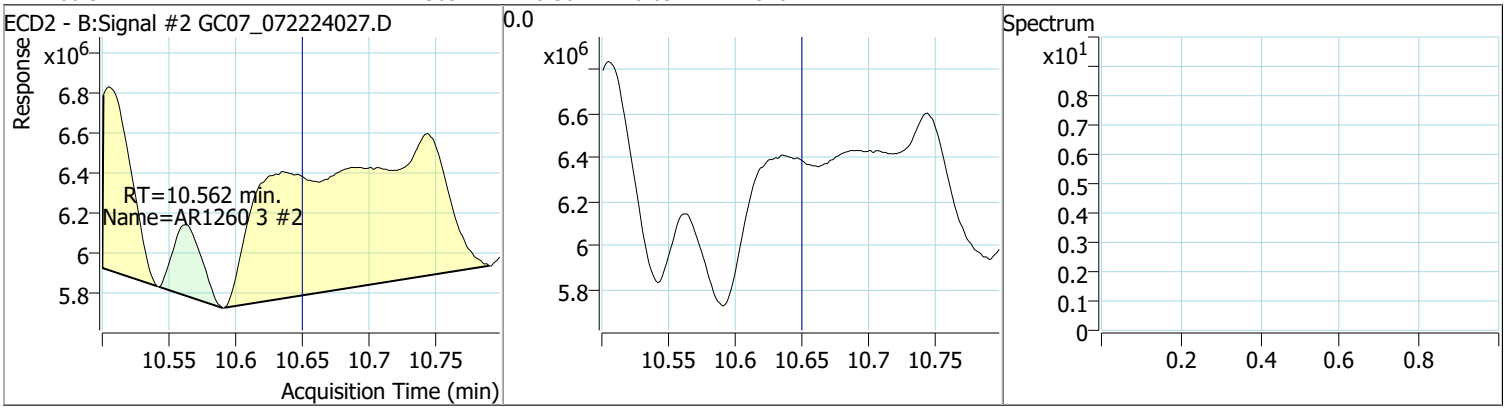
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	308.7871	10.17	-0.01	34510777				



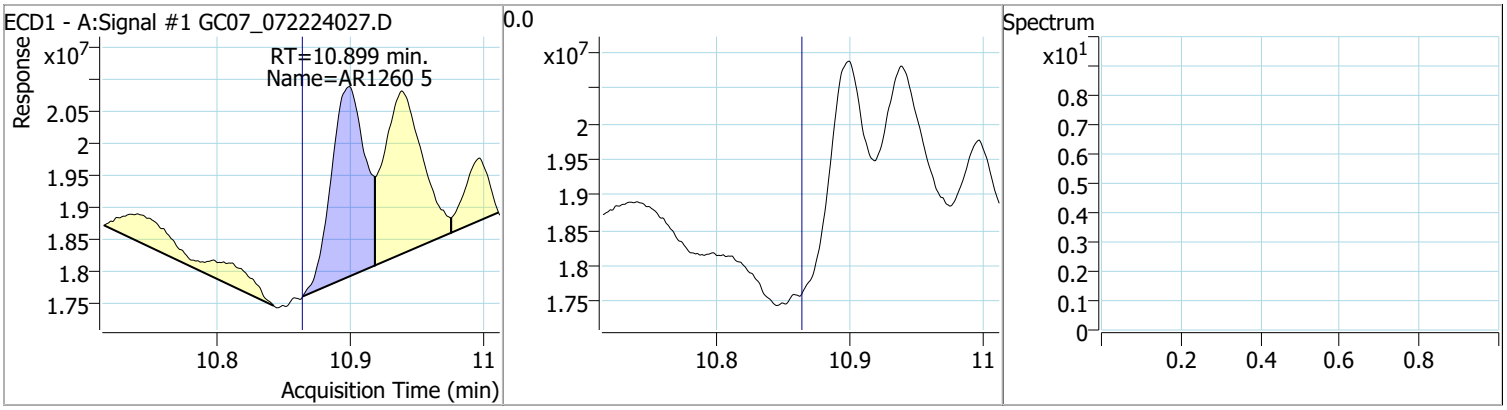
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	53.0215	10.17	-0.05	2004126				



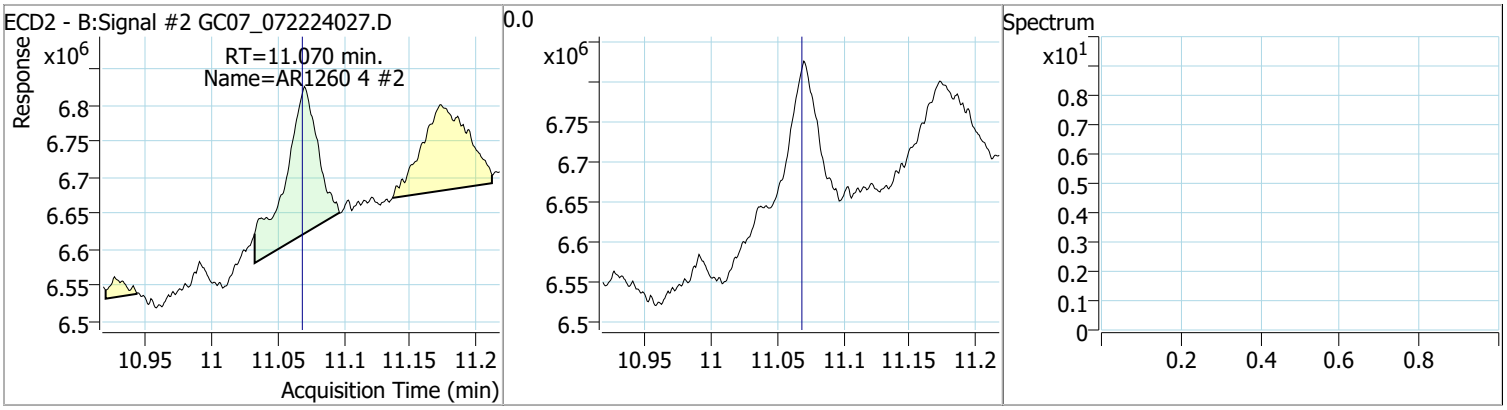
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.5657	10.56	-0.09	526214				



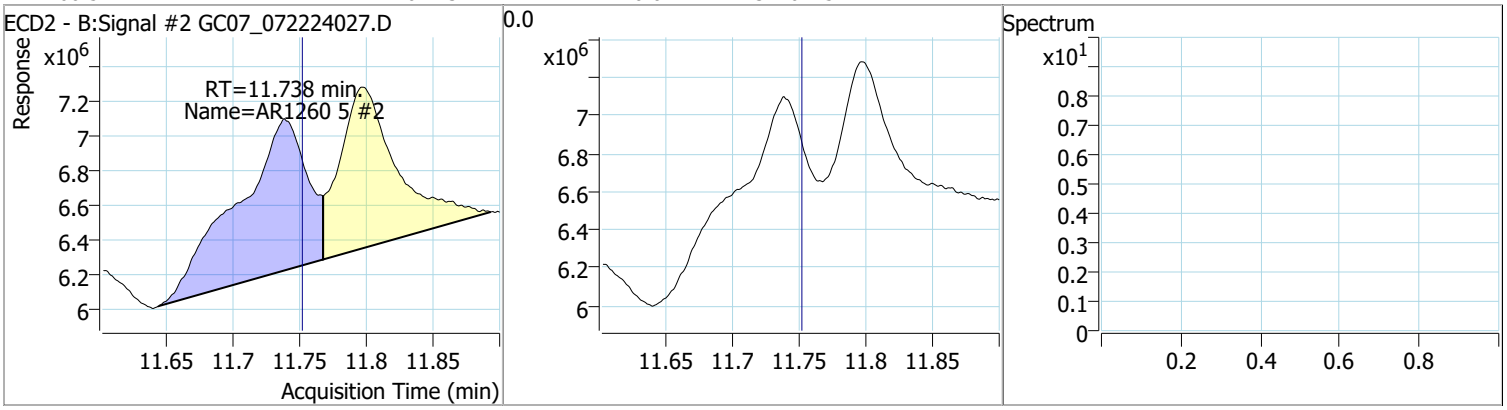
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	38.9247	10.90	0.04	5209341				



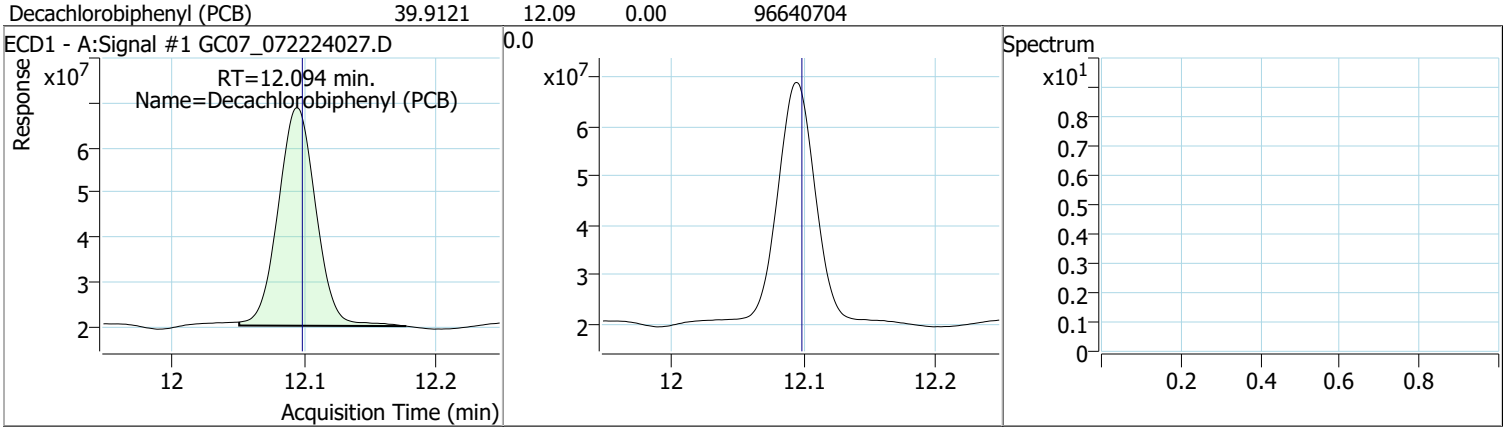
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	12.1728	11.07	0.00	350204				



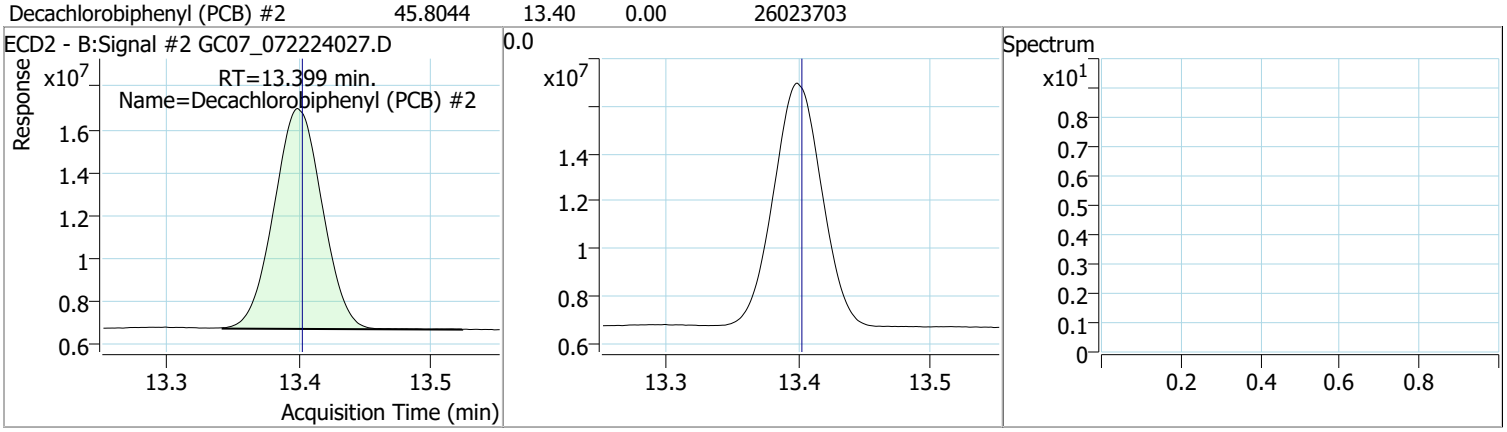
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	76.7131	11.74	-0.01	3276445				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.9121	12.09	0.00	96640704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.8044	13.40	0.00	26023703				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-008	Client ID:	DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB
Seqnum:	464294361028	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224028	Batch:	345600	Time:	22-JUL-2024 17:37
Cal:	464259633001	Caldate:	28-JUN-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	20.71	ug/L	ND	0.81	118%	0.50		u
Aroclor-1016 Peak # 1	B	50.34	ug/L	0.50	0.06	156%			
Aroclor-1016 Peak # 2	B	9.474	ug/L	0.09	0.31	106%			
Aroclor-1016 Peak # 3	B	39.86	ug/L	0.40	3.13	155%			
Aroclor-1016 Peak # 4	B	3.528	ug/L	0.04	0.01	133%			
Aroclor-1016 Peak # 5	B	0.3377	ug/L	0.00	0.52	197%			
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	48.07	ug/L	ND	1.1	76%	0.50		u
Aroclor-1260 Peak # 1	B	99.25	ug/L	0.99	2.53	87%			
Aroclor-1260 Peak # 2	B	54.65	ug/L	0.55	0.02	188%			
Aroclor-1260 Peak # 3	B	15.76	ug/L	0.16	0.40	87%			
Aroclor-1260 Peak # 4	B	3.457	ug/L	0.03	1.92	193%			
Aroclor-1260 Peak # 5	B	67.26	ug/L	0.67	0.45	39%			
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	46.44	pg/uL	0.5000	0.4644	93	19-121	u
Decachlorobiphenyl (PCB)	B	49.68	pg/uL	0.5000	0.4968	99	19-121	c+ u

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

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10205136	-6.94
1-bromo-2-nitrobenzene (PCB)	A	47936344	44684456	-6.78

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	12686726	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.44	**???**	

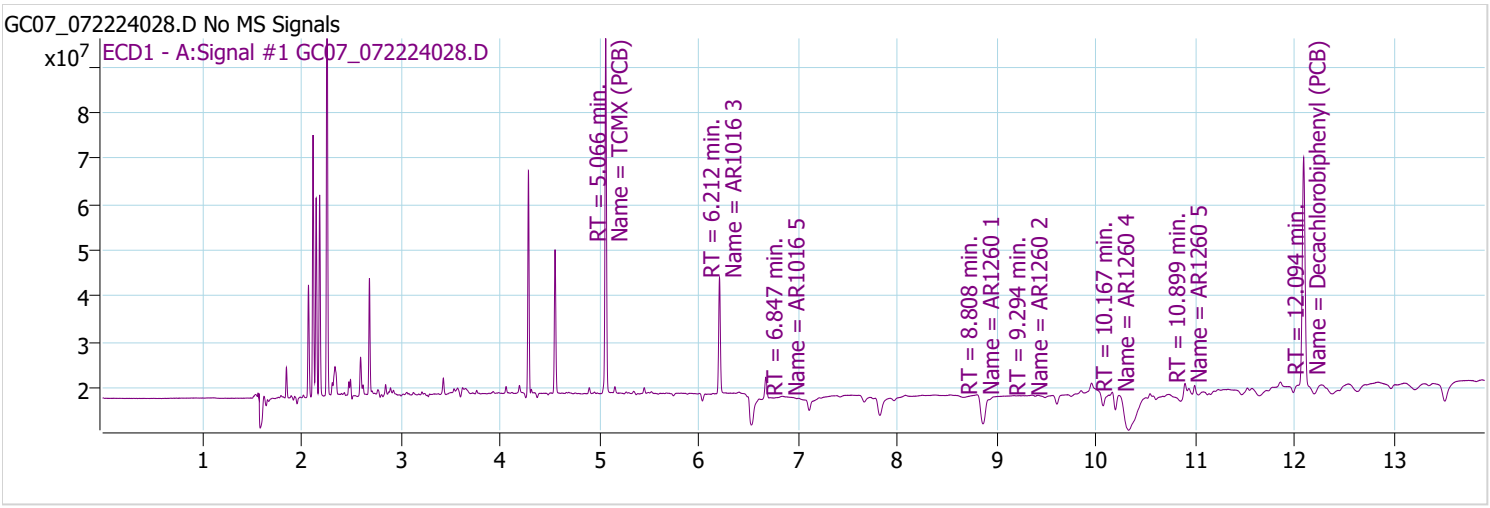
07/23/24 : WIPE/1dm3-10ML

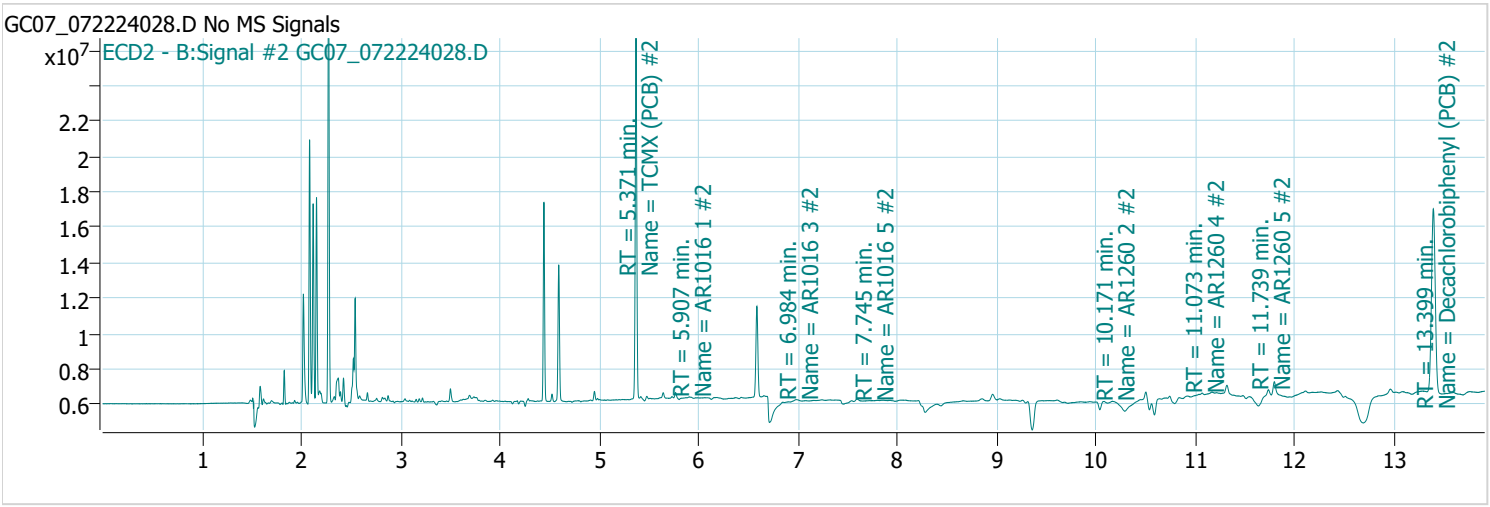
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Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 5:37:45 PM
Sample Name	512356-008, 345600, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



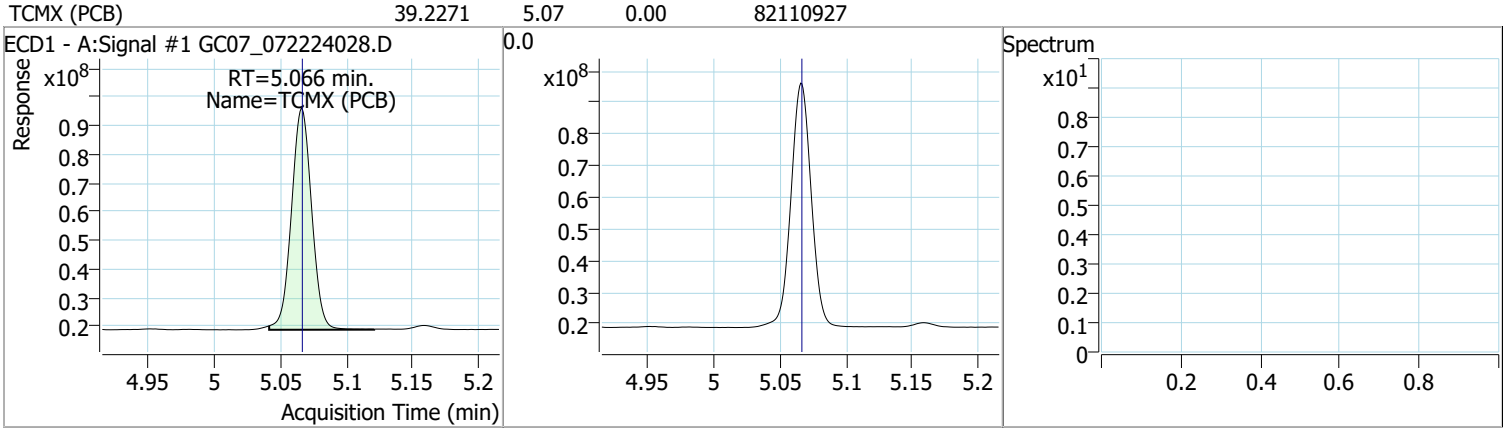


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	44684455.563	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.444	0.0	10205135.659	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.066	0.0	82110927.215	39.2271	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.14%		*	
S TCMX (PCB) #2	5.371	0.0	22730780.152	46.4378	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.19%		*	
S Decachlorobiphenyl (PCB)	12.094	0.0	101094074.378	41.0343	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.17%		*	
S Decachlorobiphenyl (PCB) #2	13.399	0.0	27699236.306	49.6841	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.42%		*	
Target Compounds							QValue

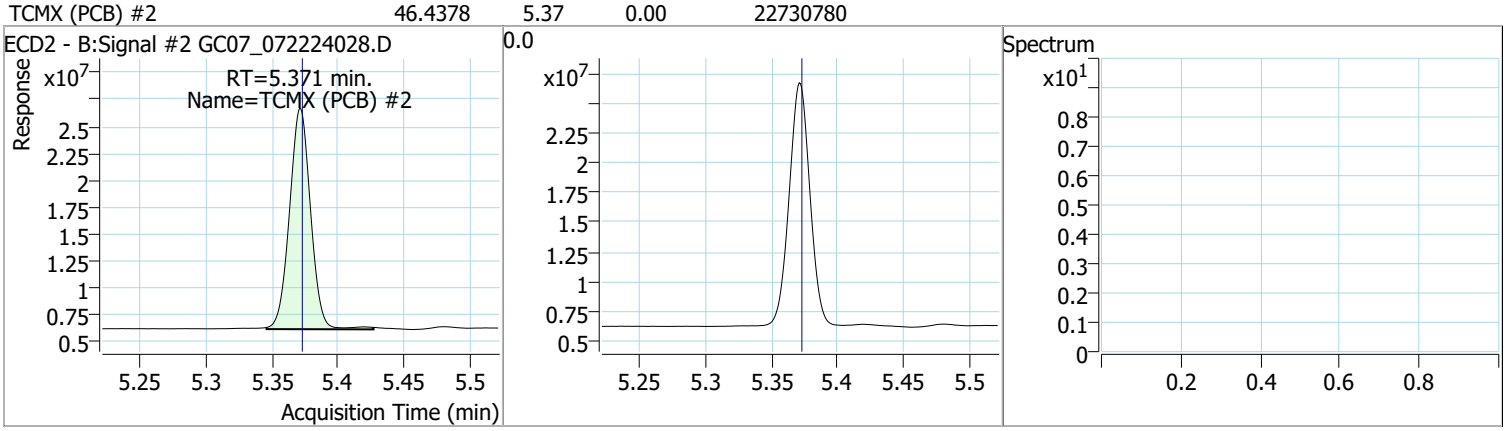
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.391	0.0	240313.820	6.1527	ng/ml	100
T AR1016 2	5.832	0.0	2517095.424	31.0214	ng/ml	100
T AR1016 1 #2	5.907	0.0	542460.234	50.3437	ng/ml	100
T AR1016 3	6.212	0.0	30650436.176	313.3315	ng/ml	100
T AR1016 2 #2	6.378	0.0	210914.162	9.4741	ng/ml	100
T AR1016 4	6.358	0.0	48241.789	0.7105	ng/ml	100
T AR1016 5	6.847	0.0	3112260.328	52.1486	ng/ml	100
T AR1016 3 #2	6.984	0.0	1106599.156	39.8553	ng/ml	100
T AR1016 4 #2	7.085	0.0	72406.752	3.5277	ng/ml	100
T AR1016 5 #2	7.745	0.0	5605.537	0.3377	ng/ml	100
T AR1260 1	8.808	0.0	30273334.046	252.9197	ng/ml	100
T AR1260 2	9.294	0.0	319575.770	1.7481	ng/ml	100
T AR1260 3	9.714	0.0	7892604.628	40.1264	ng/ml	100
T AR1260 1 #2	9.941	0.0	2930160.598	99.2457	ng/ml	100
T AR1260 4	10.167	0.0	21846285.933	192.1138	ng/ml	100
T AR1260 2 #2	10.171	0.0	2026866.781	54.6466	ng/ml	100
T AR1260 3 #2	10.563	0.0	703835.935	15.7649	ng/ml	100
T AR1260 5	10.899	0.0	6164997.199	45.2743	ng/ml	100
T AR1260 4 #2	11.073	0.0	97595.583	3.4571	ng/ml	100
T AR1260 5 #2	11.739	0.0	2818887.206	67.2597	ng/ml	100

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

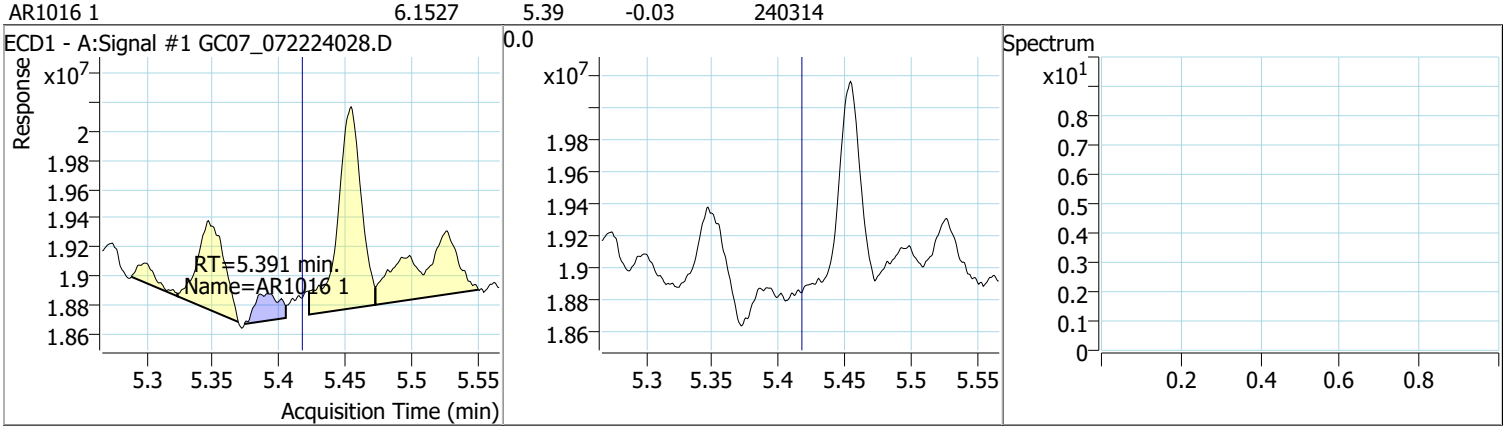
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.2271	5.07	0.00	82110927				



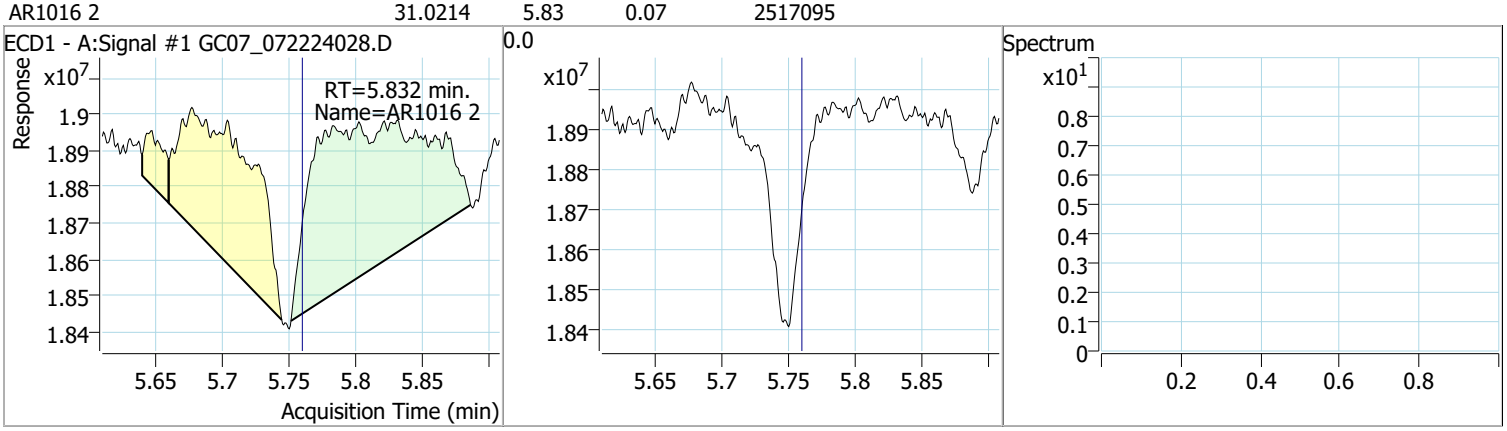
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.4378	5.37	0.00	22730780				



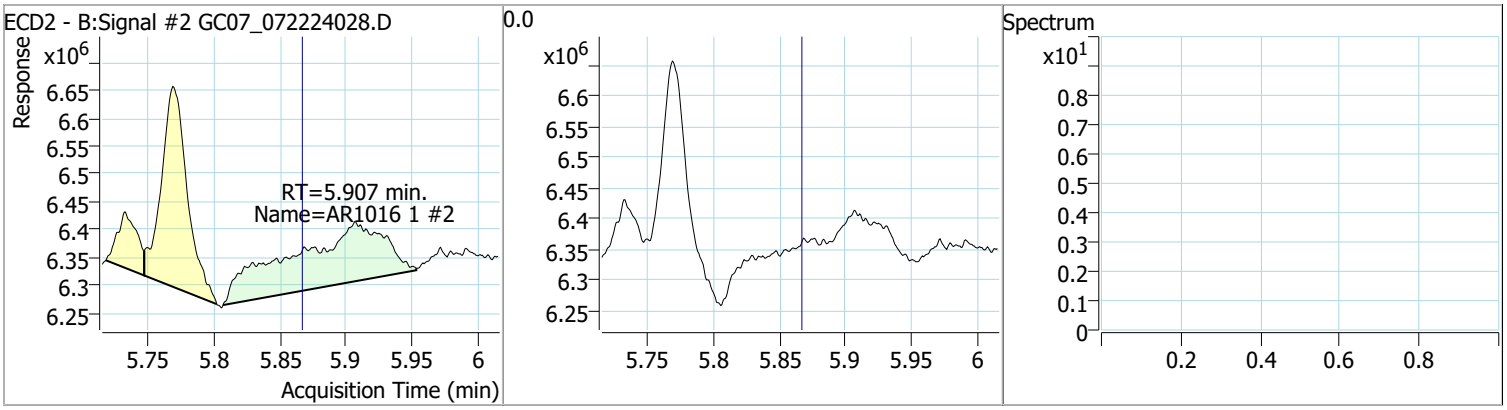
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	6.1527	5.39	-0.03	240314				



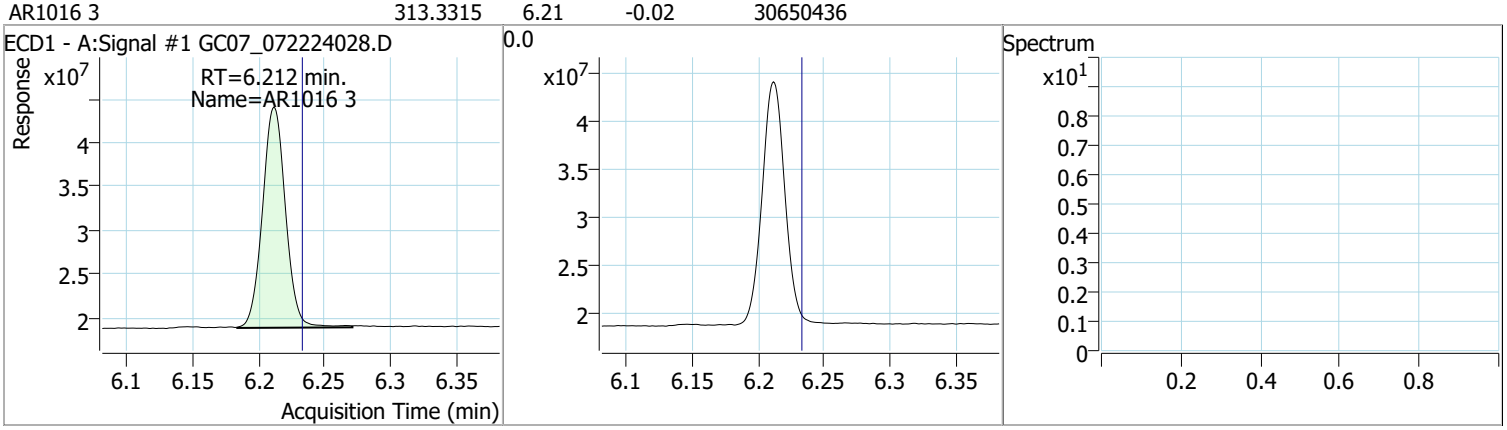
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.0214	5.83	0.07	2517095				



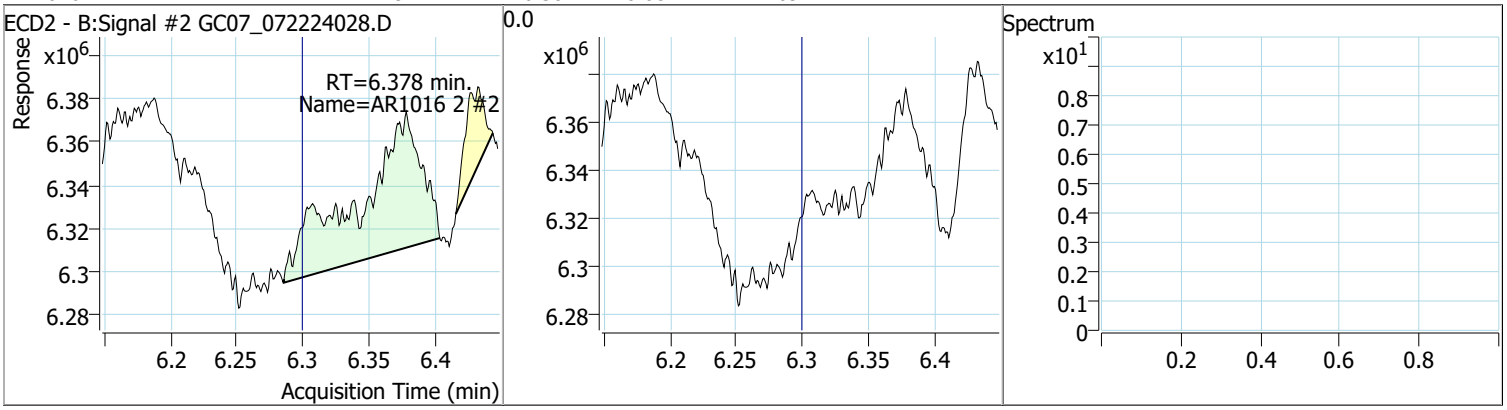
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	50.3437	5.91	0.04	542460				



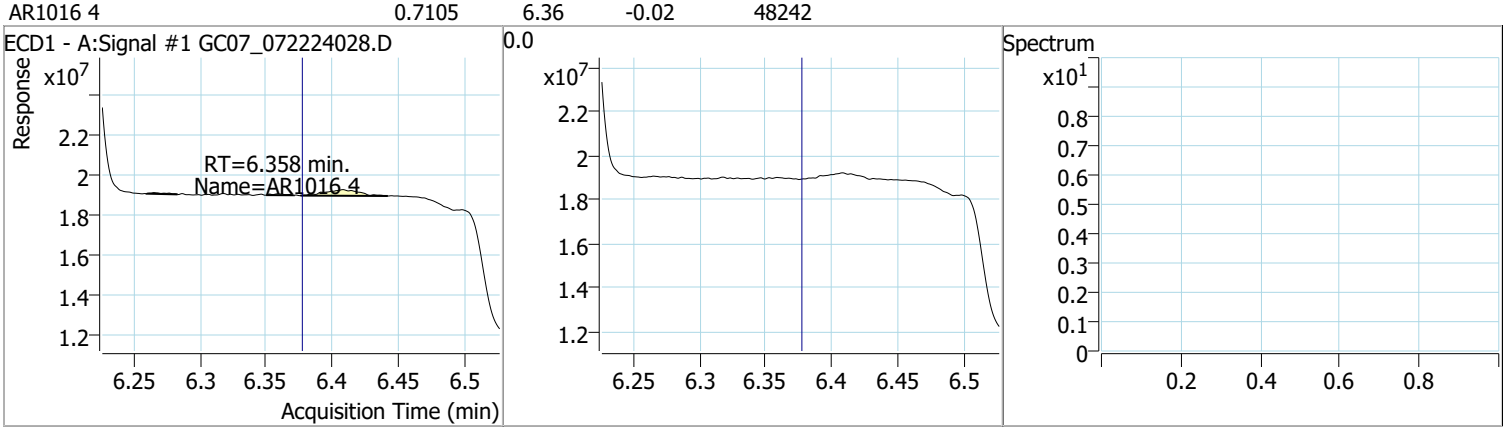
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	313.3315	6.21	-0.02	30650436				



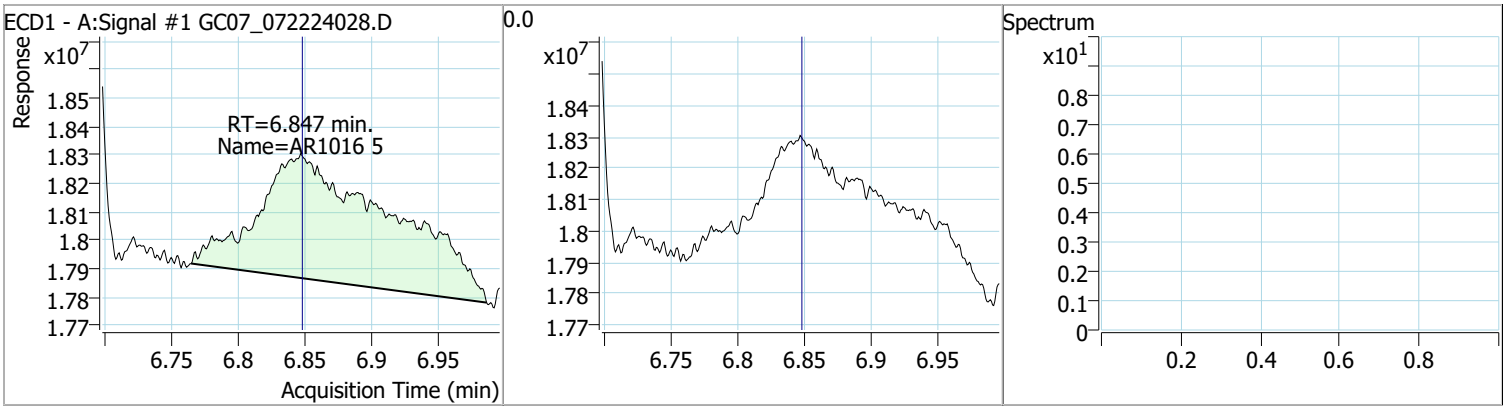
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.4741	6.38	0.08	210914				



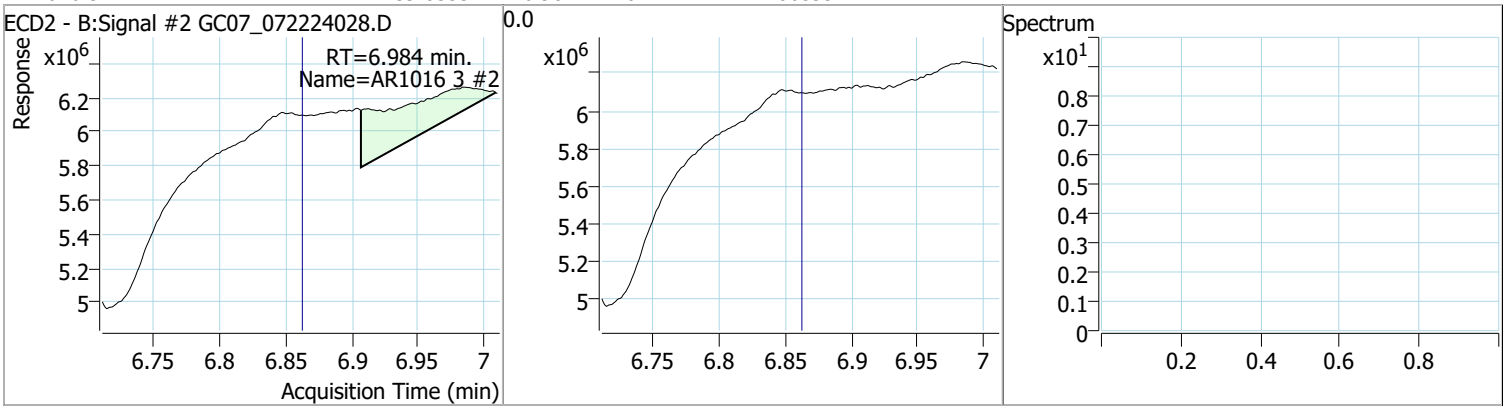
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.7105	6.36	-0.02	48242				



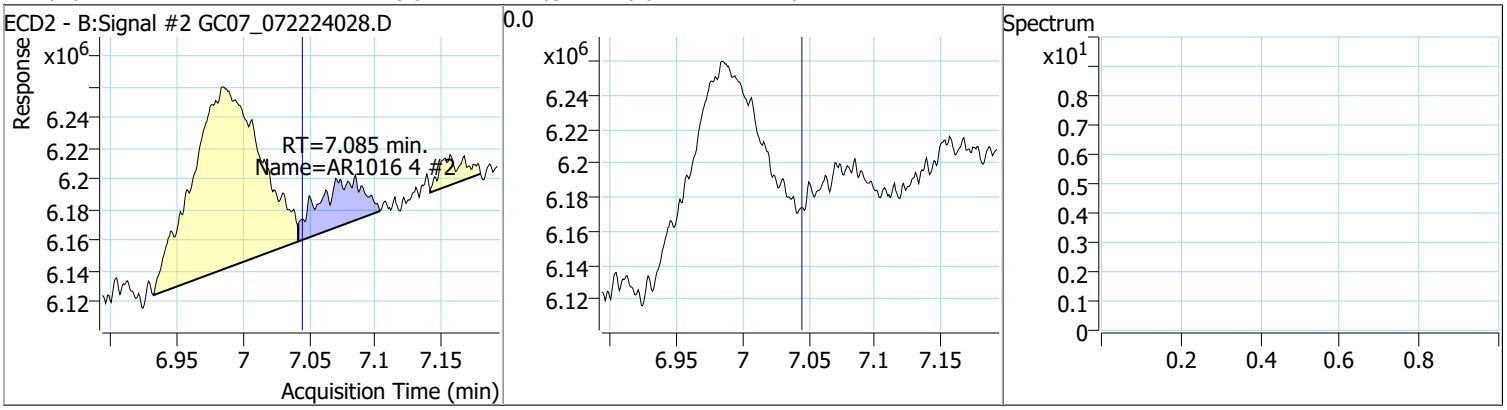
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.1486	6.85	0.00	3112260				



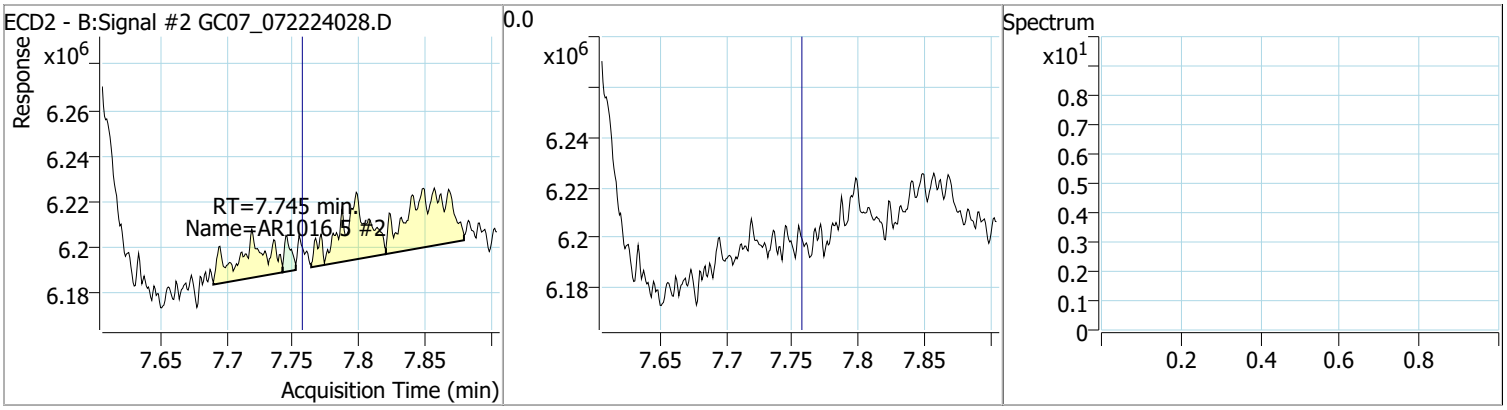
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	39.8553	6.98	0.12	1106599				



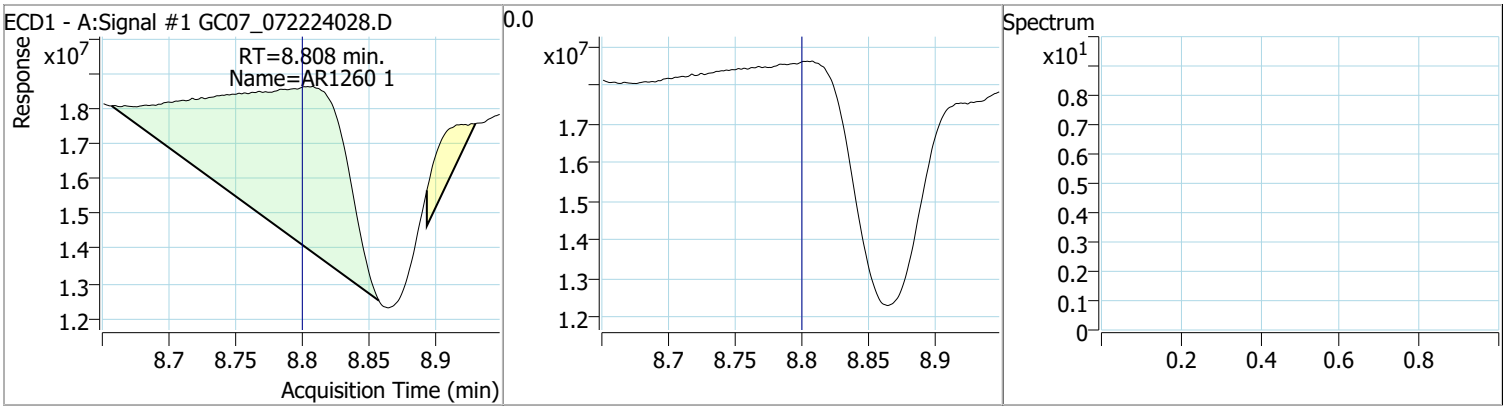
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.5277	7.09	0.04	72407				



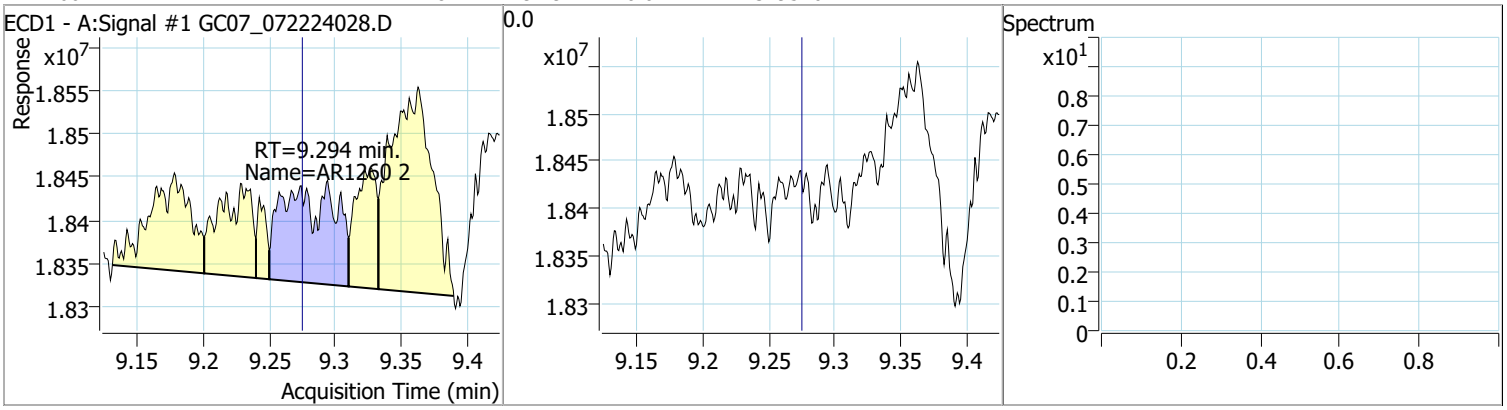
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3377	7.75	-0.01	5606				



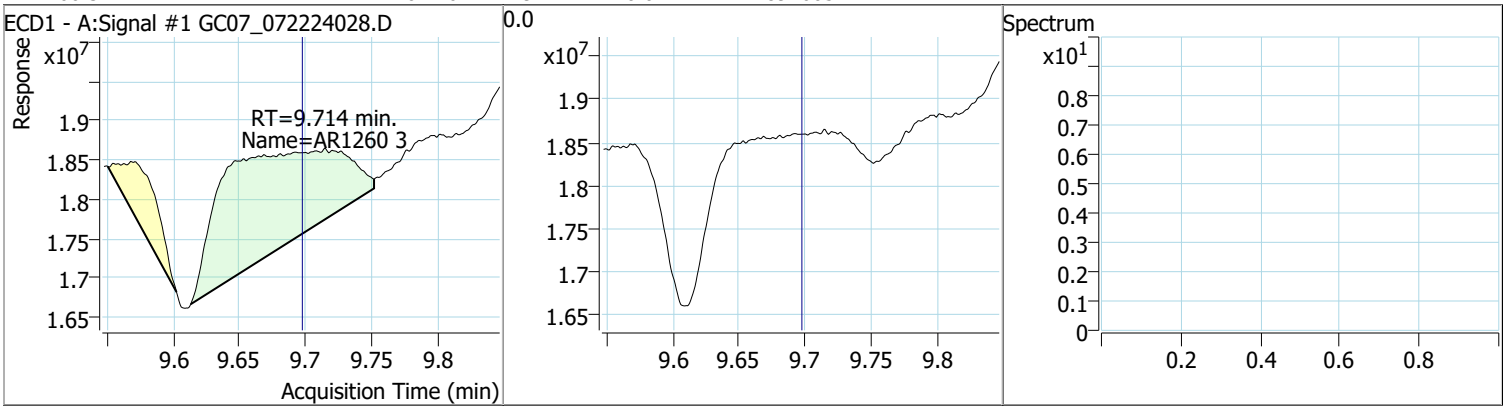
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	252.9197	8.81	0.01	30273334				



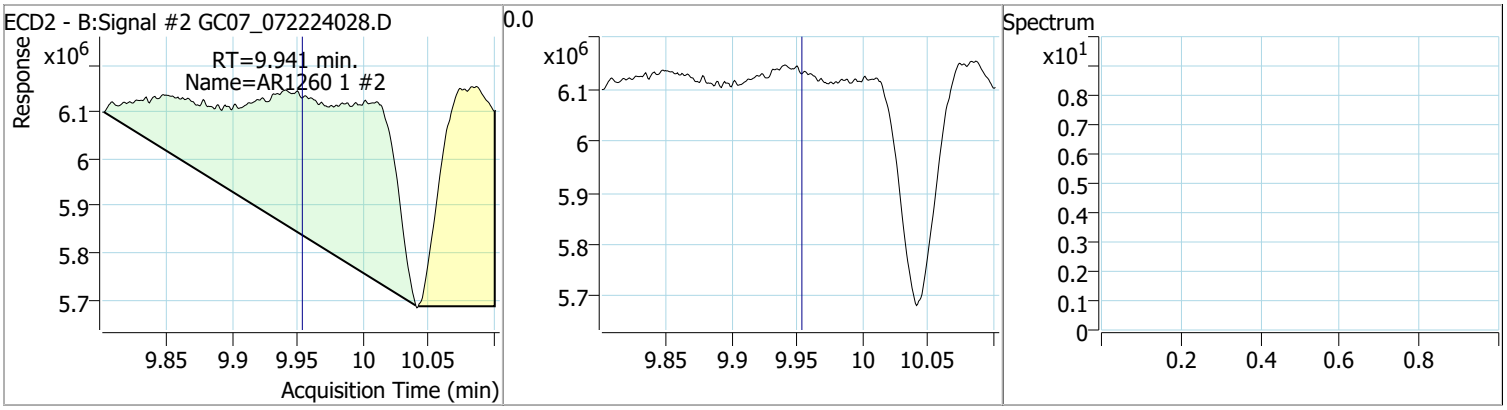
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7481	9.29	0.02	319576				



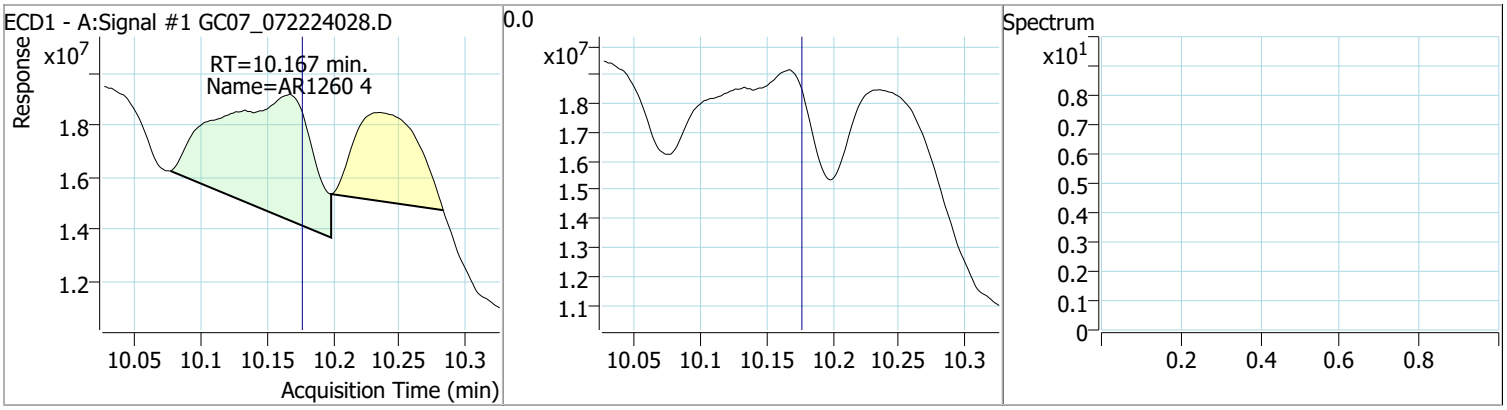
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	40.1264	9.71	0.02	7892605				



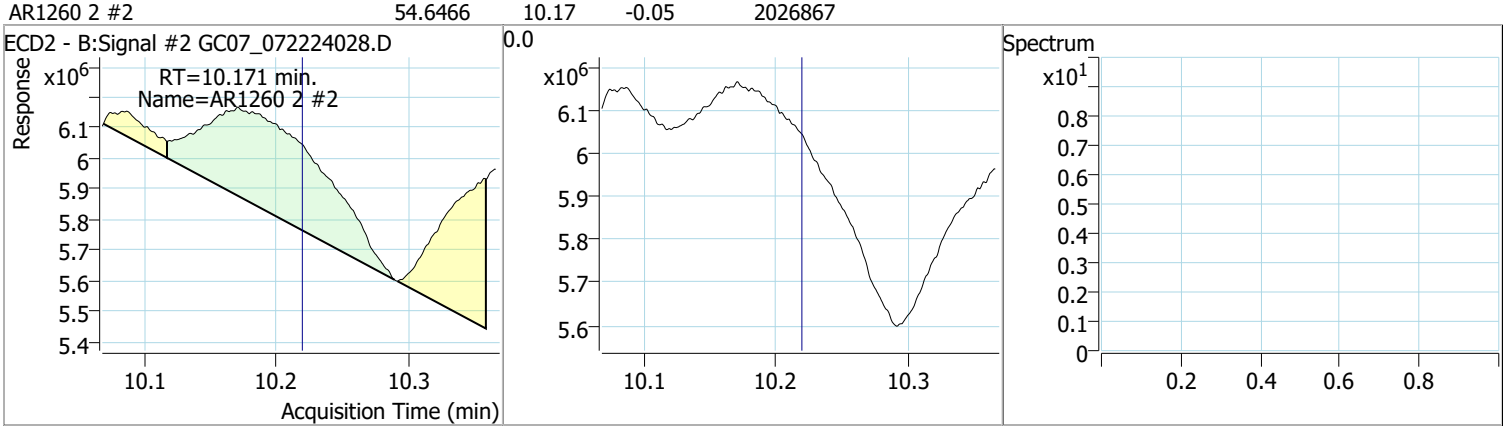
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	99.2457	9.94	-0.01	2930161				



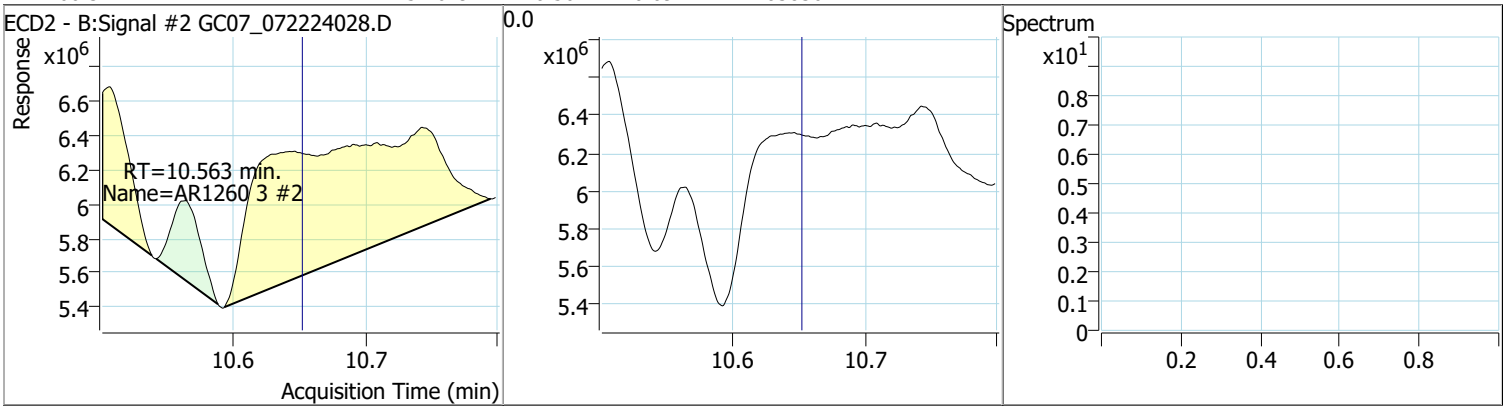
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	192.1138	10.17	-0.01	21846286				



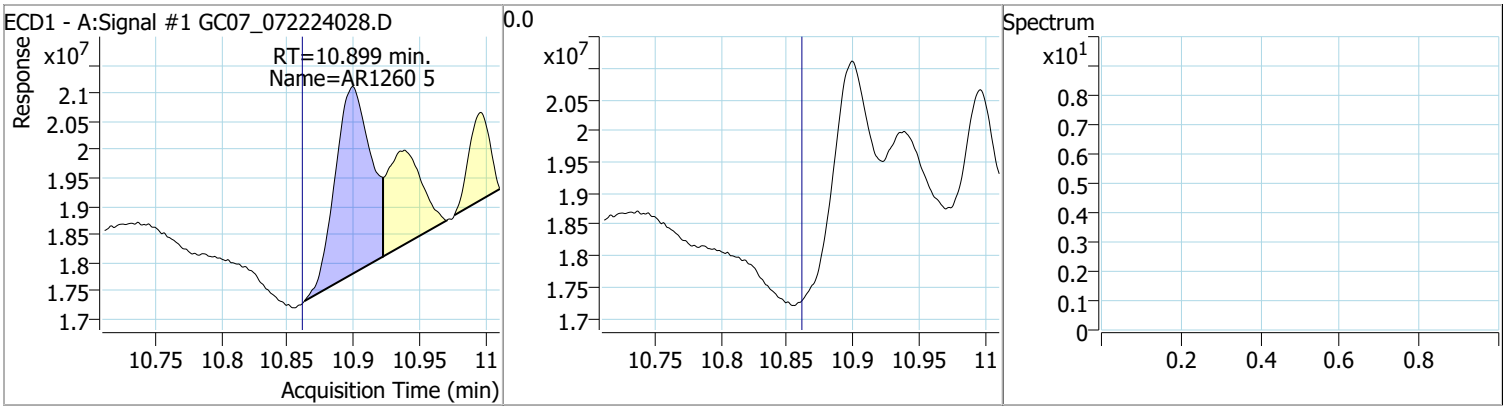
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	54.6466	10.17	-0.05	2026867				



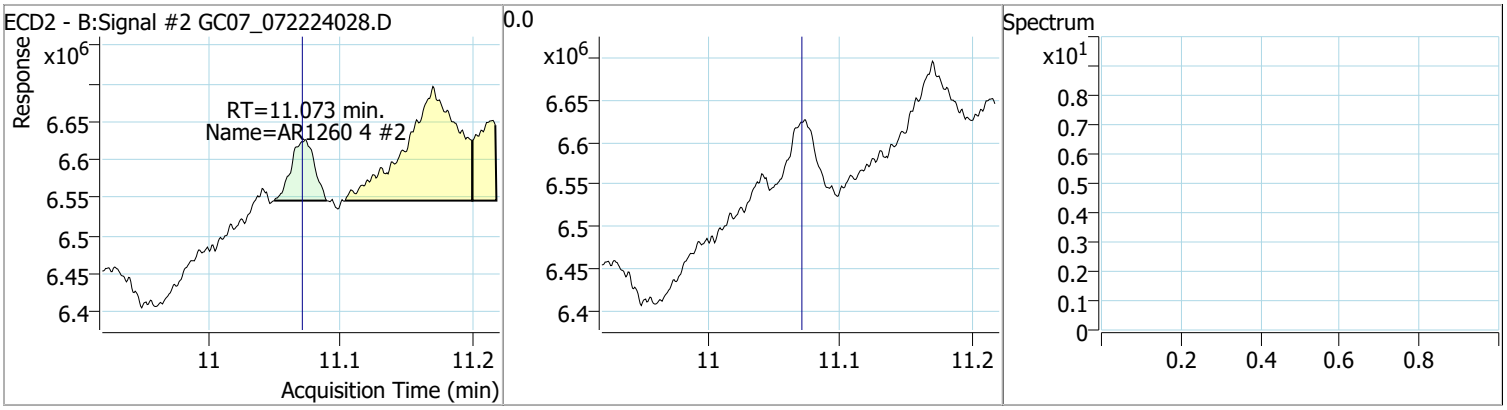
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	15.7649	10.56	-0.09	703836				



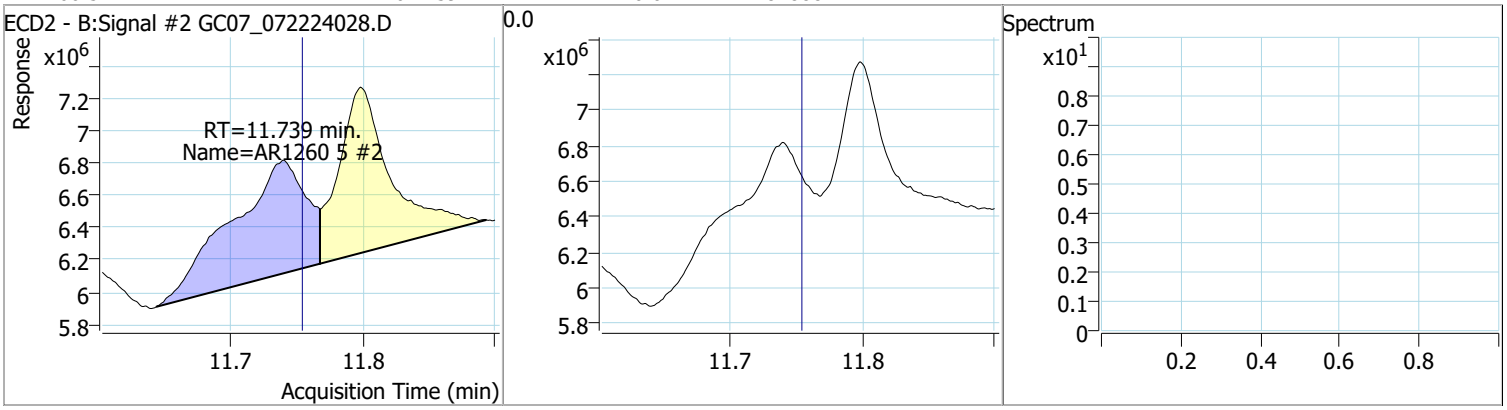
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	45.2743	10.90	0.04	6164997				



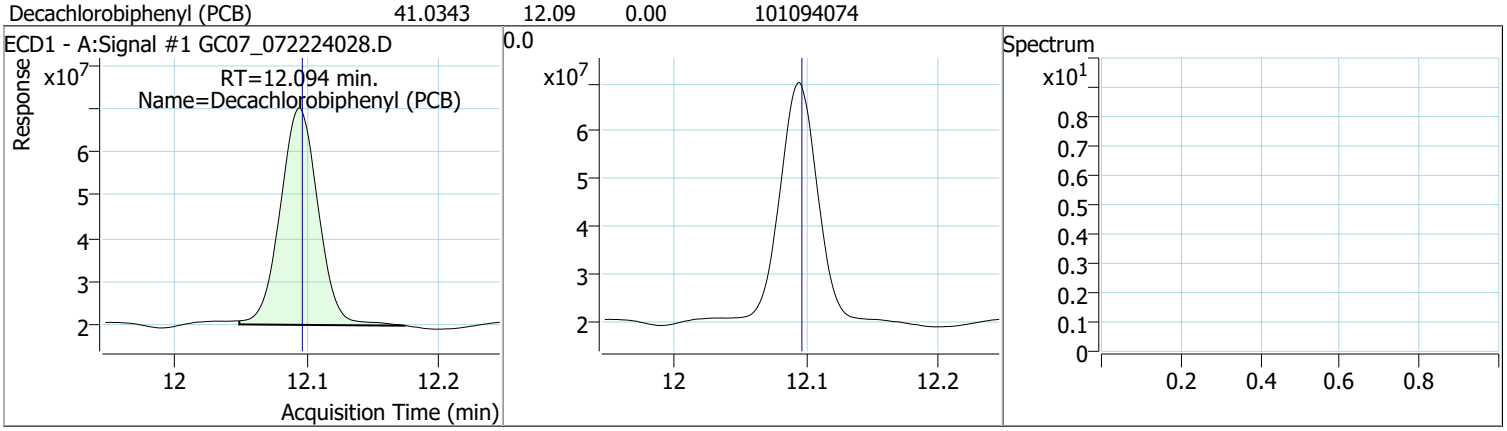
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.4571	11.07	0.01	97596				



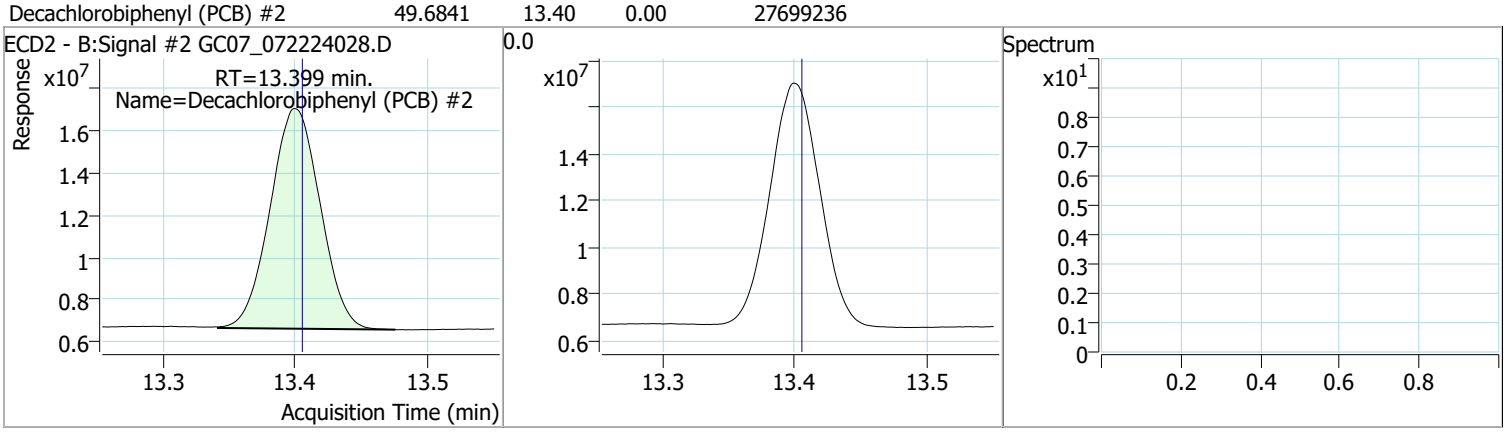
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	67.2597	11.74	-0.01	2818887				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.0343	12.09	0.00	101094074				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.6841	13.40	0.00	27699236				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-009	Client ID:	DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB
Seqnum:	464294361029	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224029	Batch:	345600	Time:	22-JUL-2024 17:55
Cal:	464259633001	Caldate:	28-JUN-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	14.94	ug/L	ND	0.59	119%	0.50		u
Aroclor-1016 Peak # 1	B	59.53	ug/L	0.60	0.05	168%			
Aroclor-1016 Peak # 2	B	3.586	ug/L	0.04	0.32	160%			
Aroclor-1016 Peak # 3	B	0	ug/L	ND	1.86				
Aroclor-1016 Peak # 4	B	4.965	ug/L	0.05	0.07	37%			
Aroclor-1016 Peak # 5	B	6.629	ug/L	0.07	0.65	163%			
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	45.54	ug/L	ND	1.5	107%	0.50		u
Aroclor-1260 Peak # 1	B	81.64	ug/L	0.82	2.40	99%			
Aroclor-1260 Peak # 2	B	58.48	ug/L	0.58	0.01	194%			
Aroclor-1260 Peak # 3	B	10.59	ug/L	0.11	0.33	102%			
Aroclor-1260 Peak # 4	B	8.050	ug/L	0.08	4.25	193%			
Aroclor-1260 Peak # 5	B	68.92	ug/L	0.69	0.53	27%			
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	41.79	pg/uL	0.5000	0.4179	84	19-121	u
Decachlorobiphenyl (PCB)	B	41.04	pg/uL	0.5000	0.4104	82	19-121	c+ u

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

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10318117	-5.91
1-bromo-2-nitrobenzene (PCB)	A	47936344	44285587	-7.62

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	12686726	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.44	**???**	

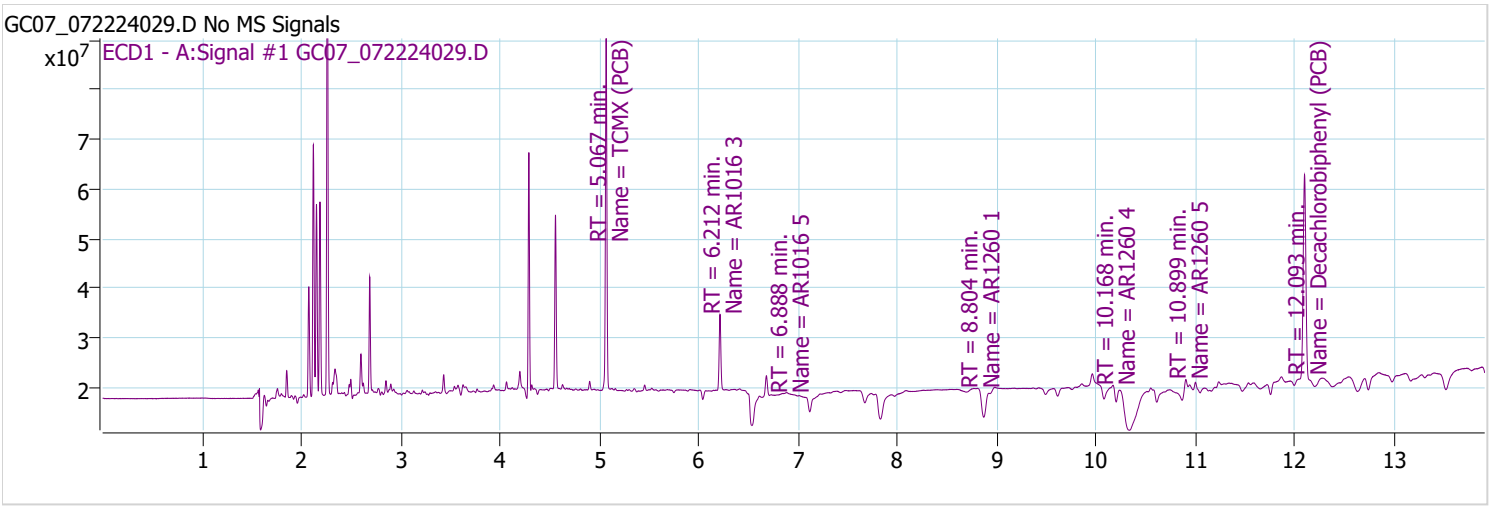
07/23/24 : WIPE/1dm3-10ML

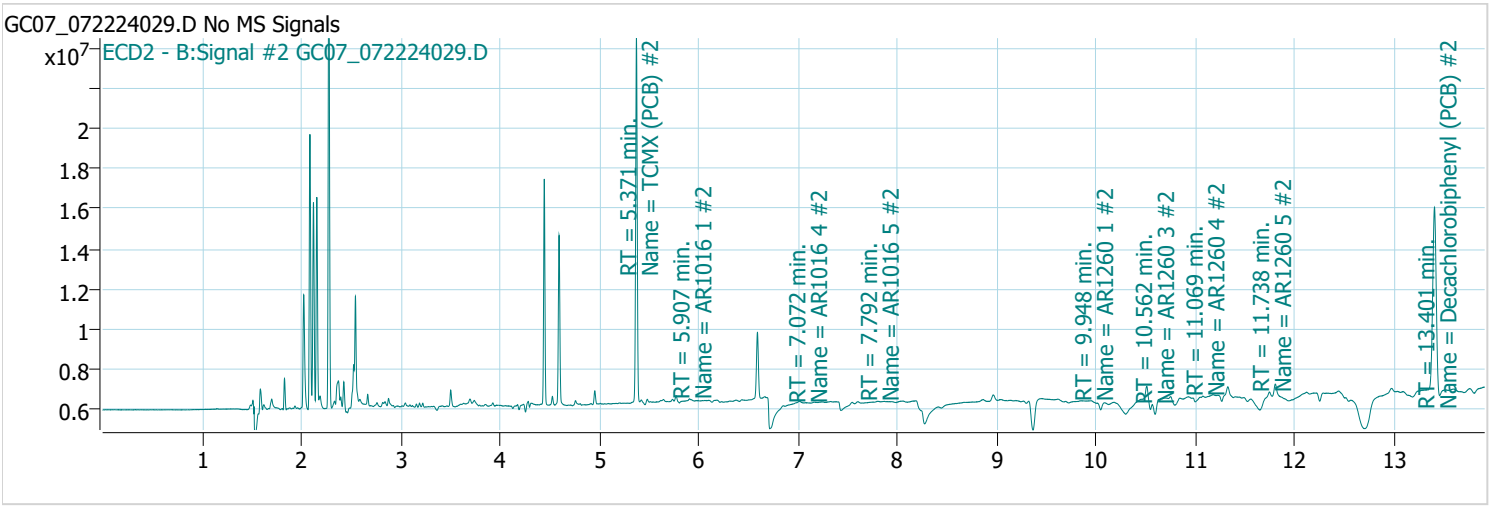
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Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 5:55:20 PM
Sample Name	512356-009, 345600, 1	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



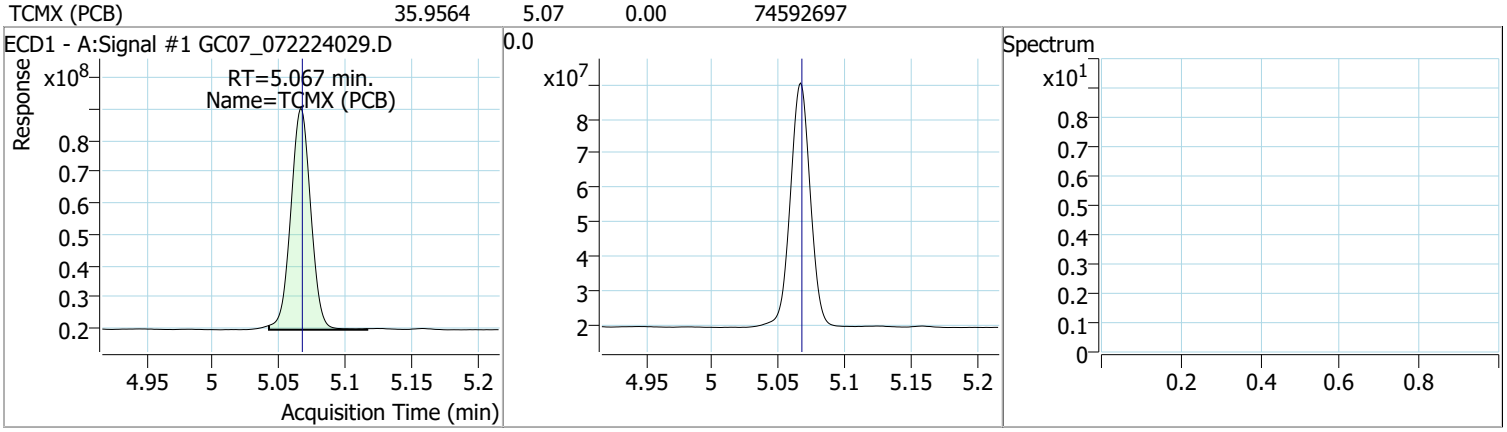


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	44285587.264	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.444	0.0	10318116.802	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.067	0.0	74592696.893	35.9564	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.78%		*	
S TCMX (PCB) #2	5.371	0.0	20681883.405	41.7893	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.95%		*	
S Decachlorobiphenyl (PCB)	12.093	0.0	86854147.802	35.5718	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.86%		*	
S Decachlorobiphenyl (PCB) #2	13.401	0.0	23133165.621	41.0396	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.20%		*	
Target Compounds							QValue

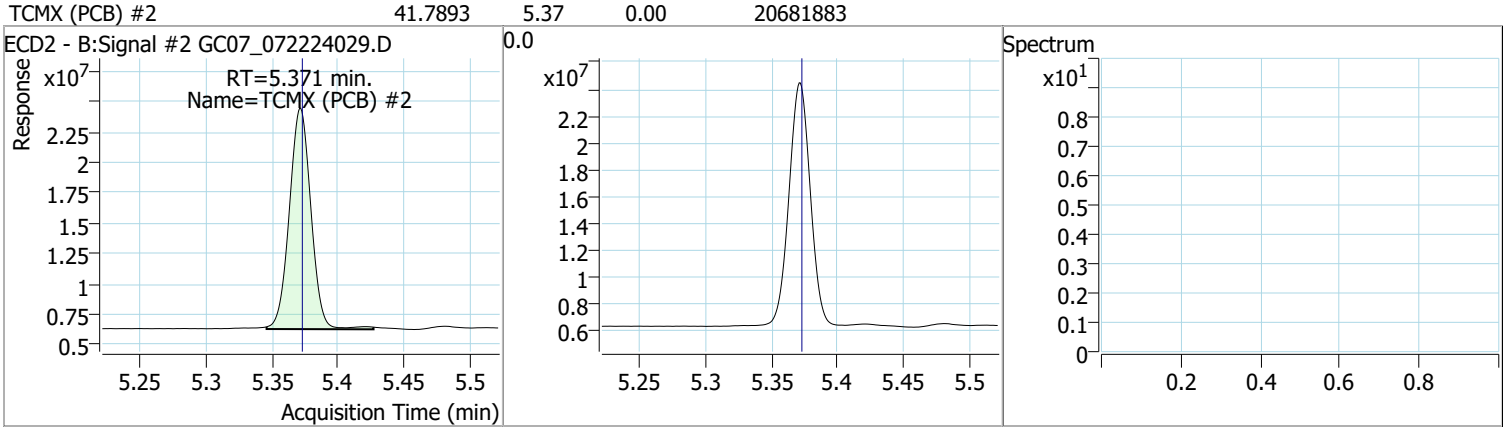
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.388	0.0	202881.521	5.2411	ng/ml	100
T AR1016 2	5.788	0.0	2565609.254	31.9041	ng/ml	100
T AR1016 1 #2	5.907	0.0	648543.248	59.5298	ng/ml	100
T AR1016 3	6.212	0.0	18769415.170	186.4447	ng/ml	100
T AR1016 2 #2	6.309	0.0	80726.828	3.5865	ng/ml	100
T AR1016 4	6.357	0.0	484753.085	7.2040	ng/ml	100
T AR1016 5	6.888	0.0	3841684.940	64.9505	ng/ml	100
T AR1016 3 #2	0.000		0	N.D.		
T AR1016 4 #2	7.072	0.0	103042.786	4.9654	ng/ml	100
T AR1016 5 #2	7.792	0.0	111254.280	6.6285	ng/ml	100
T AR1260 1	8.804	0.0	28506435.212	240.3031	ng/ml	100
T AR1260 2	9.264	0.0	157523.722	0.8694	ng/ml	100
T AR1260 3	9.713	0.0	6390826.928	32.7839	ng/ml	100
T AR1260 1 #2	9.948	0.0	2437195.517	81.6448	ng/ml	100
T AR1260 4	10.168	0.0	47896775.659	424.9926	ng/ml	100
T AR1260 2 #2	10.178	0.0	2193162.072	58.4827	ng/ml	100
T AR1260 3 #2	10.562	0.0	478009.668	10.5895	ng/ml	100
T AR1260 5	10.899	0.0	7107135.290	52.6633	ng/ml	100
T AR1260 4 #2	11.069	0.0	229770.800	8.0500	ng/ml	100
T AR1260 5 #2	11.738	0.0	2920355.739	68.9178	ng/ml	100

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

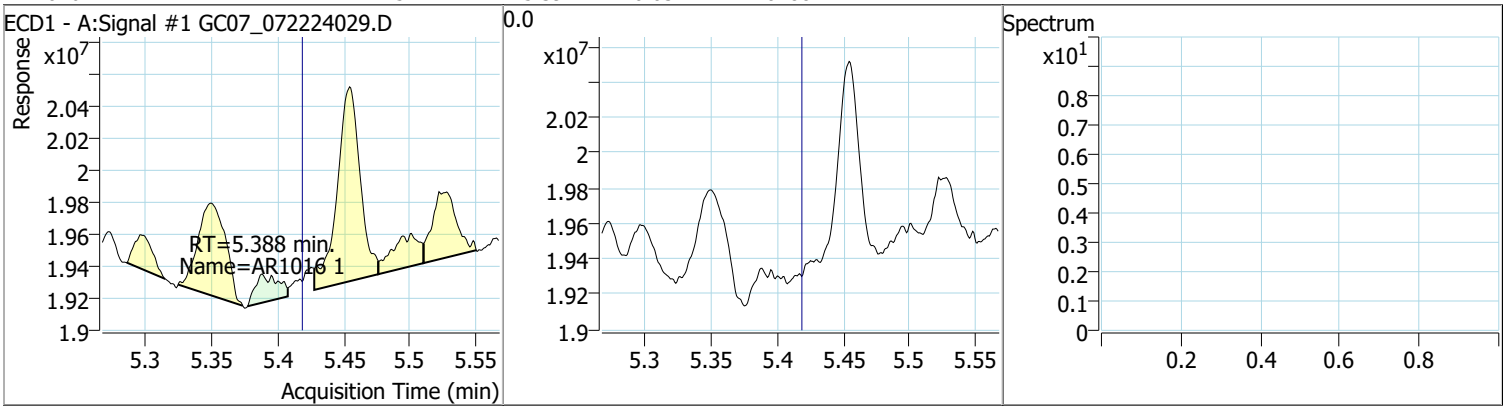
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.9564	5.07	0.00	74592697				



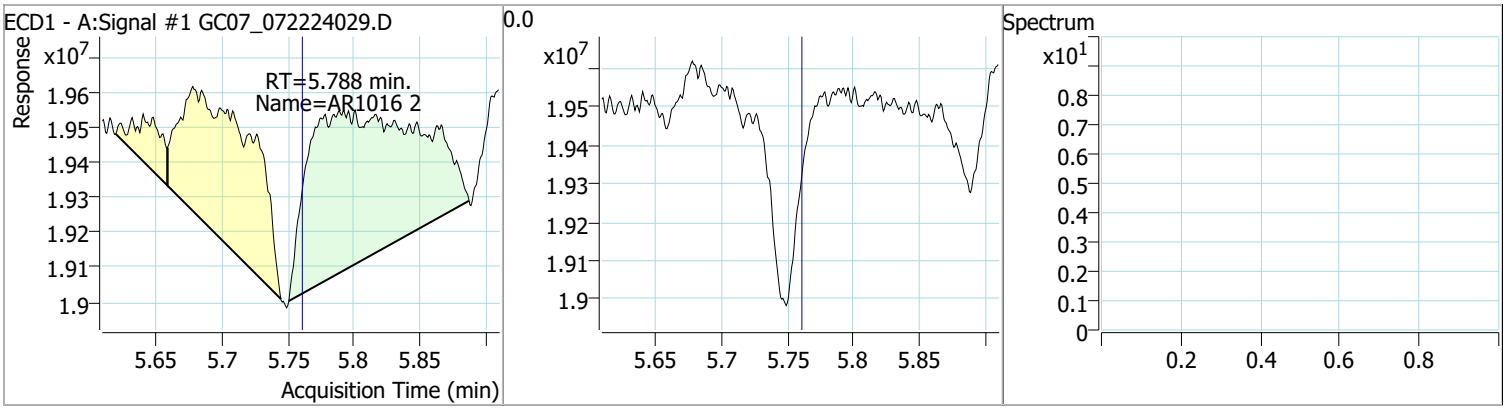
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.7893	5.37	0.00	20681883				



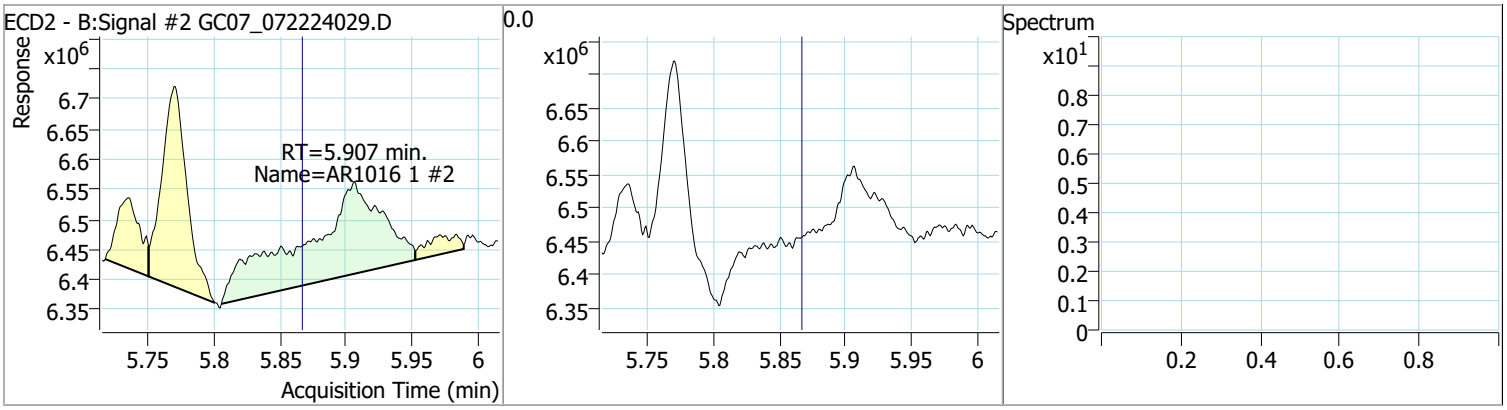
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.2411	5.39	-0.03	202882				



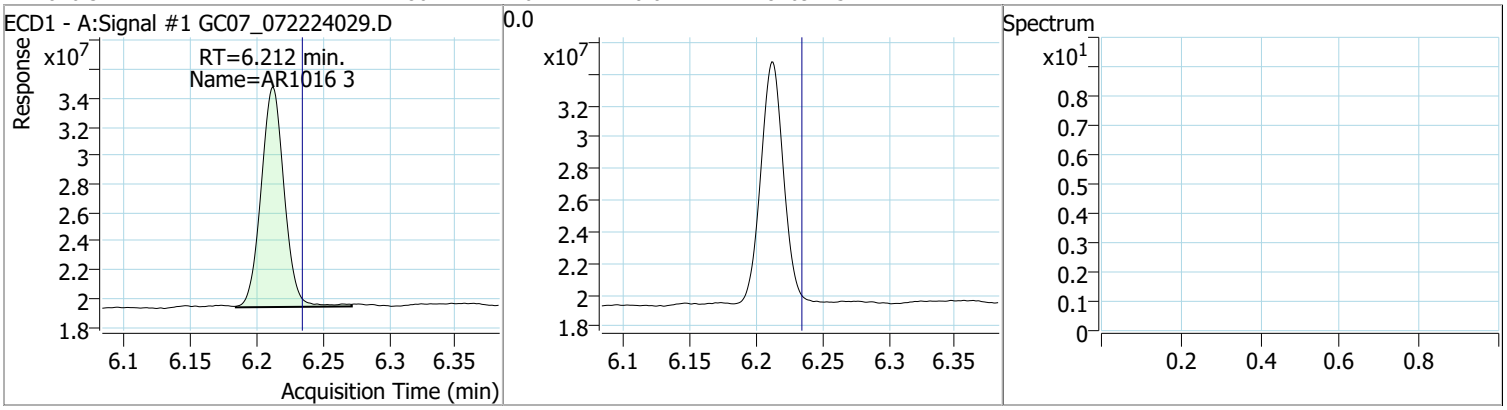
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.9041	5.79	0.03	2565609				



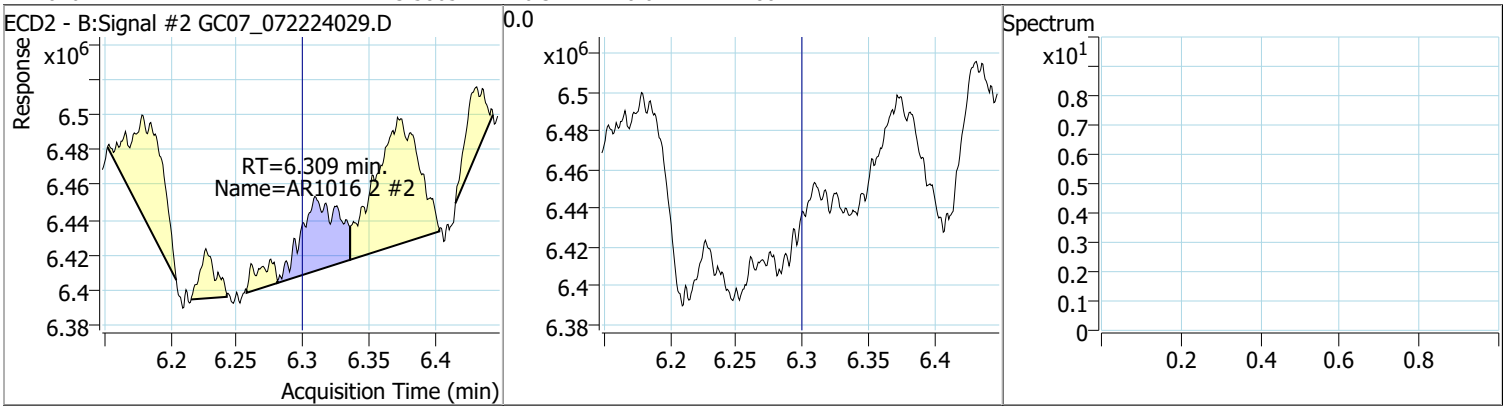
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	59.5298	5.91	0.04	648543				



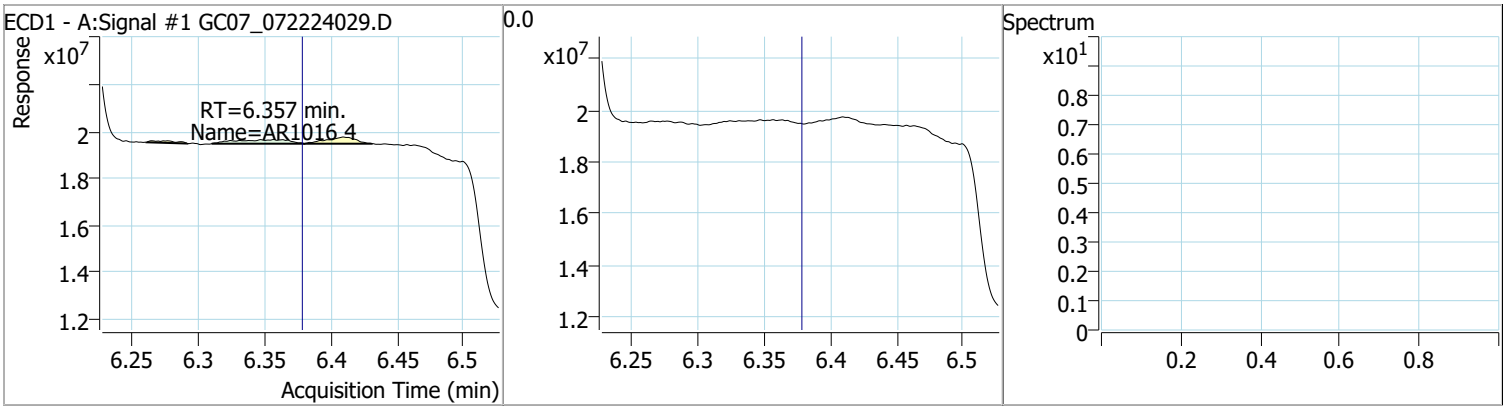
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	186.4447	6.21	-0.02	18769415				



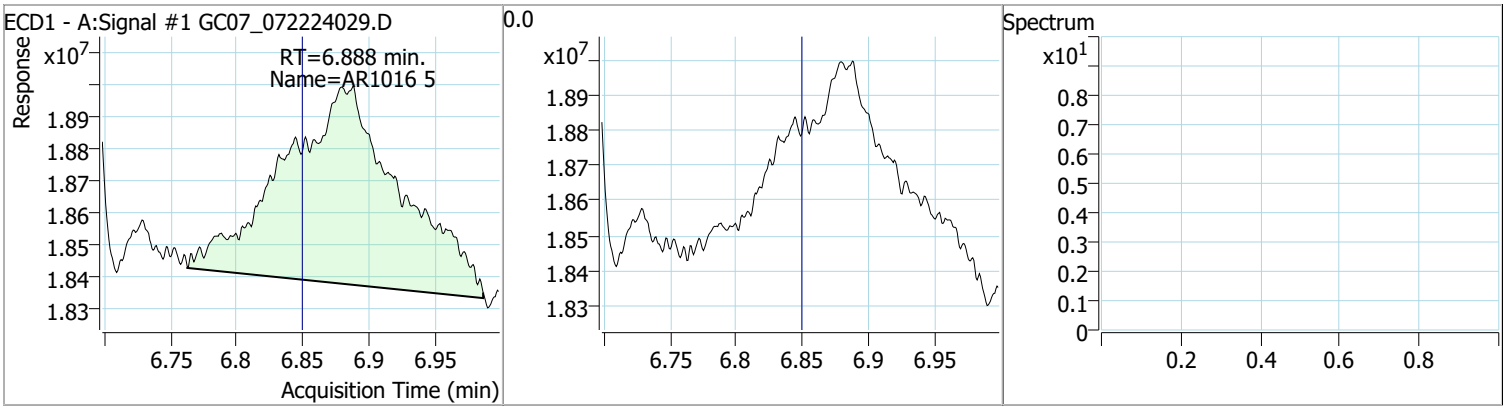
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.5865	6.31	0.01	80727				



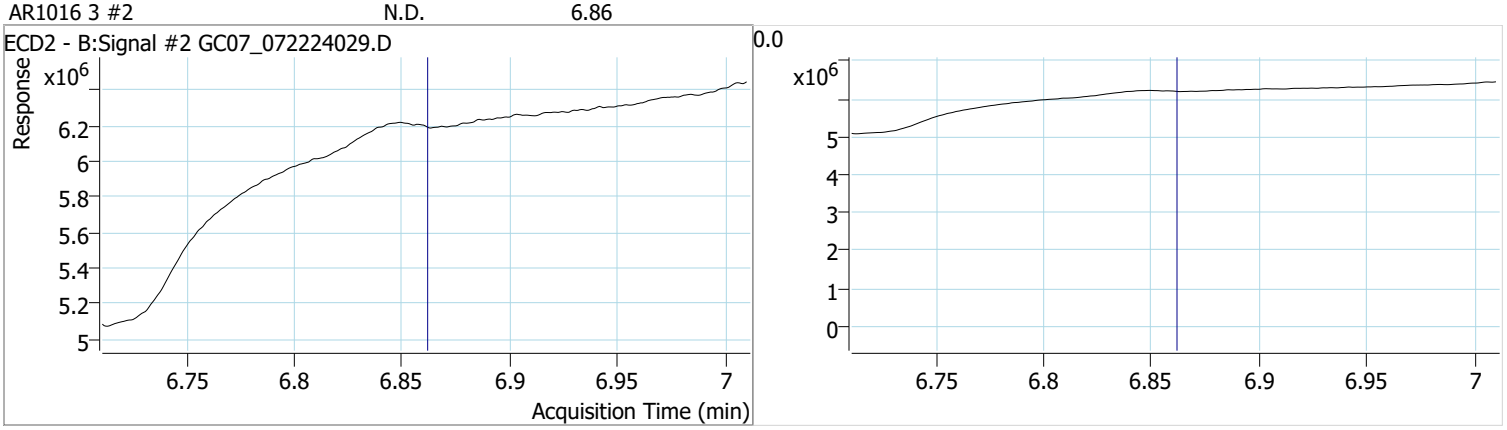
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.2040	6.36	-0.02	484753				



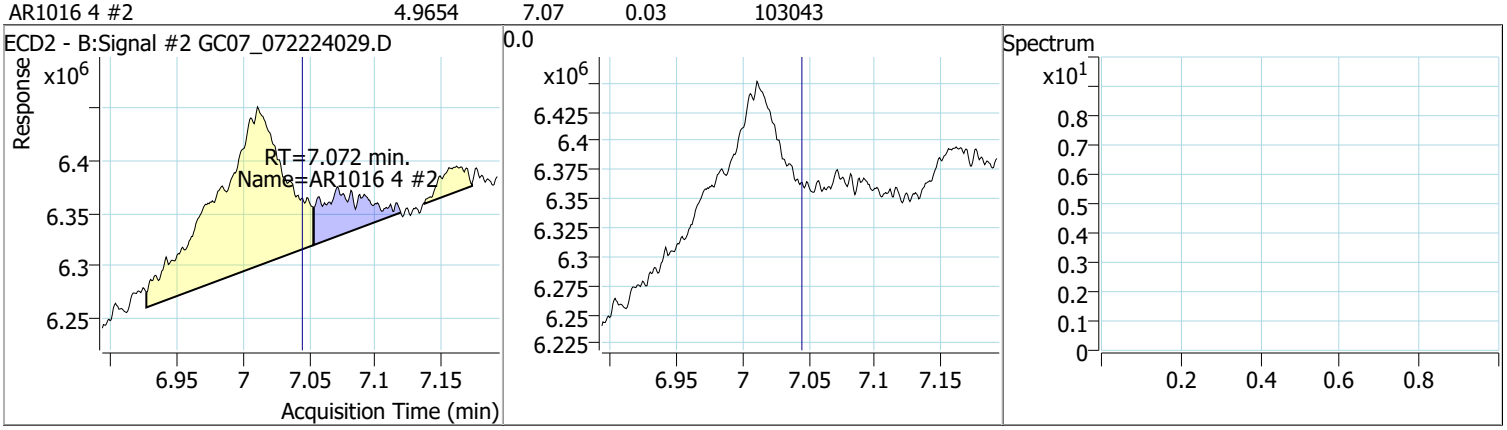
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	64.9505	6.89	0.04	3841685				



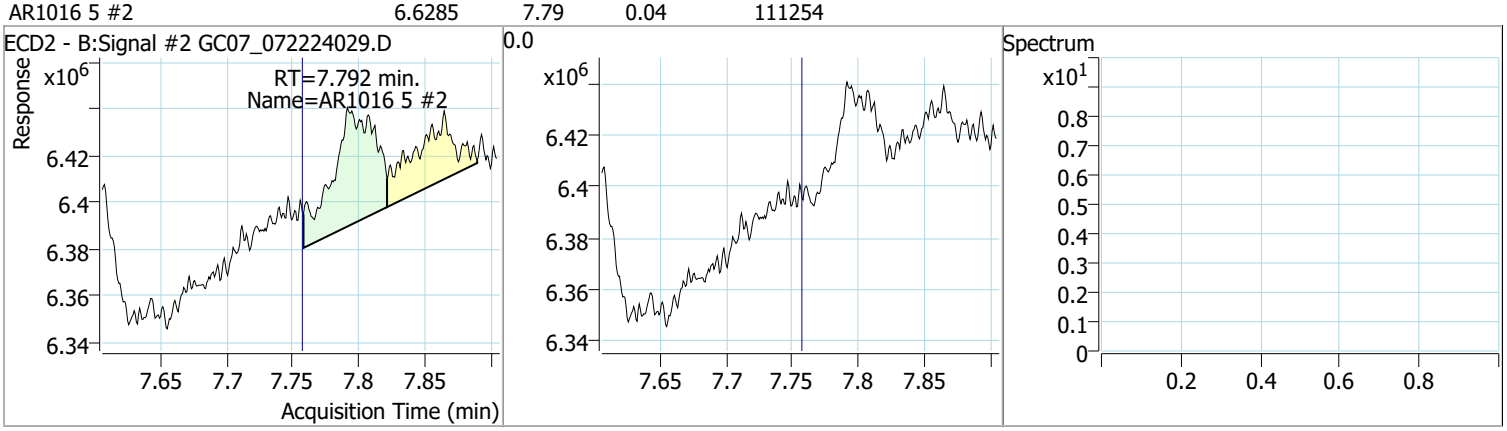
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 3 #2	N.D.	6.86		



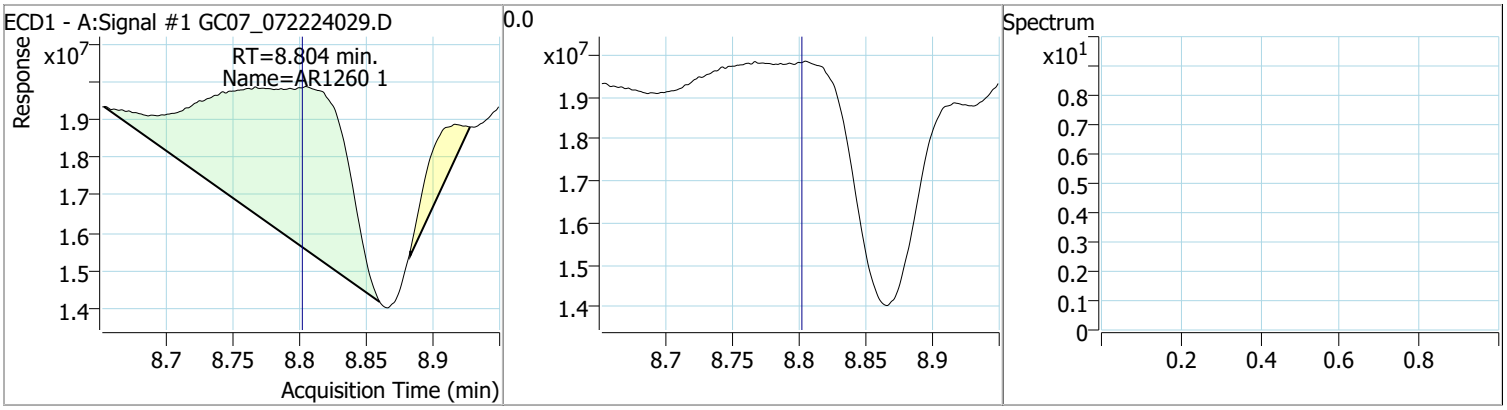
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.9654	7.07	0.03	103043				



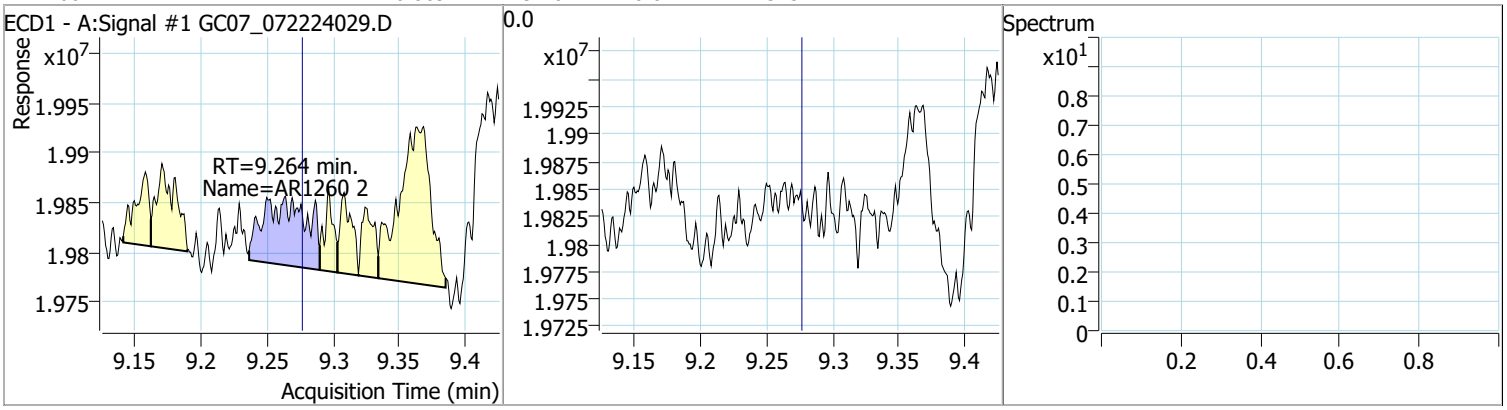
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	6.6285	7.79	0.04	111254				



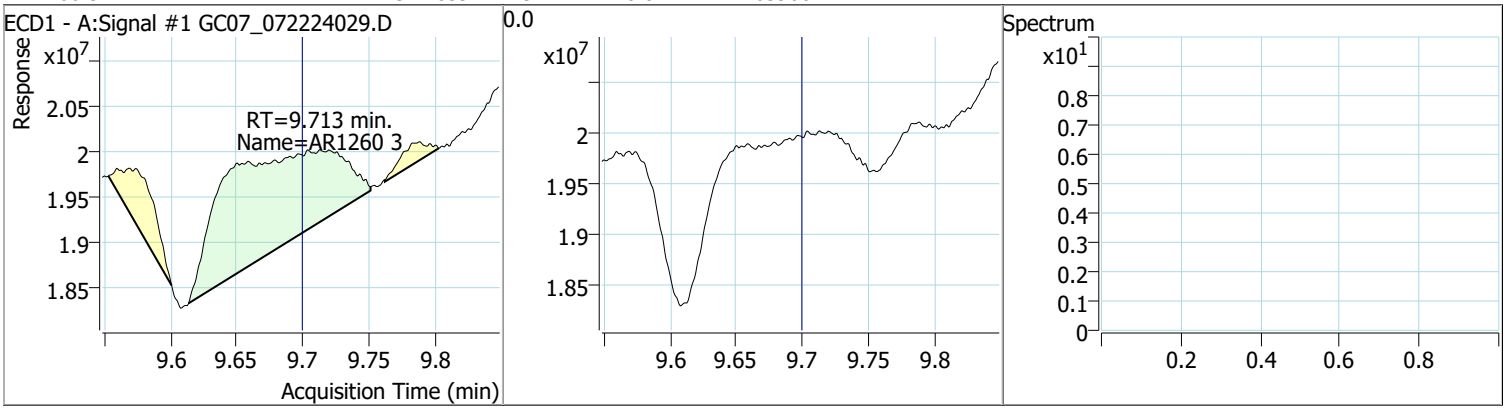
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	240.3031	8.80	0.00	28506435				



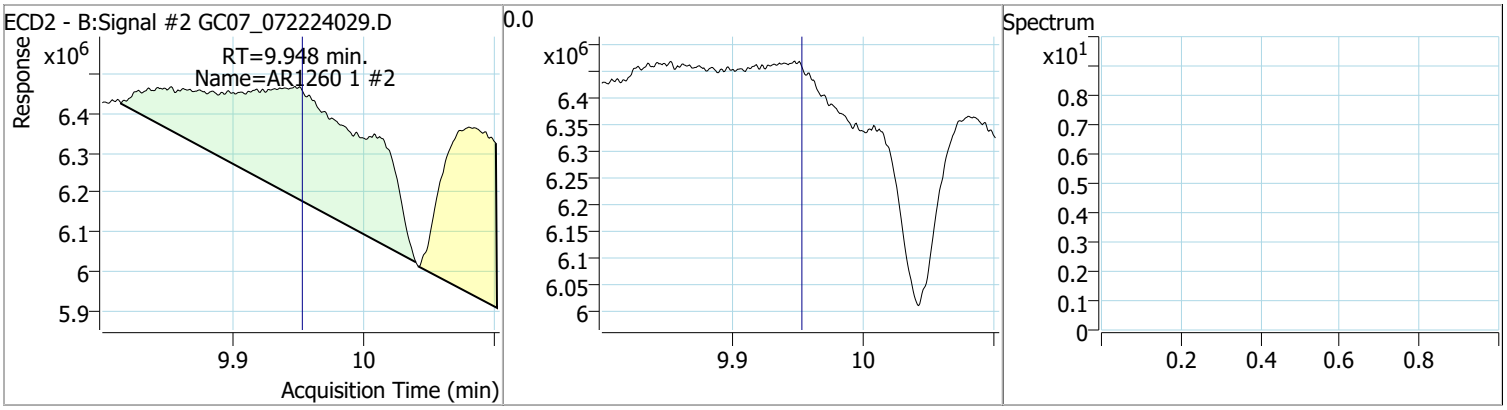
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.8694	9.26	-0.01	157524				



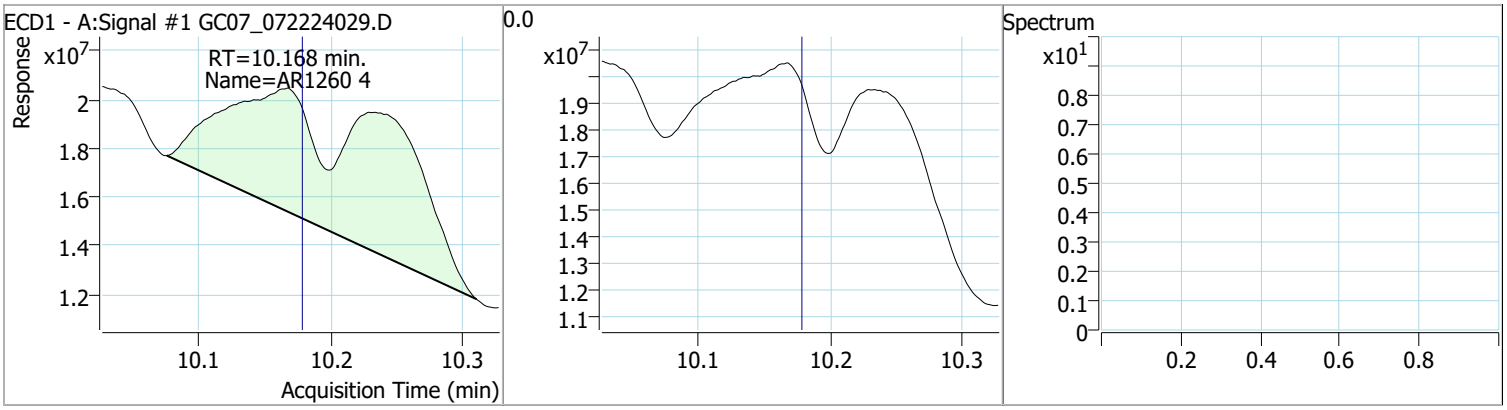
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	32.7839	9.71	0.01	6390827				



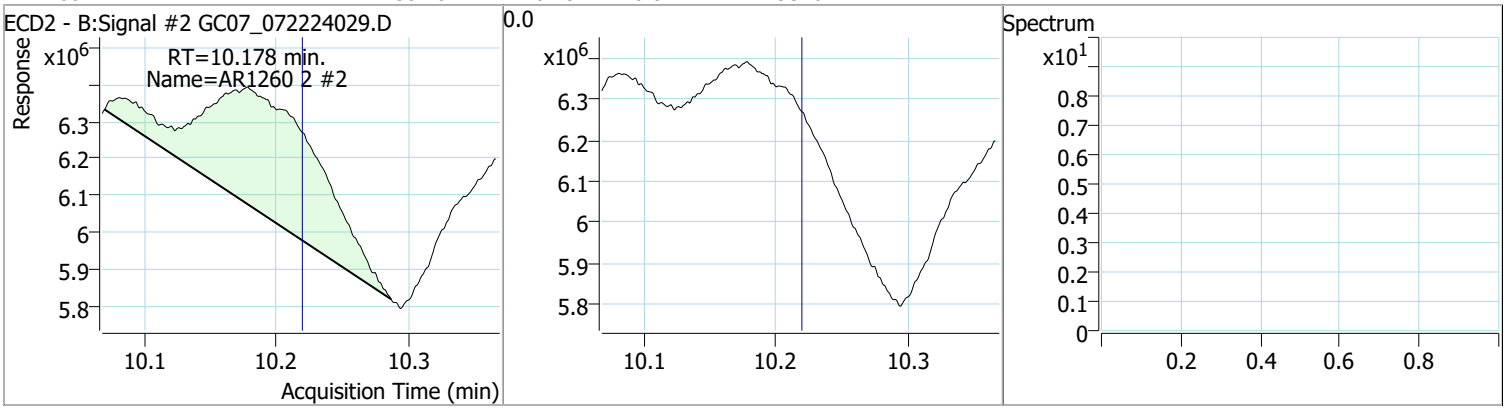
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	81.6448	9.95	0.00	2437196				



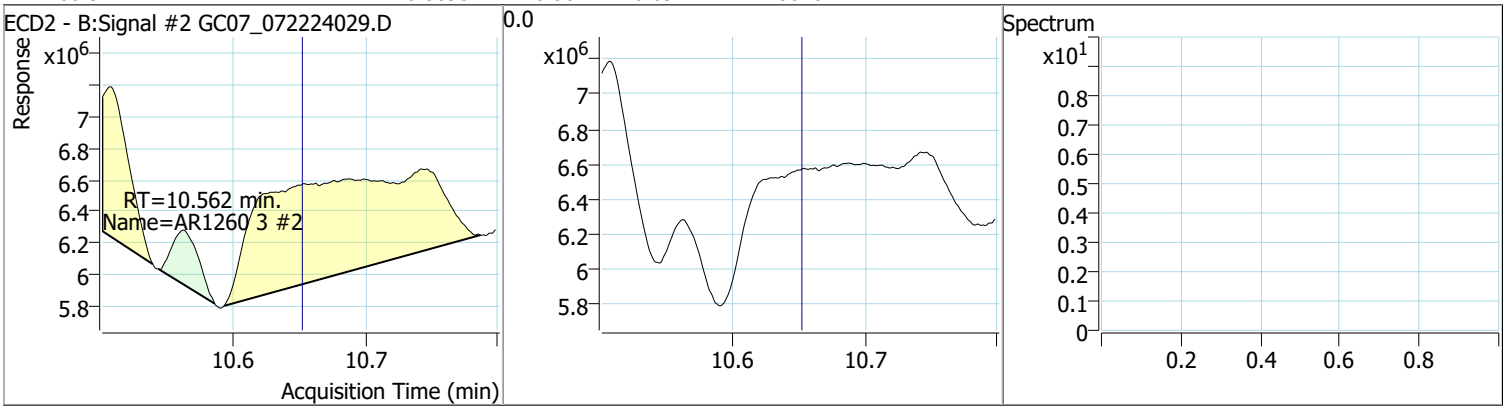
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	424.9926	10.17	-0.01	47896776				



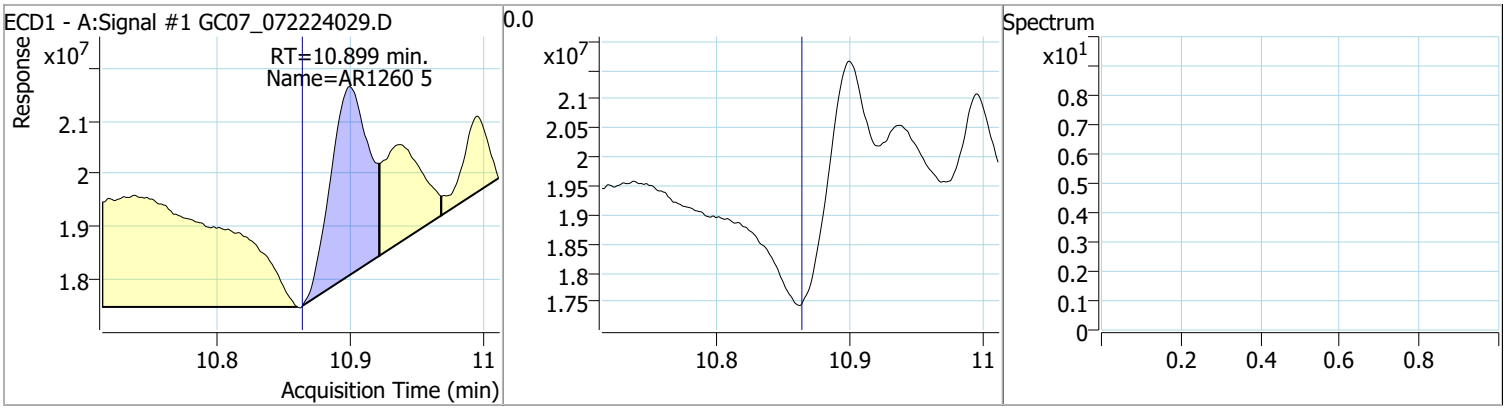
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.4827	10.18	-0.04	2193162				



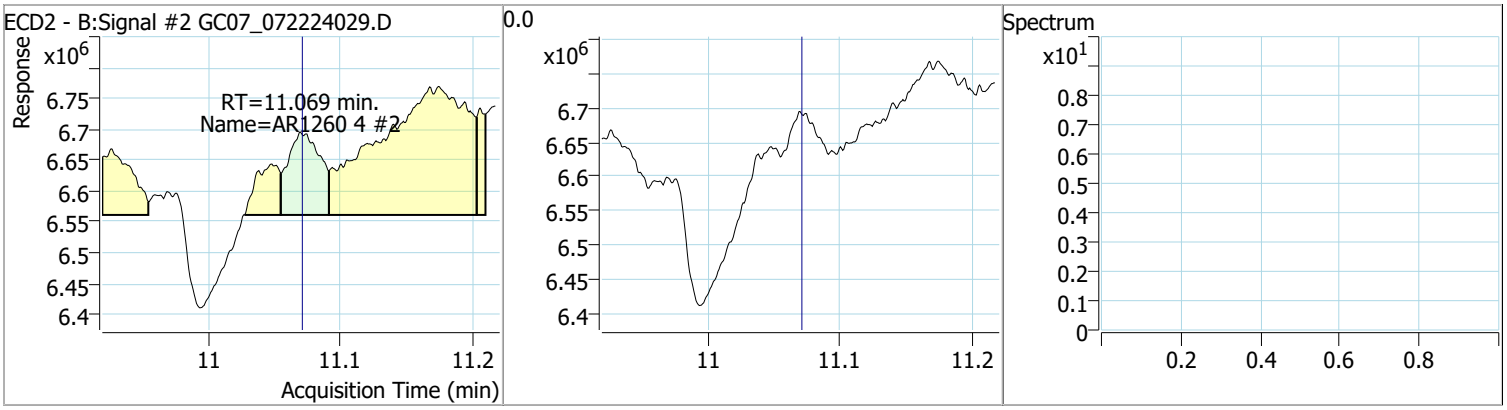
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.5895	10.56	-0.09	478010				



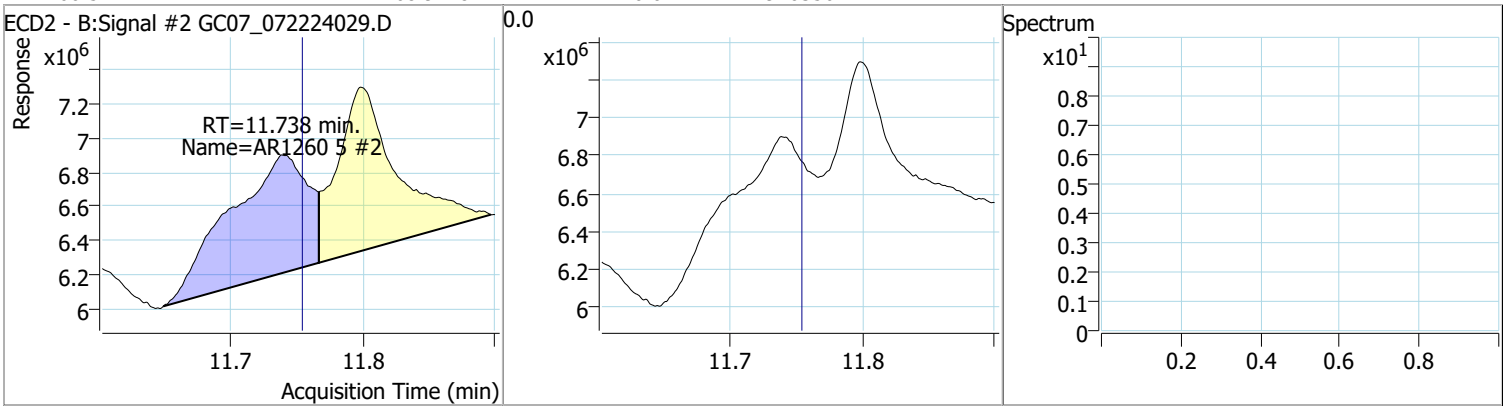
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	52.6633	10.90	0.04	7107135				



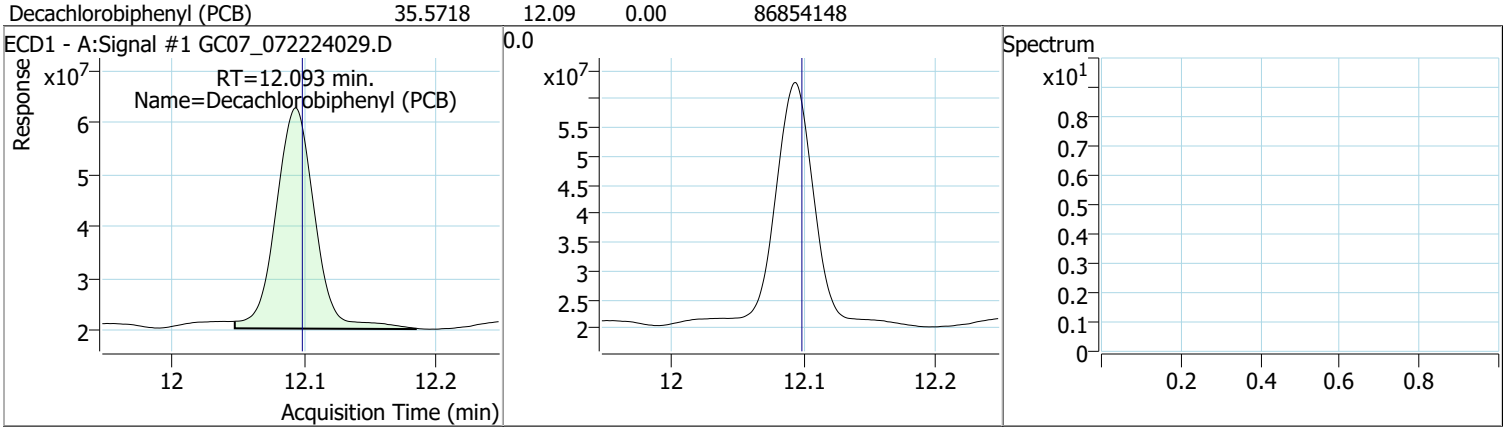
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.0500	11.07	0.00	229771				



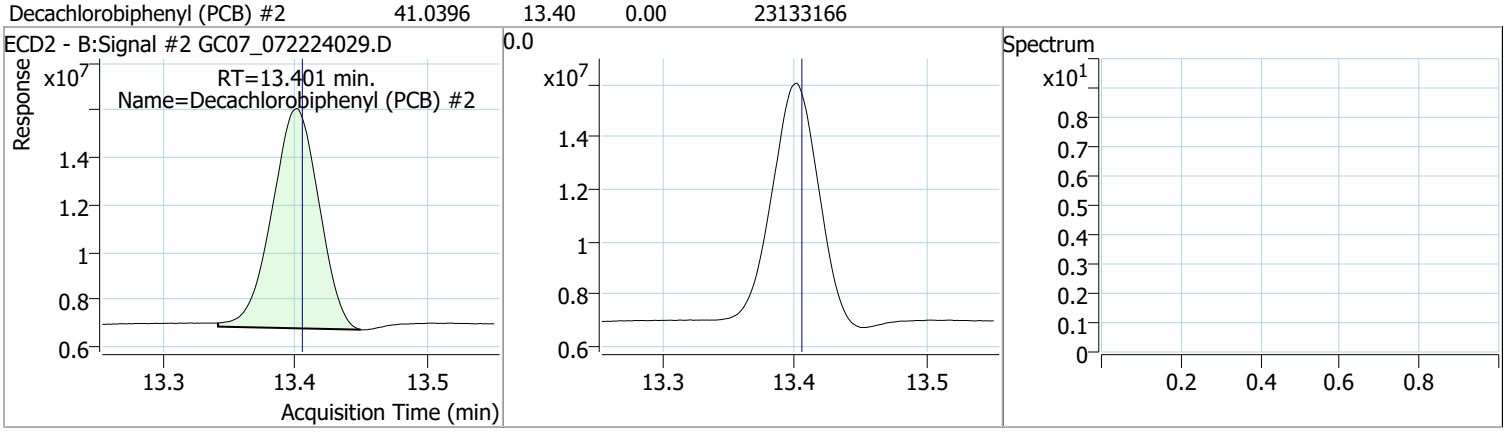
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	68.9178	11.74	-0.01	2920356				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.5718	12.09	0.00	86854148				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.0396	13.40	0.00	23133166				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-011	Client ID:	DOOR-S-15.6GW-PS-17-240718-P-LA
Seqnum:	464294361040	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224040	Batch:	345600	Time:	22-JUL-2024 21:13
Cal:	464259633001	Caldate:	28-JUN-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	23.55	ug/L	ND	0.81	110%	0.50		u
Aroclor-1016 Peak # 1	B	97.56	ug/L	0.98	1.04	6%			
Aroclor-1016 Peak # 2	B	5.859	ug/L	0.06	0.04	34%			
Aroclor-1016 Peak # 3	B	9.320	ug/L	0.09	2.22	184%			
Aroclor-1016 Peak # 4	B	2.609	ug/L	0.03	0.58	183%			
Aroclor-1016 Peak # 5	B	2.400	ug/L	0.02	0.18	154%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	30.44	ug/L	ND	1.1	116%	0.50		u
Aroclor-1260 Peak # 1	B	94.58	ug/L	0.95	2.84	100%			
Aroclor-1260 Peak # 2	B	5.546	ug/L	0.06	0.08	34%			
Aroclor-1260 Peak # 3	B	14.67	ug/L	0.15	0.45	101%			
Aroclor-1260 Peak # 4	B	8.477	ug/L	0.08	1.71	181%			
Aroclor-1260 Peak # 5	B	28.93	ug/L	0.29	0.66	78%			
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	46.81	pg/uL	0.5000	0.4681	94	19-121	u
Decachlorobiphenyl (PCB)	B	52.57	pg/uL	0.5000	0.5257	105	19-121	c+ u

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

ISTD (CCV gc07_072224033)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11046426	9868129	-10.67
1-bromo-2-nitrobenzene (PCB)	A	49318701	37888609	-23.18

ISTD (ICAL gc07_072224036)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	58546976	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	12821265	**???**	**-100.00 ***

ISTD (ICAL gc07_072224037)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	12719406	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	58565972	**???**	**-100.00 ***

ISTD (ICAL gc07_072224038)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	84301546	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	17438876	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224033)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224036)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.44	**???**	

ISTD (ICAL gc07_072224037)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.29	**???**	

ISTD (ICAL gc07_072224038)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.45	**???**	

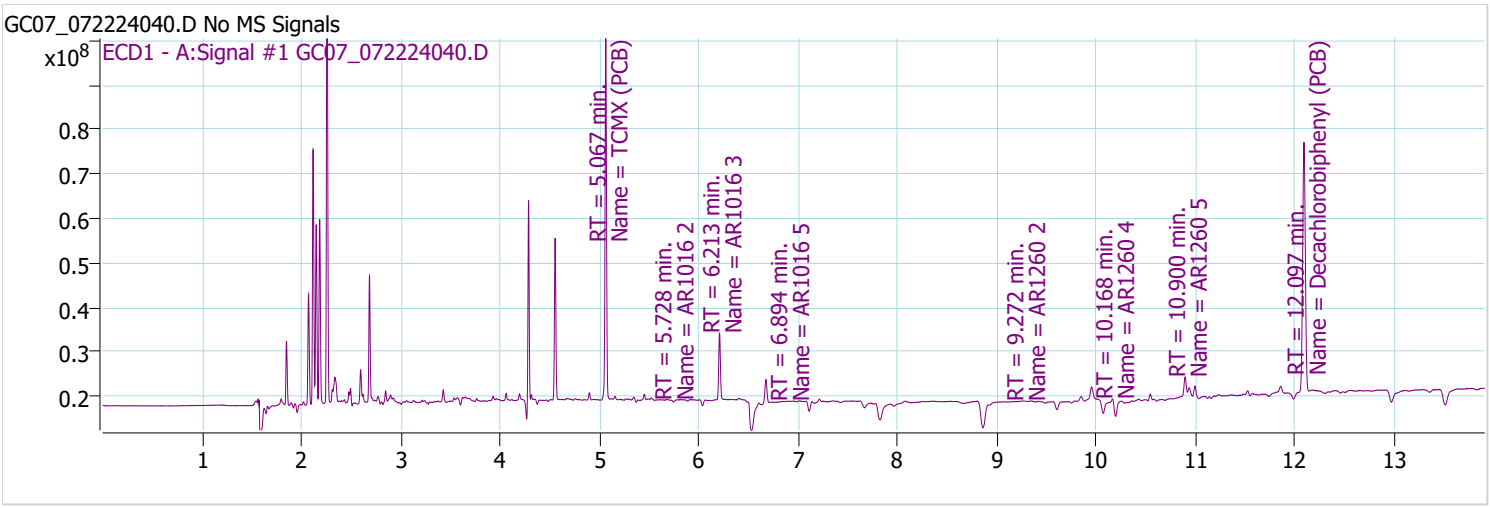
07/23/24 : WIPE/1dm3-10ML

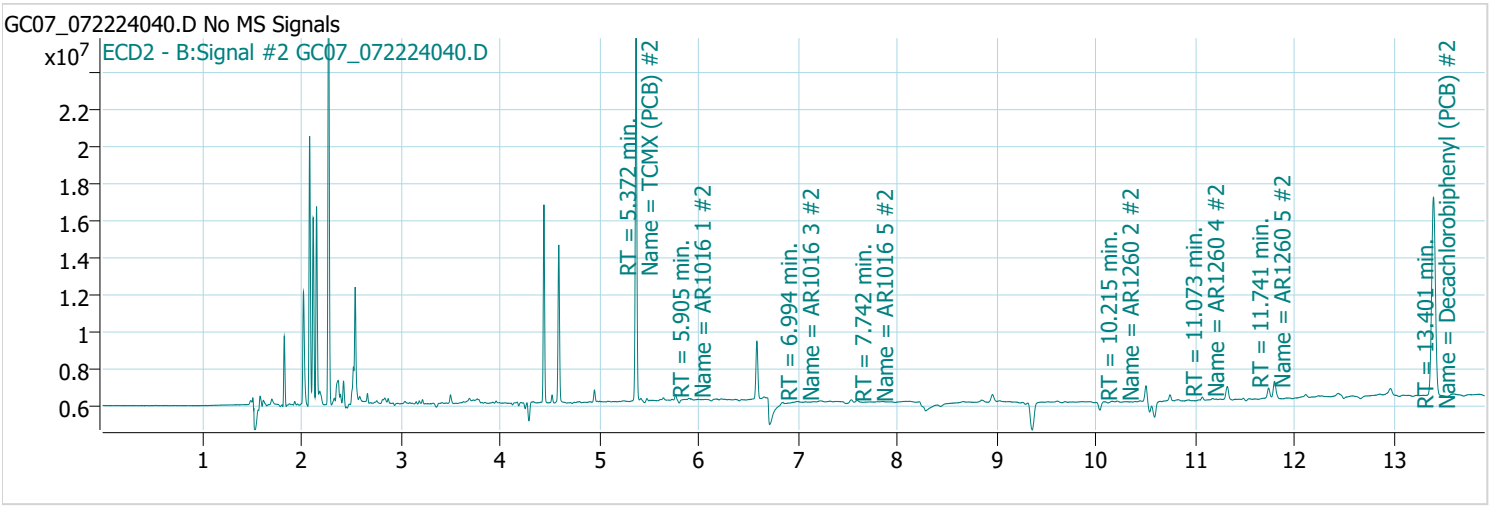
+=high bias c=CCV u=use

Analyst: MES 07/23/24 **Reviewer:** MTS 07/24/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224040.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 9:13:12 PM
Sample Name	512356-011, 345600, 1	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



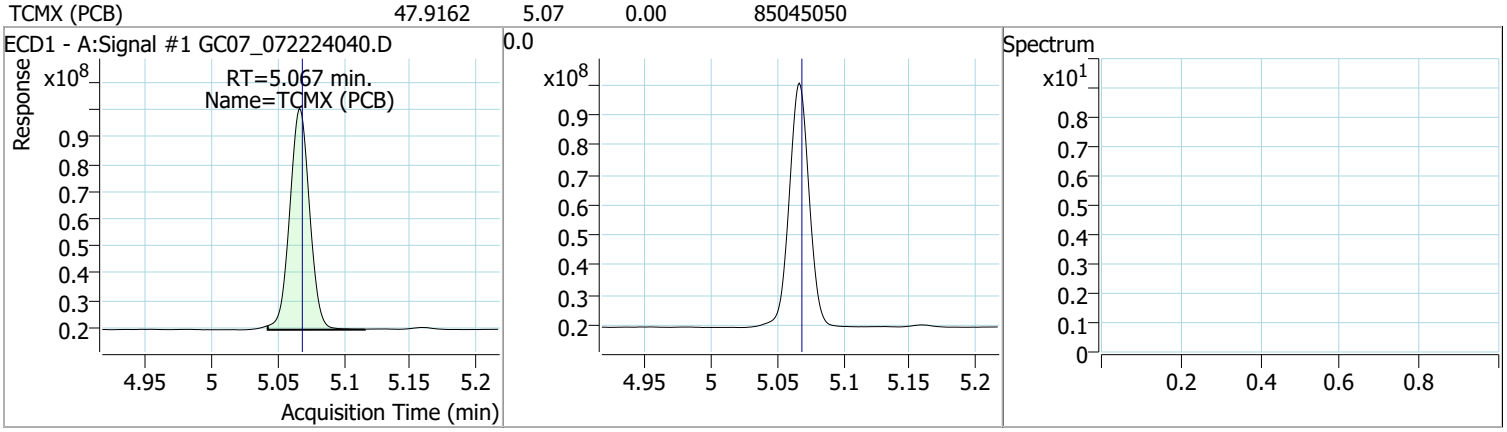


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.289	0.0	37888608.925	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.444	0.0	9868129.353	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.067	0.0	85045050.210	47.9162	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 239.58%		*	
S TCMX (PCB) #2	5.372	0.0	22157612.936	46.8127	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.06%		*	
S Decachlorobiphenyl (PCB)	12.097	0.0	111496907.541	53.3743	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 266.87%		*	
S Decachlorobiphenyl (PCB) #2	13.401	0.0	28337979.610	52.5657	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 262.83%		*	
Target Compounds							QValue

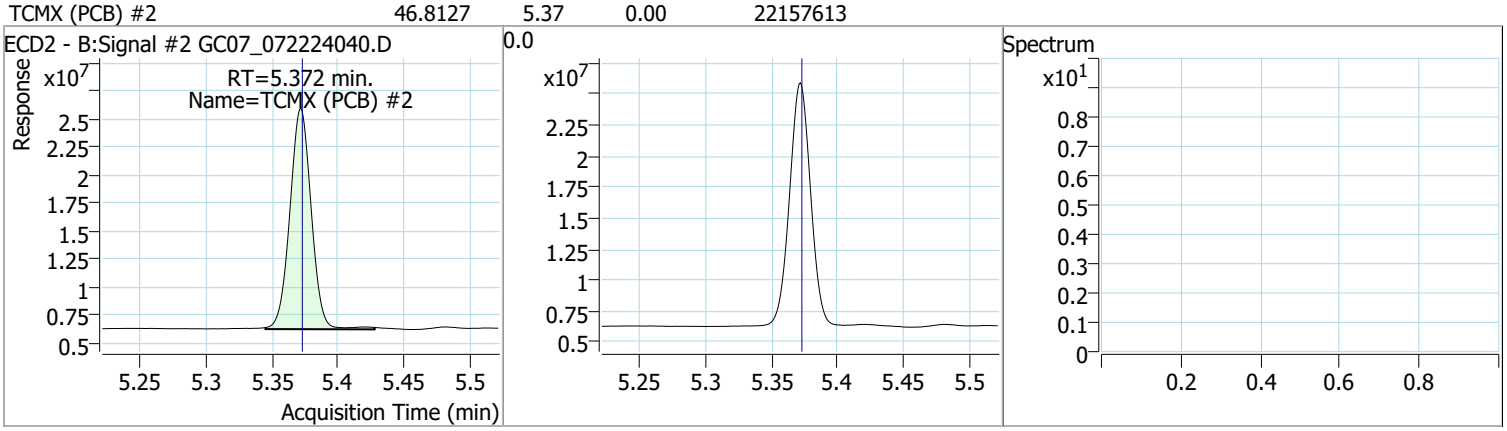
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.455	0.0	3431389.595	103.6102	ng/ml	100
T AR1016 2	5.728	0.0	285796.557	4.1540	ng/ml	100
T AR1016 1 #2	5.905	0.0	1016525.458	97.5618	ng/ml	100
T AR1016 3	6.213	0.0	18827609.781	222.0017	ng/ml	100
T AR1016 2 #2	6.308	0.0	126126.110	5.8590	ng/ml	100
T AR1016 4	6.408	0.0	3323180.060	57.7245	ng/ml	100
T AR1016 5	6.894	0.0	931844.584	18.4144	ng/ml	100
T AR1016 3 #2	6.994	0.0	250236.600	9.3203	ng/ml	100
T AR1016 4 #2	7.078	0.0	51773.456	2.6086	ng/ml	100
T AR1016 5 #2	7.742	0.0	38517.645	2.3995	ng/ml	100
T AR1260 1	8.805	0.0	28821327.197	283.9777	ng/ml	100
T AR1260 2	9.272	0.0	1211386.244	7.8151	ng/ml	100
T AR1260 3	9.728	0.0	7422619.706	44.5056	ng/ml	100
T AR1260 1 #2	9.868	0.0	2700275.917	94.5828	ng/ml	100
T AR1260 4	10.168	0.0	16469883.287	170.8124	ng/ml	100
T AR1260 2 #2	10.215	0.0	198894.657	5.5456	ng/ml	100
T AR1260 3 #2	10.563	0.0	633433.097	14.6725	ng/ml	100
T AR1260 5	10.900	0.0	7583377.073	65.6795	ng/ml	100
T AR1260 4 #2	11.073	0.0	231397.778	8.4766	ng/ml	100
T AR1260 5 #2	11.741	0.0	1172631.964	28.9350	ng/ml	100

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

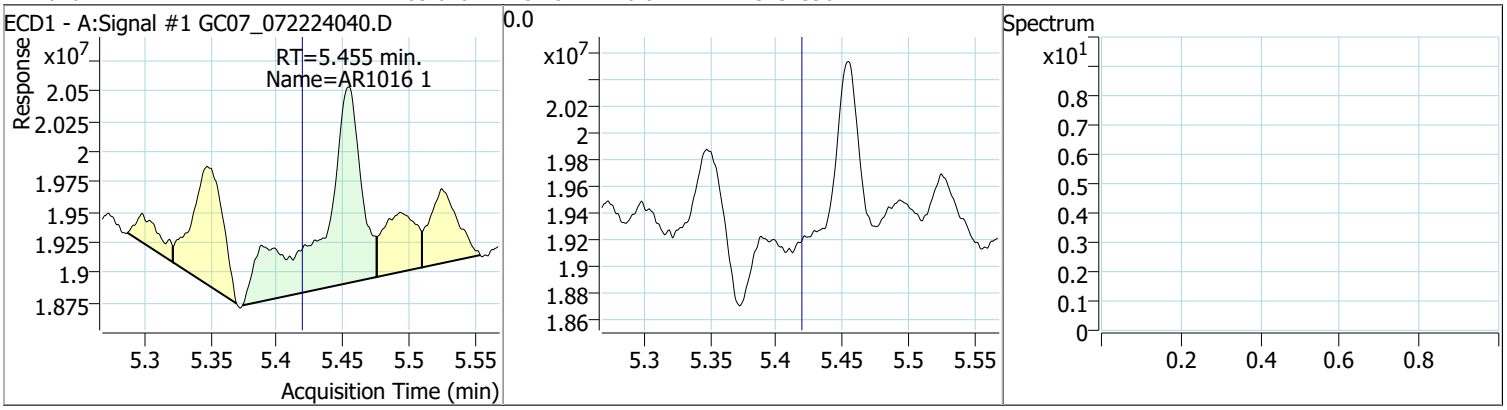
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.9162	5.07	0.00	85045050				



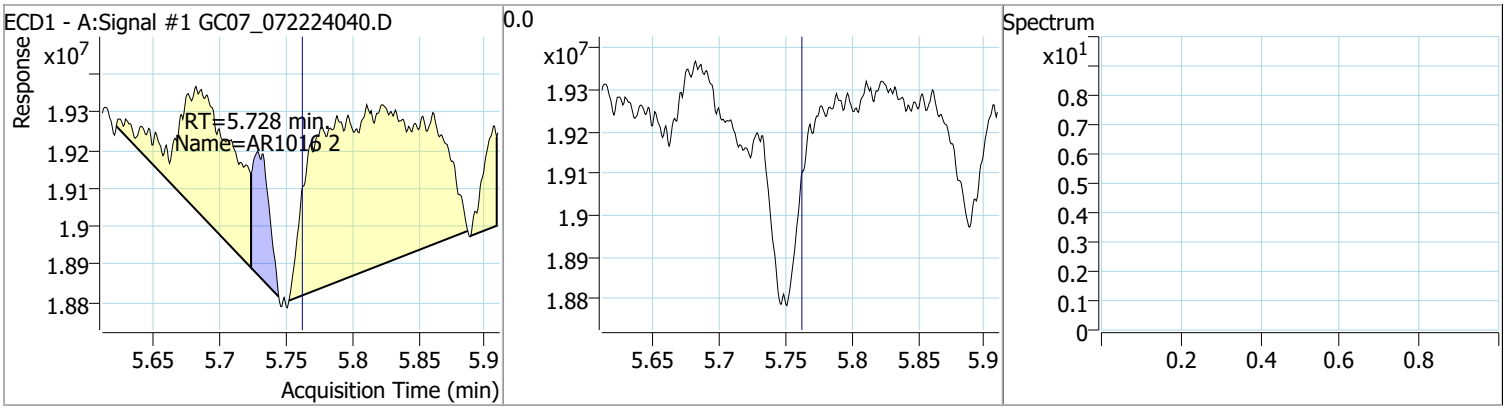
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.8127	5.37	0.00	22157613				



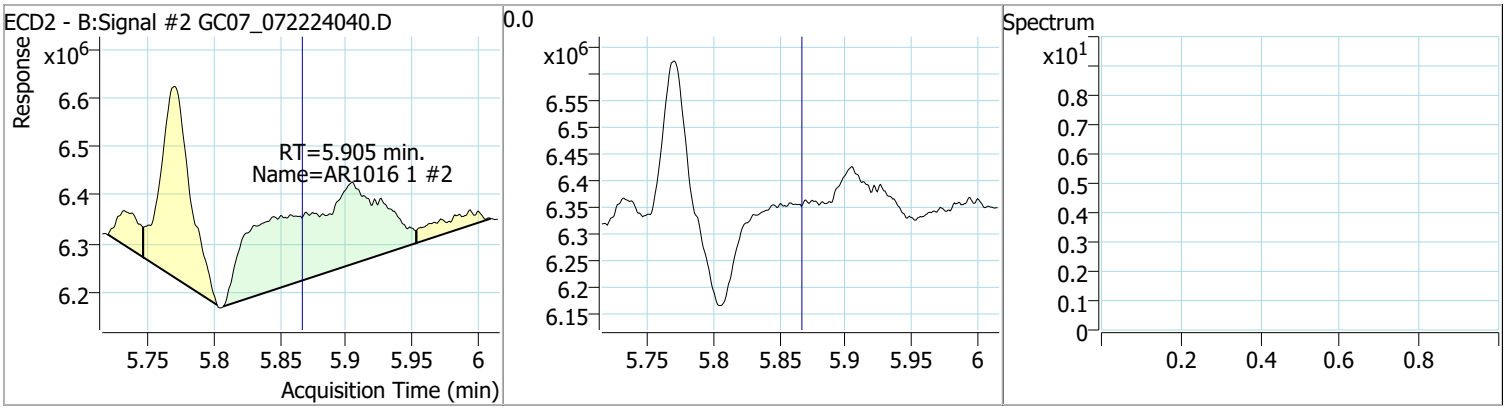
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	103.6102	5.46	0.04	3431390				



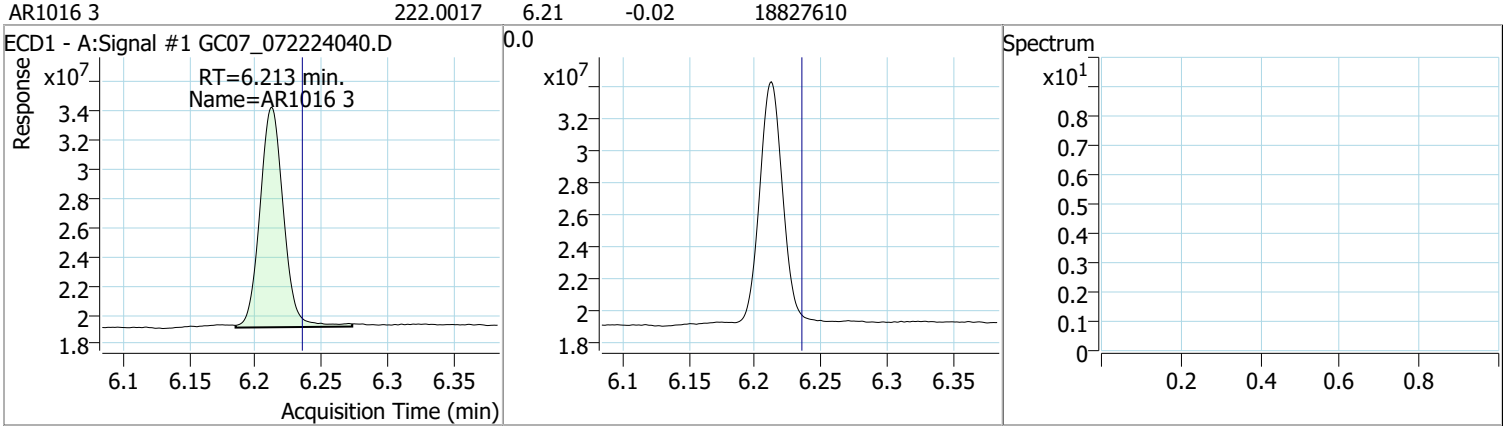
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.1540	5.73	-0.03	285797				



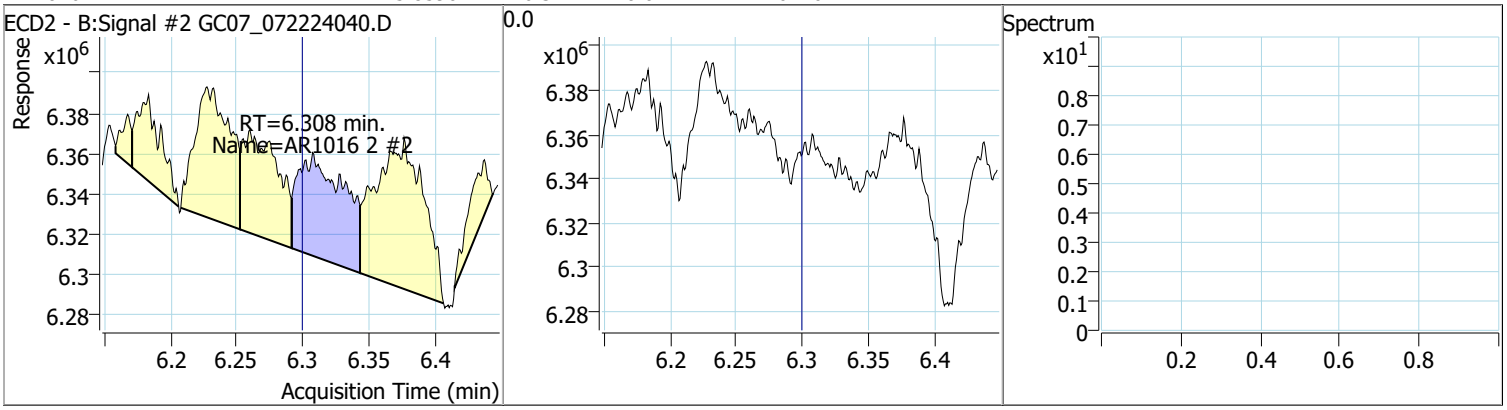
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	97.5618	5.91	0.04	1016525				



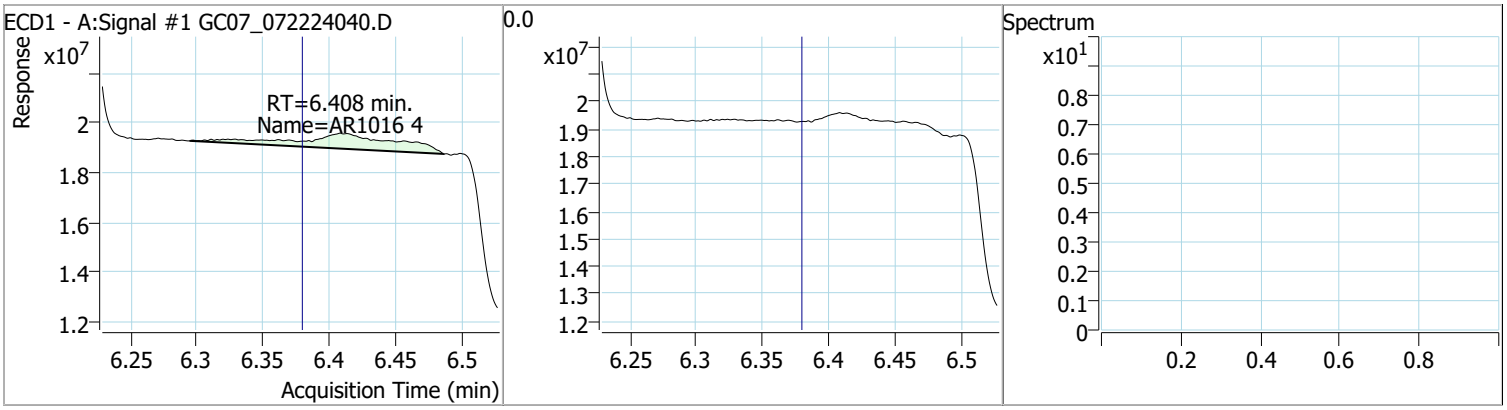
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	222.0017	6.21	-0.02	18827610				



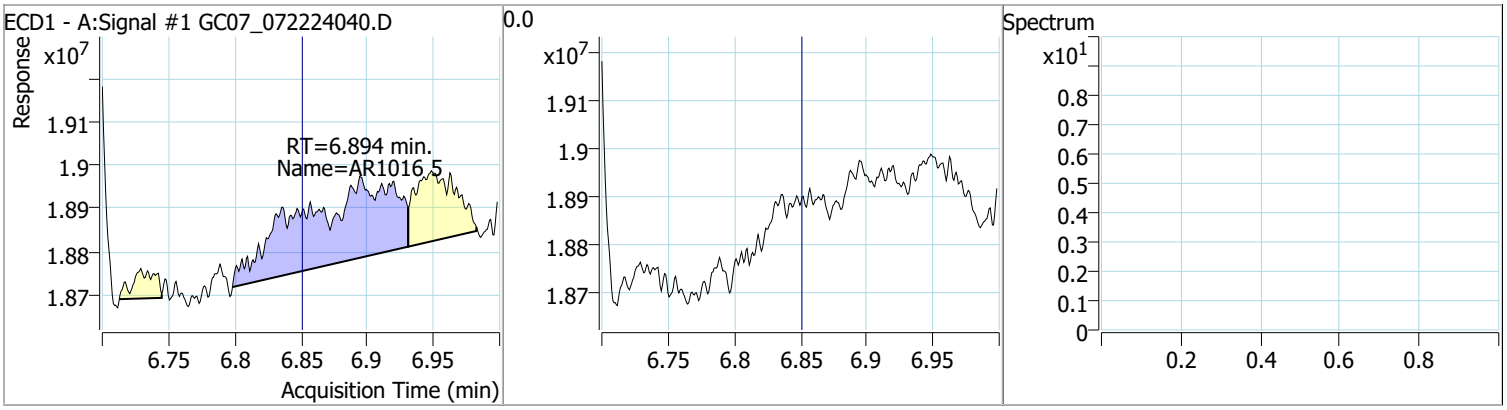
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	5.8590	6.31	0.01	126126				



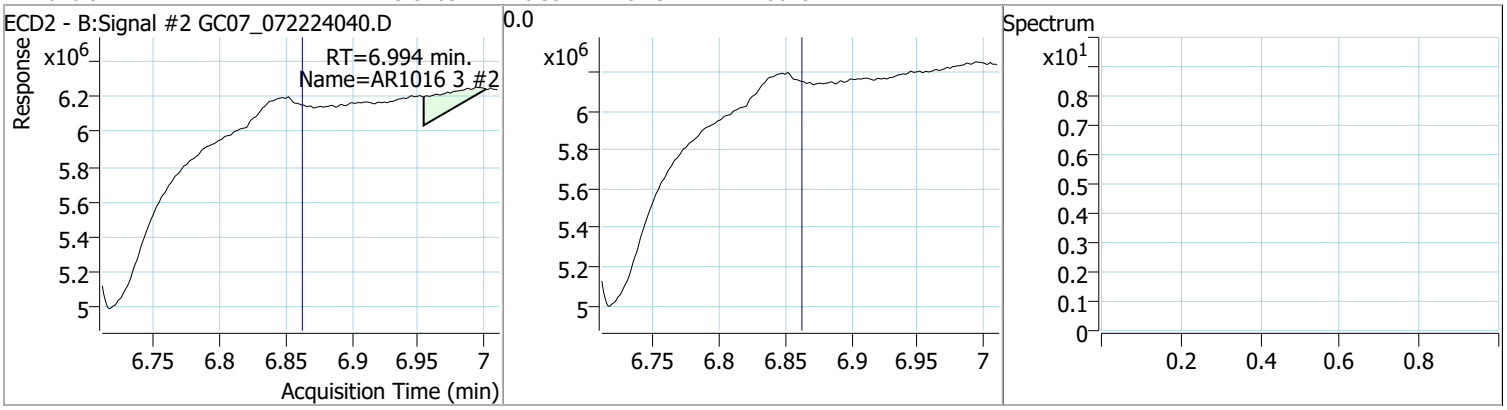
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	57.7245	6.41	0.03	3323180				



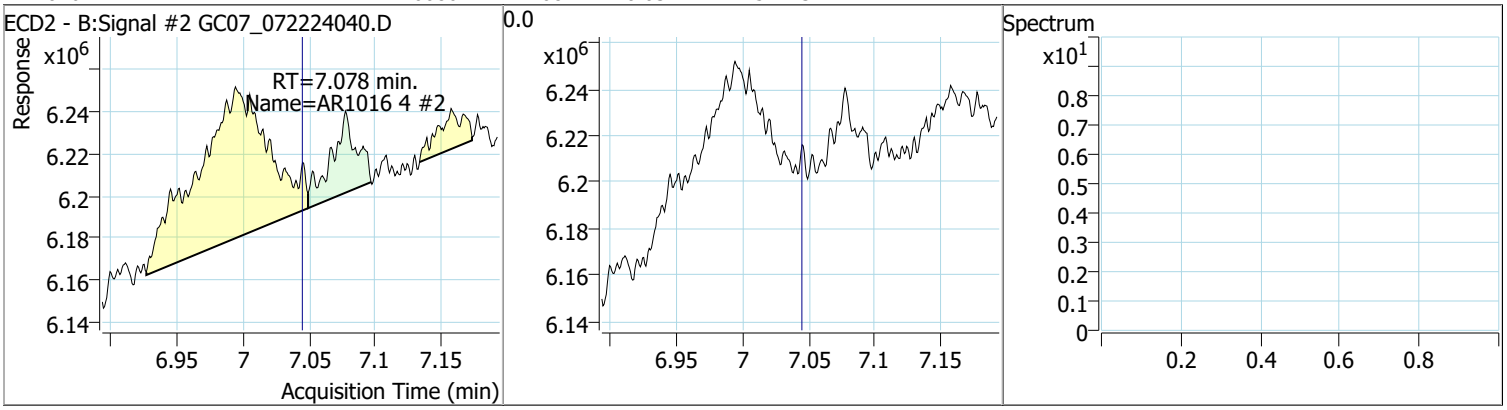
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	18.4144	6.89	0.05	931845				



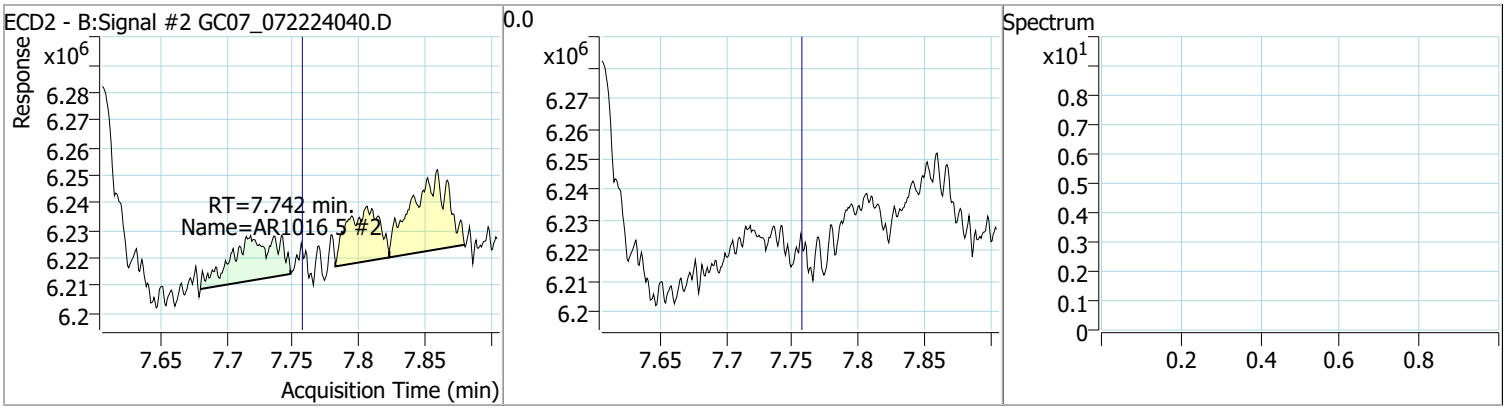
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	9.3203	6.99	0.13	250237				



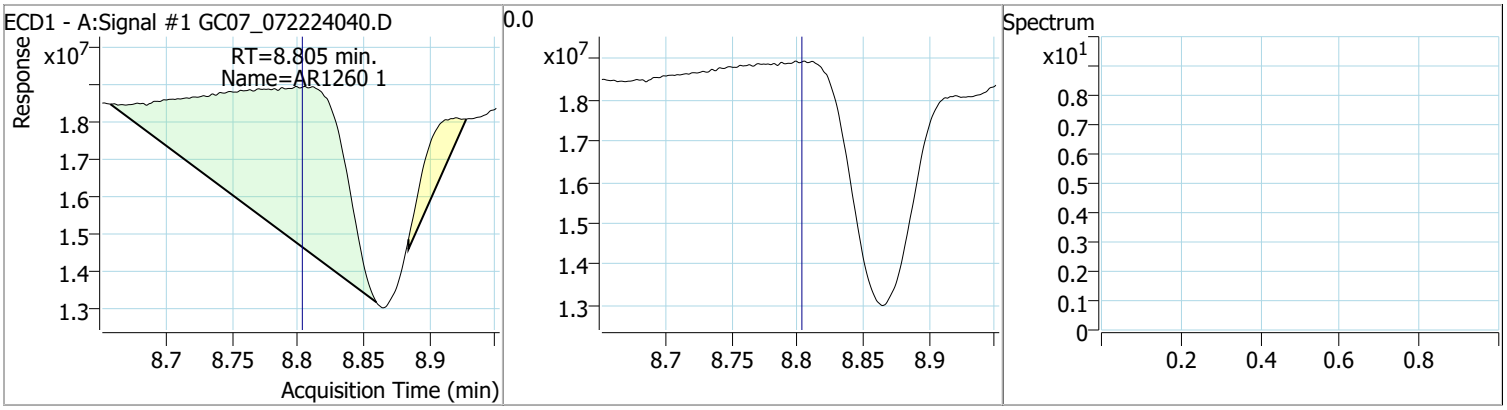
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.6086	7.08	0.03	51773				



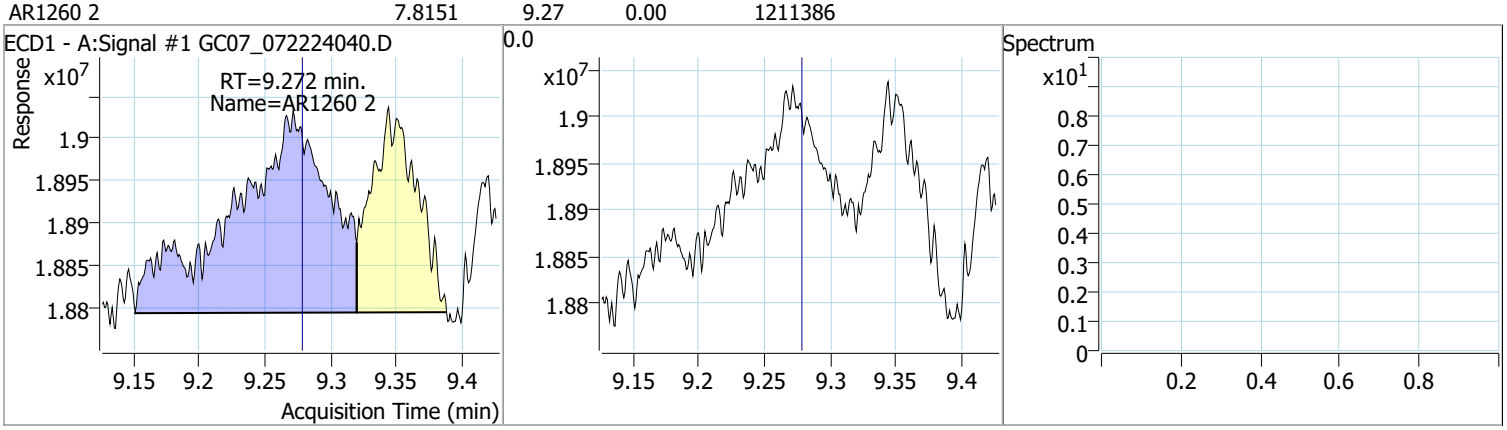
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AR1016 5 #2	2.3995	7.74	-0.01	38518				



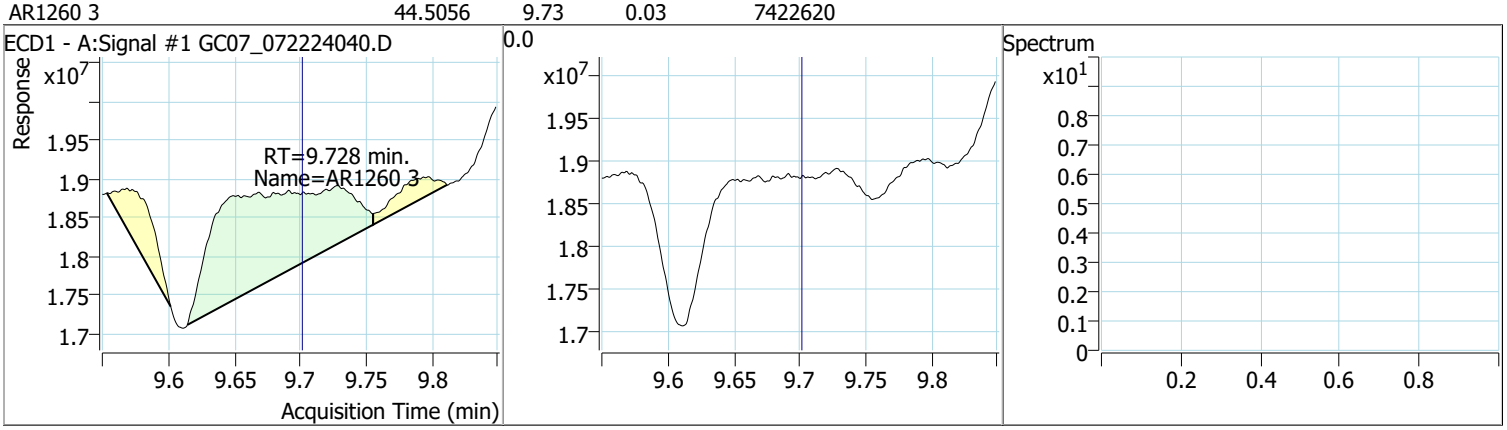
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	283.9777	8.81	0.00	28821327				



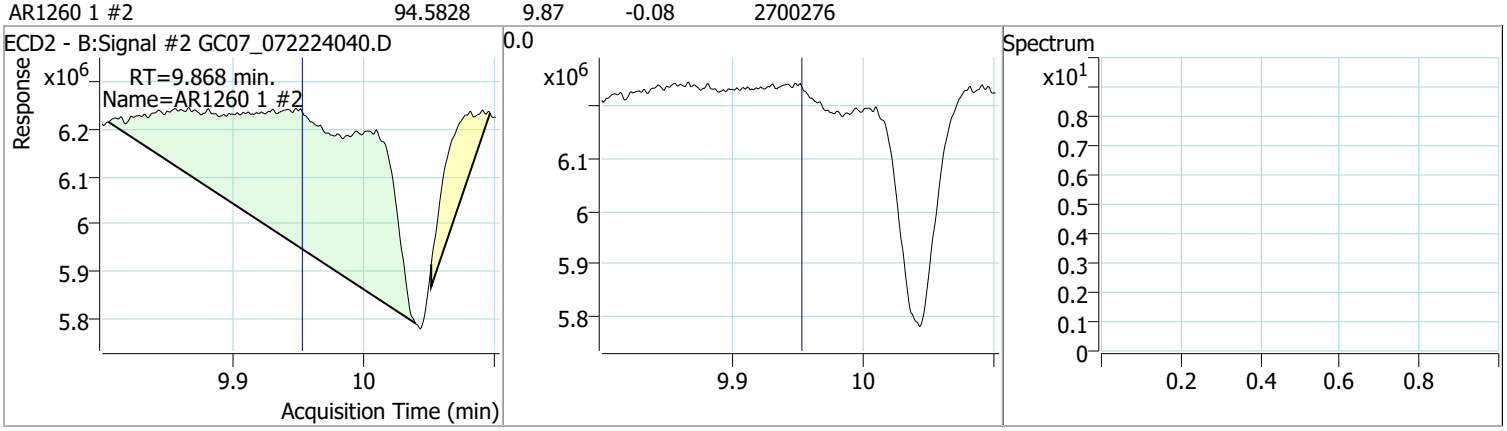
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	7.8151	9.27	0.00	1211386				



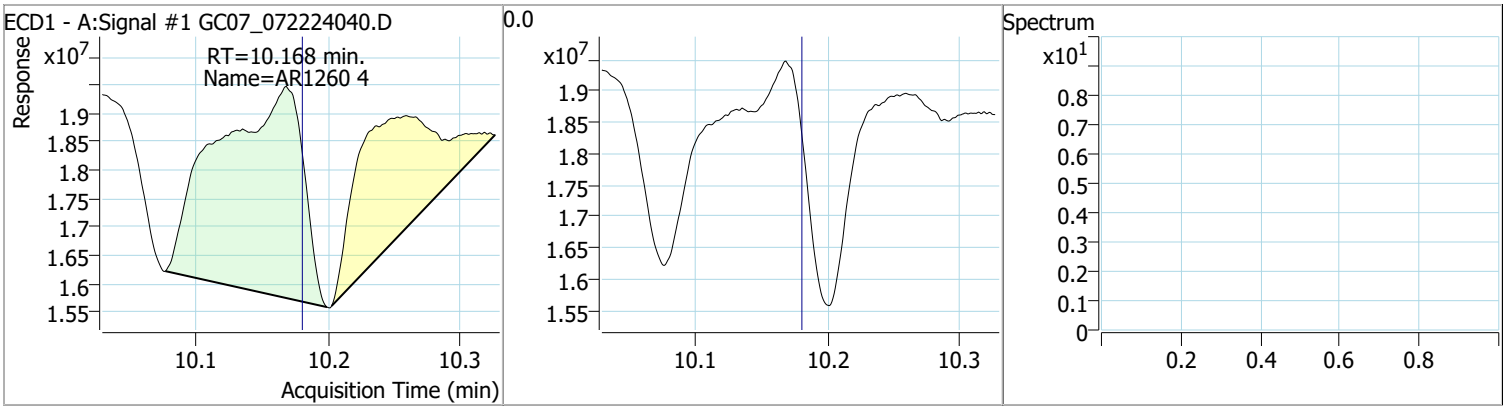
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	44.5056	9.73	0.03	7422620				



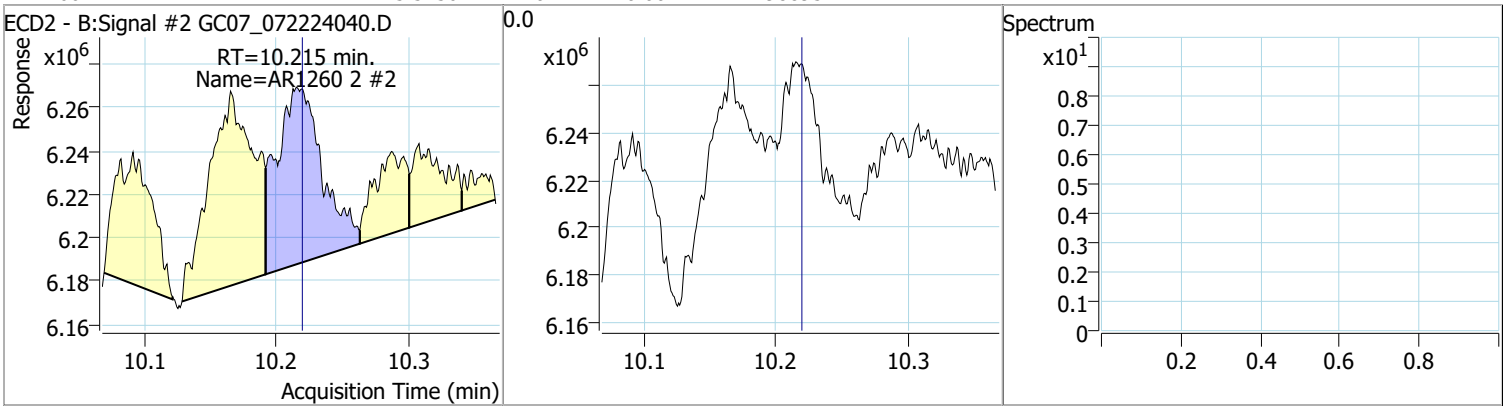
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	94.5828	9.87	-0.08	2700276				



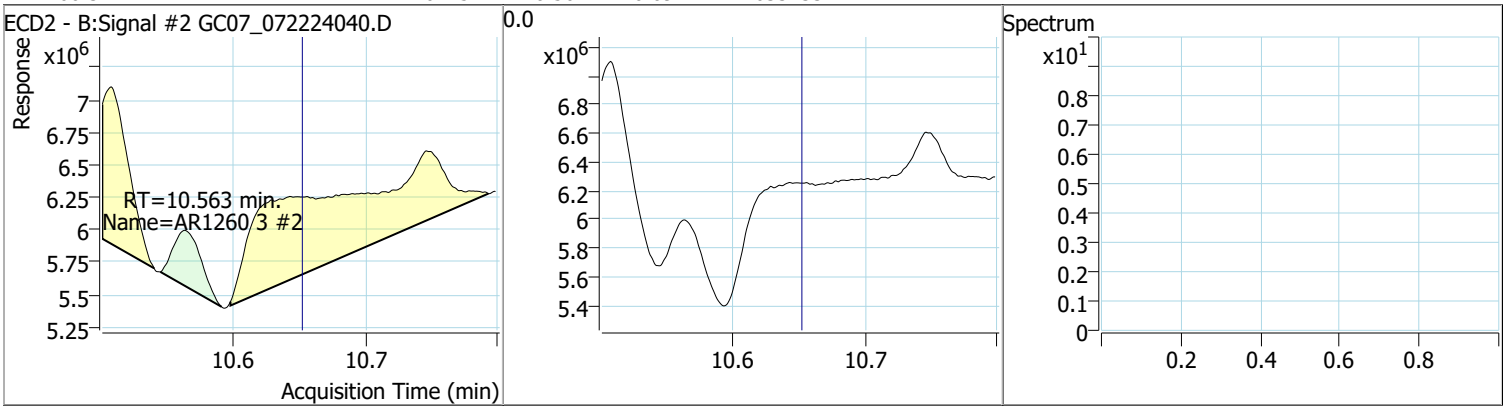
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	170.8124	10.17	-0.01	16469883				



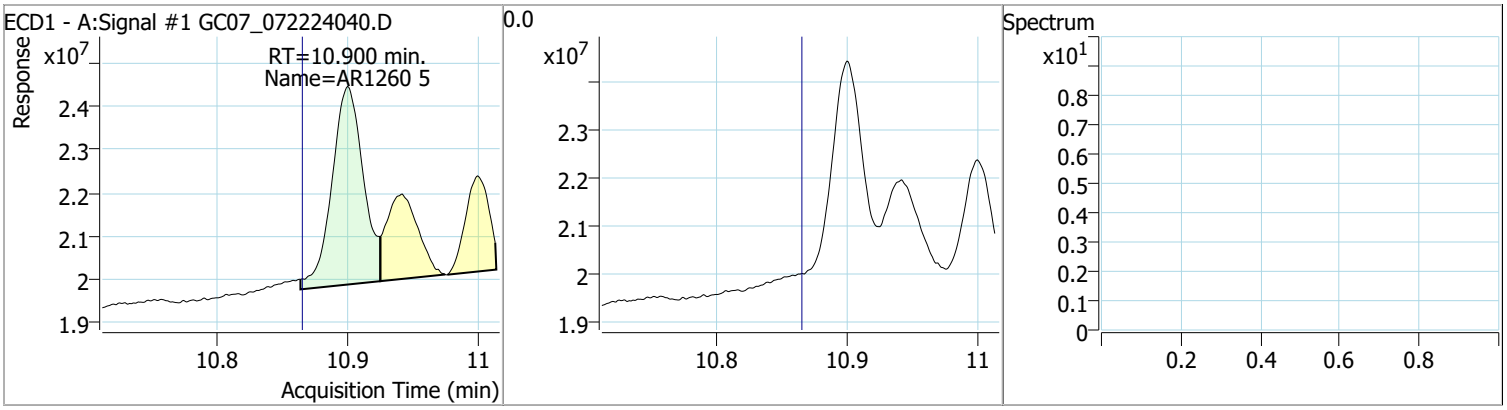
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	5.5456	10.22	0.00	198895				



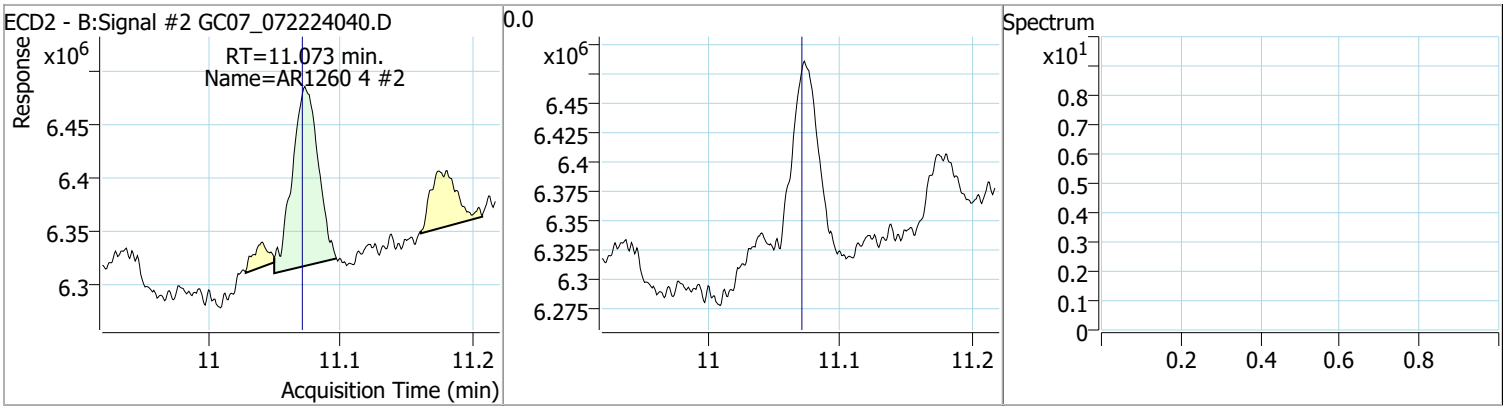
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.6725	10.56	-0.09	633433				



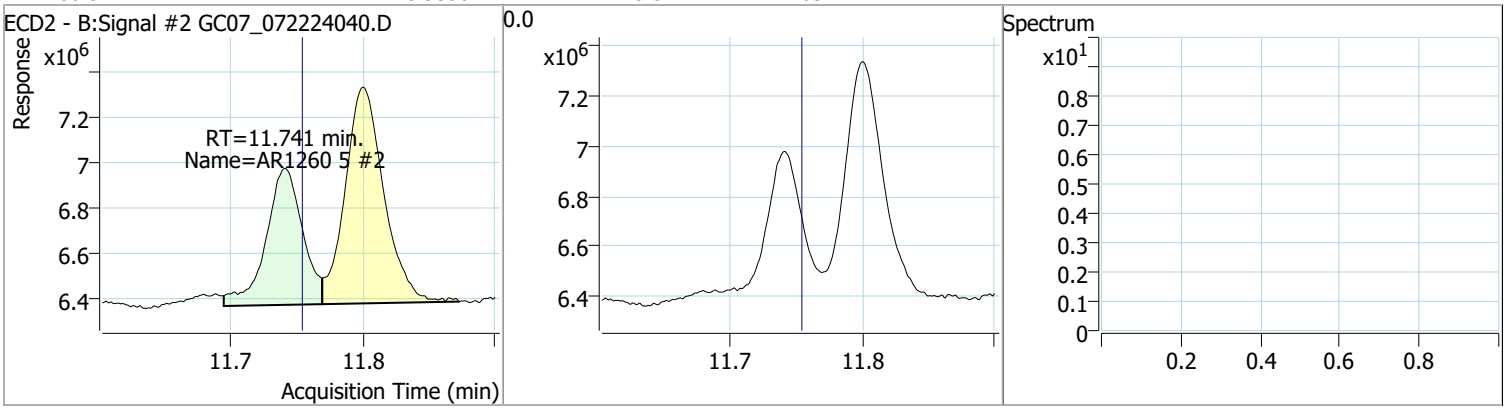
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	65.6795	10.90	0.04	7583377				



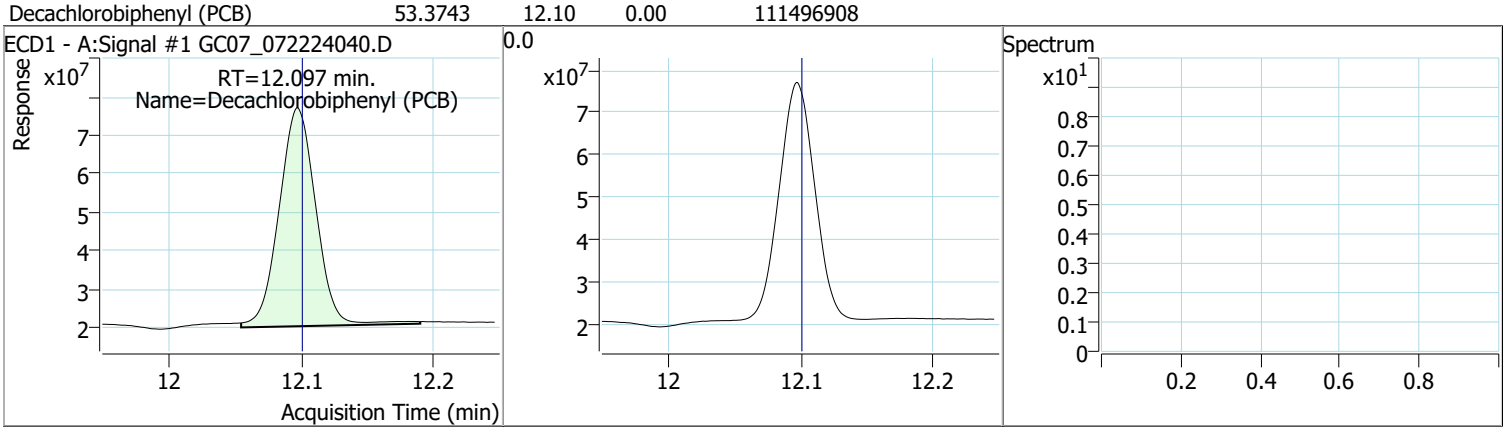
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.4766	11.07	0.00	231398				



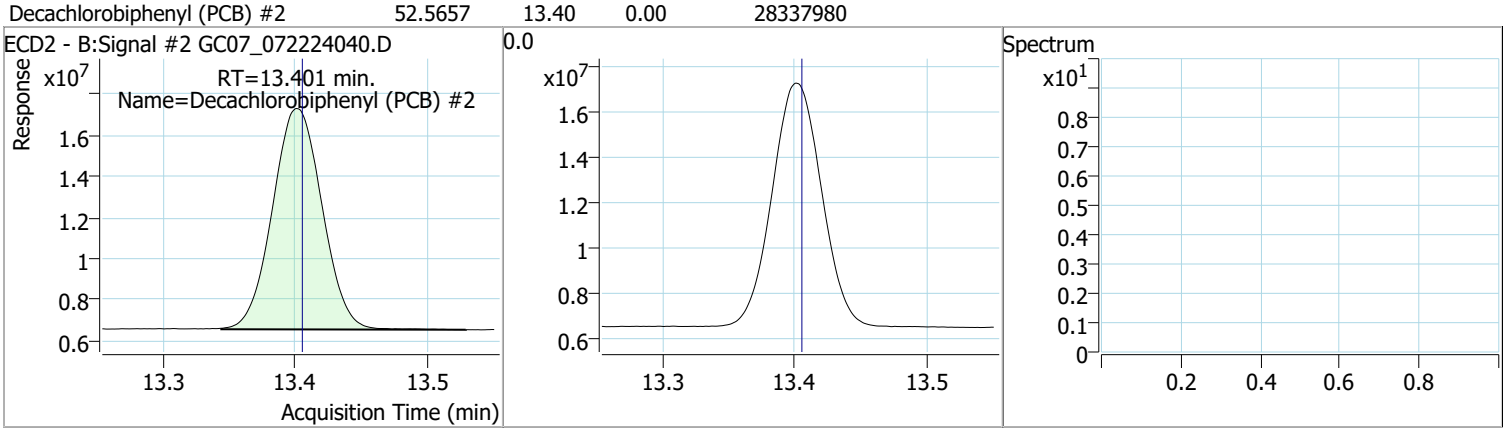
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.9350	11.74	-0.01	1172632				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	53.3743	12.10	0.00	111496908				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	52.5657	13.40	0.00	28337980				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	512356-013	Client ID:	240718-P-FIELDBLANK1-HO
Seqnum:	464294361041	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_072224041	Batch:	345600	Time:	22-JUL-2024 21:30
Cal:	464259633001	Caldate:	28-JUN-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	15.79	ug/L	ND	0.70	127%	0.50		u
Aroclor-1016 Peak # 1	B	14.73	ug/L	0.15	0.42	97%			
Aroclor-1016 Peak # 2	B	5.132	ug/L	0.05	0.35	149%			
Aroclor-1016 Peak # 3	B	51.66	ug/L	0.52	2.55	133%			
Aroclor-1016 Peak # 4	B	3.578	ug/L	0.04	0.01	115%			
Aroclor-1016 Peak # 5	B	3.872	ug/L	0.04	0.18	130%			
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	53.19	ug/L	~~0.53~~ FP	1.0	62%	0.50		x u
Aroclor-1260 Peak # 1	B	83.58	ug/L	0.84	2.40	97%			
Aroclor-1260 Peak # 2	B	58.49	ug/L	0.58	0.00	197%			
Aroclor-1260 Peak # 3	B	13.07	ug/L	0.13	0.38	98%			
Aroclor-1260 Peak # 4	B	9.181	ug/L	0.09	1.85	181%			
Aroclor-1260 Peak # 5	B	101.6	ug/L	1.02	0.43	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	43.51	pg/uL	0.5000	0.4351	87	19-121	u
Decachlorobiphenyl (PCB)	B	46.60	pg/uL	0.5000	0.4660	93	19-121	c+ u

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

ISTD (CCV gc07_072224033)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11046426	10702287	-3.12
1-bromo-2-nitrobenzene (PCB)	A	49318701	43591601	-11.61

ISTD (ICAL gc07_072224036)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	58546976	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	12821265	**???**	**-100.00 ***

ISTD (ICAL gc07_072224037)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	12719406	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	58565972	**???**	**-100.00 ***

ISTD (ICAL gc07_072224038)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	84301546	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	17438876	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224033)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224036)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.44	**???**	

ISTD (ICAL gc07_072224037)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.44	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.29	**???**	

ISTD (ICAL gc07_072224038)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.45	**???**	

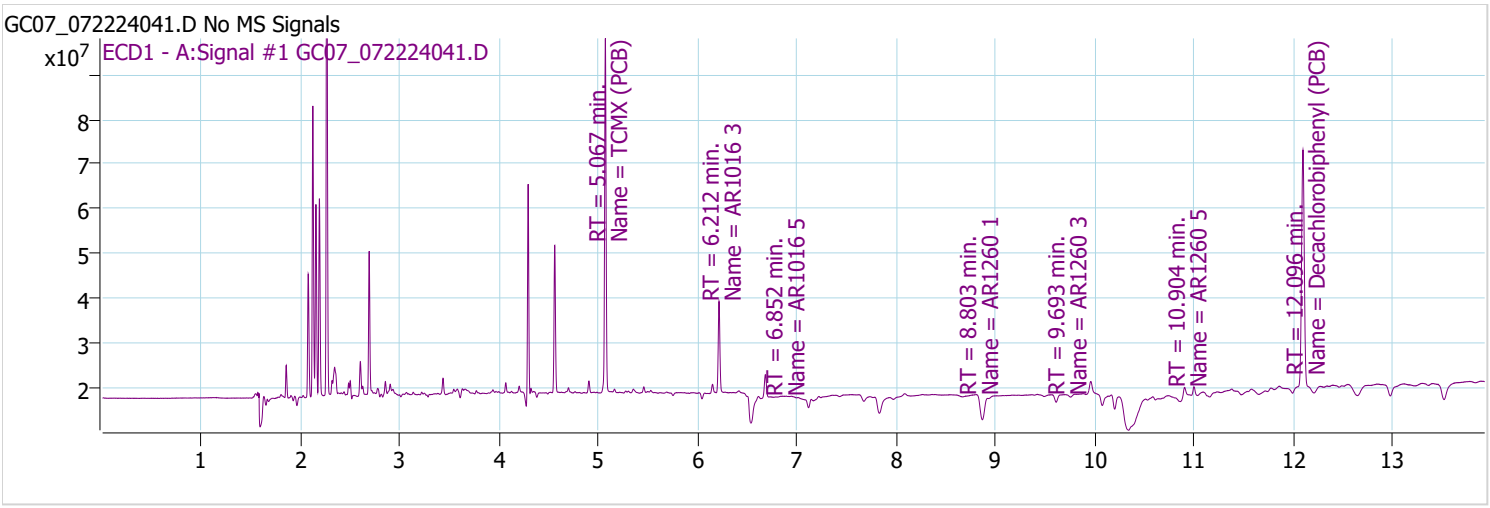
07/23/24 : WIPE/1dm3-10ML

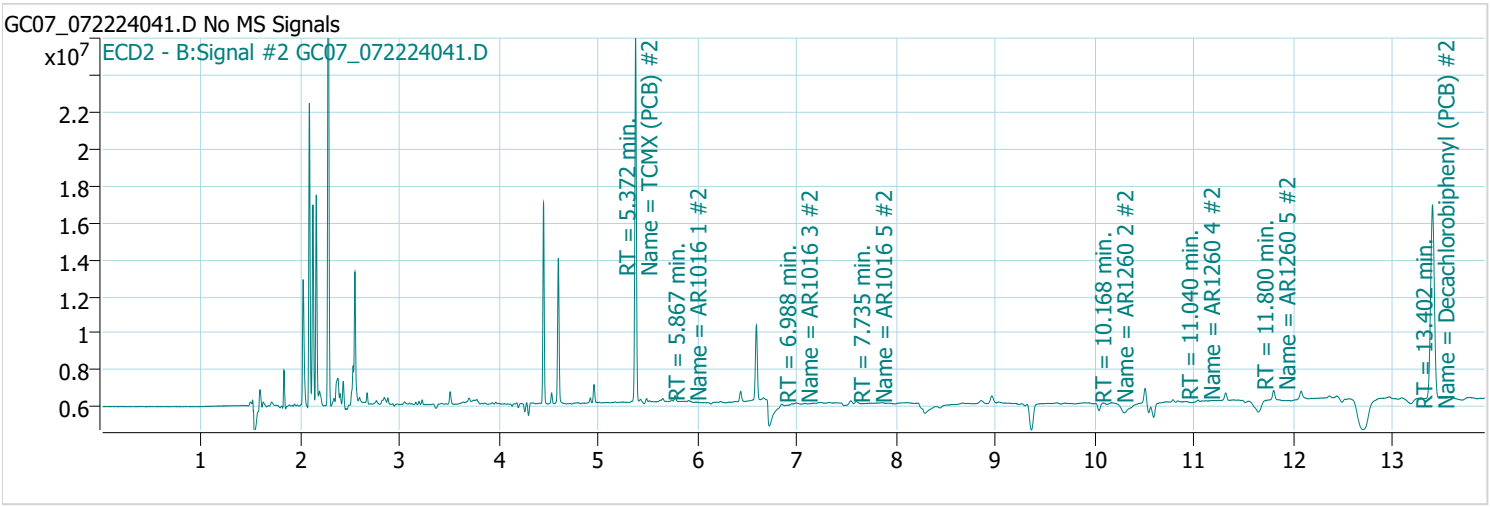
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24 **Reviewer:** MTS 07/24/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224041.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 9:30:43 PM
Sample Name	512356-013, 345600, 1	Instrument	SVOA-GC07
Vial	21	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



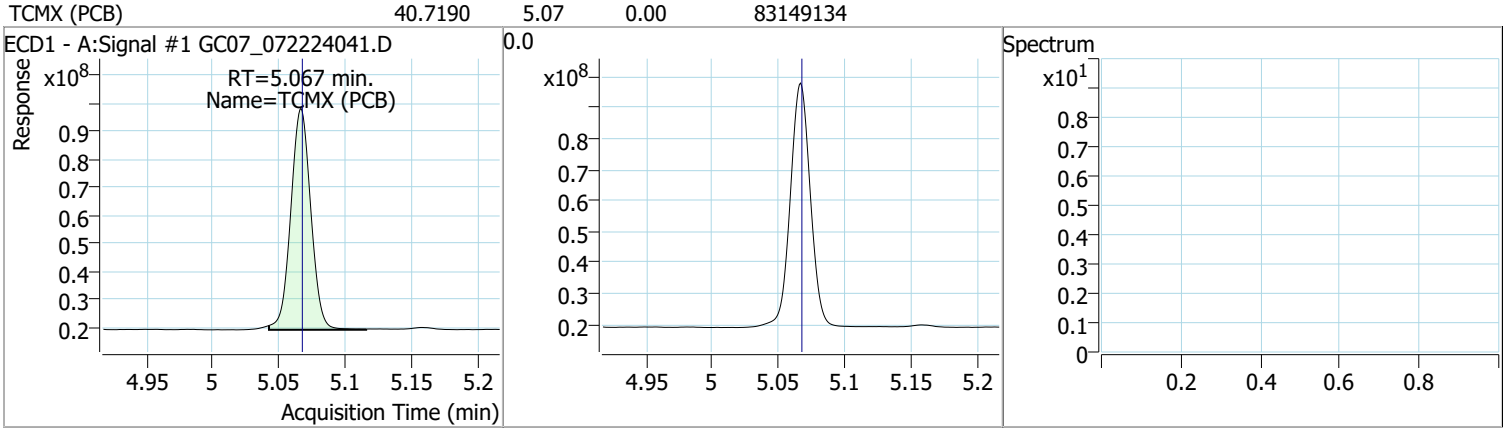


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	43591600.832	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10702286.740	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.067	0.0	83149133.921	40.7190	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.59%		*	
S TCMX (PCB) #2	5.372	0.0	22335399.131	43.5104	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.55%		*	
S Decachlorobiphenyl (PCB)	12.096	0.0	104655201.149	43.5448	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.72%		*	
S Decachlorobiphenyl (PCB) #2	13.402	0.0	27243833.438	46.5972	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.99%		*	
Target Compounds							QValue

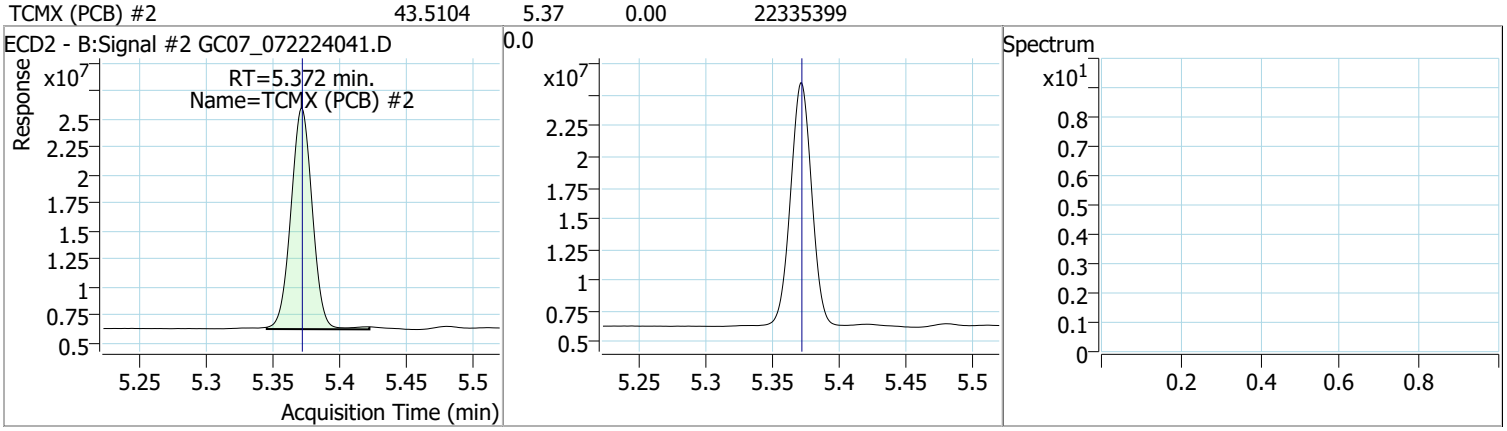
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	1615481.694	42.3975	ng/ml	100
T AR1016 2	5.824	0.0	2801639.128	35.3938	ng/ml	100
T AR1016 1 #2	5.867	0.0	166456.076	14.7306	ng/ml	100
T AR1016 3	6.212	0.0	24621477.766	254.9133	ng/ml	100
T AR1016 2 #2	6.227	0.0	119817.446	5.1321	ng/ml	100
T AR1016 4	6.355	0.0	63922.698	0.9651	ng/ml	100
T AR1016 5	6.852	0.0	1067565.610	18.3364	ng/ml	100
T AR1016 3 #2	6.988	0.0	1504297.423	51.6621	ng/ml	100
T AR1016 4 #2	7.078	0.0	77010.576	3.5777	ng/ml	100
T AR1016 5 #2	7.735	0.0	67399.961	3.8715	ng/ml	100
T AR1260 1	8.803	0.0	28077784.034	240.4578	ng/ml	100
T AR1260 2	9.308	0.0	87836.310	0.4925	ng/ml	100
T AR1260 3	9.693	0.0	7297703.627	38.0321	ng/ml	100
T AR1260 1 #2	9.878	0.0	2587943.921	83.5828	ng/ml	100
T AR1260 4	10.164	0.0	20542767.669	185.1798	ng/ml	100
T AR1260 2 #2	10.168	0.0	2274922.462	58.4854	ng/ml	100
T AR1260 3 #2	10.561	0.0	611860.830	13.0682	ng/ml	100
T AR1260 5	10.904	0.0	5777646.073	43.4935	ng/ml	100
T AR1260 4 #2	11.040	0.0	271804.930	9.1808	ng/ml	100
T AR1260 5 #2	11.800	0.0	4466349.478	101.6184	ng/ml	100

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

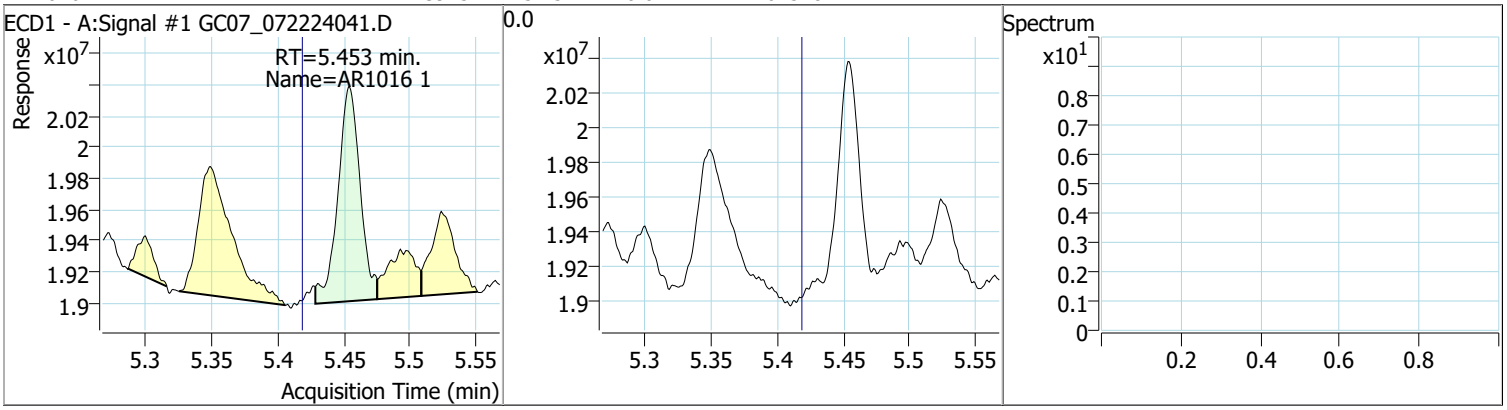
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.7190	5.07	0.00	83149134				



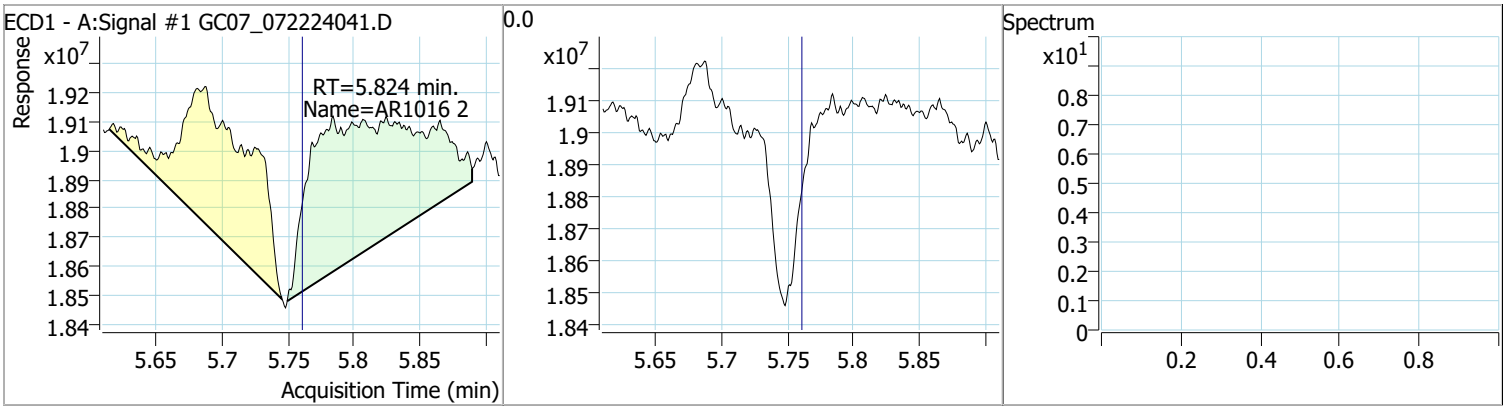
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.5104	5.37	0.00	22335399				



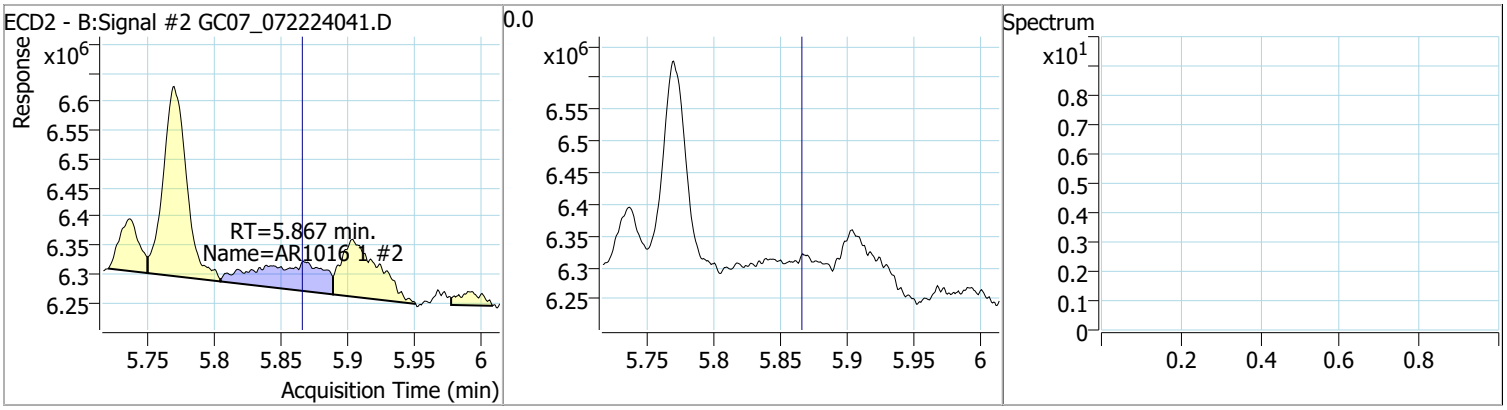
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	42.3975	5.45	0.04	1615482				



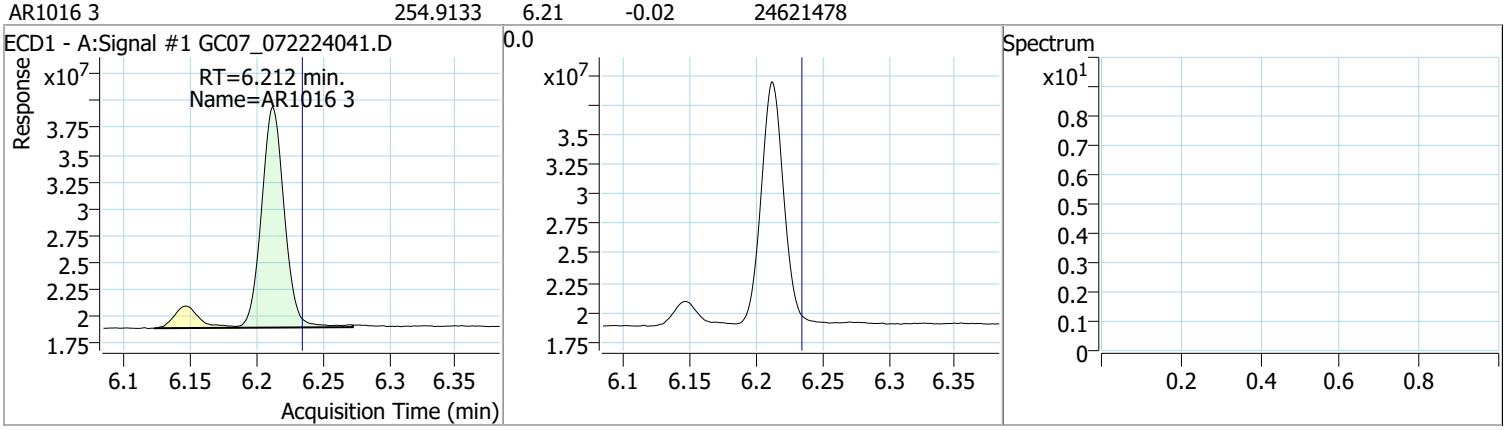
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	35.3938	5.82	0.06	2801639				



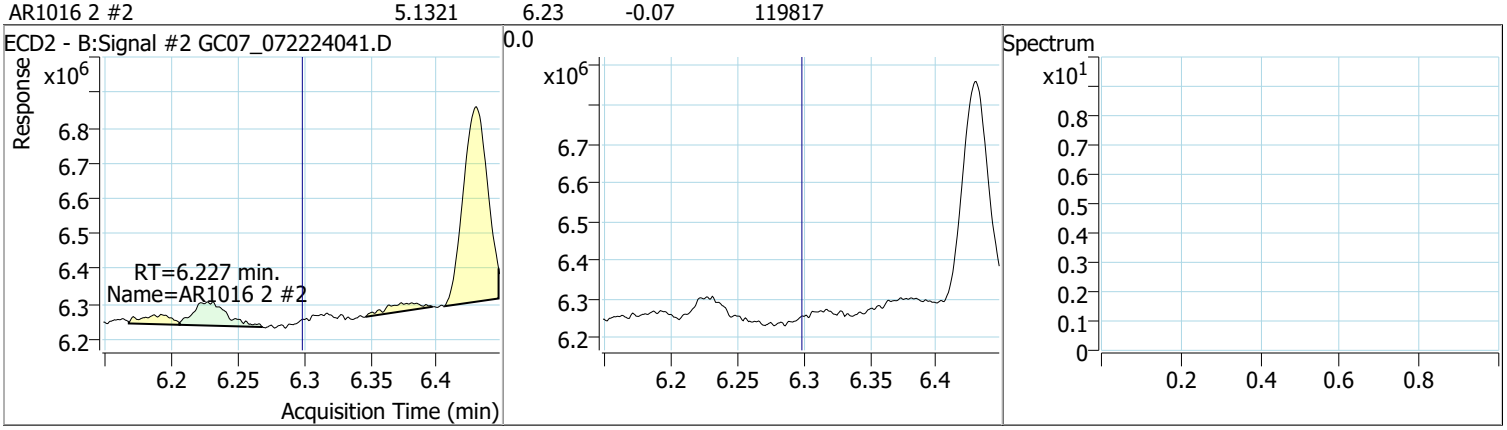
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.7306	5.87	0.00	166456				



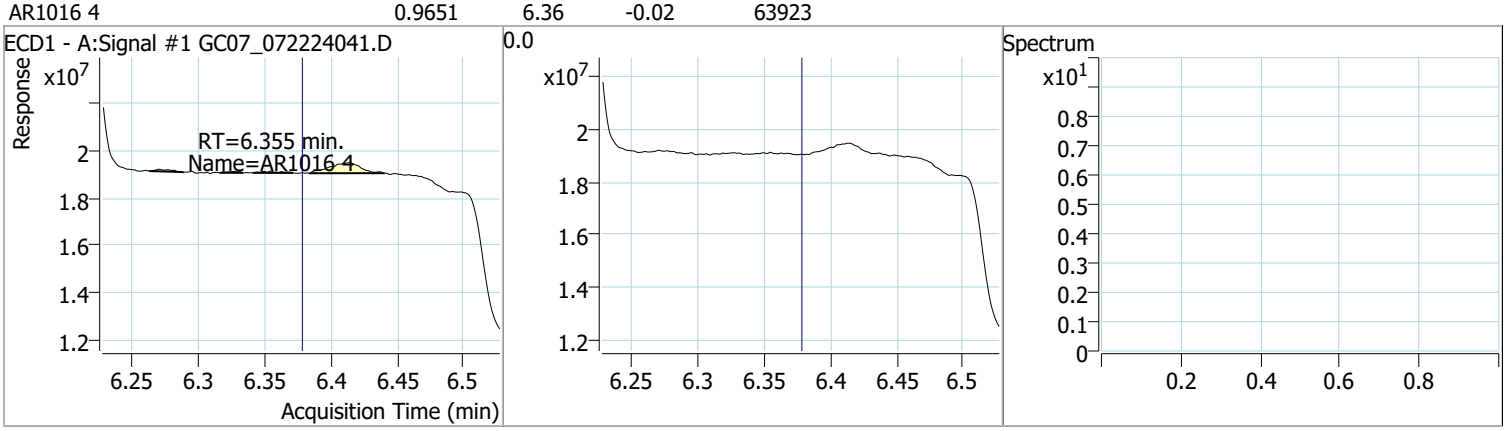
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	254.9133	6.21	-0.02	24621478				



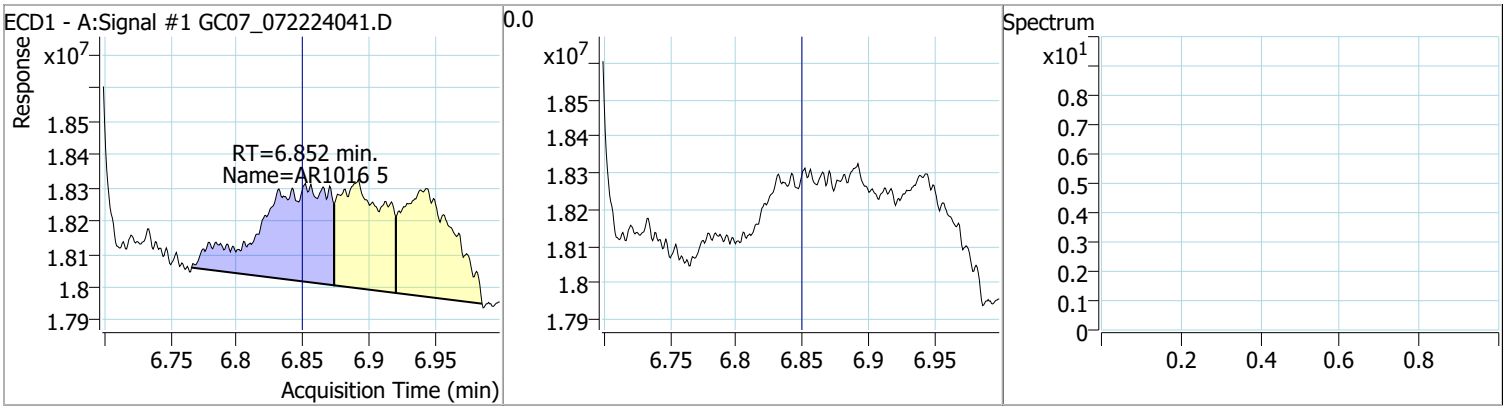
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	5.1321	6.23	-0.07	119817				



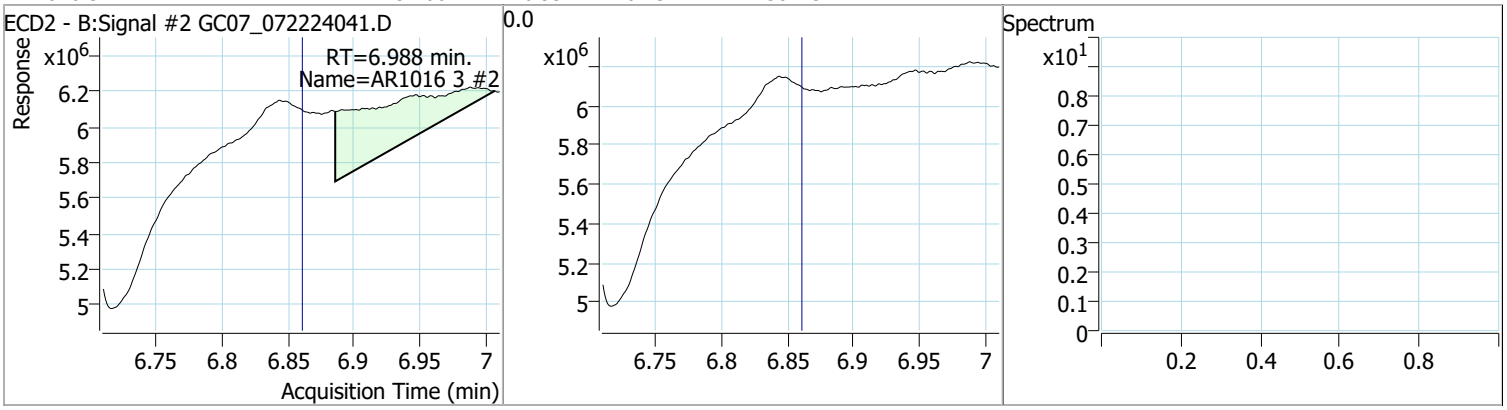
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.9651	6.36	-0.02	63923				



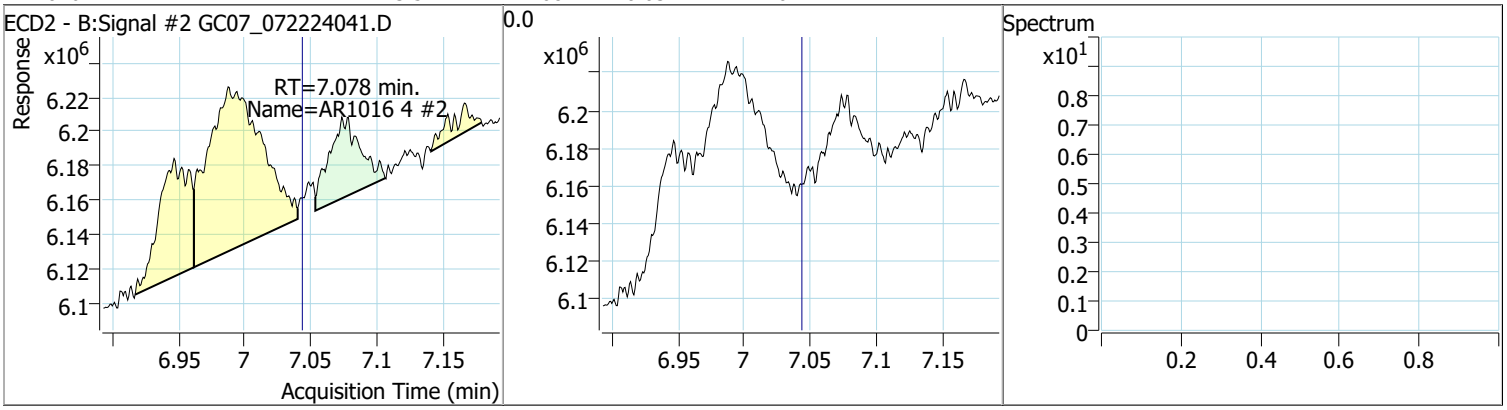
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	18.3364	6.85	0.00	1067566				



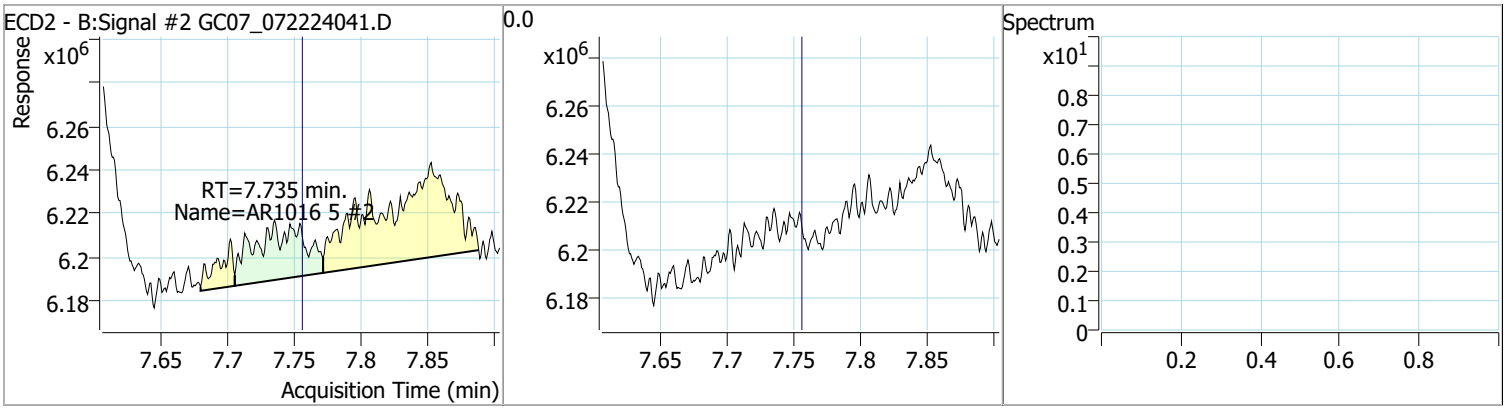
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	51.6621	6.99	0.13	1504297				



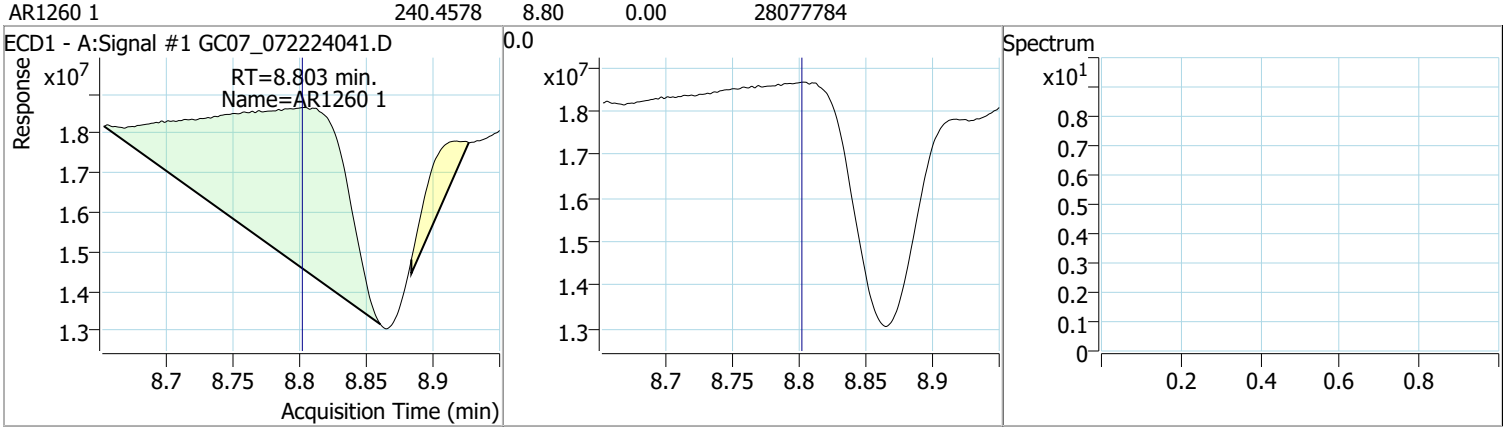
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.5777	7.08	0.03	77011				



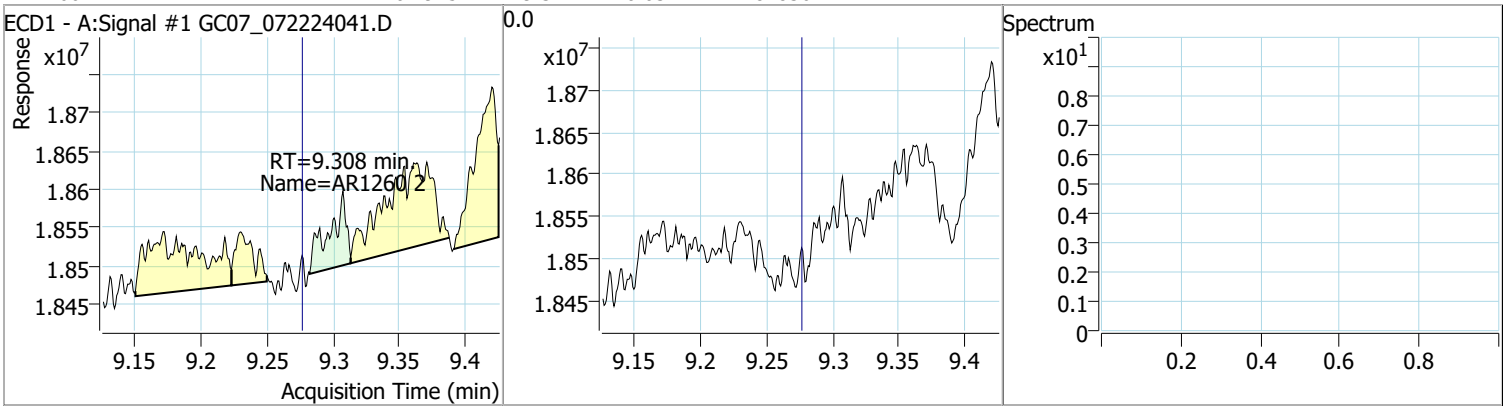
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.8715	7.74	-0.02	67400				



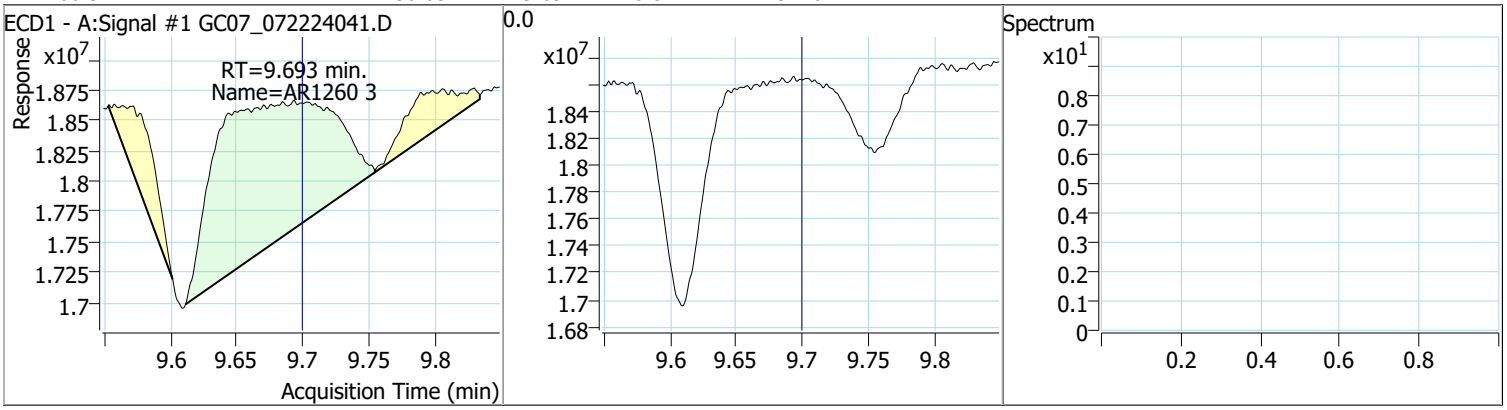
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	240.4578	8.80	0.00	28077784				



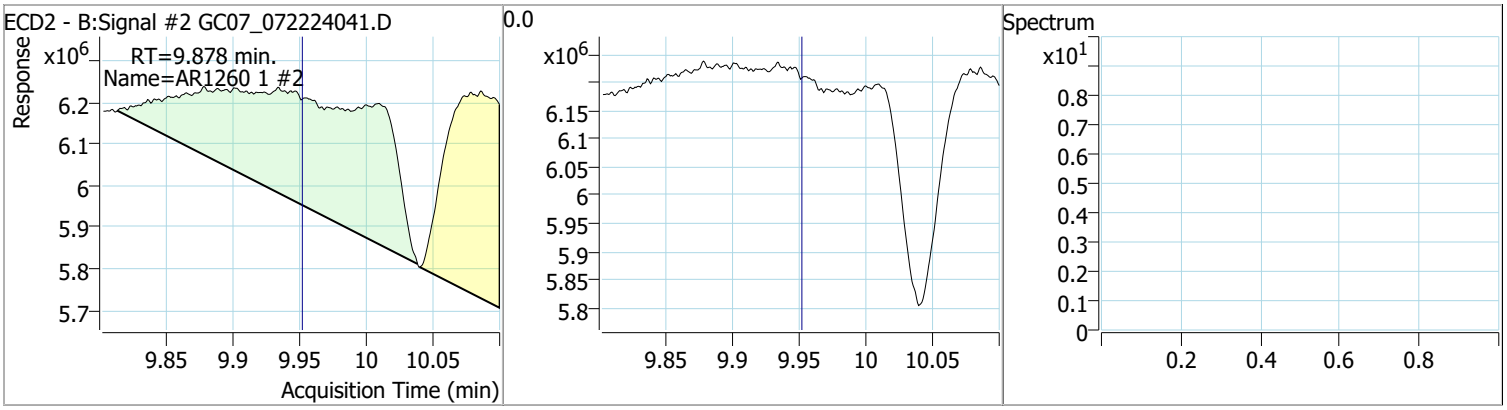
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4925	9.31	0.03	87836				



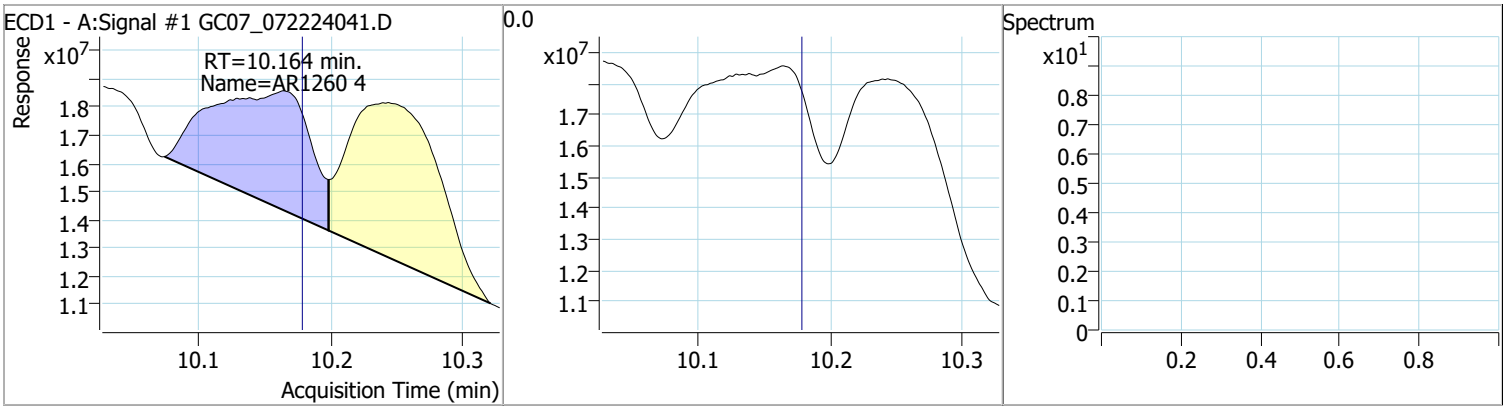
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	38.0321	9.69	-0.01	7297704				



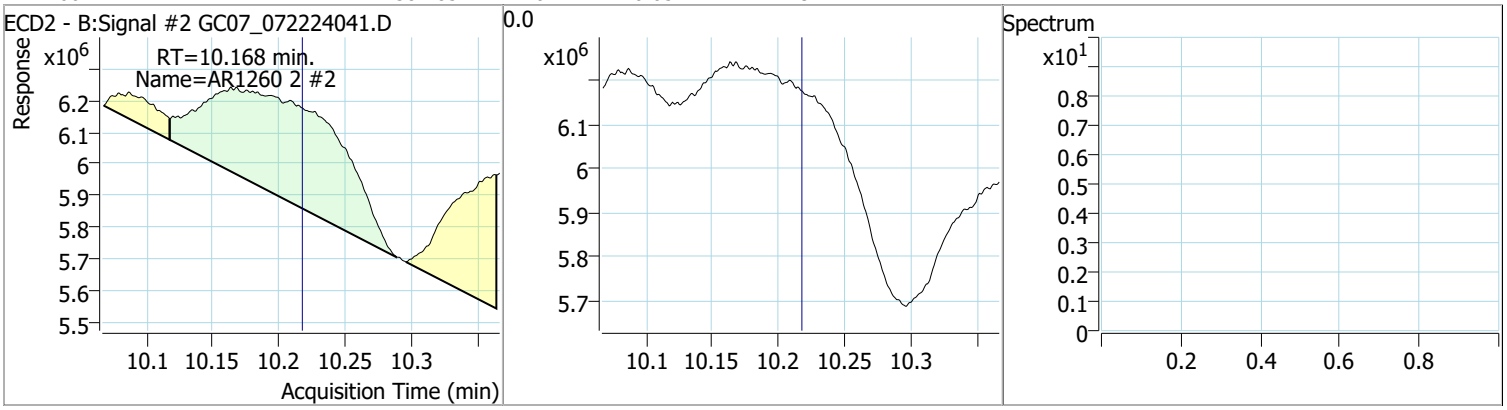
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	83.5828	9.88	-0.07	2587944				



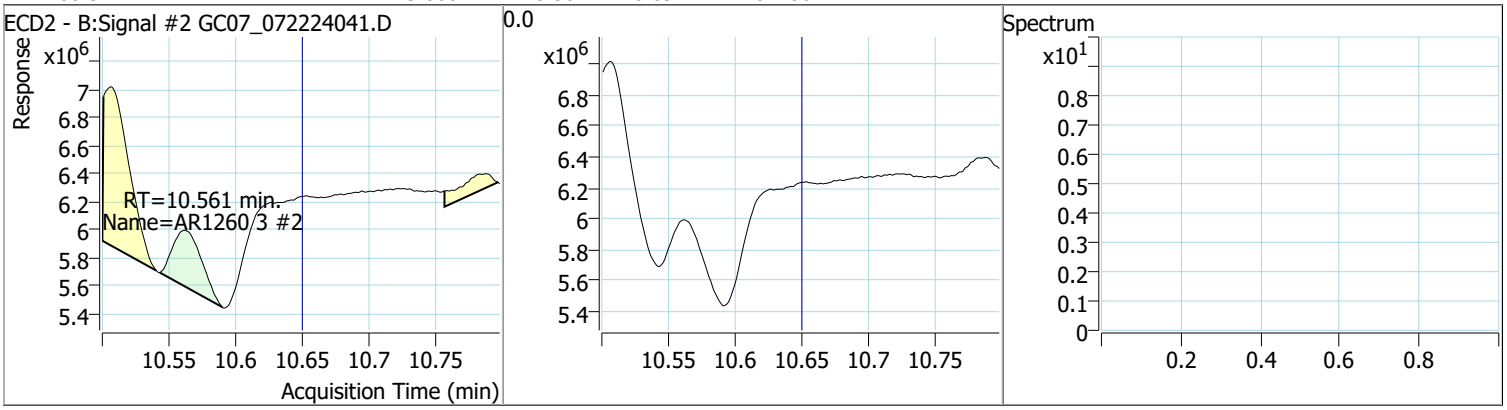
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	185.1798	10.16	-0.01	20542768				



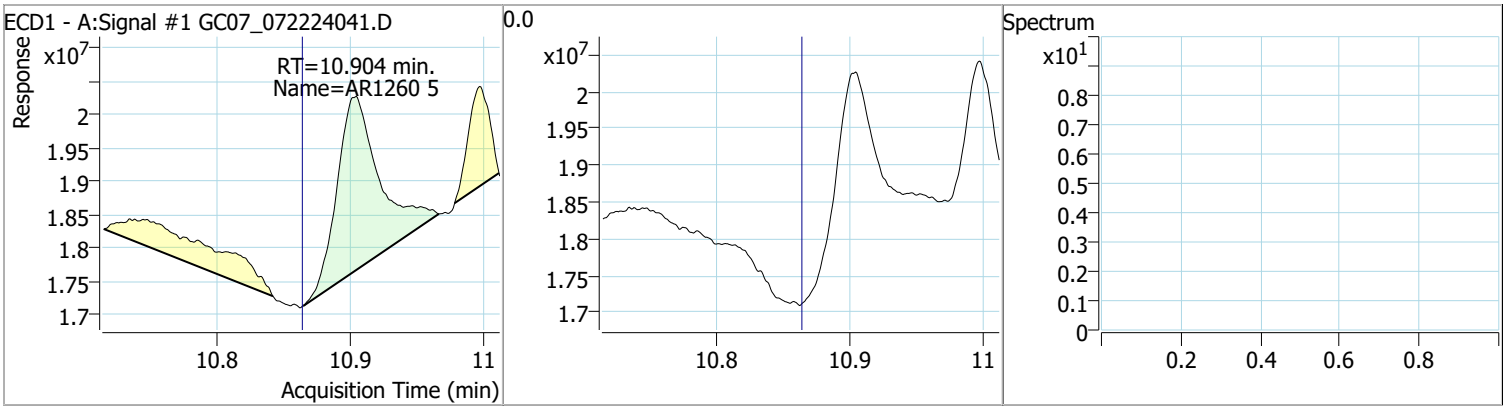
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.4854	10.17	-0.05	2274922				



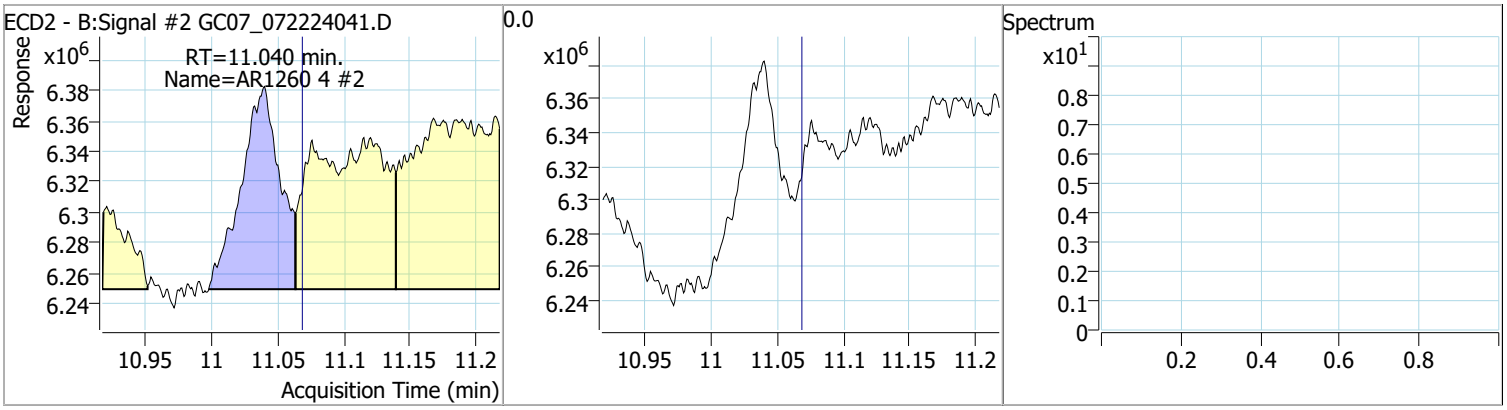
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.0682	10.56	-0.09	611861				



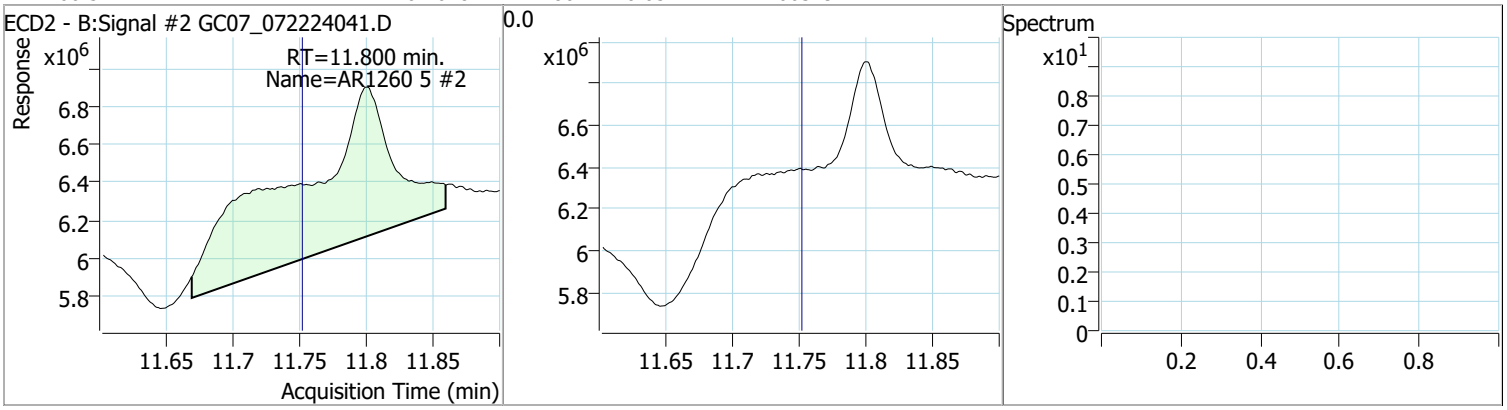
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	43.4935	10.90	0.04	5777646				



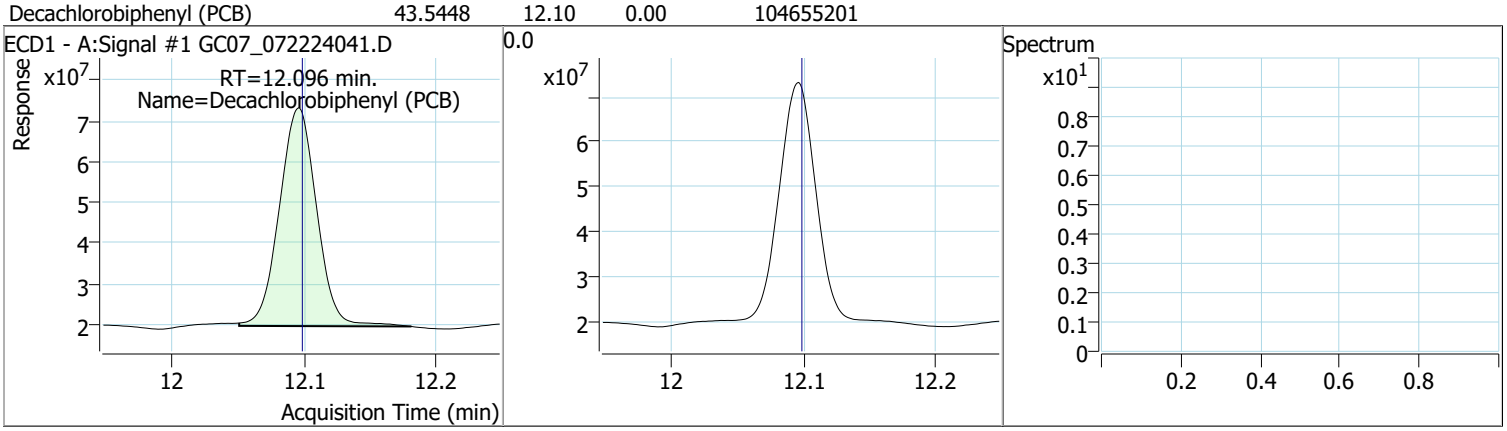
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.1808	11.04	-0.03	271805				



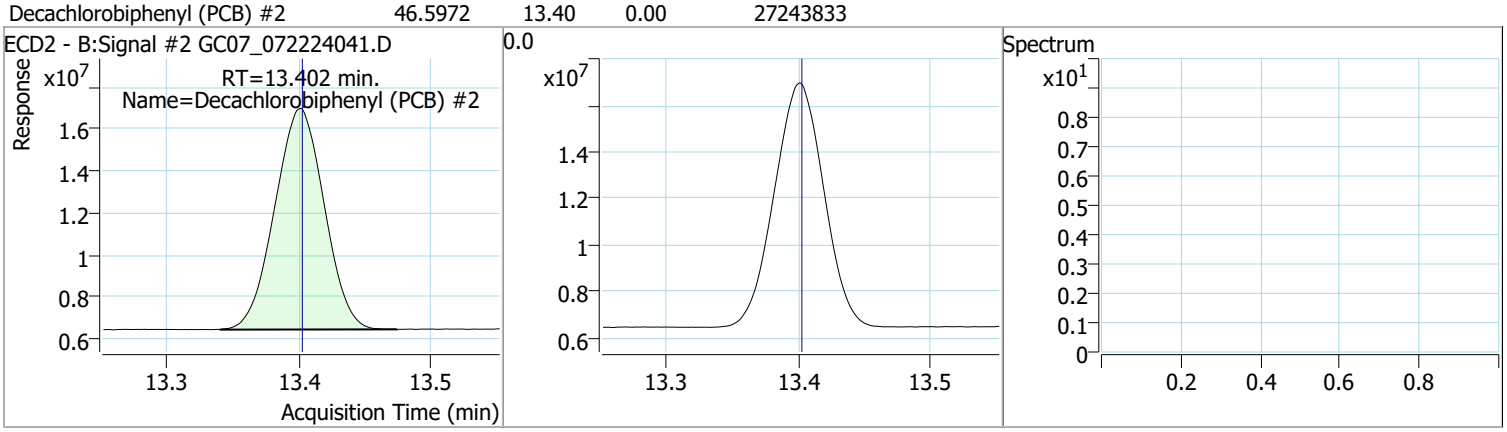
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	101.6184	11.80	0.05	4466349				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.5448	12.10	0.00	104655201				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.5972	13.40	0.00	27243833				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1171120		
Seqnum:	464294361017.2	Matrix:	Wipe		
File:	gc07_072224017	Batch:	345600	Time:	22-JUL-2024 14:25
Cal:	464259633001	Caldate:	28-JUN-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	12.70	ug/L	ND	ND	30%	0.50	u
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	34.56	ug/L	ND	0.94	92%	0.50	u
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	43.50	pg/uL	0.5000	0.4350	87	19-121	u
Decachlorobiphenyl (PCB)	B	49.06	pg/uL	0.5000	0.4906	98	19-121	c+ u

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

ISTD (CCV gc07_072224004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10997148	0.29
1-bromo-2-nitrobenzene (PCB)	A	47936344	47430459	-1.06

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1248)	B	12686726	**???**	**-100.00 ***

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

ISTD (CCV gc07_072224004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	**???**	
1-bromo-2-nitrobenzene (1248)	B	4.44	**???**	

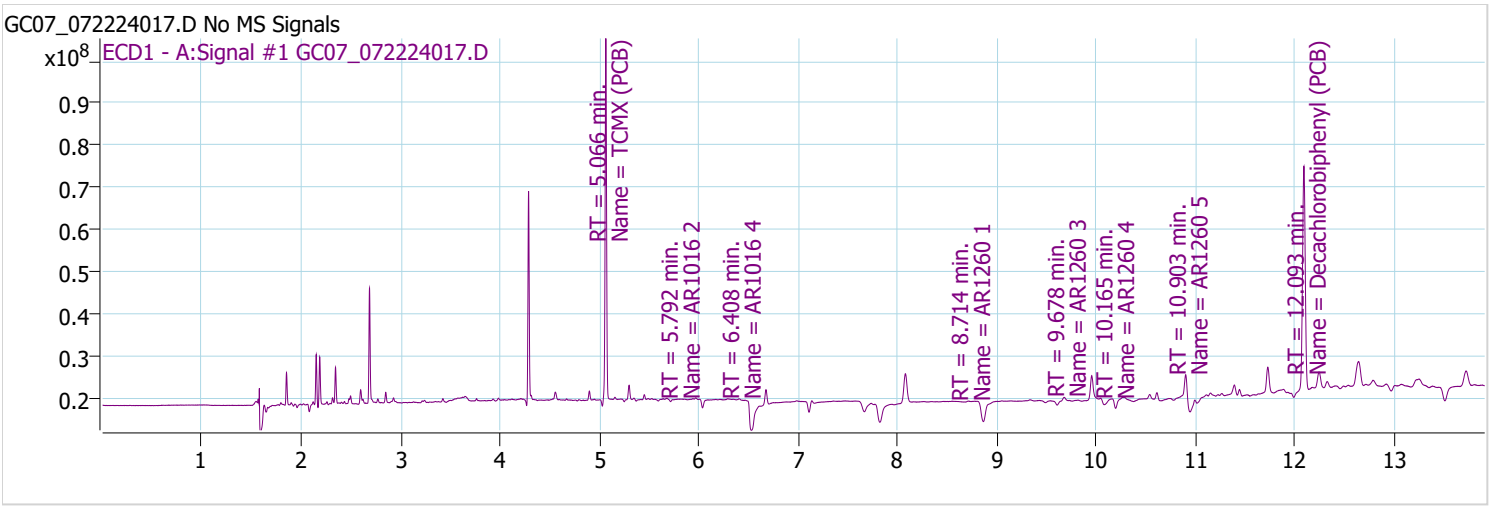
07/23/24 : WIPE/1dm3-10ML [general version]

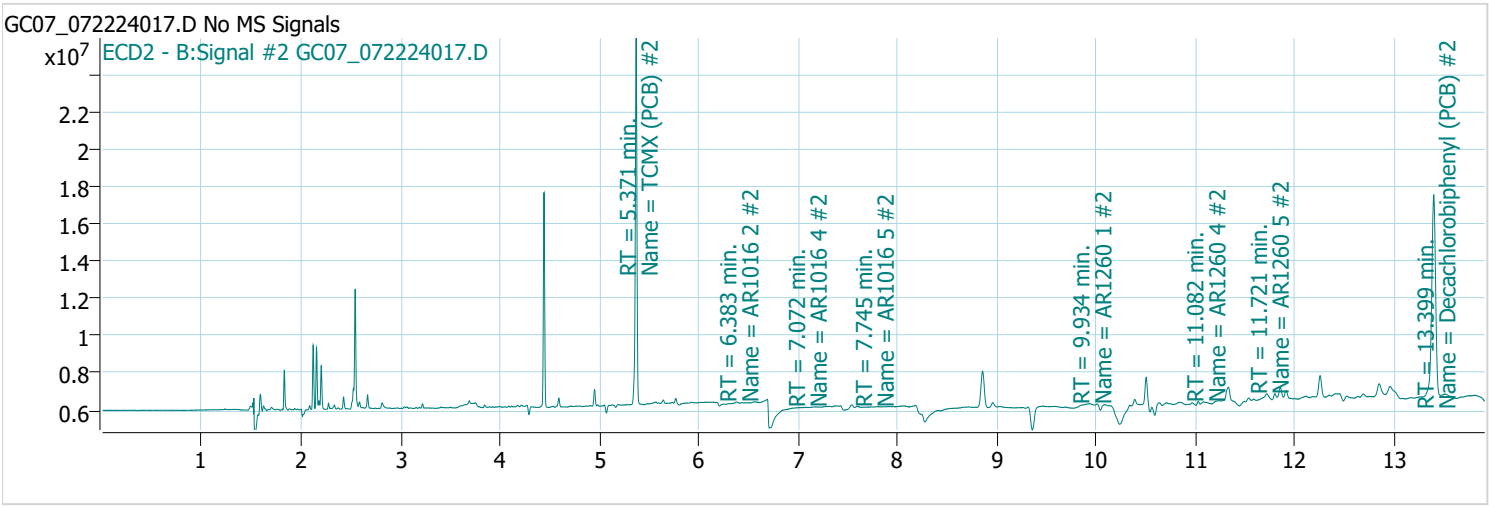
+=high bias c=CCV u=use

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224017.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 2:25:07 PM
Sample Name	QC1171120, 345600, 1	Instrument	SVOA-GC07
Vial	7	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



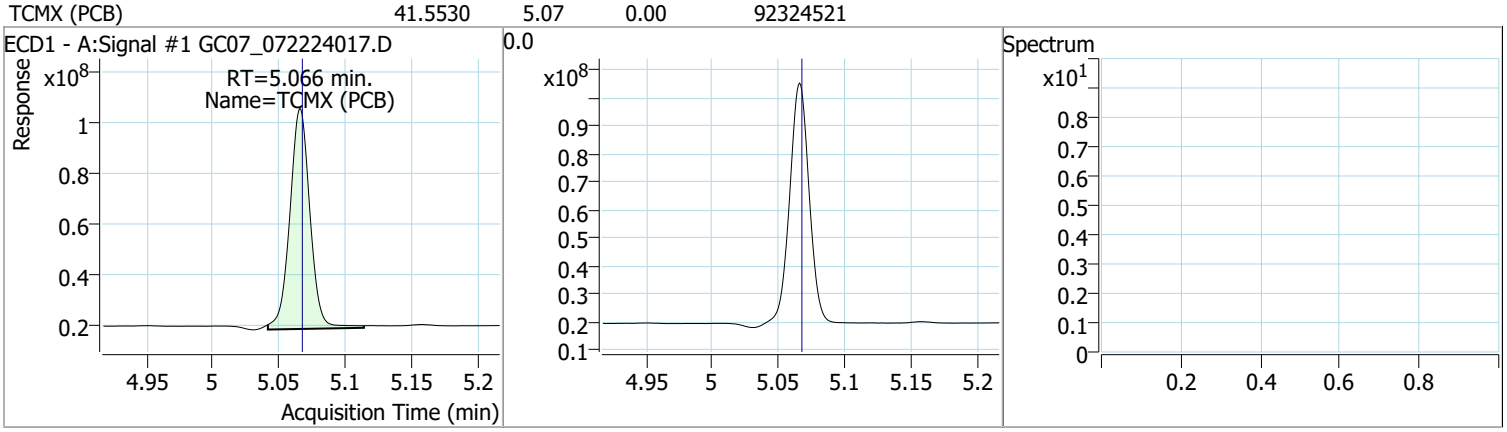


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	47430459.278	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.444	0.0	10997147.862	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.066	0.0	92324520.736	41.5530	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.76%		*	
S TCMX (PCB) #2	5.371	0.0	22947646.637	43.5045	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.52%		*	
S Decachlorobiphenyl (PCB)	12.093	0.0	104895399.098	40.1123	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.56%		*	
S Decachlorobiphenyl (PCB) #2	13.399	0.0	29474876.854	49.0614	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.31%		*	
Target Compounds							QValue

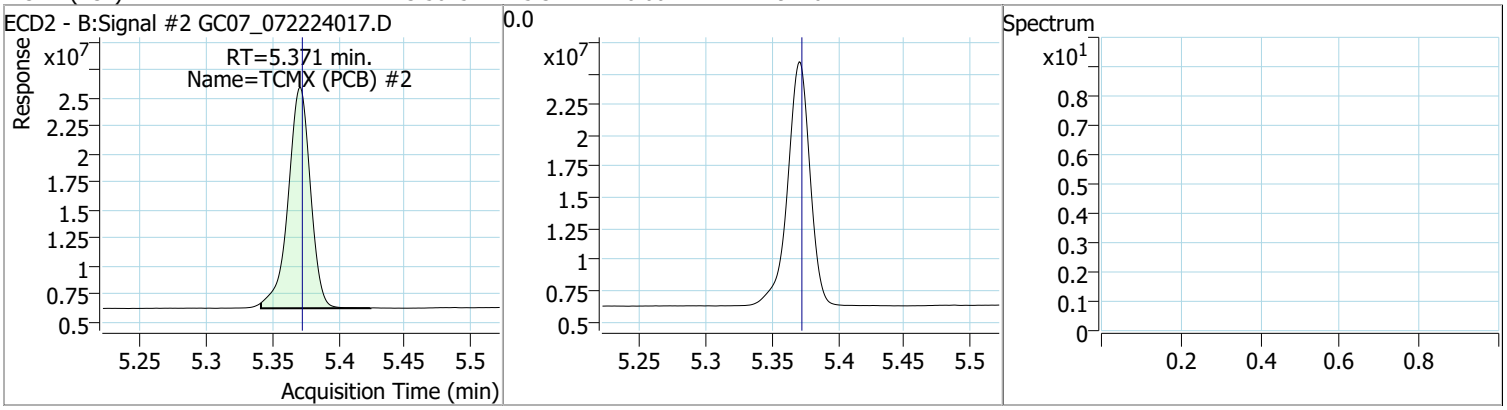
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	2113460.335	50.9774	ng/ml	100
T AR1016 2	5.792	0.0	2921024.771	33.9153	ng/ml	100
T AR1016 1 #2	5.929	0.0	407419.126	35.0879	ng/ml	100
T AR1016 3	6.215	0.0	220994.487	0.0000	ng/ml	100
T AR1016 2 #2	6.383	0.0	302751.794	12.6200	ng/ml	100
T AR1016 4	6.408	0.0	623386.462	8.6500	ng/ml	100
T AR1016 5	6.890	0.0	801765.552	12.6565	ng/ml	100
T AR1016 3 #2	0.000		0	N.D.		
T AR1016 4 #2	7.072	0.0	327679.799	14.8150	ng/ml	100
T AR1016 5 #2	7.745	0.0	17296.152	0.9669	ng/ml	100
T AR1260 1	8.714	0.0	20949845.436	164.8931	ng/ml	100
T AR1260 2	9.298	0.0	163920.961	0.8448	ng/ml	100
T AR1260 3	9.678	0.0	6885005.012	32.9772	ng/ml	100
T AR1260 1 #2	9.934	0.0	2855454.253	89.7499	ng/ml	100
T AR1260 4	10.165	0.0	7614290.914	63.0826	ng/ml	100
T AR1260 2 #2	10.343	0.0	345267.848	8.6384	ng/ml	100
T AR1260 3 #2	10.638	0.0	1710531.665	35.5542	ng/ml	100
T AR1260 5	10.903	0.0	29974031.680	207.3784	ng/ml	100
T AR1260 4 #2	11.082	0.0	418363.631	13.7522	ng/ml	100
T AR1260 5 #2	11.721	0.0	1134102.652	25.1113	ng/ml	100

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

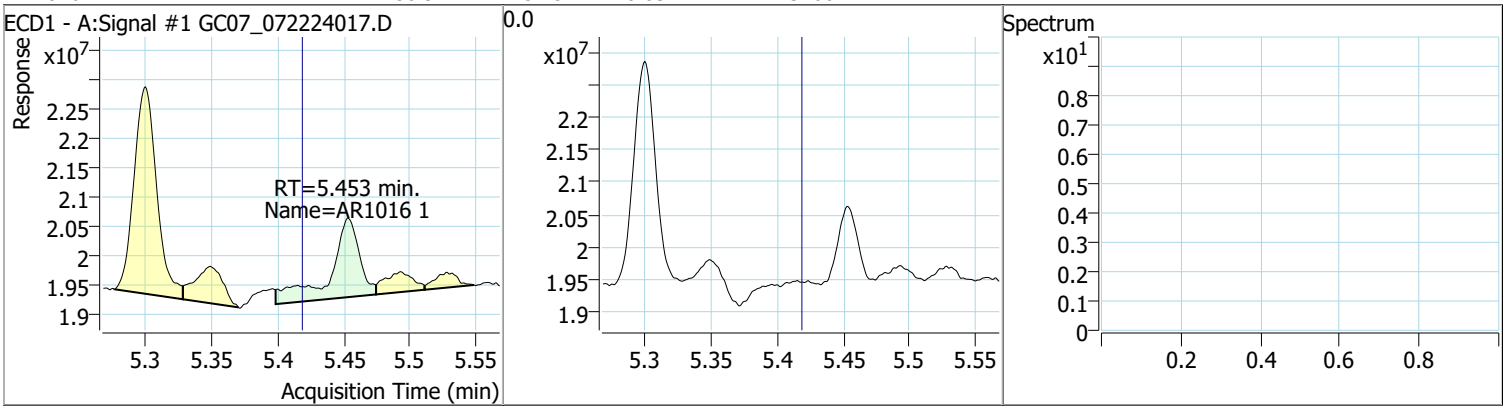
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.5530	5.07	0.00	92324521				



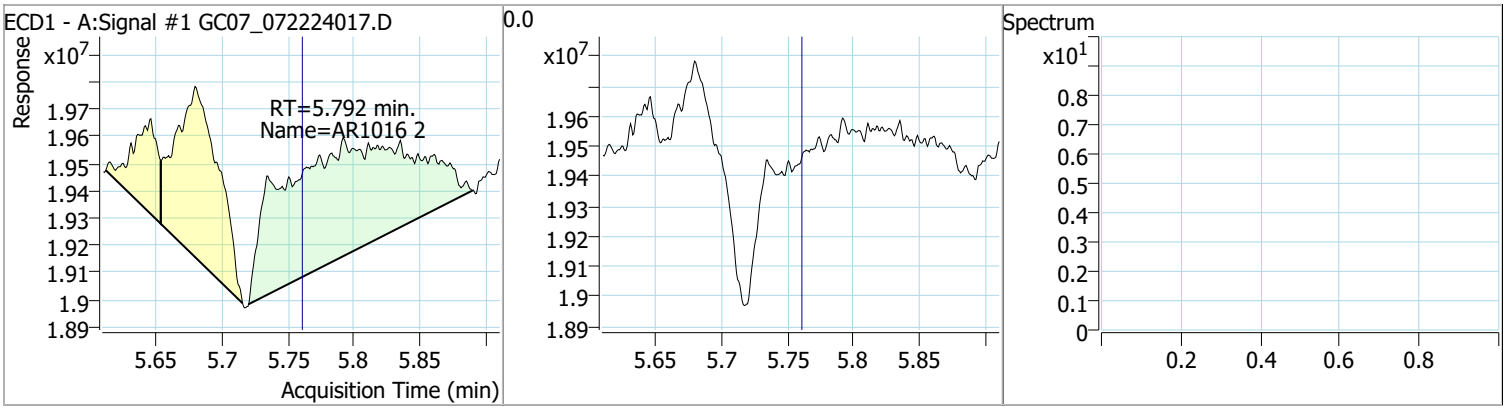
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.5045	5.37	0.00	22947647				



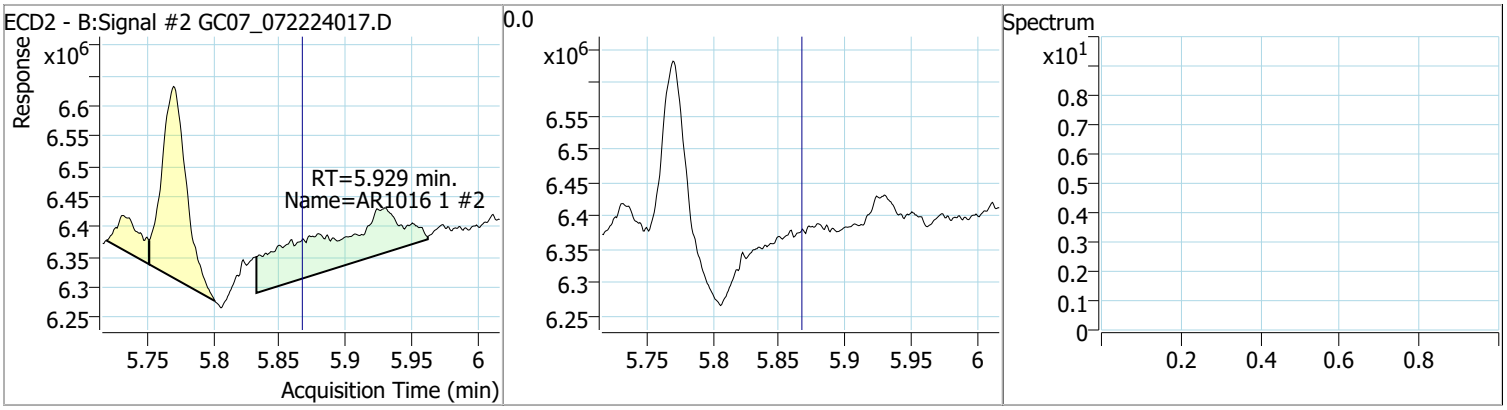
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	50.9774	5.45	0.03	2113460				



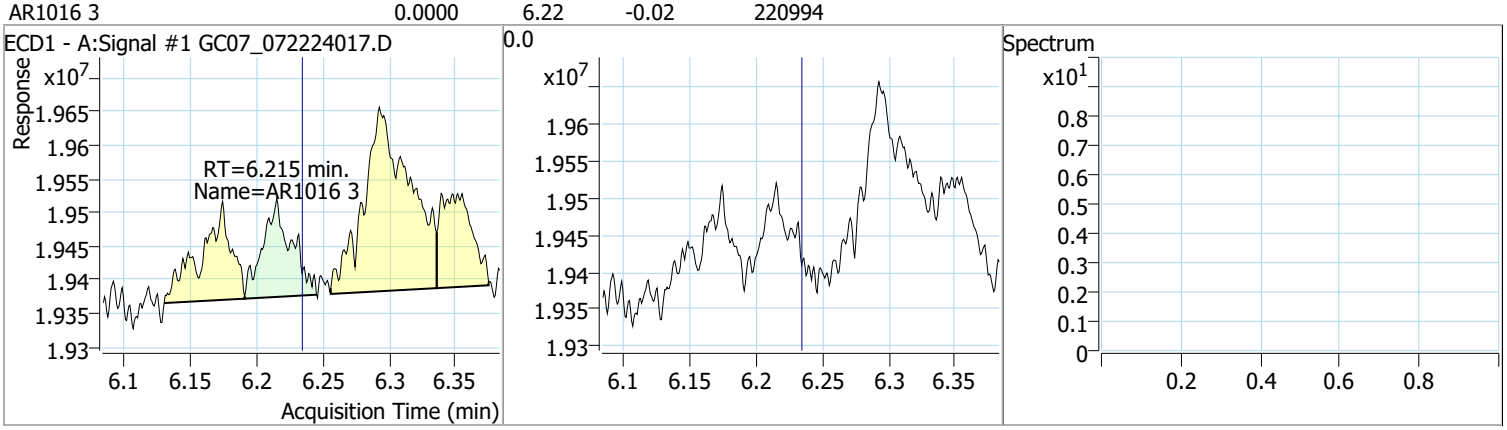
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	33.9153	5.79	0.03	2921025				



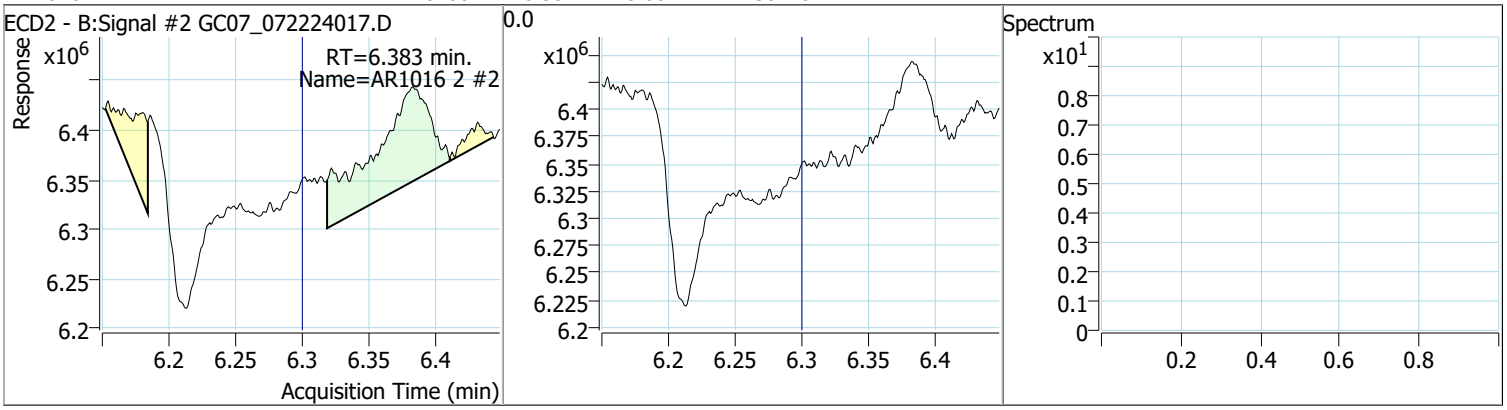
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	35.0879	5.93	0.06	407419				



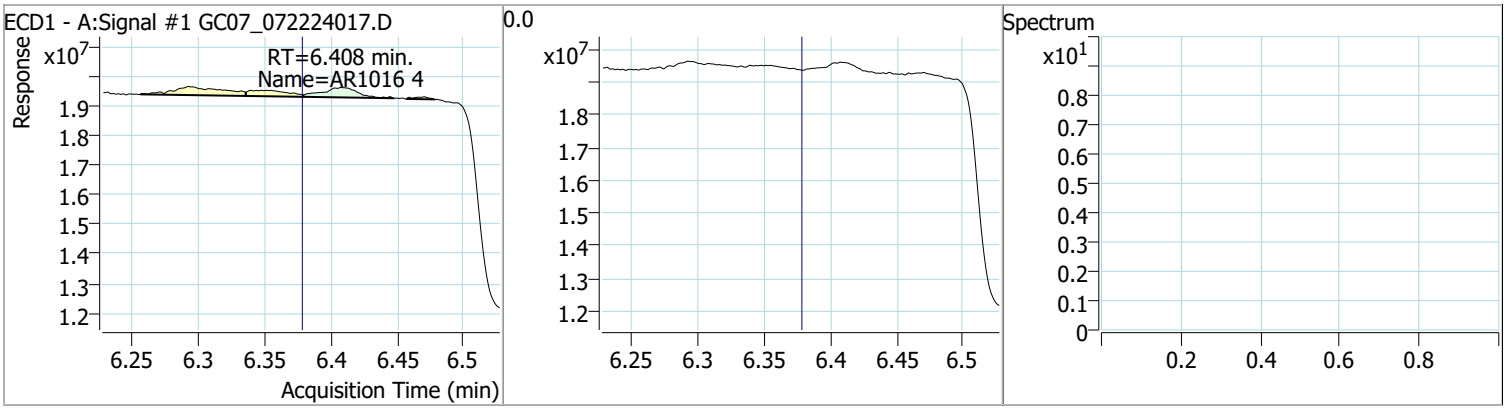
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.22	-0.02	220994				



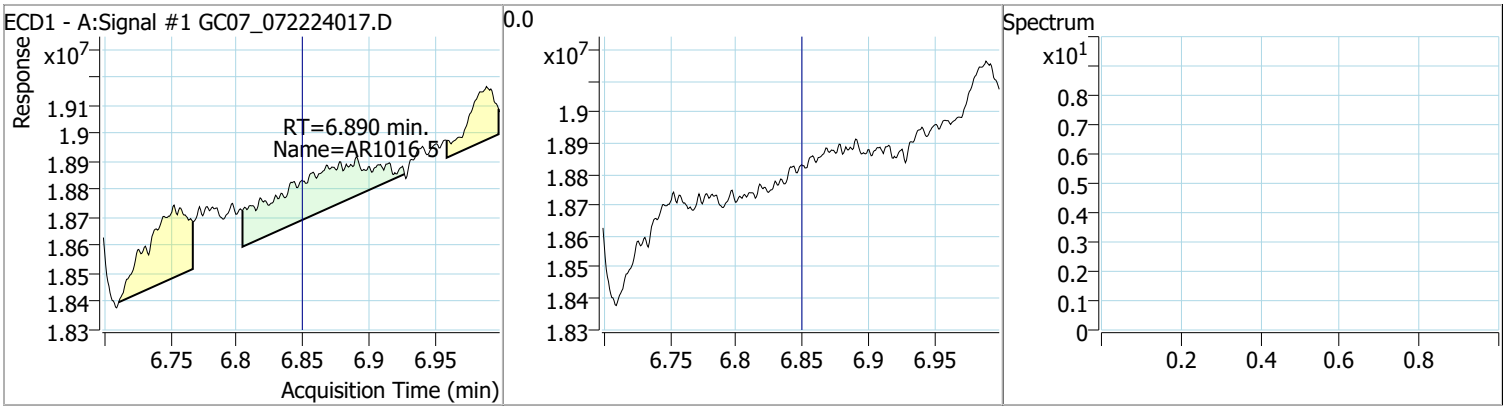
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.6200	6.38	0.08	302752				



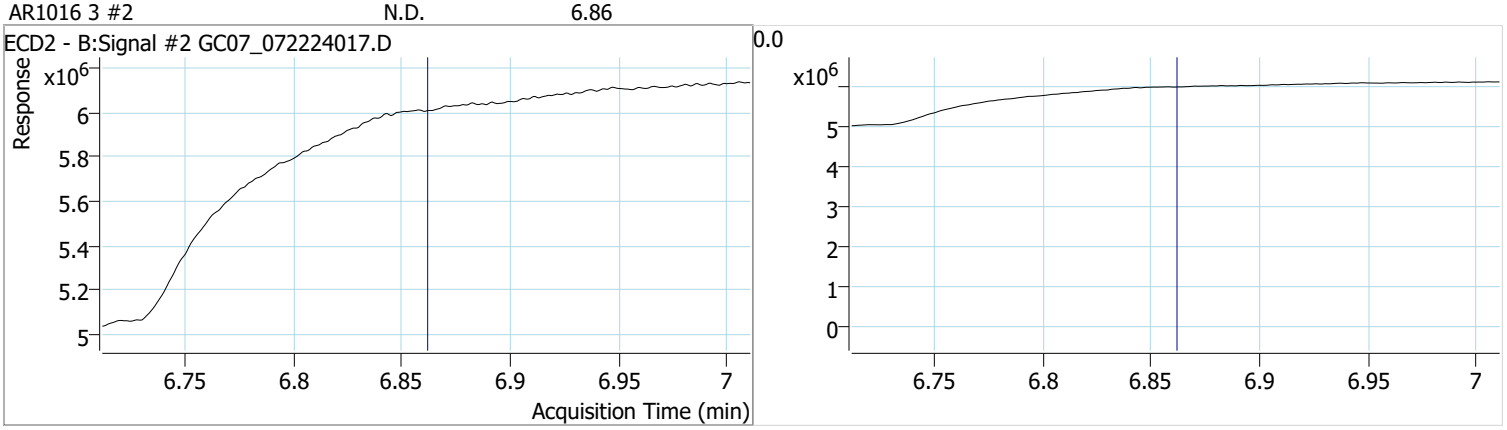
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	8.6500	6.41	0.03	623386				



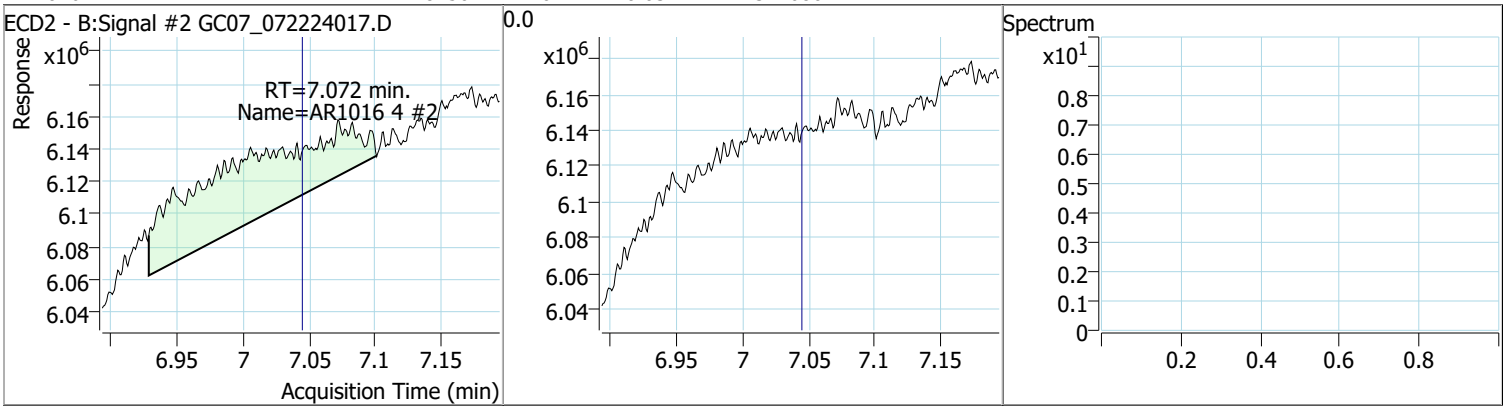
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	12.6565	6.89	0.04	801766				



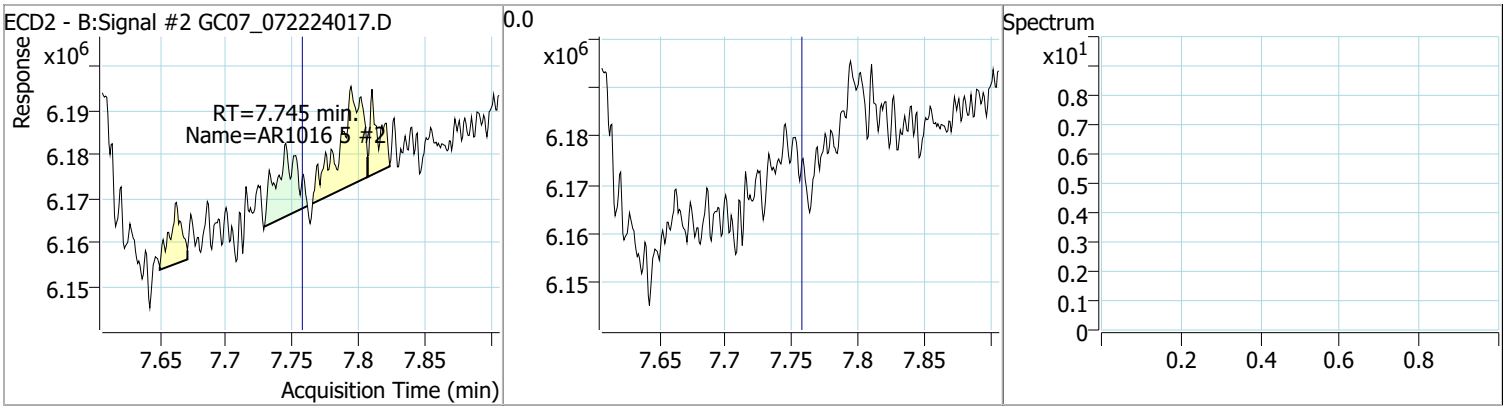
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 3 #2	N.D.	6.86		



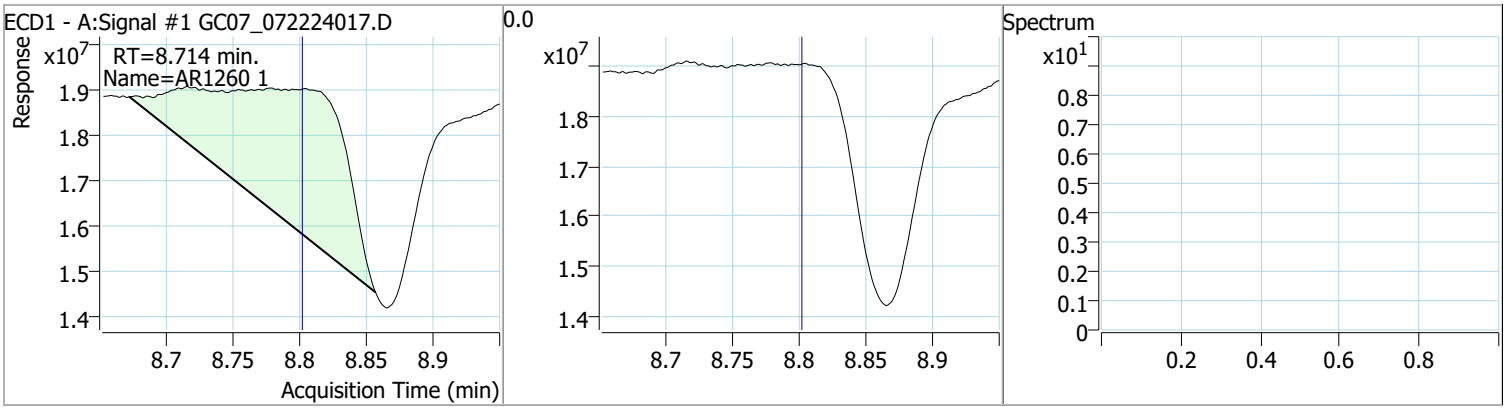
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	14.8150	7.07	0.03	327680				



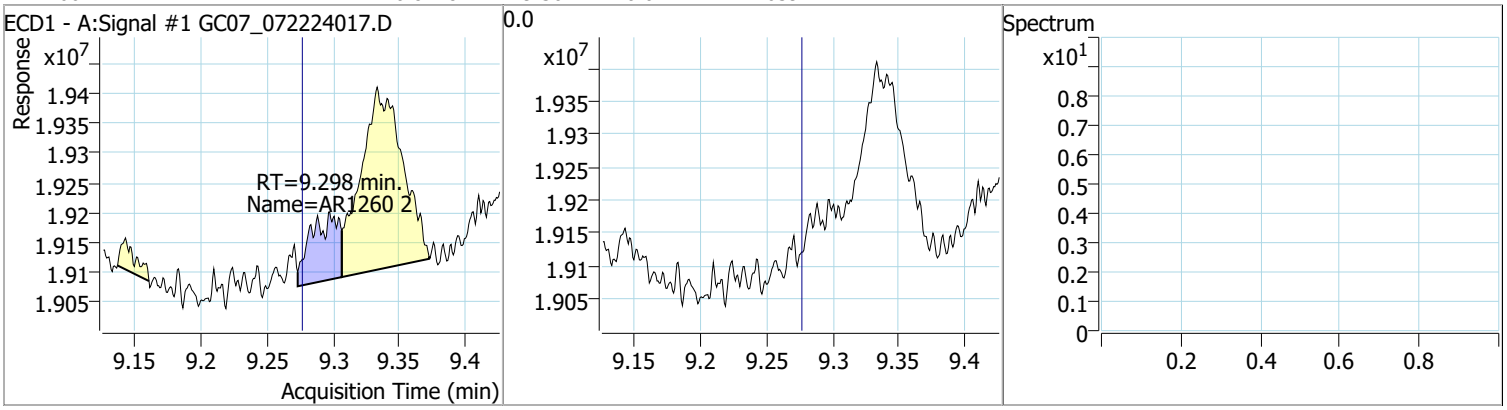
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9669	7.75	-0.01	17296				



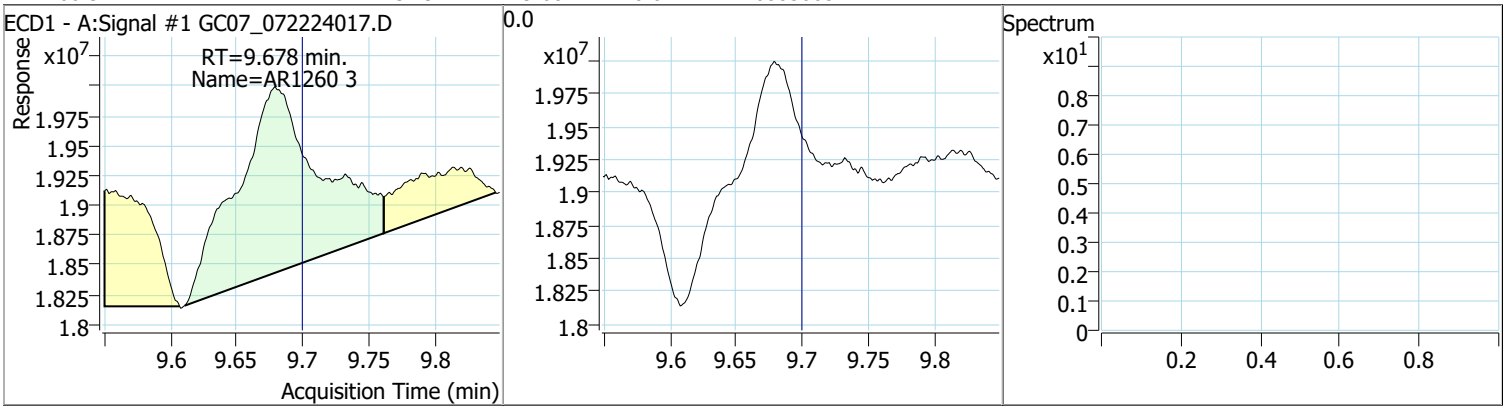
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	164.8931	8.71	-0.09	20949845				



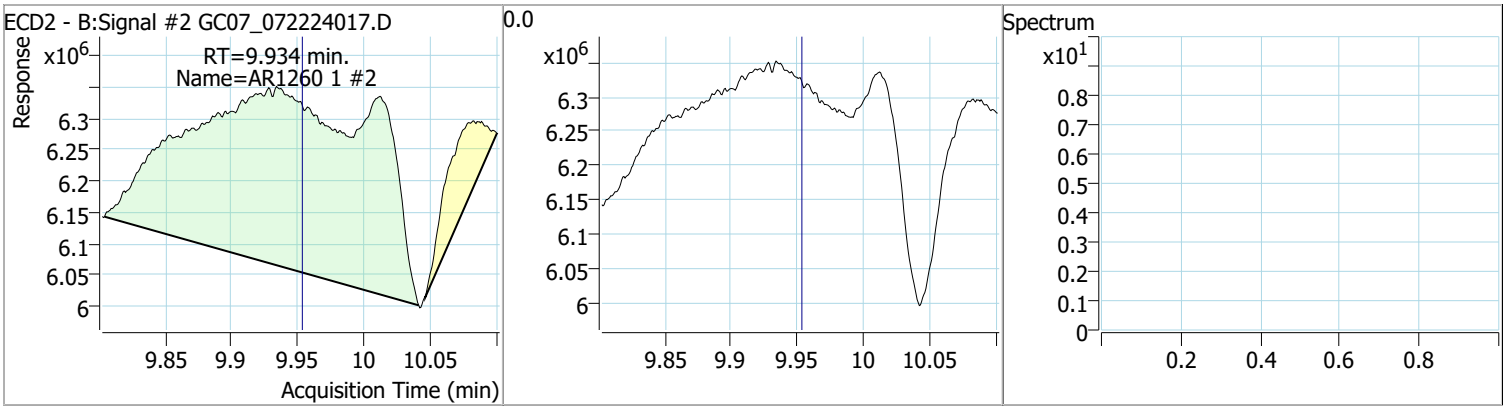
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.8448	9.30	0.02	163921				



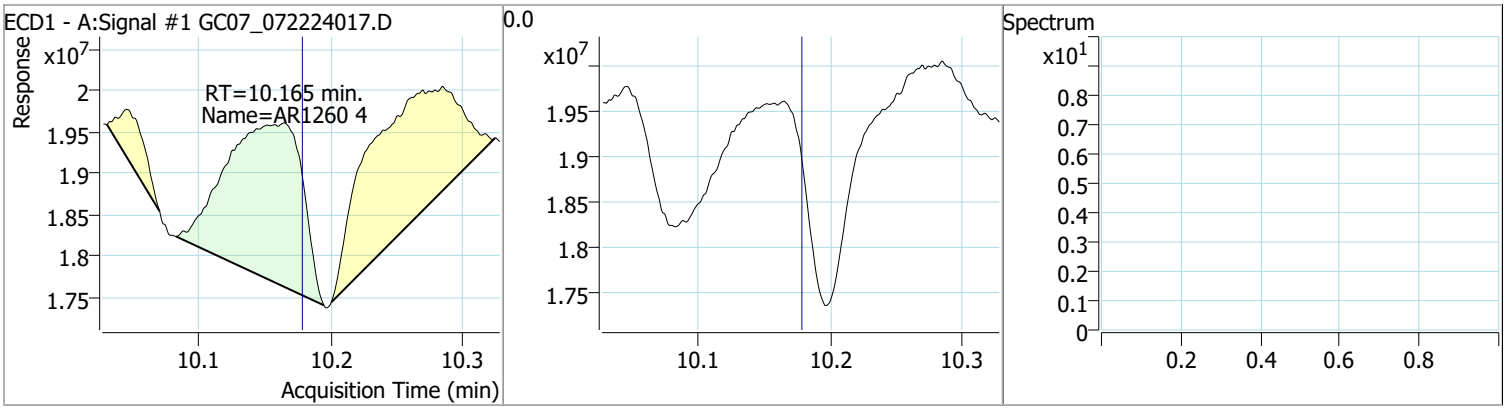
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	32.9772	9.68	-0.02	6885005				



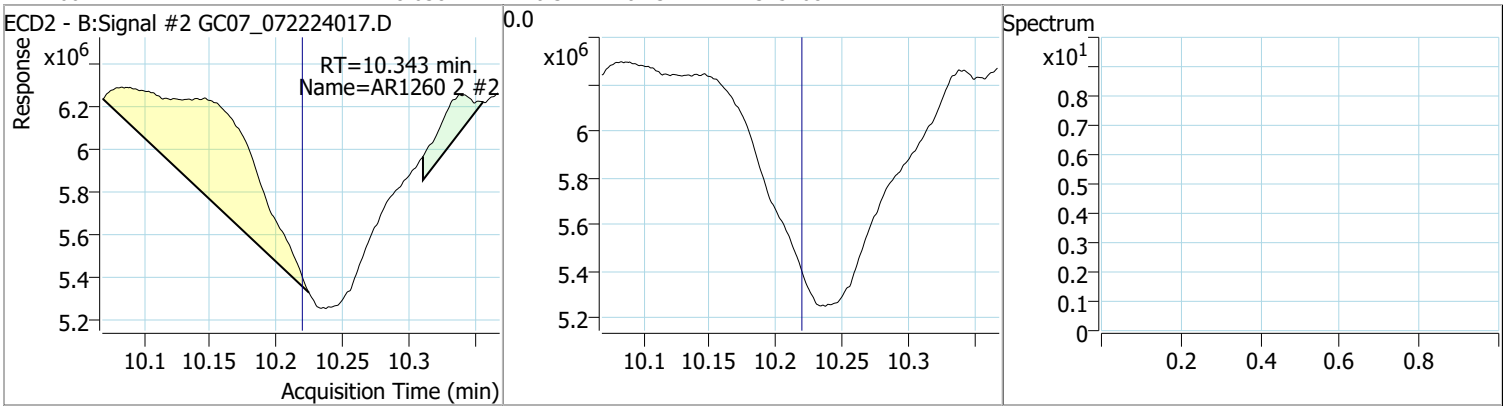
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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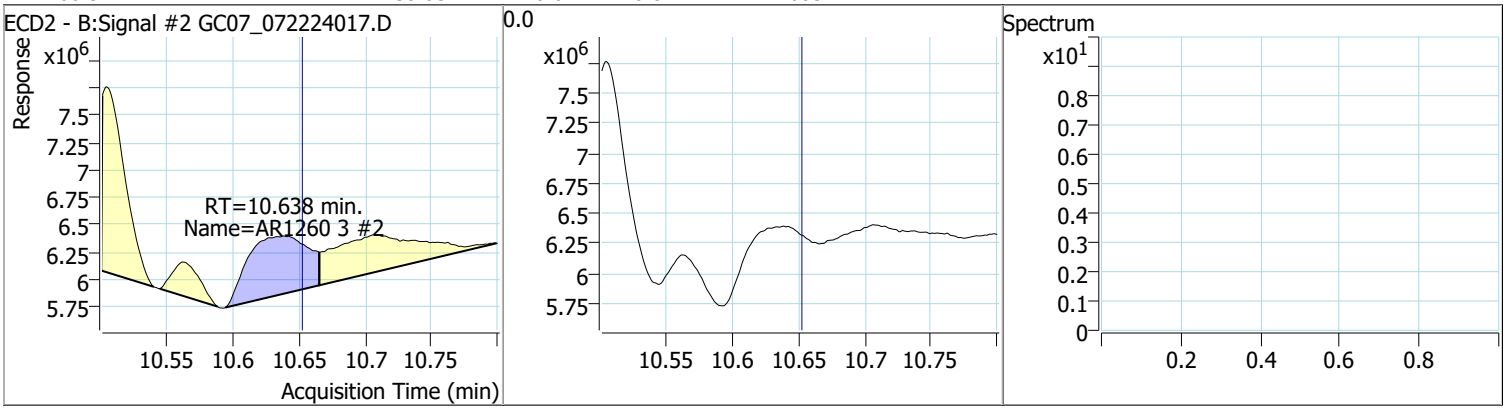
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	63.0826	10.17	-0.01	7614291				



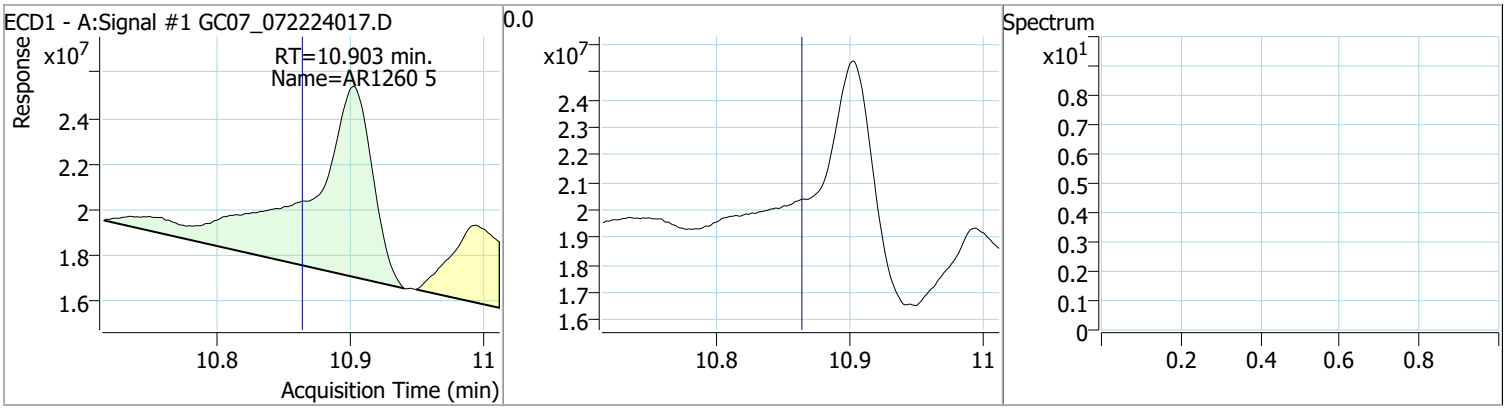
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.6384	10.34	0.13	345268				



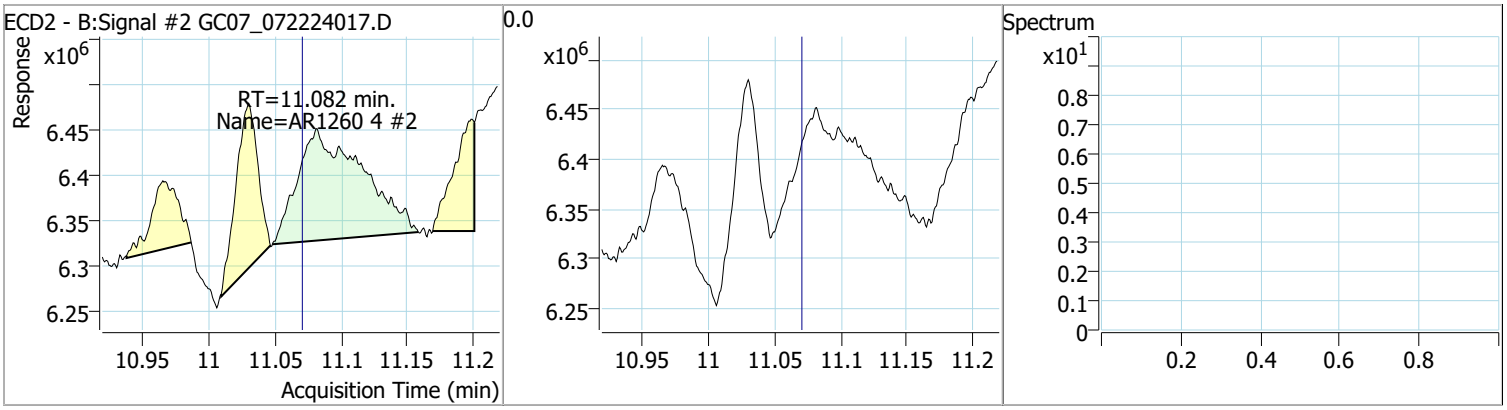
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	35.5542	10.64	-0.01	1710532				



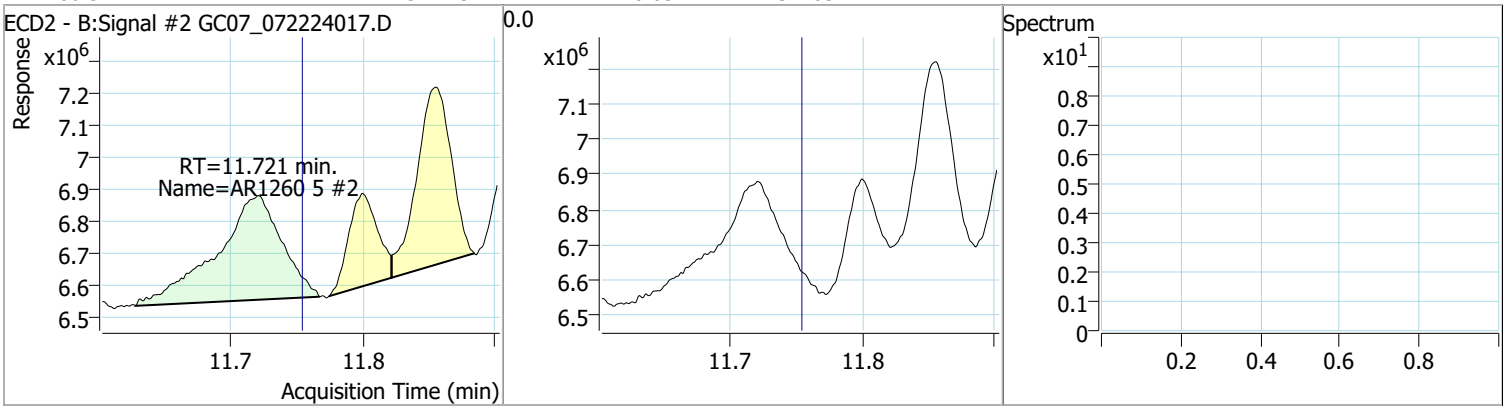
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	207.3784	10.90	0.04	29974032				



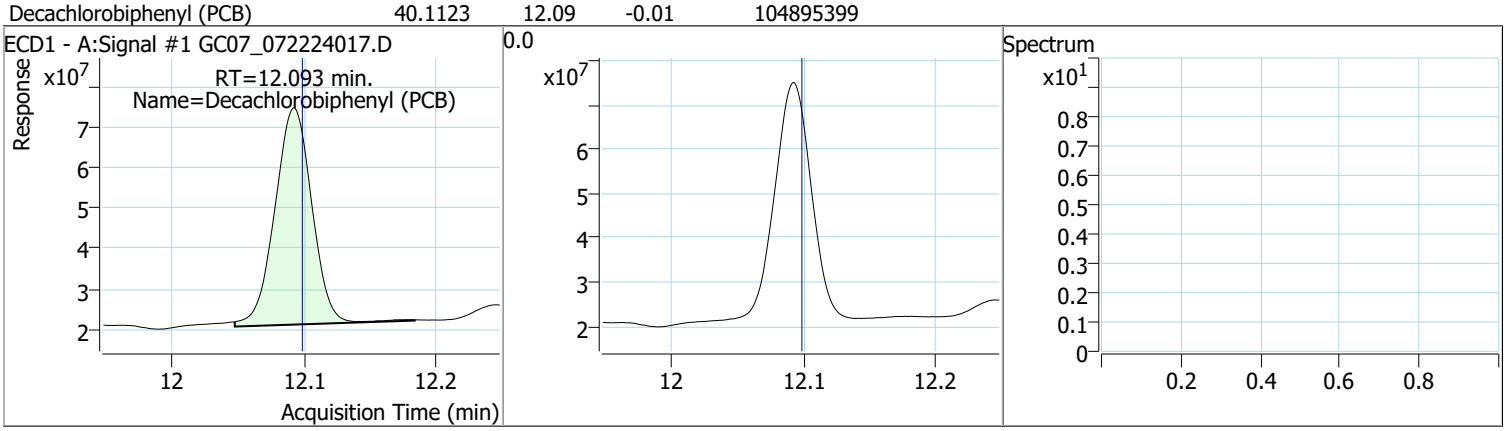
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.7522	11.08	0.01	418364				



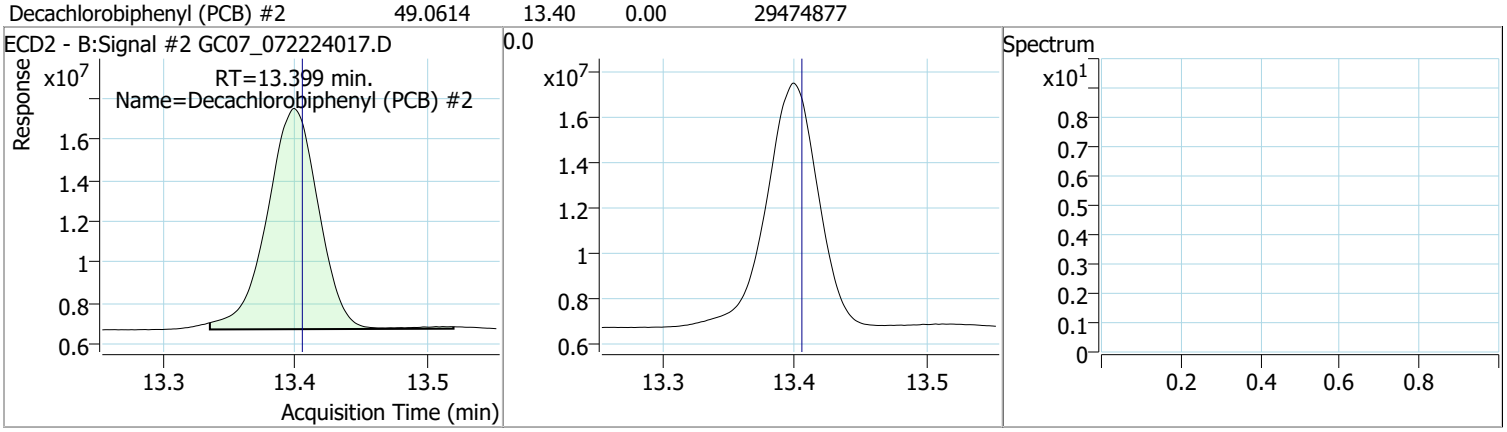
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.1113	11.72	-0.03	1134103				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.1123	12.09	-0.01	104895399				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.0614	13.40	0.00	29474877				



ENTHALPY SPIKE USER REPORT FOR 512356 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	464294361018.2	Seqnum:	464294361019.2
File:	gc07_072224018	File:	gc07_072224019
IDF:	1.0	IDF:	1.0
Lab ID:	QC1171121	Lab ID:	QC1171122
Matrix:	Wipe	Matrix:	Wipe
Batch:	345600	Batch:	345600
Time:	22-JUL-2024 14:42	Time:	22-JUL-2024 15:00
Cal:	464259633001	Cal:	464259633001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	446.9	4.469	B	89	455.2	4.552	B	91	60-140	2	20	u
Aroclor-1016 Peak # 1		451.0	4.510	B		438.5	4.385	B					
Aroclor-1016 Peak # 2		434.5	4.345	B		453.5	4.535	B					
Aroclor-1016 Peak # 3		445.6	4.456	B		459.6	4.596	B					
Aroclor-1016 Peak # 4		432.9	4.329	B		444.6	4.446	B					
Aroclor-1016 Peak # 5		470.5	4.705	B		479.6	4.796	B					
Aroclor-1260	5.000	484.3	4.843	B	97	489.2	4.892	B	98	60-140	1	20	u
Aroclor-1260 Peak # 1		501.3	5.013	B		509.4	5.094	B					
Aroclor-1260 Peak # 2		501.7	5.017	B		483.9	4.839	B					
Aroclor-1260 Peak # 3		530.0	5.300	B		539.2	5.392	B					
Aroclor-1260 Peak # 4		425.0	4.250	B		438.9	4.389	B					
Aroclor-1260 Peak # 5		463.6	4.636	B		474.4	4.744	B					
Surrogates													
TCMX (PCB)	0.5000	43.63	0.4363	B	87	45.39	0.4539	B	91	19-121			u
Decachlorobiphenyl (PCB)	0.5000	49.18	0.4918	B	98	48.85	0.4885	B	98	19-121			c+ u

ISTD (CCV gc07_072224004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	11242878	2.53
1-bromo-2-nitrobenzene (PCB)	A	47936344	49330290	2.91

ISTD (CCV gc07_072224004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (CCV gc07_072224004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10700703	-2.42
1-bromo-2-nitrobenzene (PCB)	A	47936344	44795891	-6.55

ISTD (CCV gc07_072224004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

07/23/24 : WIPE/1dm3-10ML [general version]

MES 07/23/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 1 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 4 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 1 B]: Corrected automatically drawn baseline for Ch. B for spike. [general version]

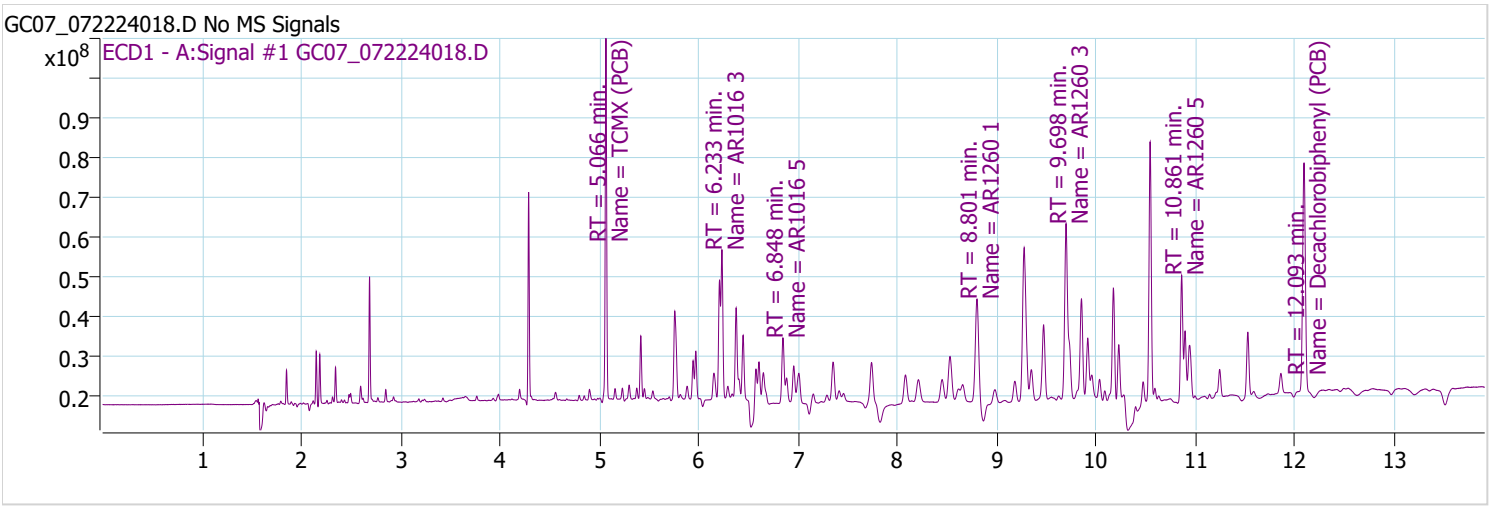
MES 07/23/24 [Aroclor-1260 Peak # 4 B]: Corrected automatically drawn baseline for Ch. B for spike. [general version]

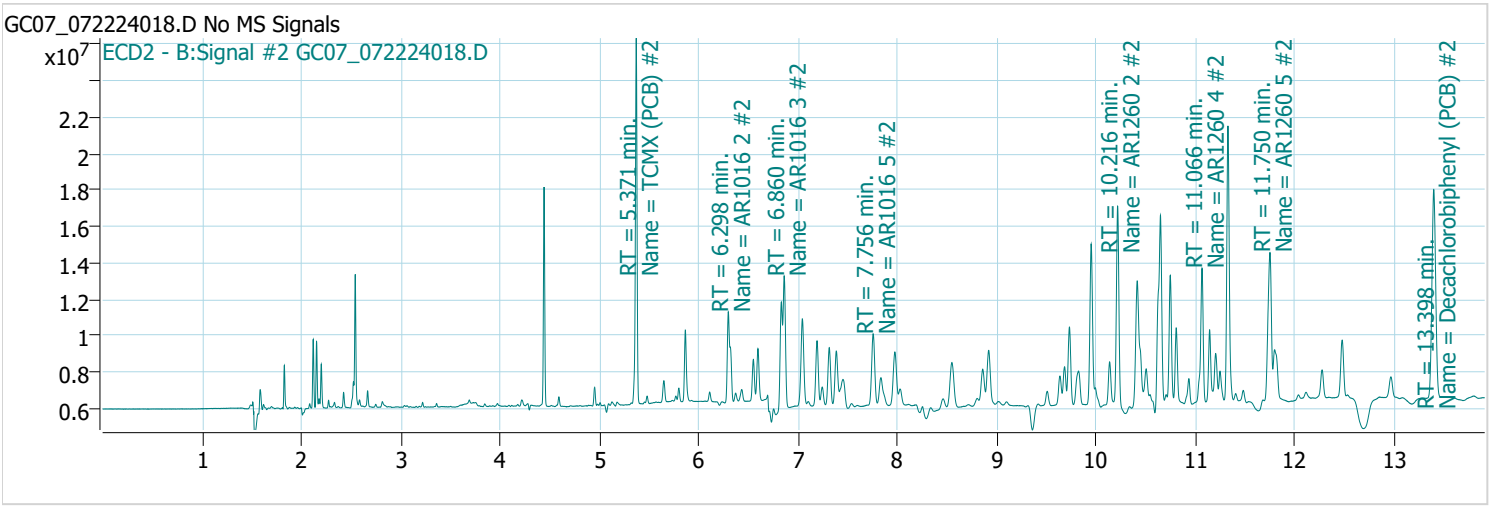
+=high bias c=CCV u=use

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224018.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 2:42:37 PM
Sample Name	QC1171121, 345600, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



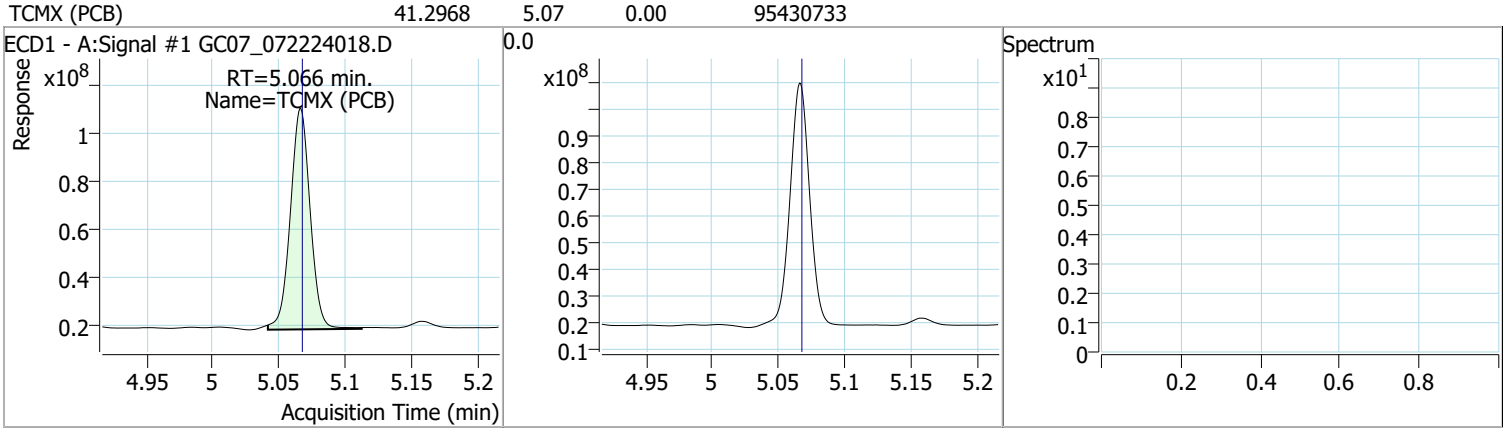


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	49330289.673	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	11242878.150	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.066	0.0	95430733.226	41.2968	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.48%		*	
S TCMX (PCB) #2	5.371	0.0	23529641.534	43.6328	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.16%		*	
S Decachlorobiphenyl (PCB)	12.093	0.0	120211913.313	44.1989	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.99%		*	
S Decachlorobiphenyl (PCB) #2	13.398	0.0	30203797.187	49.1759	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.88%		*	
Target Compounds							QValue

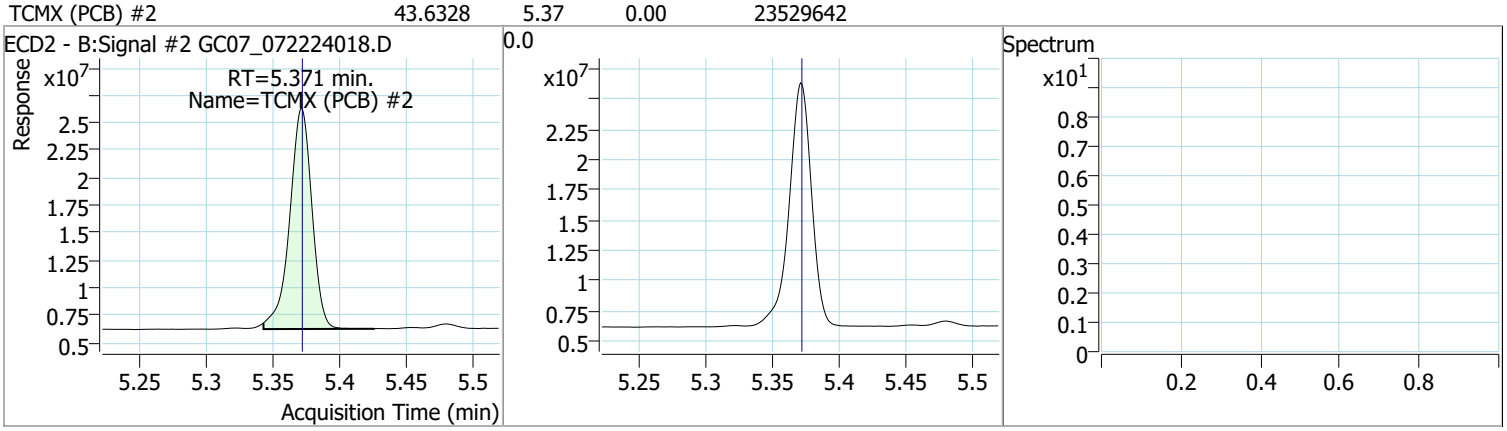
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.417	0.0	17528411.522	406.5090	ng/ml		100
T AR1016 2	5.759	0.0	39024979.966	435.6595	ng/ml		100
T AR1016 1 #2	5.865	0.0	5353598.494	450.9875	ng/ml		100
T AR1016 3	6.233	0.0	50951549.742	478.7269	ng/ml		100
T AR1016 2 #2	6.298	0.0	10657218.100	434.5284	ng/ml		100
T AR1016 4	6.377	0.0	38945936.310	519.5933	ng/ml	m	100
T AR1016 5	6.848	0.0	26672811.082	404.8354	ng/ml		100
T AR1016 3 #2	6.860	0.0	13629662.819	445.5769	ng/ml		100
T AR1016 4 #2	7.043	0.0	9787739.201	432.8507	ng/ml		100
T AR1016 5 #2	7.756	0.0	8604915.268	470.5109	ng/ml		100
T AR1260 1	8.801	0.0	59839383.300	452.8479	ng/ml	m	100
T AR1260 2	9.276	0.0	95780127.414	474.5912	ng/ml		100
T AR1260 3	9.698	0.0	108340806.013	498.9360	ng/ml		100
T AR1260 1 #2	9.950	0.0	16304257.407	501.2592	ng/ml	m	100
T AR1260 4	10.173	0.0	61518835.143	490.0405	ng/ml	m	100
T AR1260 2 #2	10.216	0.0	20498711.447	501.6562	ng/ml		100
T AR1260 3 #2	10.648	0.0	26069256.468	530.0182	ng/ml		100
T AR1260 5	10.861	0.0	50612676.914	336.6832	ng/ml		100
T AR1260 4 #2	11.066	0.0	13217691.750	424.9886	ng/ml	m	100
T AR1260 5 #2	11.750	0.0	21403893.877	463.5659	ng/ml		100

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

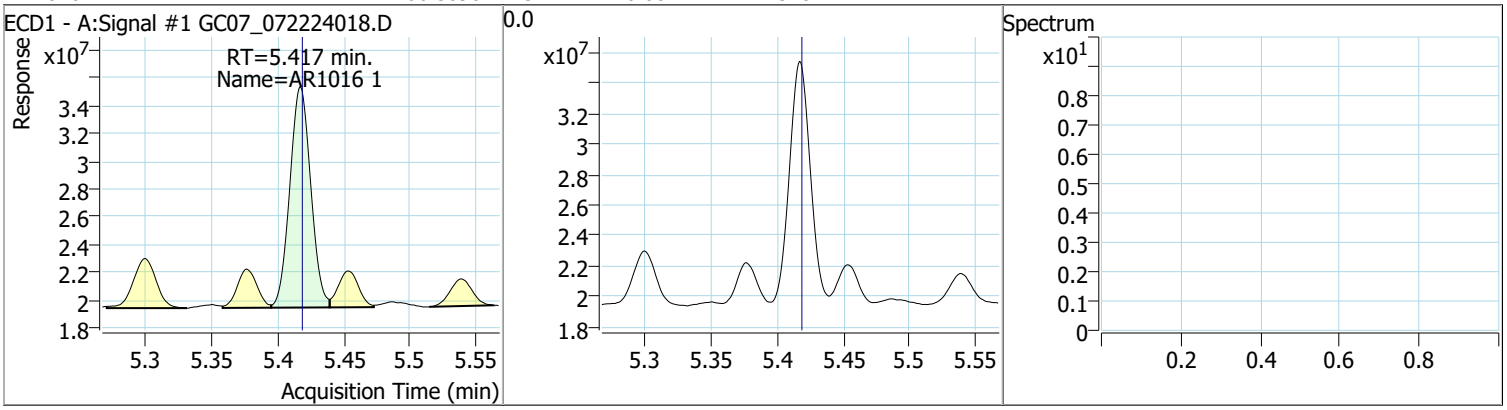
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.2968	5.07	0.00	95430733				



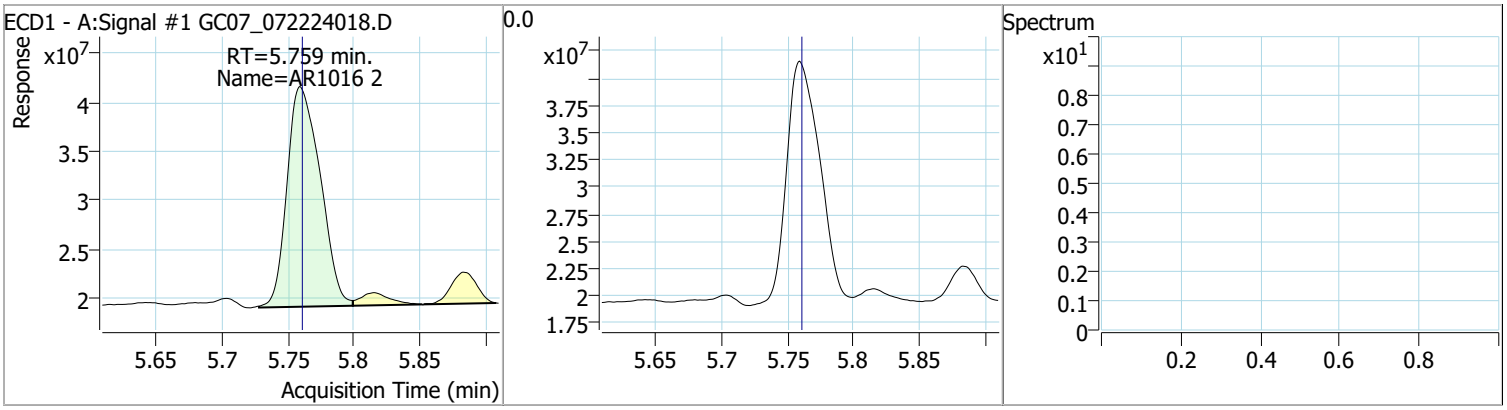
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.6328	5.37	0.00	23529642				



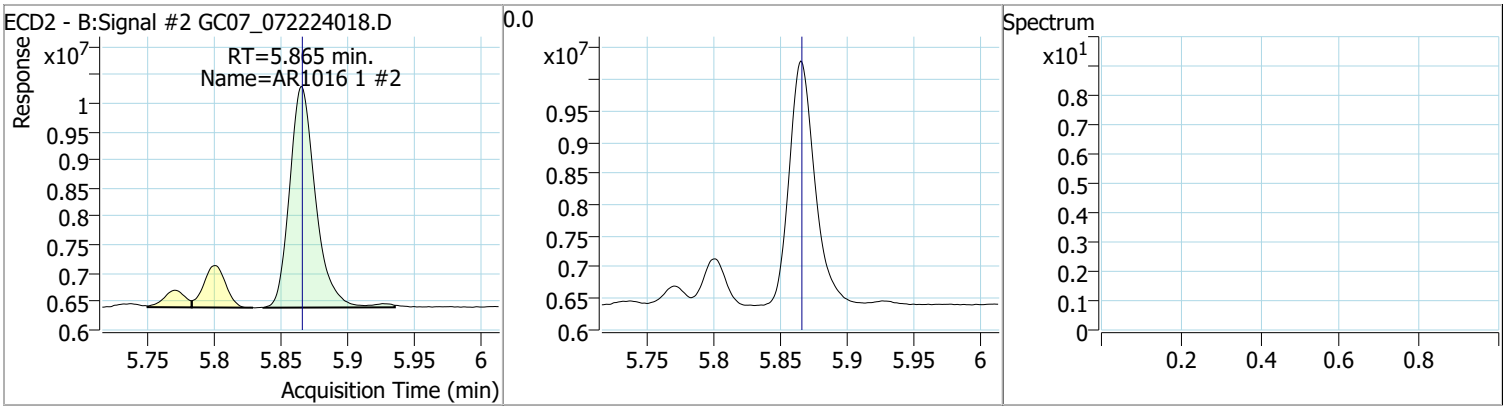
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	406.5090	5.42	0.00	17528412				



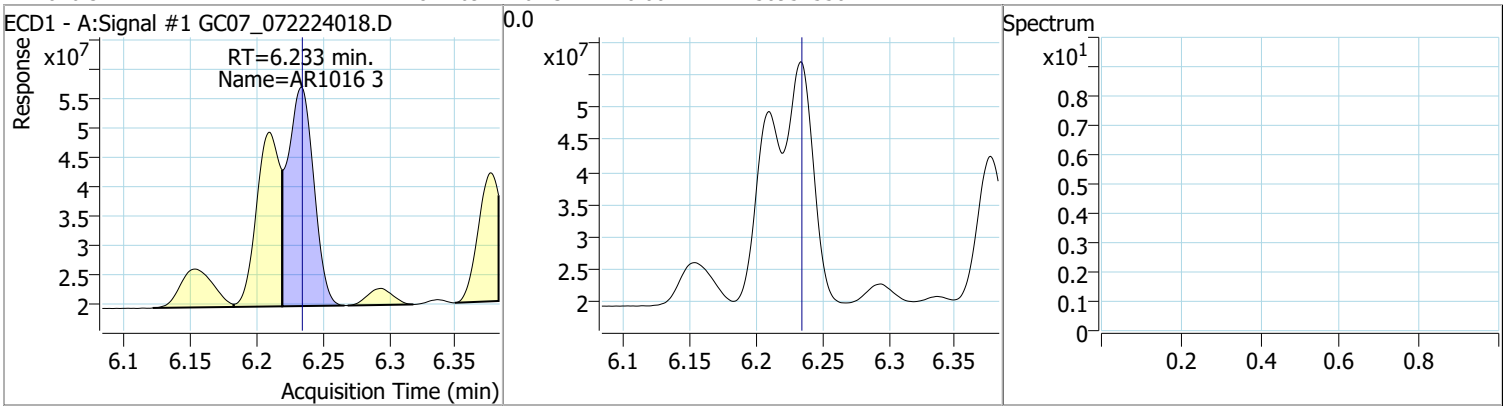
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	435.6595	5.76	0.00	39024980				



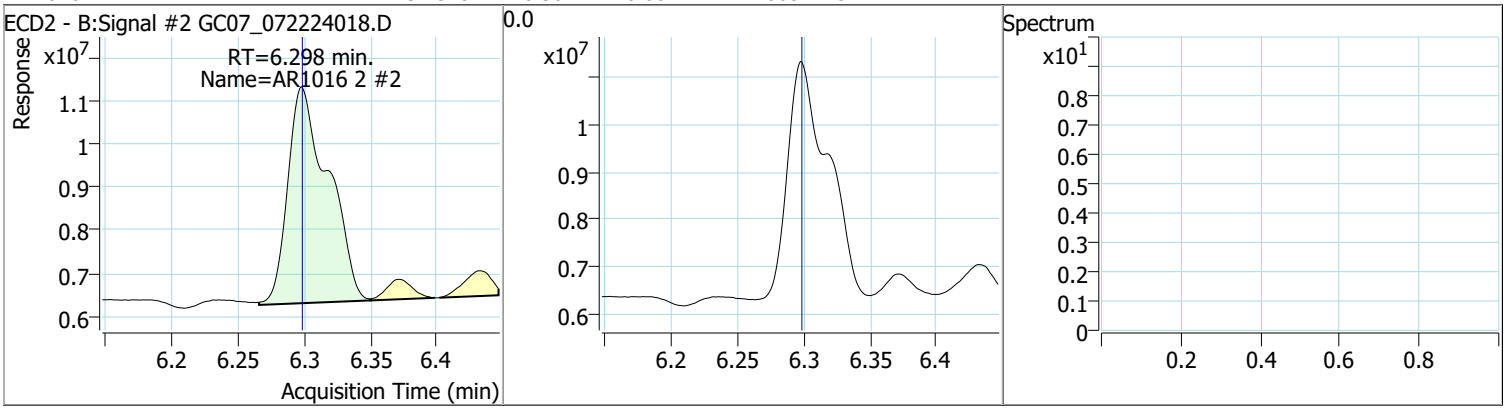
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	450.9875	5.87	0.00	5353598				



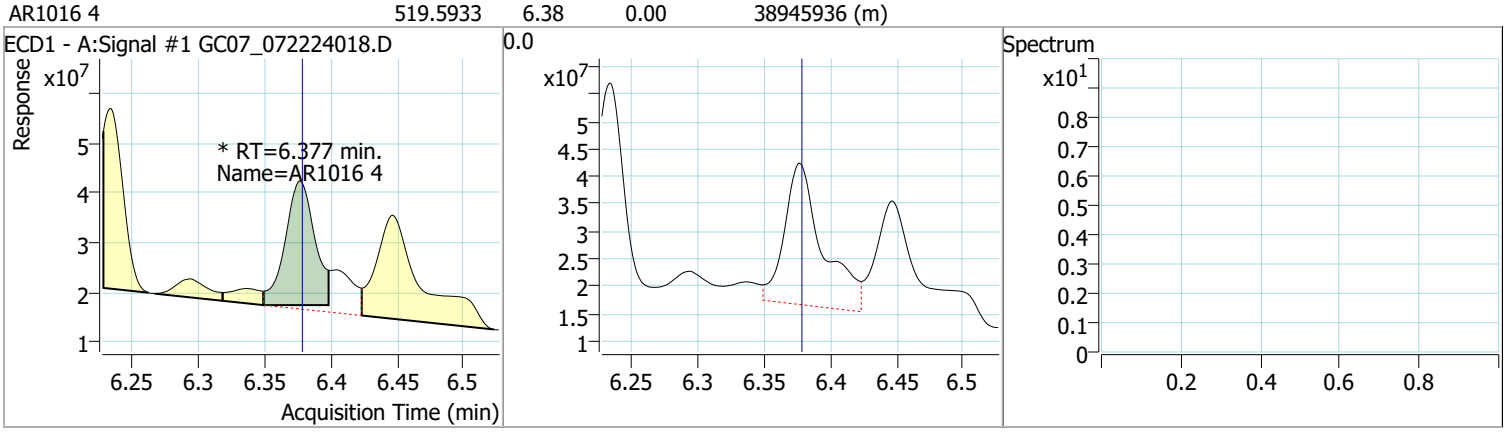
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	478.7269	6.23	0.00	50951550				



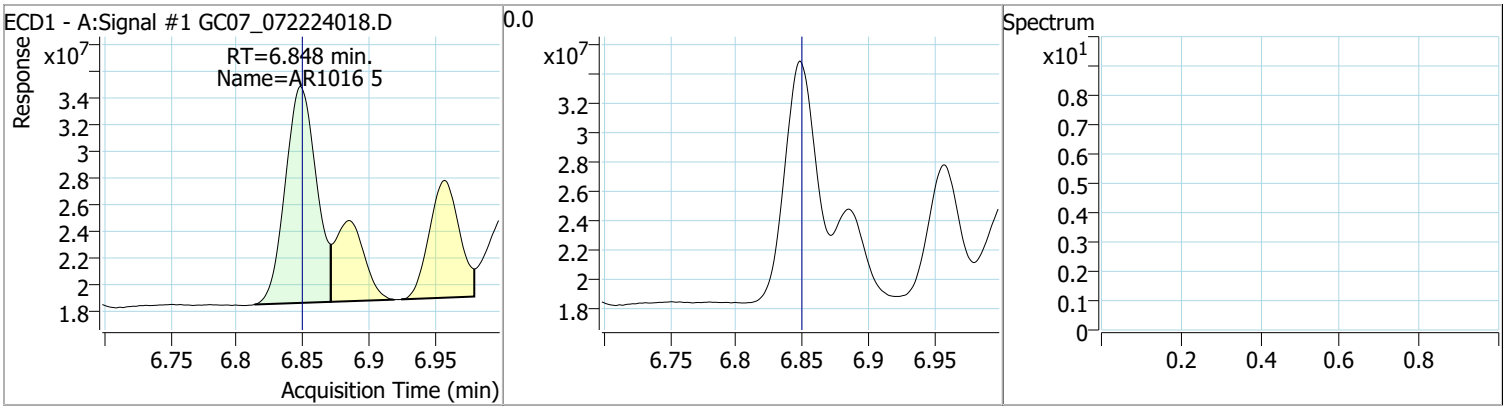
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	434.5284	6.30	0.00	10657218				



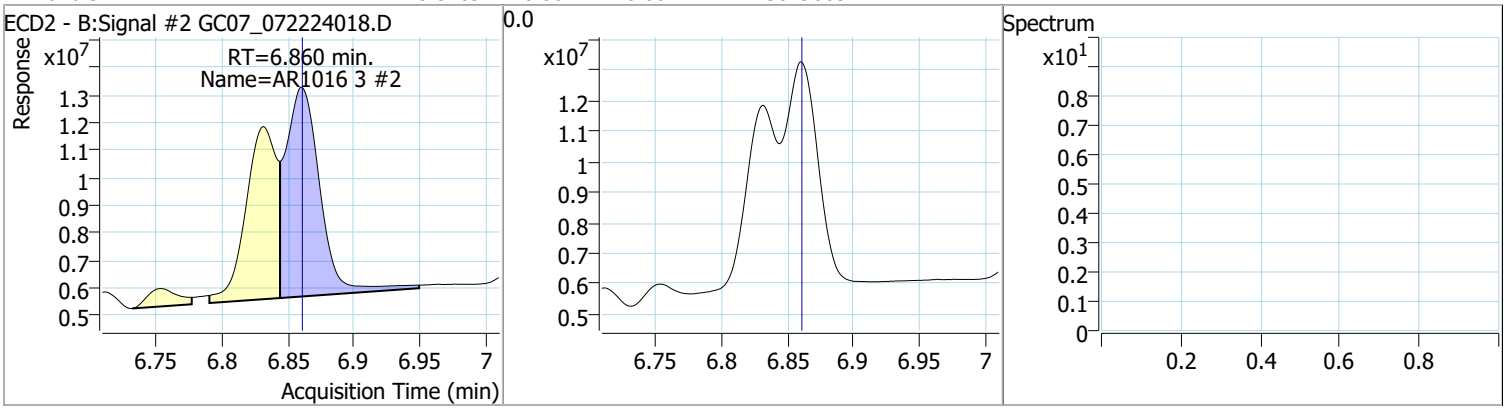
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	519.5933	6.38	0.00	38945936 (m)				



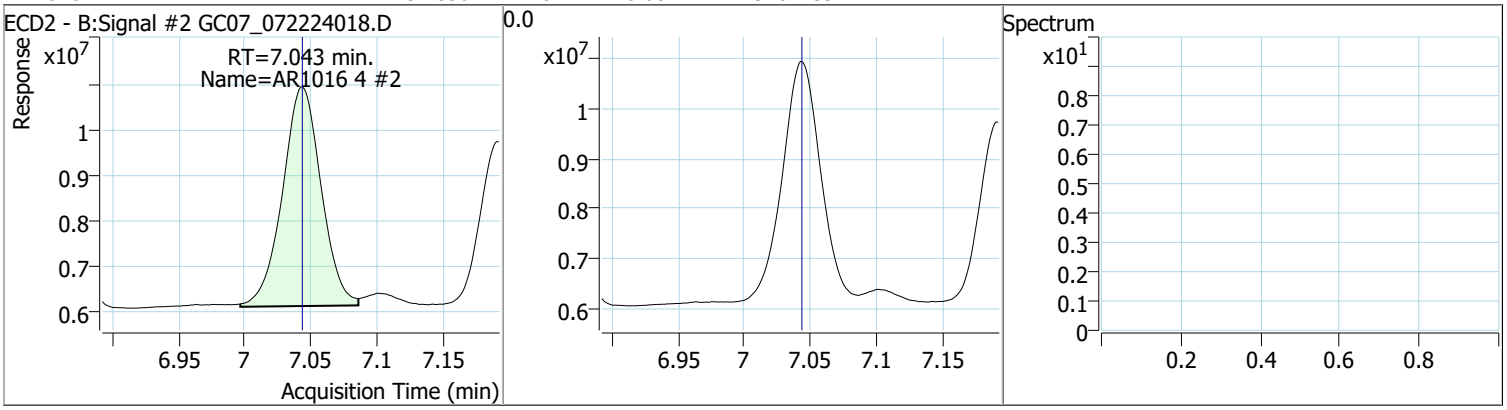
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	404.8354	6.85	0.00	26672811				



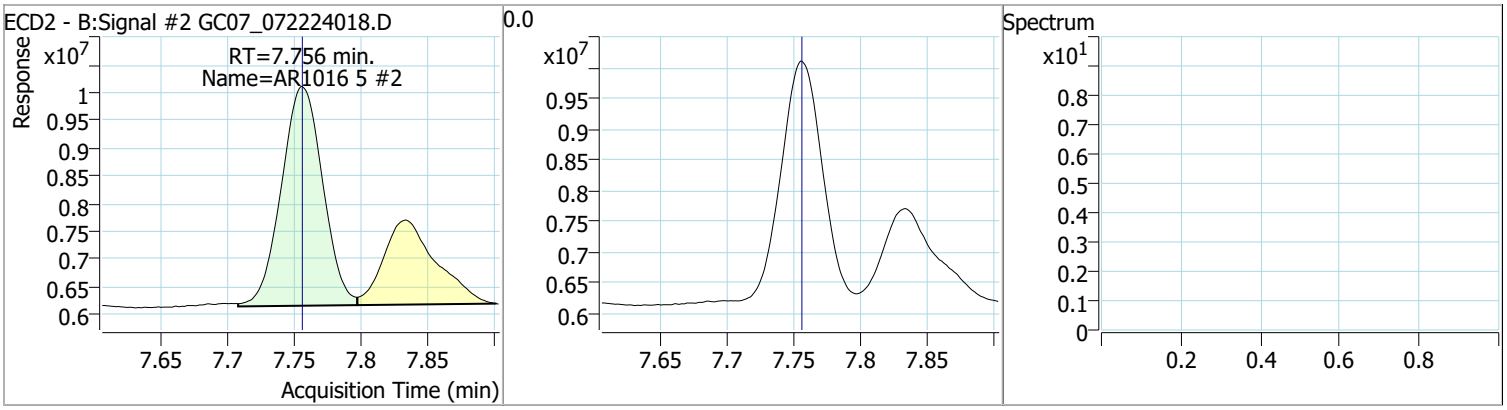
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	445.5769	6.86	0.00	13629663				



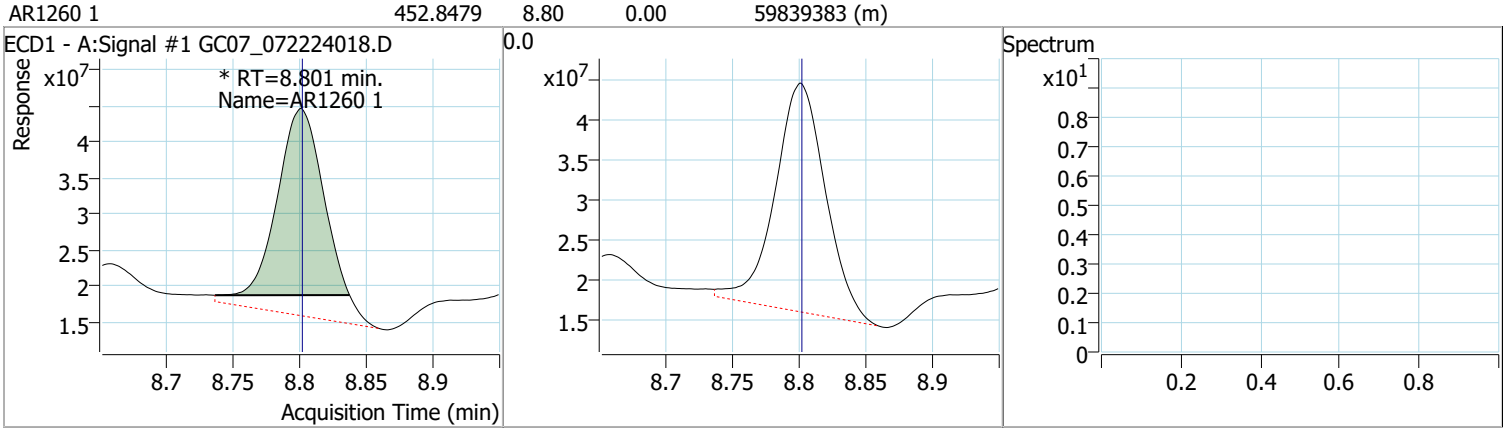
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.8507	7.04	0.00	9787739				



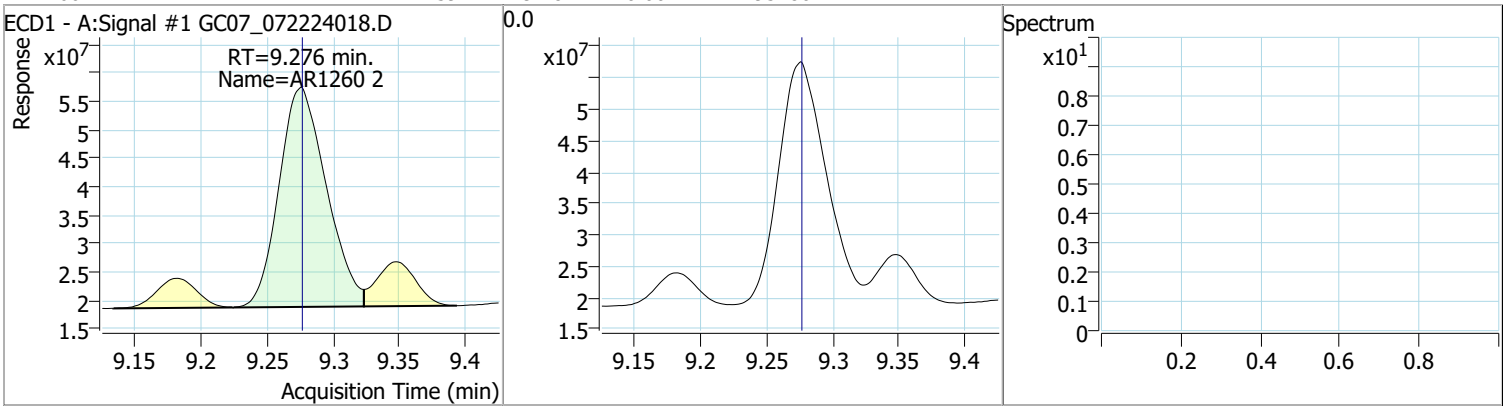
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	470.5109	7.76	0.00	8604915				



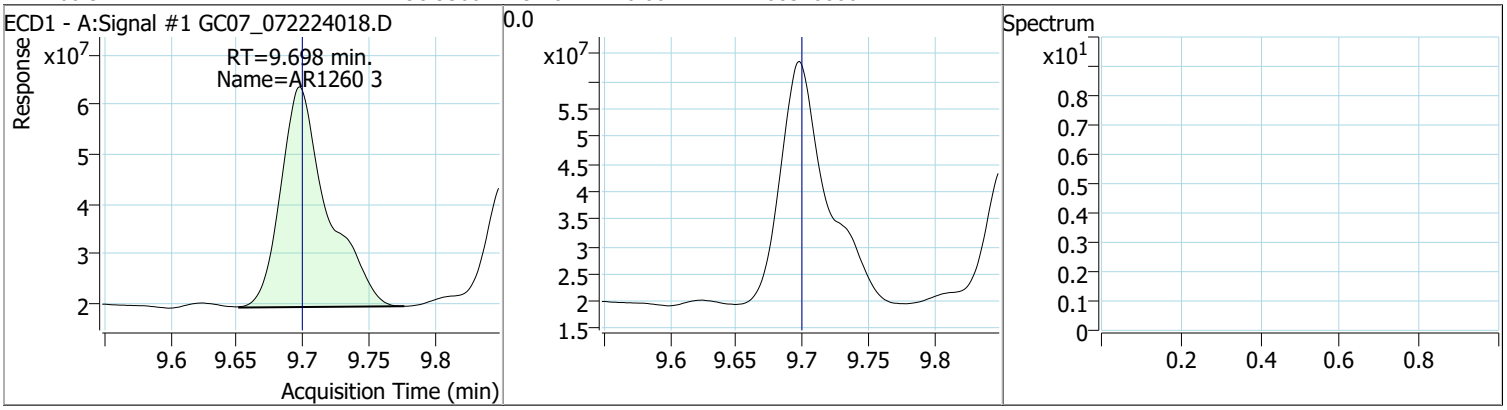
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	452.8479	8.80	0.00	59839383 (m)				



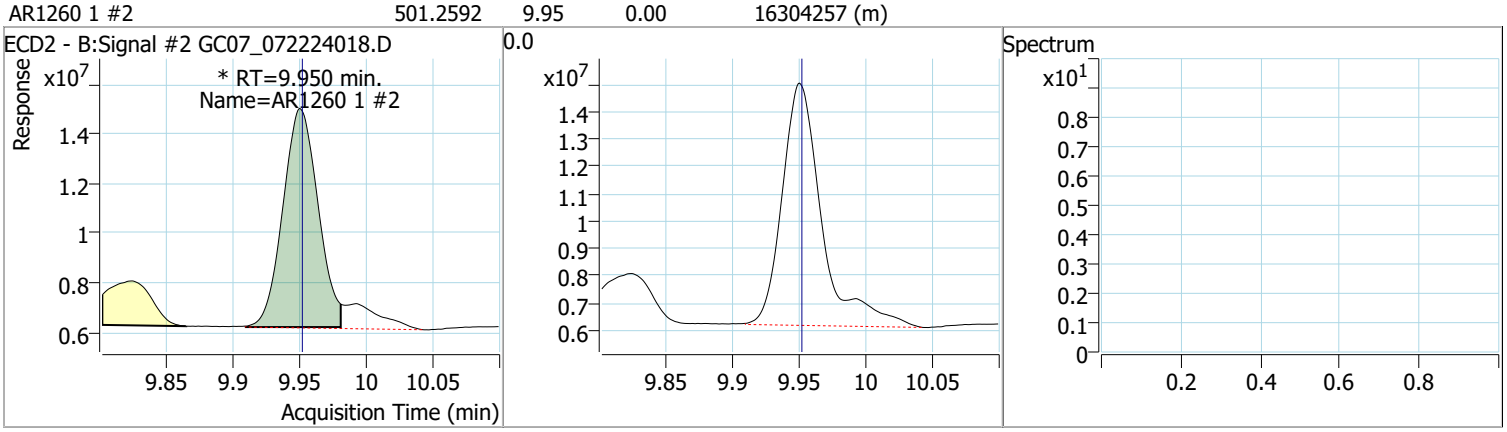
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	474.5912	9.28	0.00	95780127				



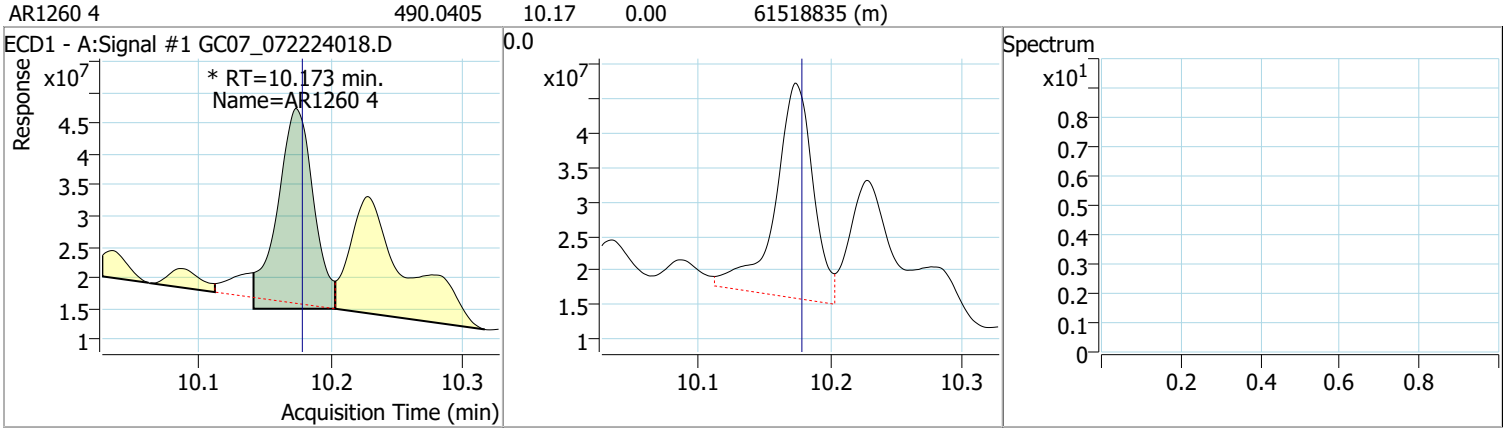
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	498.9360	9.70	0.00	108340806				



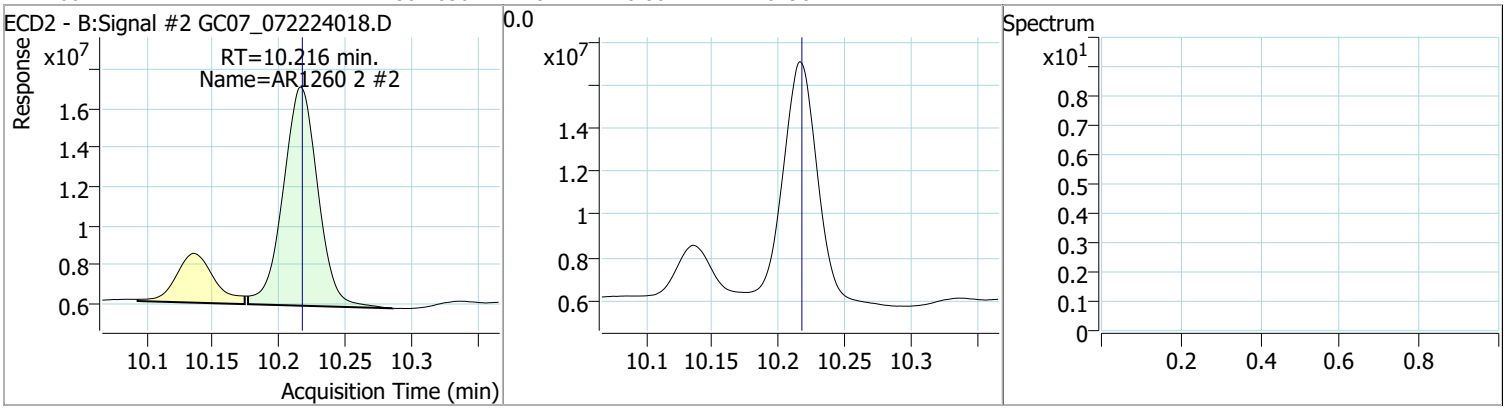
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	501.2592	9.95	0.00	16304257 (m)				



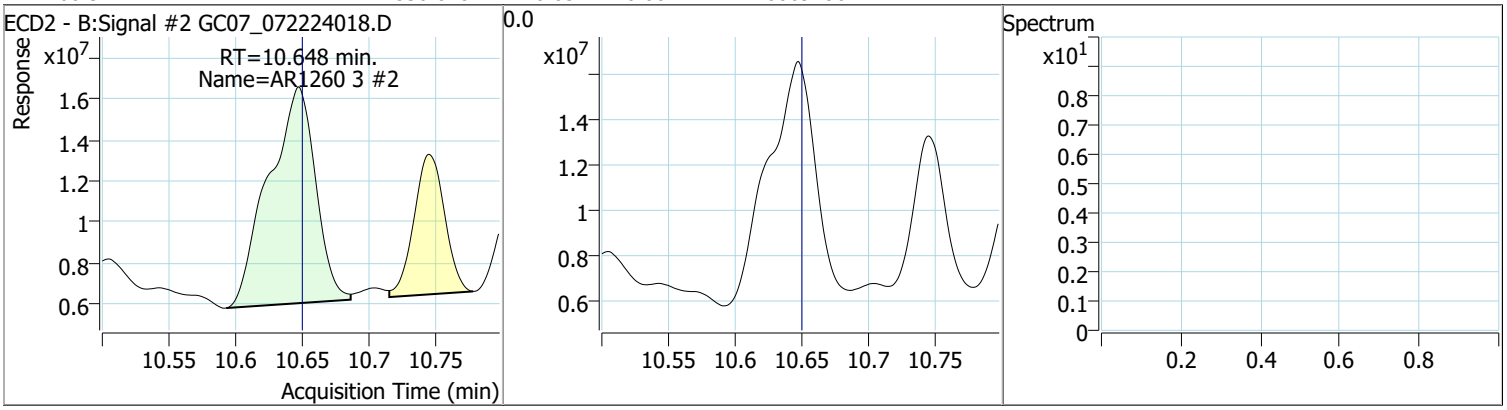
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	490.0405	10.17	0.00	61518835 (m)				



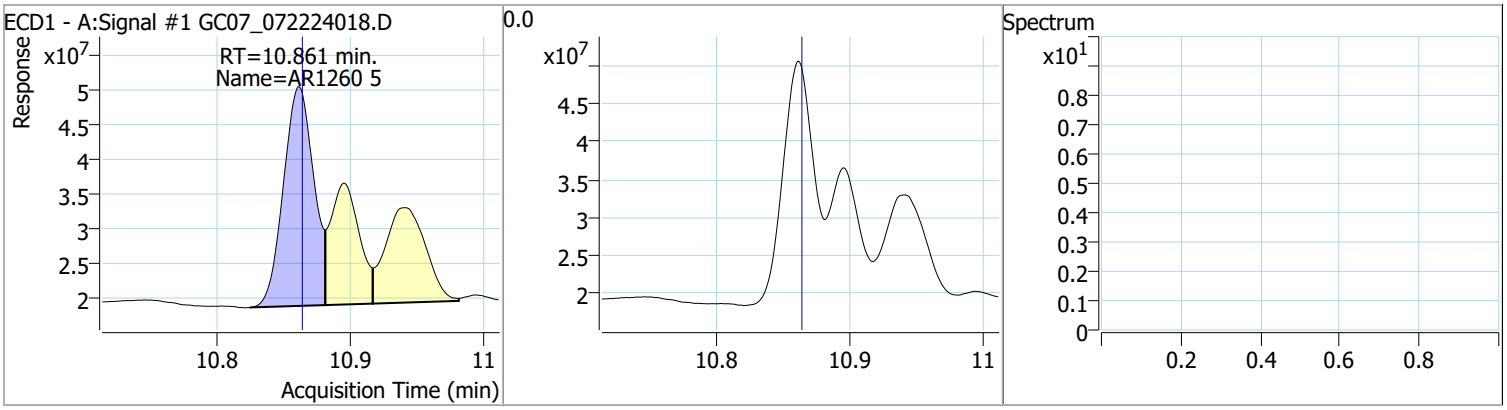
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	501.6562	10.22	0.00	20498711				



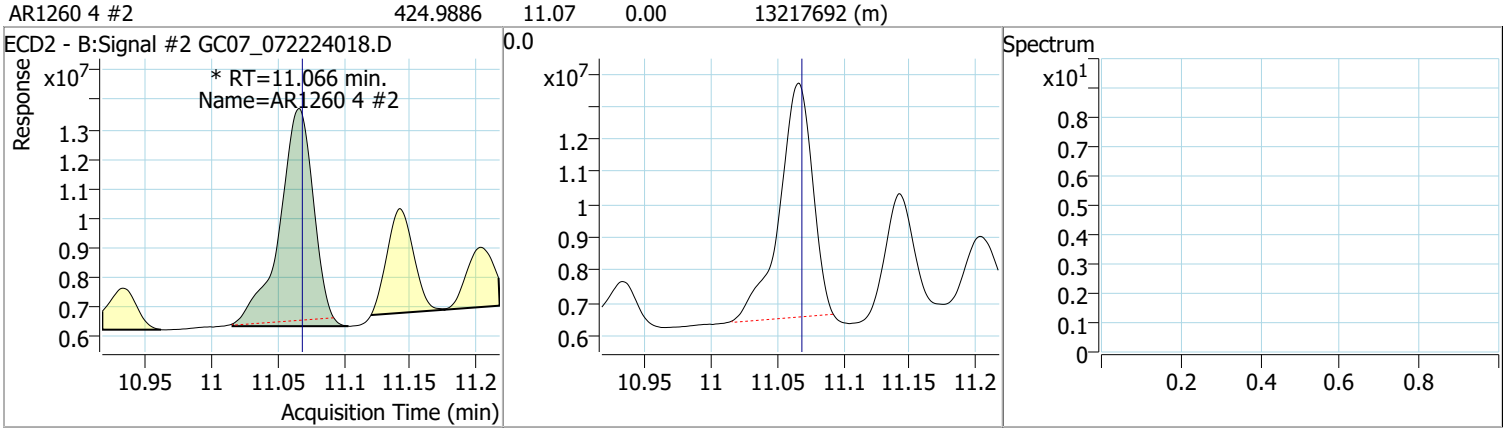
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	530.0182	10.65	0.00	26069256				



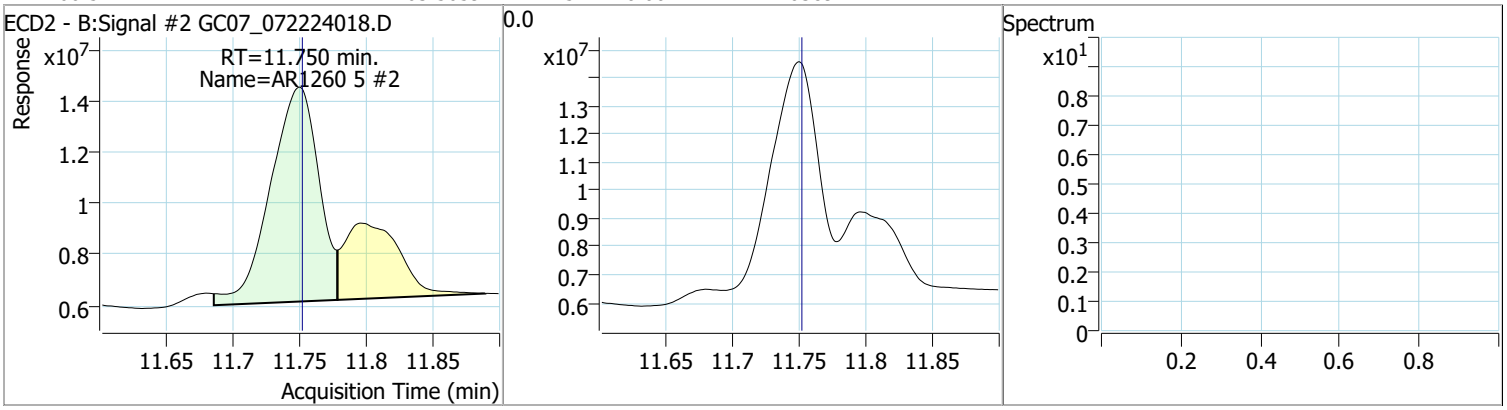
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	336.6832	10.86	0.00	50612677				



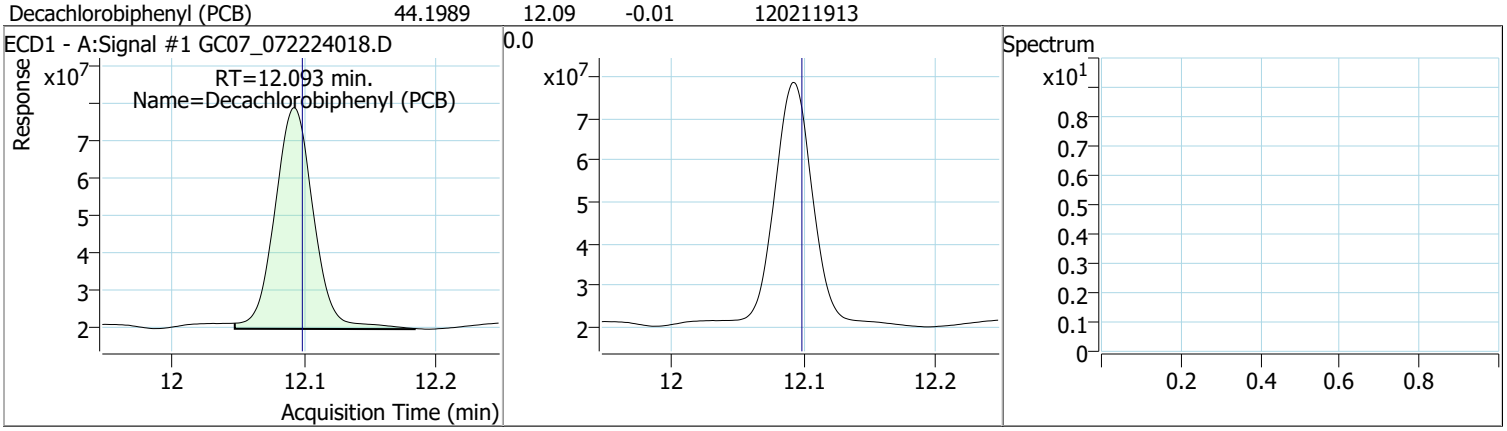
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	424.9886	11.07	0.00	13217692 (m)				



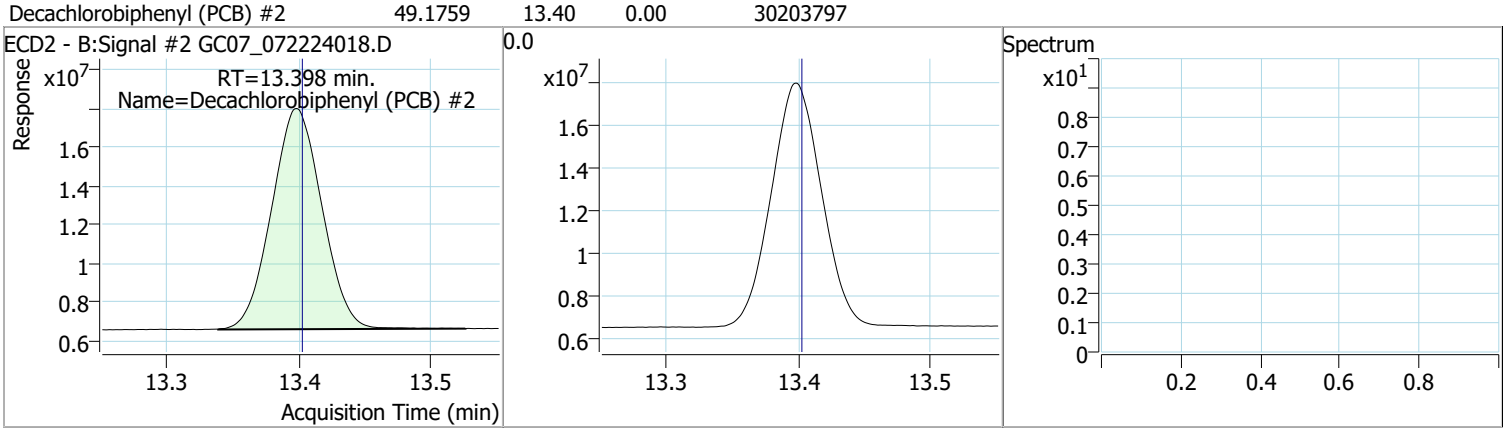
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	463.5659	11.75	0.00	21403894				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.1989	12.09	-0.01	120211913				

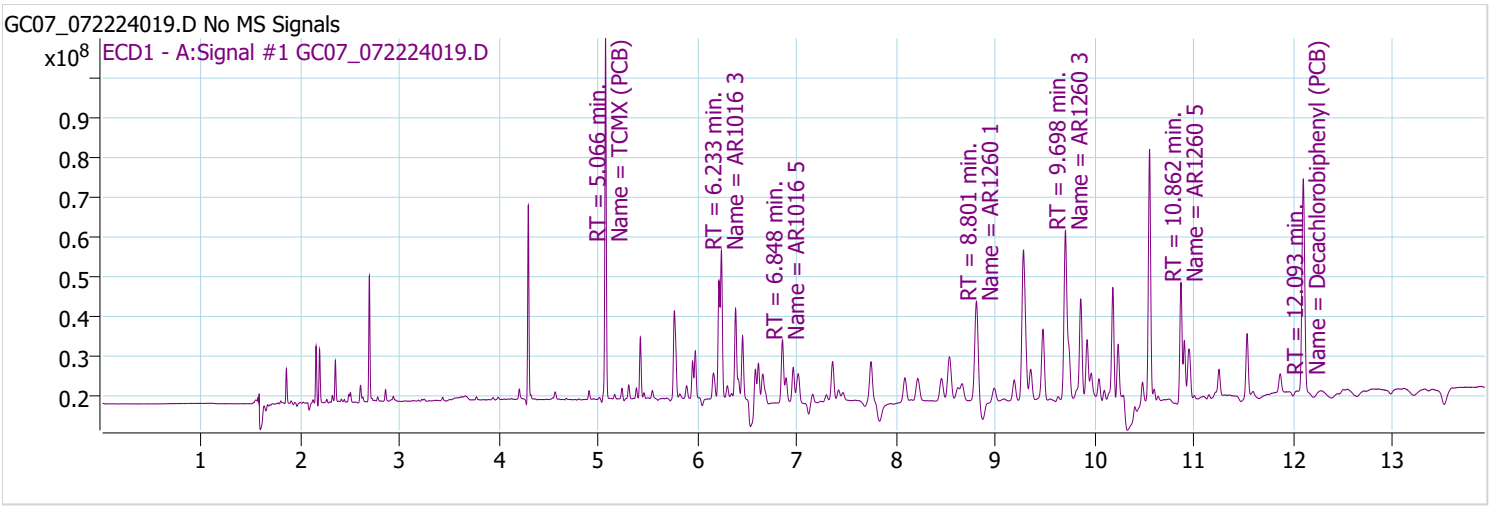


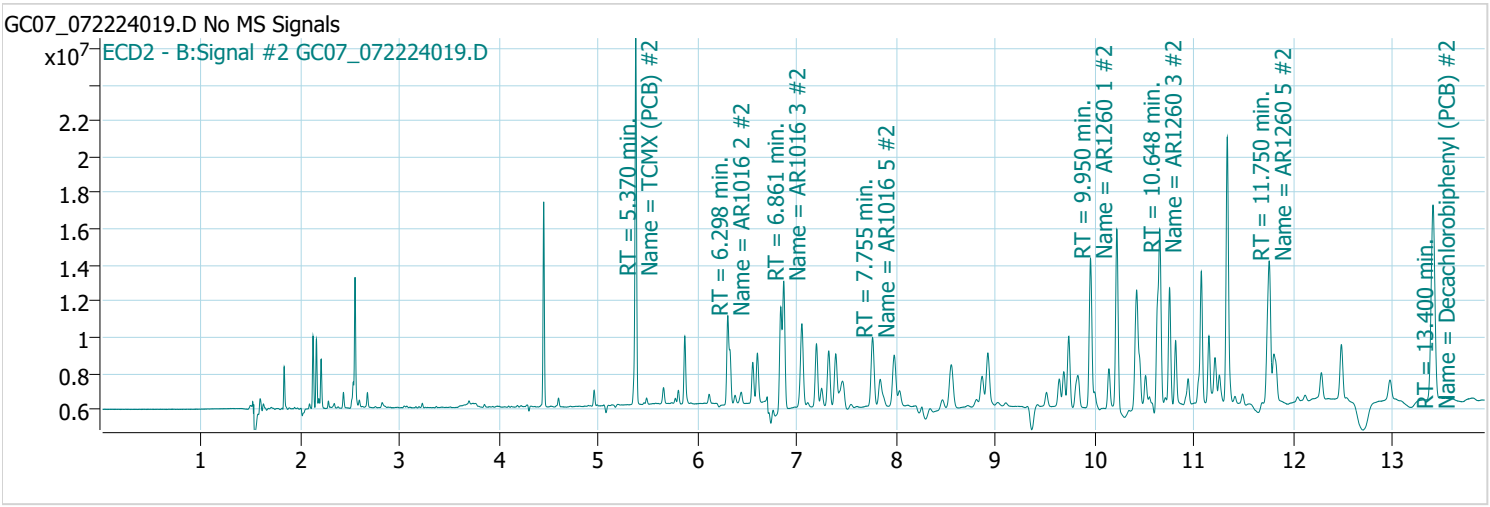
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.1759	13.40	0.00	30203797				



Quantitation Results Report (Not Reviewed)

Data File	GC07_072224019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 3:00:09 PM
Sample Name	QC1171122, 345600, 1	Instrument	SVOA-GC07
Vial	9	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



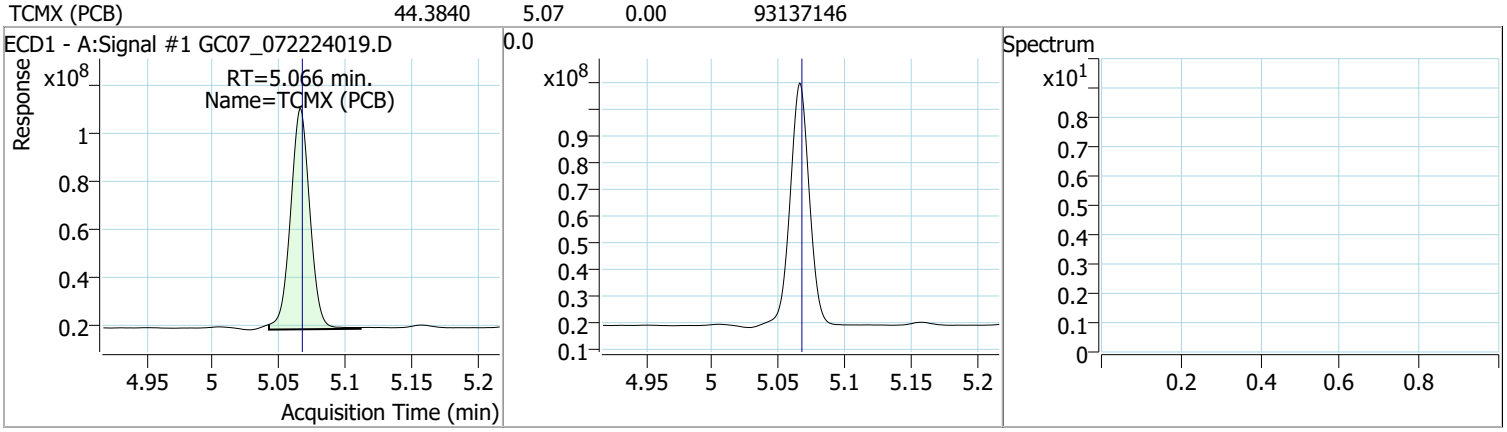


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	44795891.454	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10700703.492	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.066	0.0	93137145.935	44.3840	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.92%		*	
S TCMX (PCB) #2	5.370	0.0	23295521.129	45.3874	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.94%		*	
S Decachlorobiphenyl (PCB)	12.093	0.0	112315516.743	45.4757	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.38%		*	
S Decachlorobiphenyl (PCB) #2	13.400	0.0	28559082.725	48.8540	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.27%		*	
Target Compounds							QValue

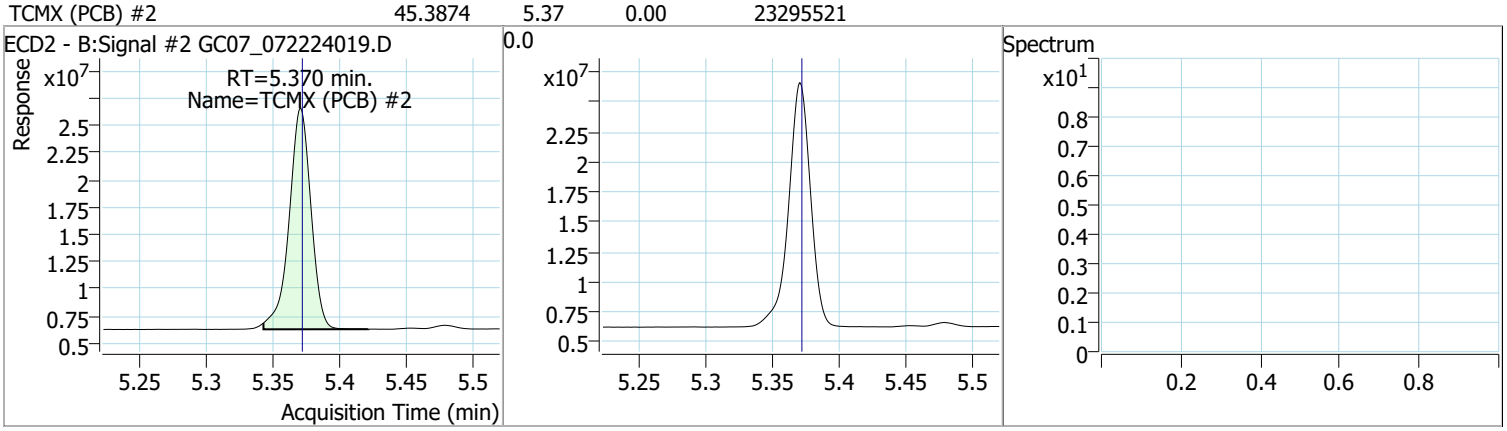
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.417	0.0	17005067.615	434.2916	ng/ml		100
T AR1016 2	5.758	0.0	39143474.894	481.2152	ng/ml		100
T AR1016 1 #2	5.864	0.0	4953844.277	438.4562	ng/ml		100
T AR1016 3	6.233	0.0	49330530.352	510.9856	ng/ml		100
T AR1016 2 #2	6.298	0.0	10587301.618	453.5496	ng/ml		100
T AR1016 4	6.376	0.0	38005960.370	558.3784	ng/ml	m	100
T AR1016 5	6.848	0.0	26091326.620	436.0952	ng/ml		100
T AR1016 3 #2	6.861	0.0	13380604.989	459.5984	ng/ml		100
T AR1016 4 #2	7.043	0.0	9569263.132	444.6306	ng/ml		100
T AR1016 5 #2	7.755	0.0	8348278.824	479.6066	ng/ml		100
T AR1260 1	8.801	0.0	60613772.519	505.1403	ng/ml	m	100
T AR1260 2	9.275	0.0	93793231.636	511.7893	ng/ml		100
T AR1260 3	9.698	0.0	106512779.353	540.1694	ng/ml		100
T AR1260 1 #2	9.950	0.0	15770143.781	509.4038	ng/ml		100
T AR1260 4	10.174	0.0	60212085.813	528.1813	ng/ml	m	100
T AR1260 2 #2	10.215	0.0	18817978.600	483.8578	ng/ml		100
T AR1260 3 #2	10.648	0.0	25242885.960	539.2204	ng/ml		100
T AR1260 5	10.862	0.0	47081808.236	344.8980	ng/ml		100
T AR1260 4 #2	11.066	0.0	12993167.293	438.9367	ng/ml		100
T AR1260 5 #2	11.750	0.0	20846499.717	474.3698	ng/ml		100

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

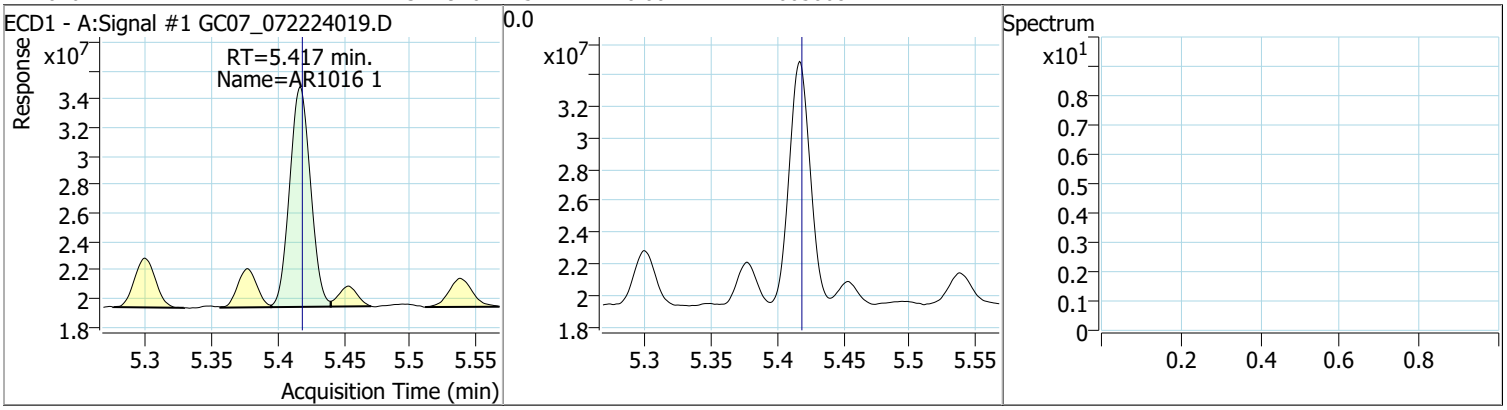
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.3840	5.07	0.00	93137146				



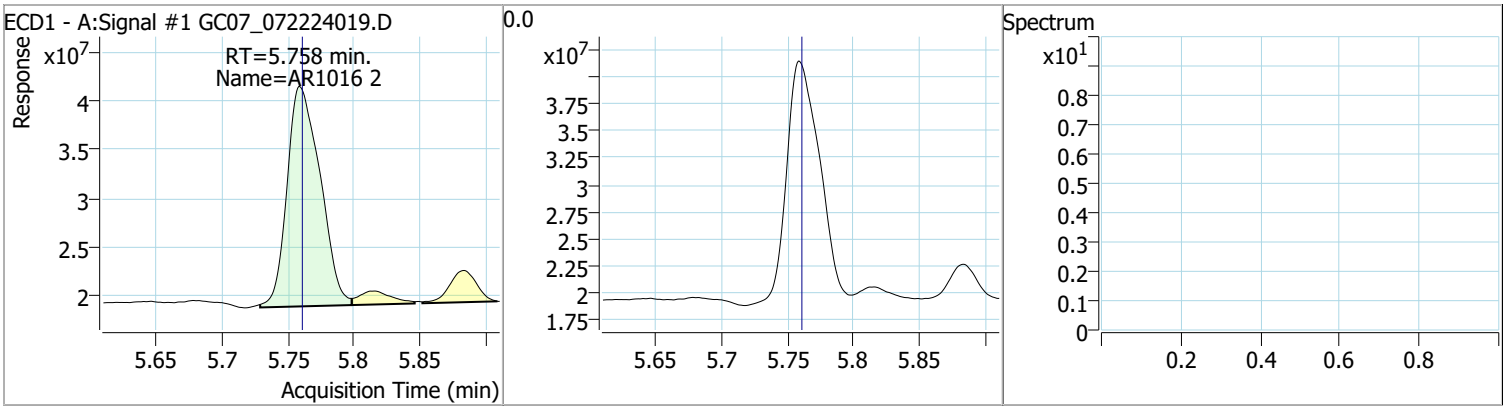
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.3874	5.37	0.00	23295521				



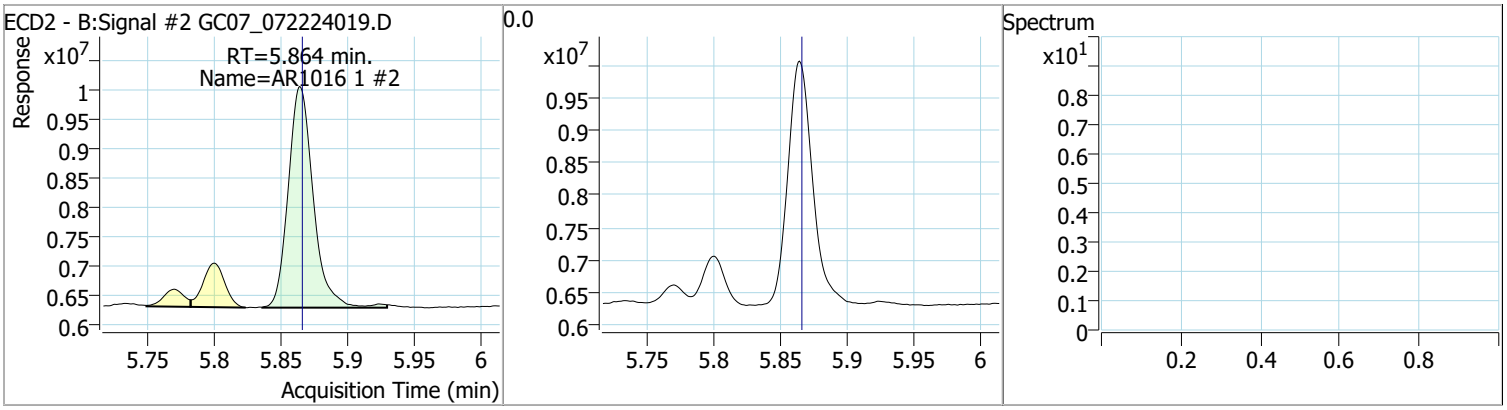
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	434.2916	5.42	0.00	17005068				



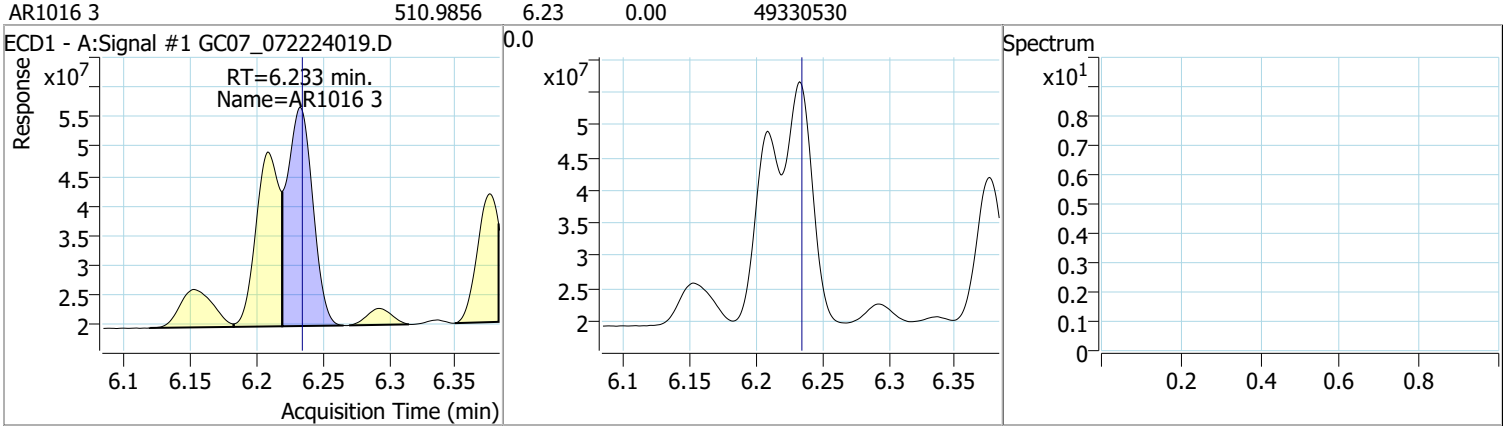
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	481.2152	5.76	0.00	39143475				



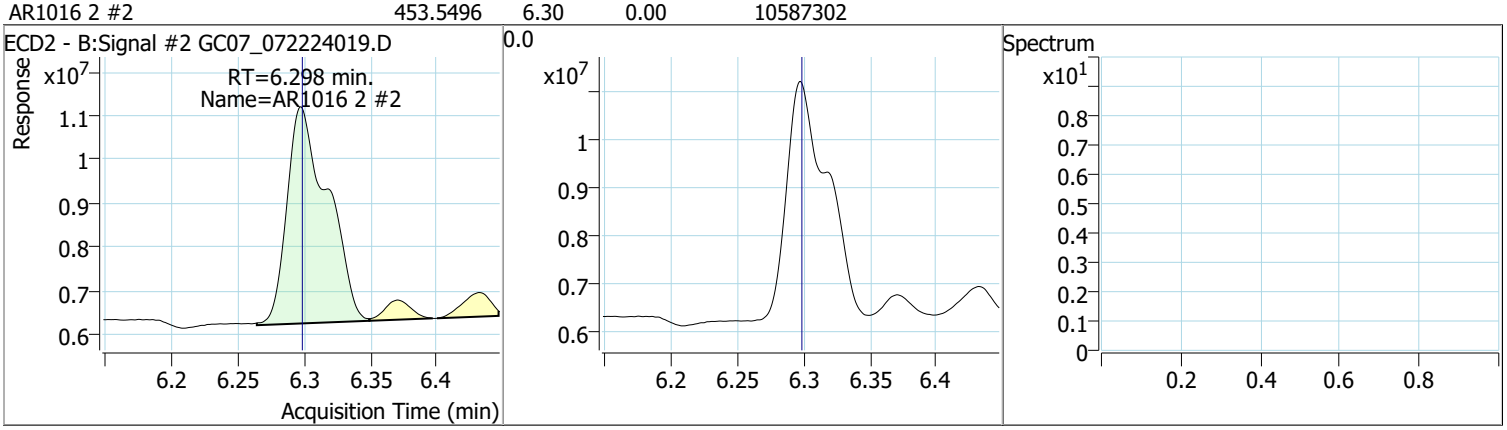
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	438.4562	5.86	0.00	4953844				



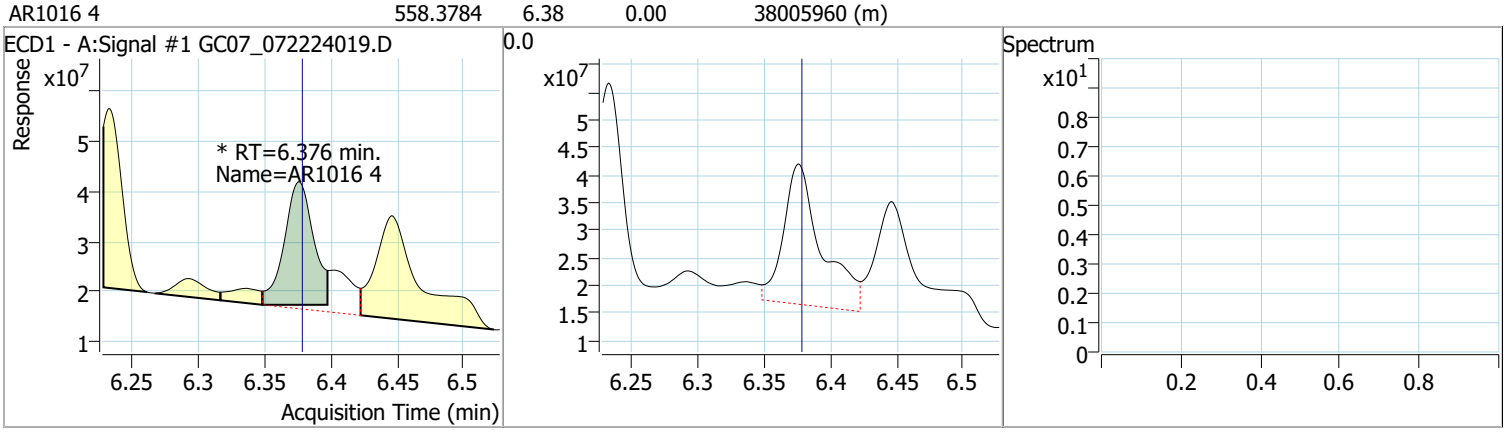
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	510.9856	6.23	0.00	49330530				



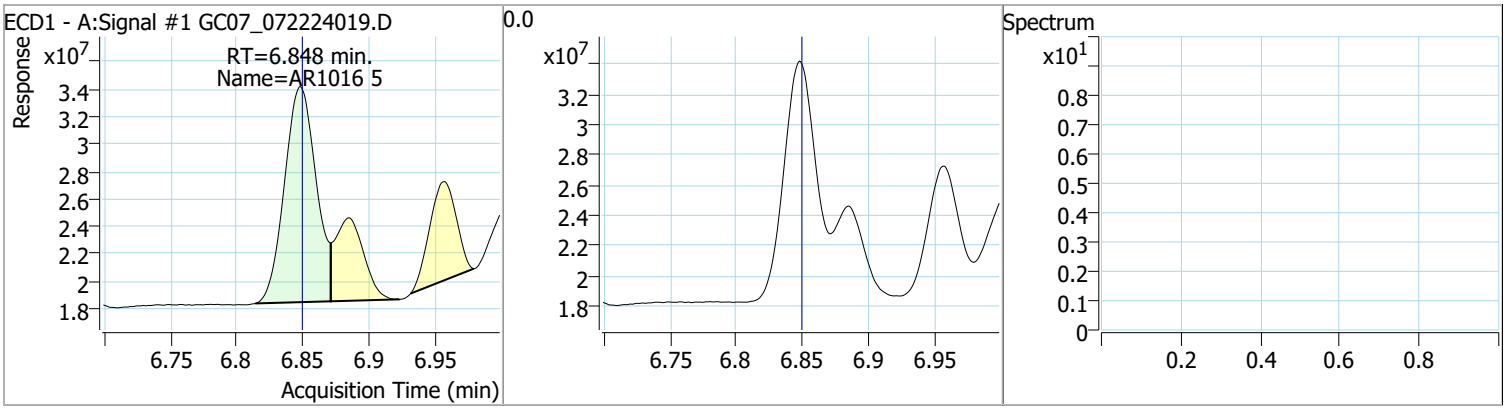
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	453.5496	6.30	0.00	10587302				



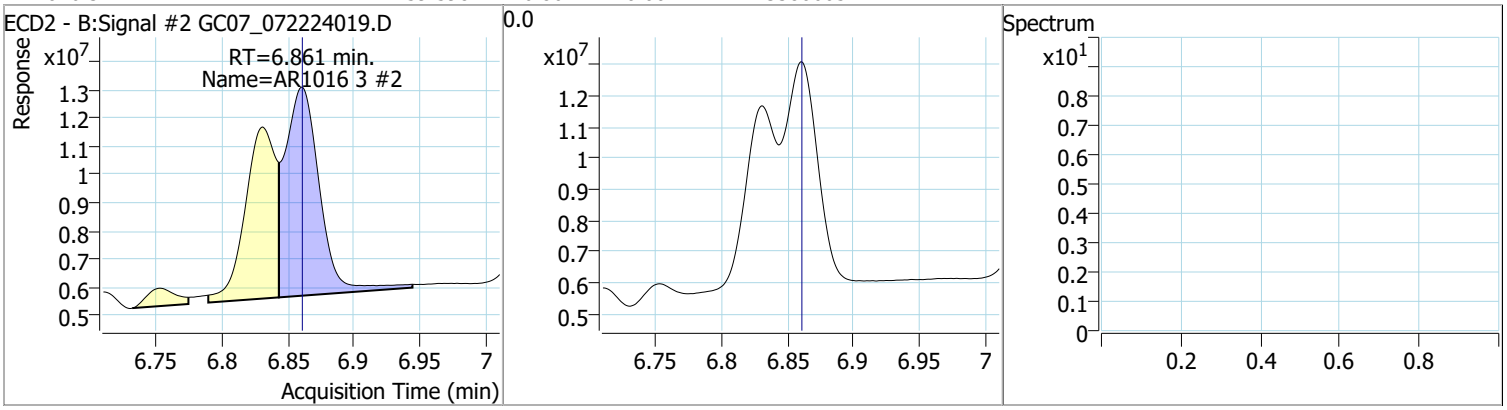
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	558.3784	6.38	0.00	38005960 (m)				



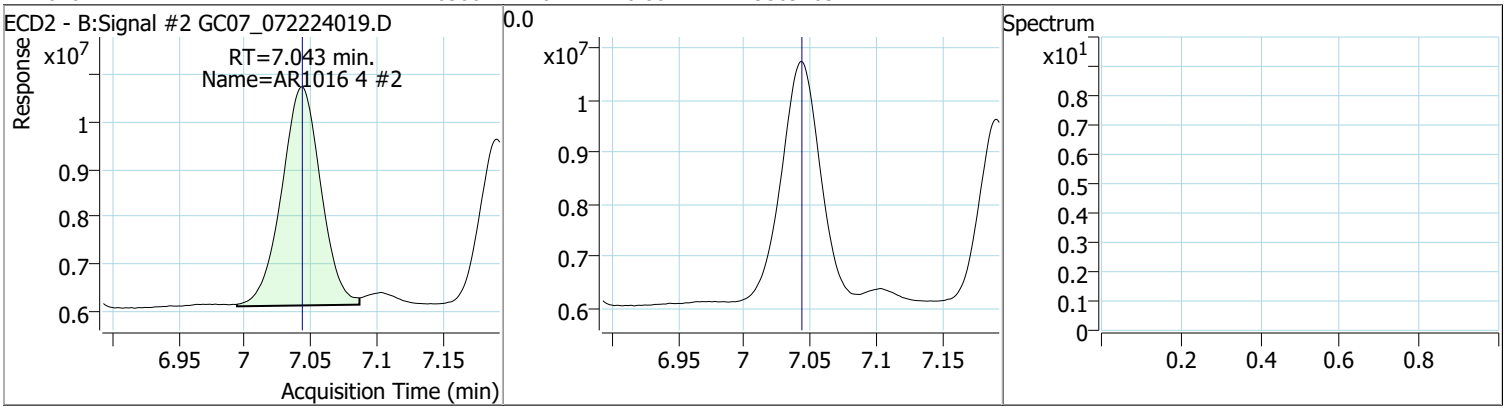
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	436.0952	6.85	0.00	26091327				



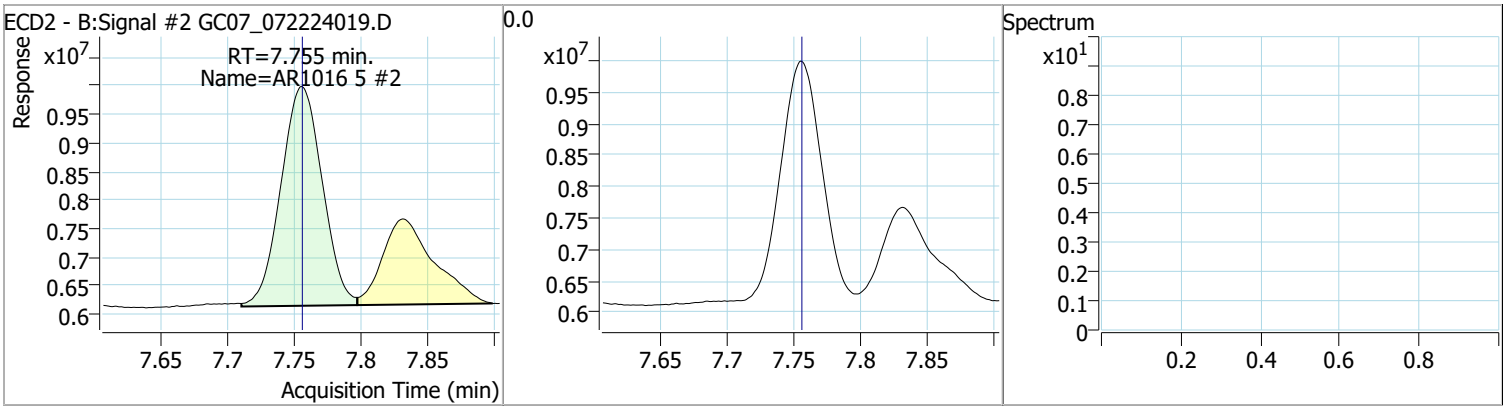
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	459.5984	6.86	0.00	13380605				



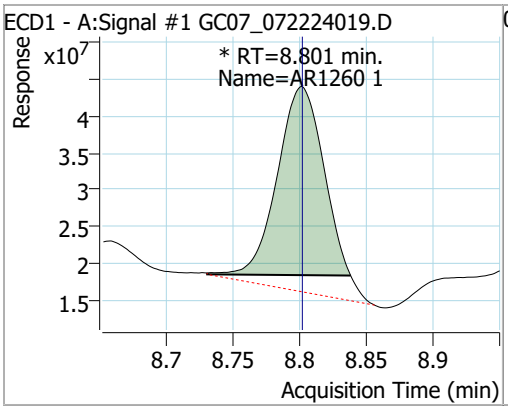
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	444.6306	7.04	0.00	9569263				

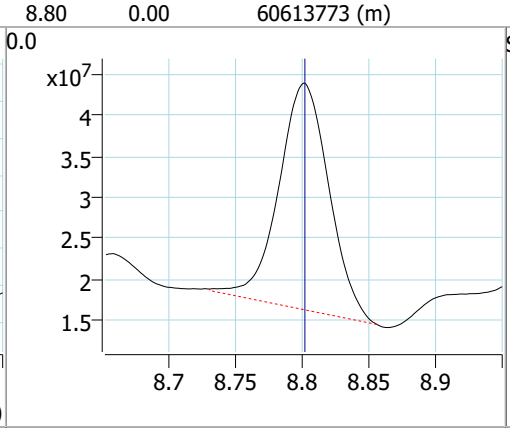


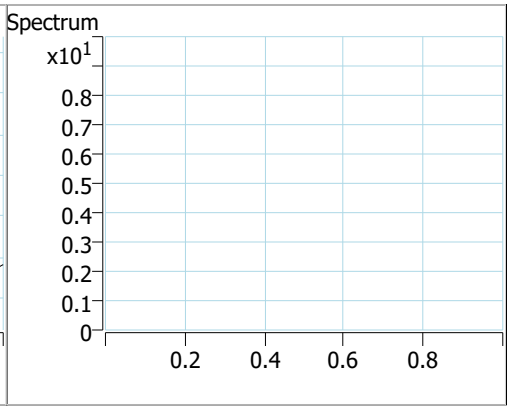
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	479.6066	7.76	0.00	8348279				



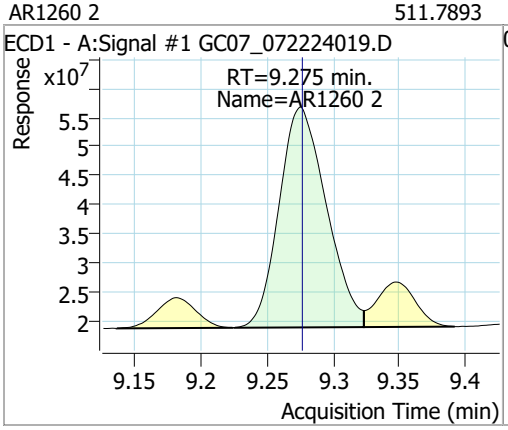
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	505.1403	8.80	0.00	60613773 (m)				

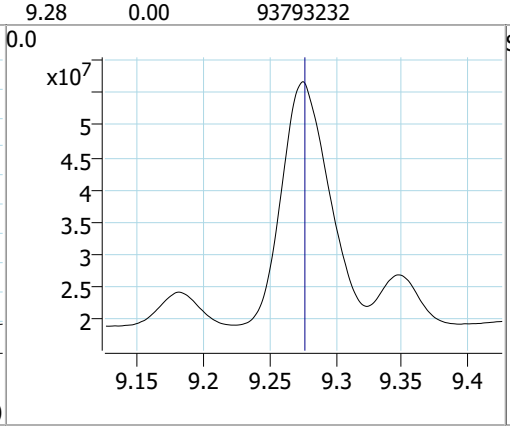


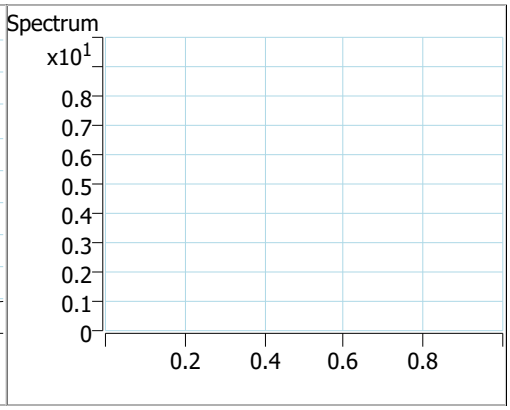




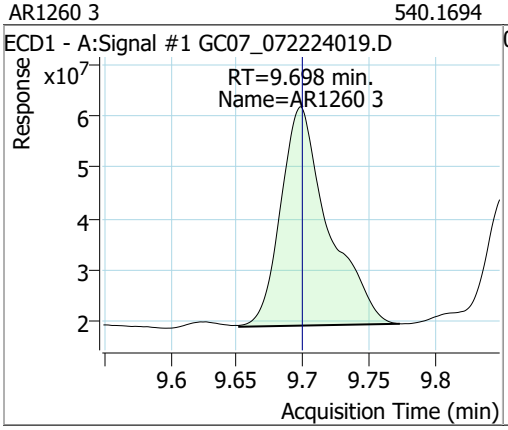
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	511.7893	9.28	0.00	93793232				

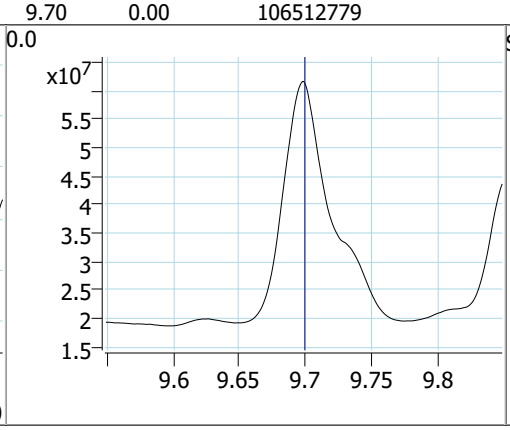


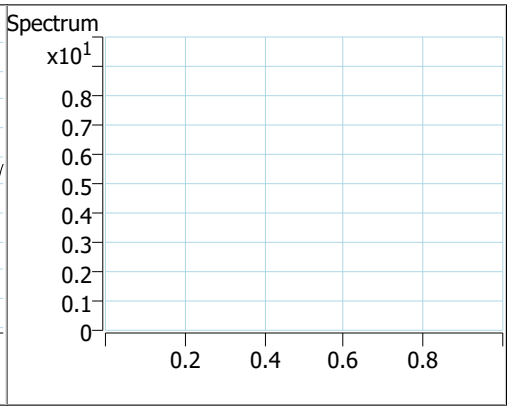




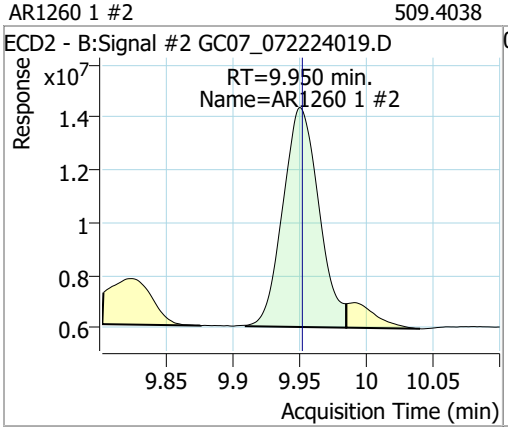
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	540.1694	9.70	0.00	106512779				

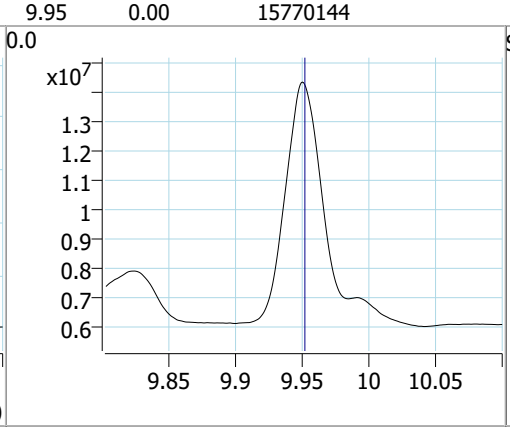


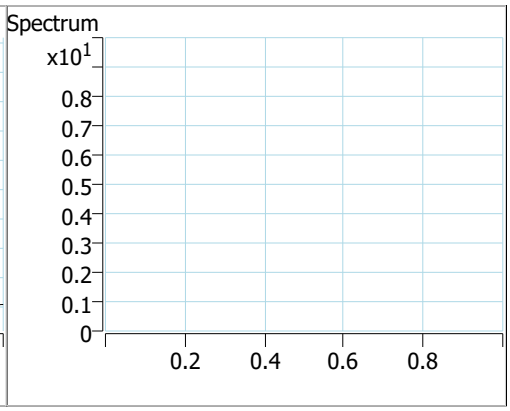




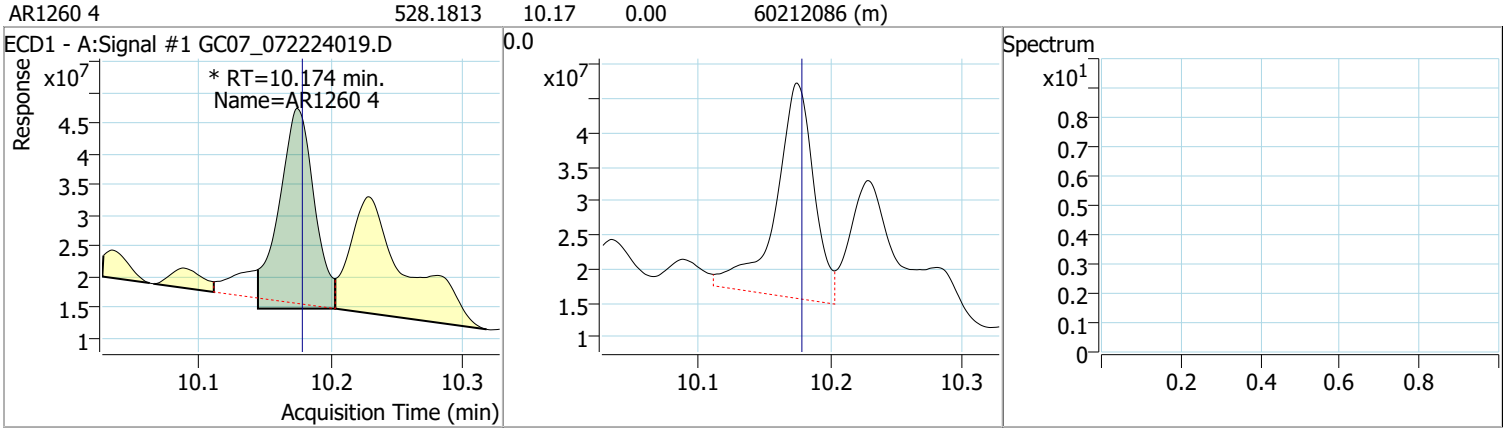
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	509.4038	9.95	0.00	15770144				



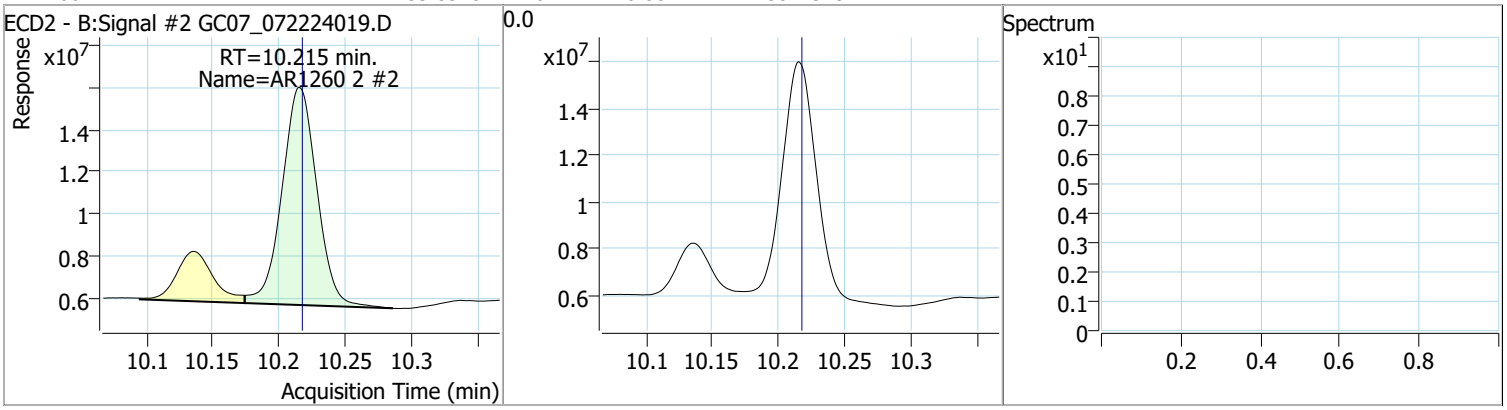




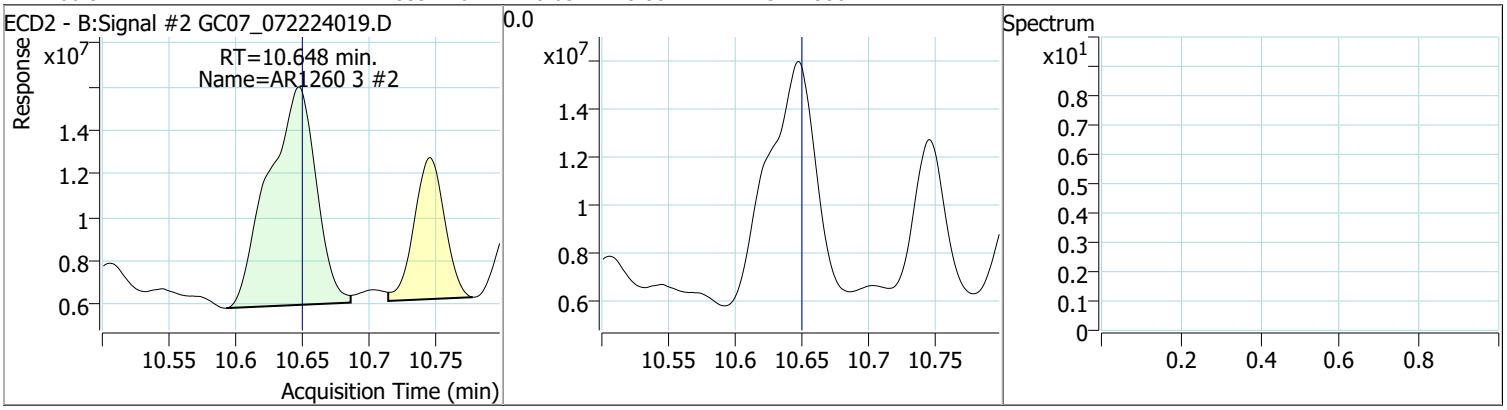
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	528.1813	10.17	0.00	60212086 (m)				



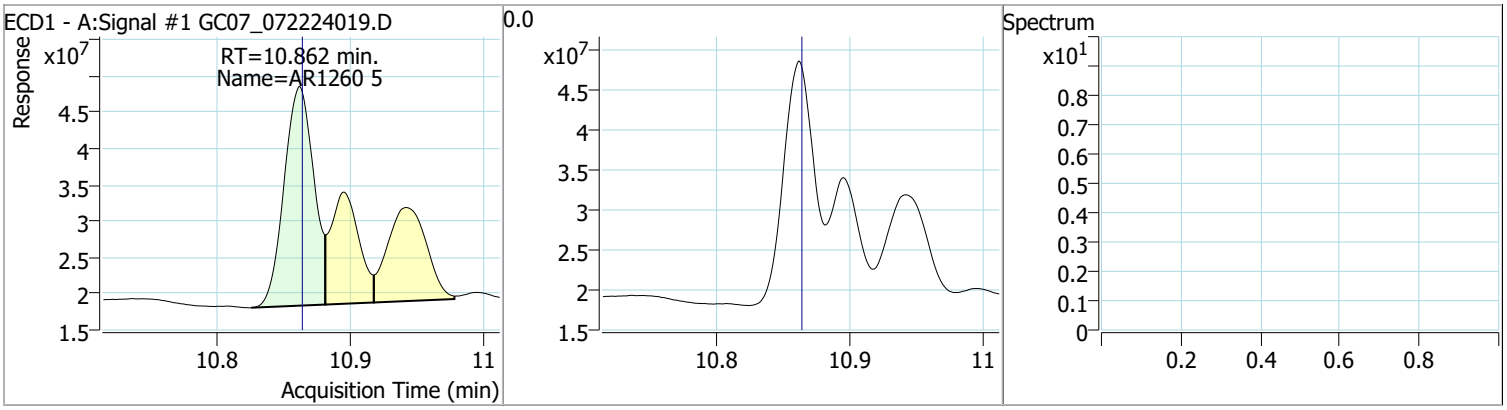
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	483.8578	10.22	0.00	18817979				



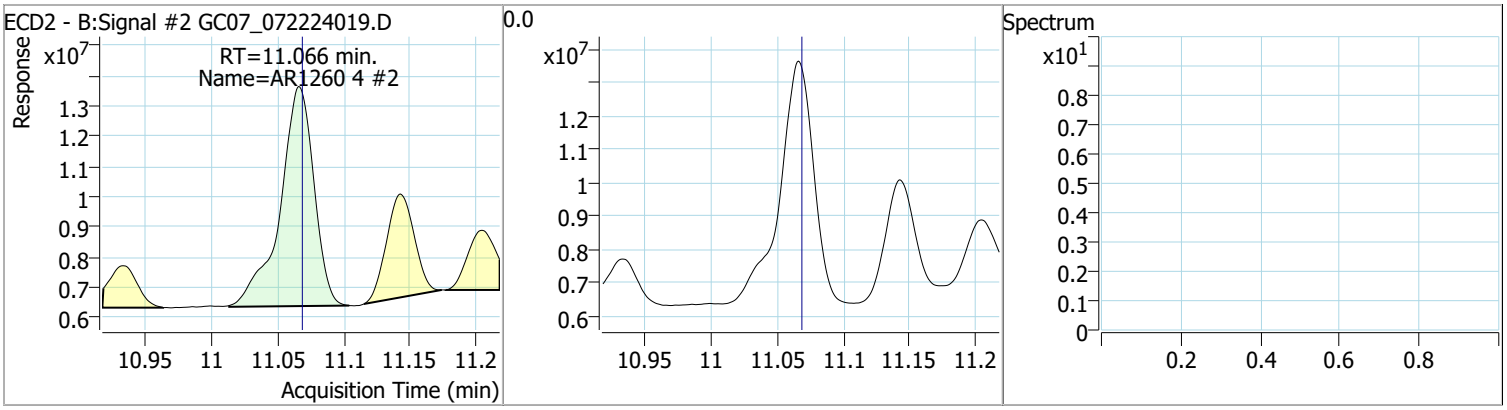
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	539.2204	10.65	0.00	25242886				



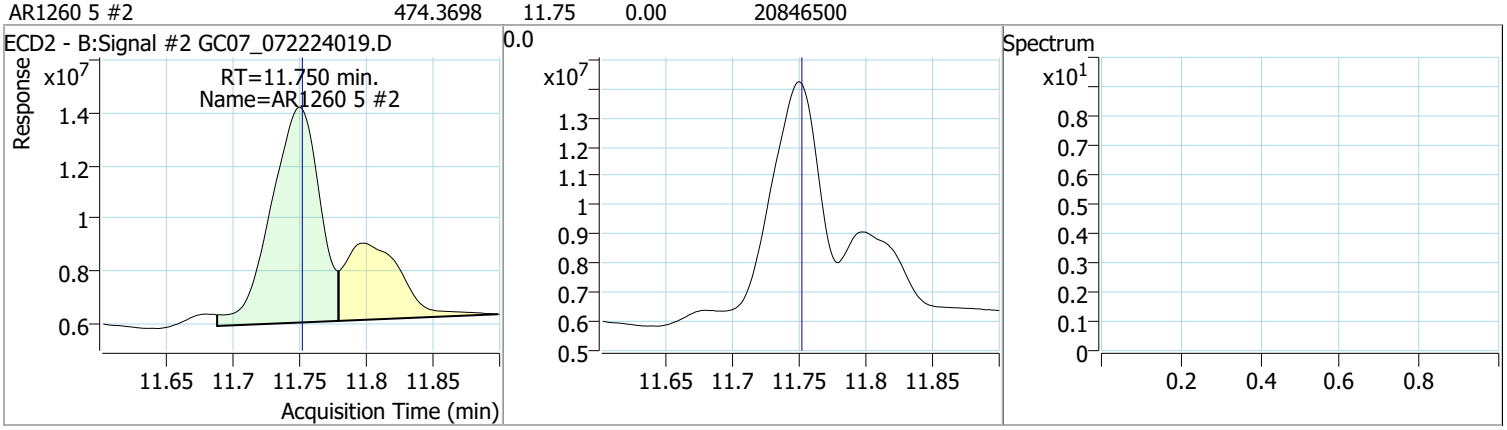
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	344.8980	10.86	0.00	47081808				



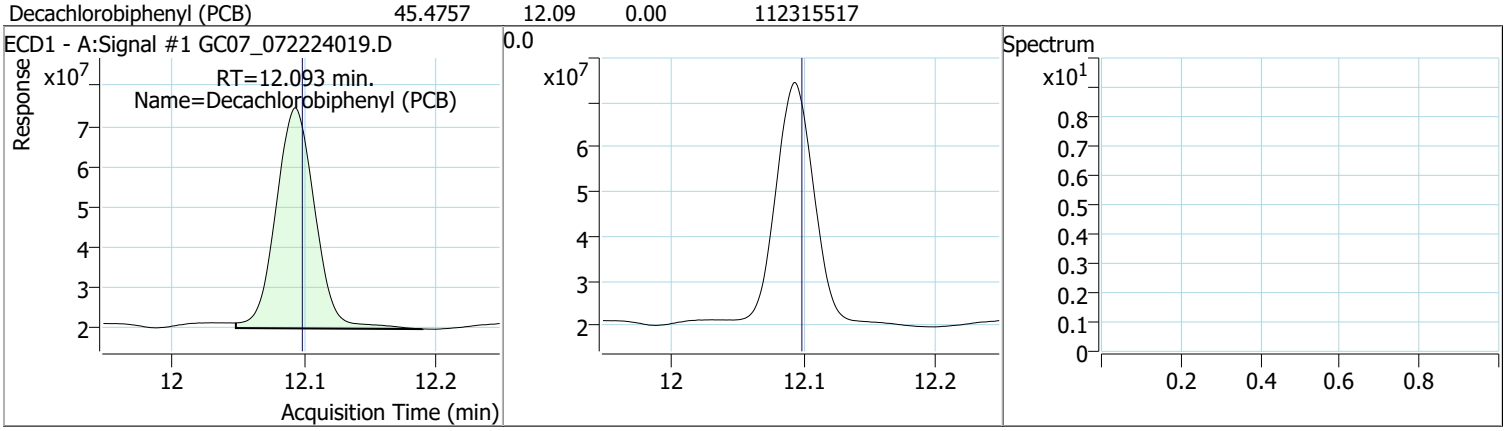
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	438.9367	11.07	0.00	12993167				



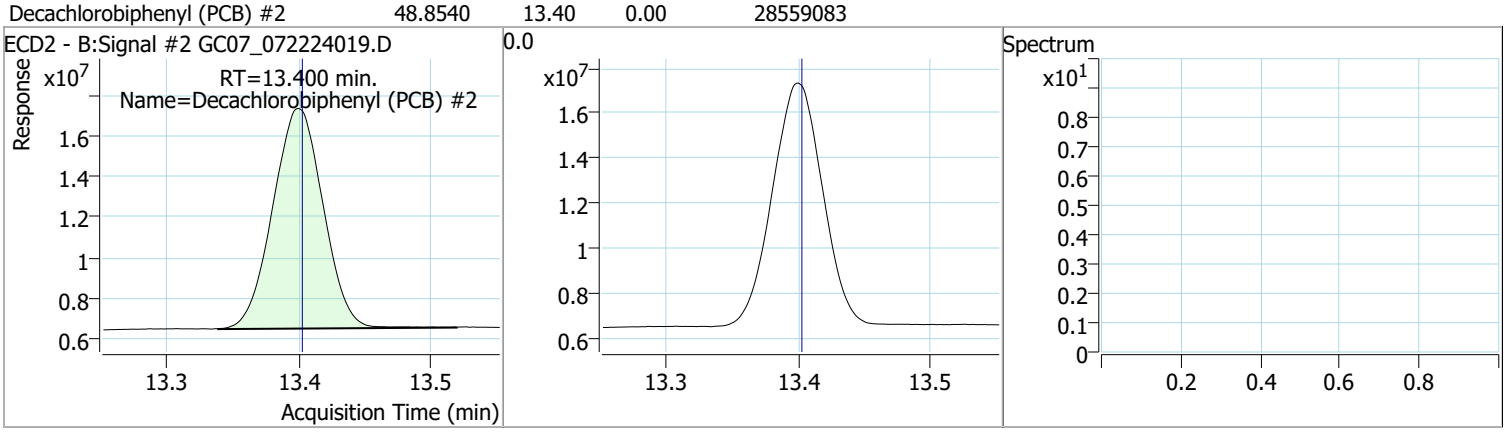
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	474.3698	11.75	0.00	20846500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.4757	12.09	0.00	112315517				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.8540	13.40	0.00	28559083				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 512356 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
QUAD: Quadratic regression

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	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

ENTHALPY INITIAL CALIBRATION FOR 512356 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

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	16	20.000	**36**	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	**-21**	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	**38**	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	**22**	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	**24**	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	**21**	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	**-21**
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	**-21**		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

ENTHALPY INITIAL CALIBRATION FOR 512356 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

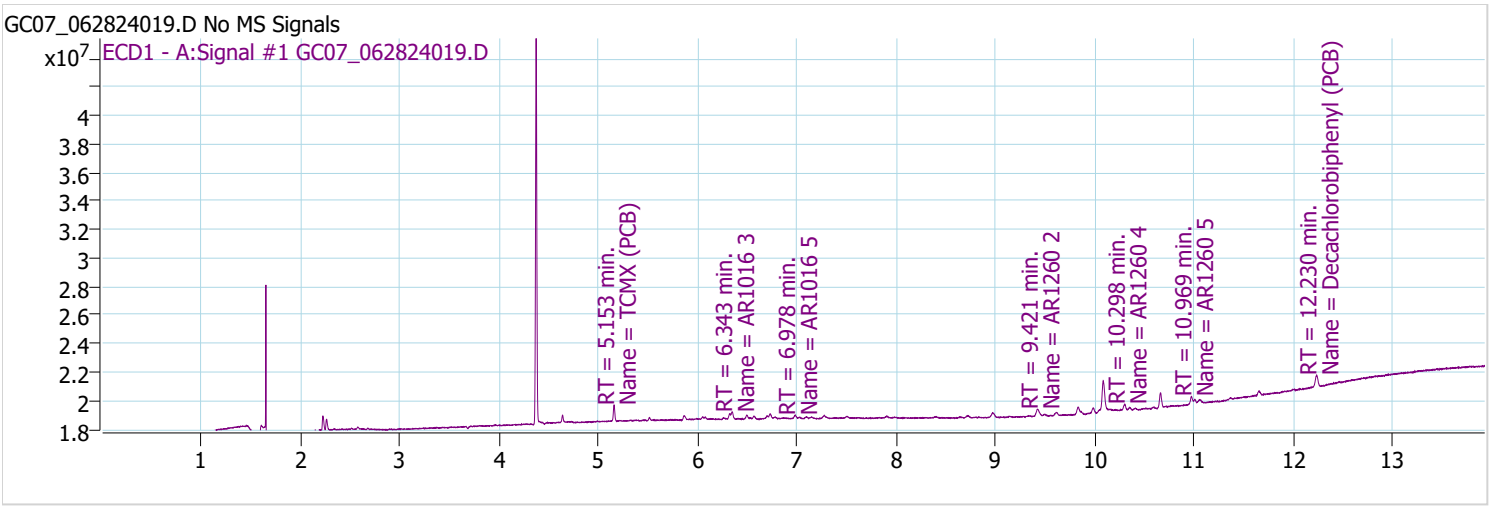
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

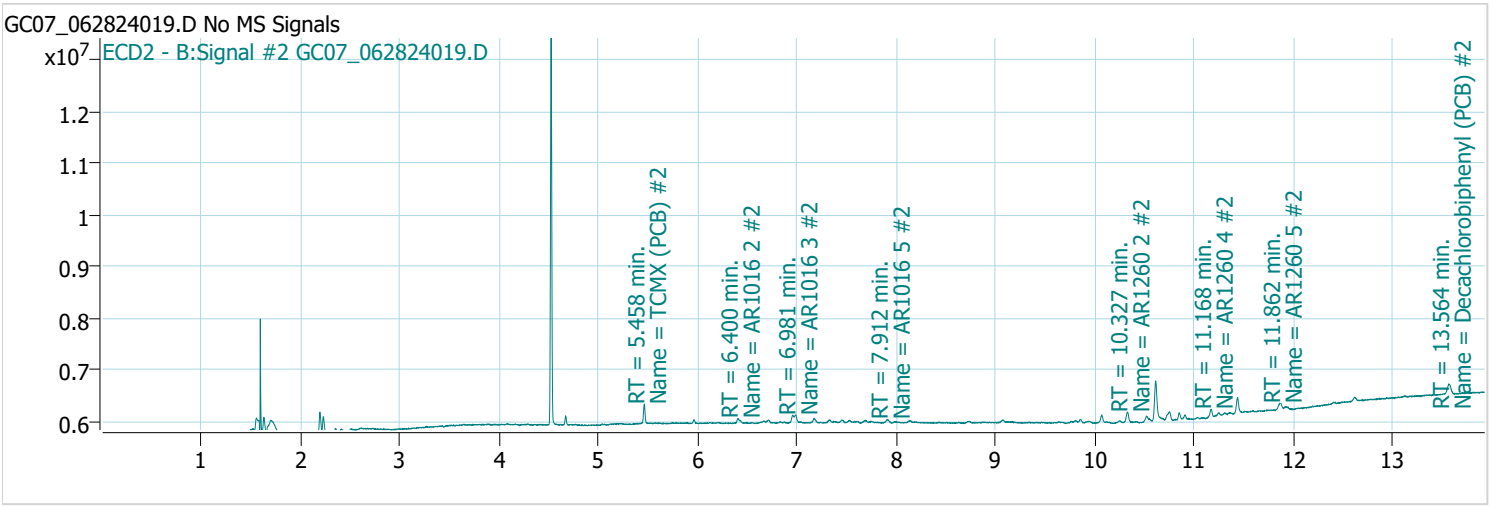
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Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_062824019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 12:46:26 PM
Sample Name	ICAL, S20882	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



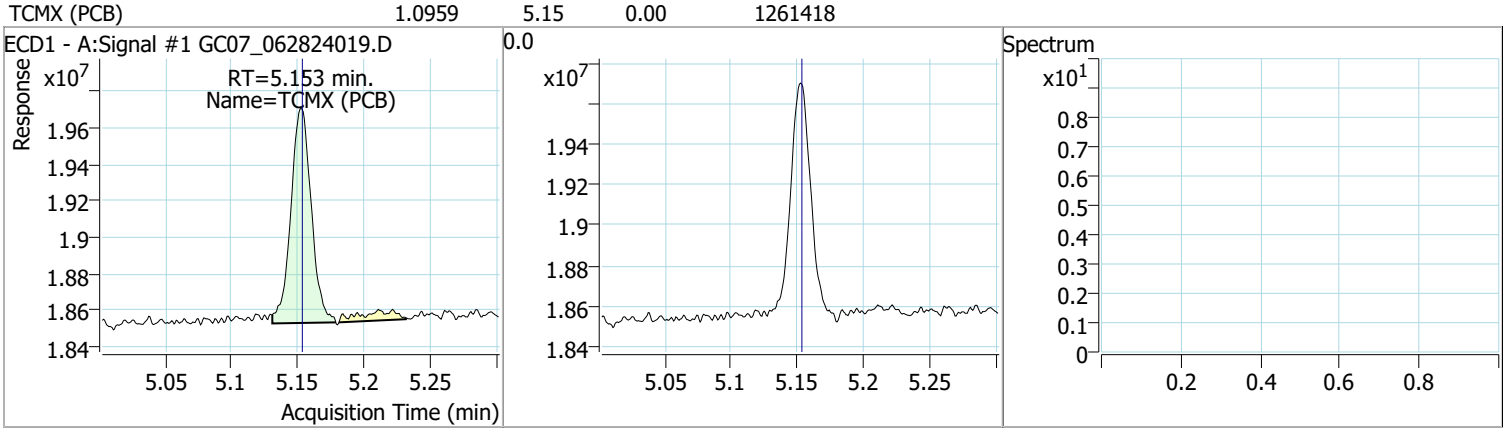


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	24571557.163	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	6870927.884	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	1261418.443	1.0959	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.48%		*	
S TCMX (PCB) #2	5.458	0.0	479922.074	1.4562	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.28%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	1592723.131	1.1757	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.88%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	529439.591	1.4105	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.05%		*	
Target Compounds							QValue
T AR1016 1	5.511	0.0	250166.382	11.6476	ng/ml		100

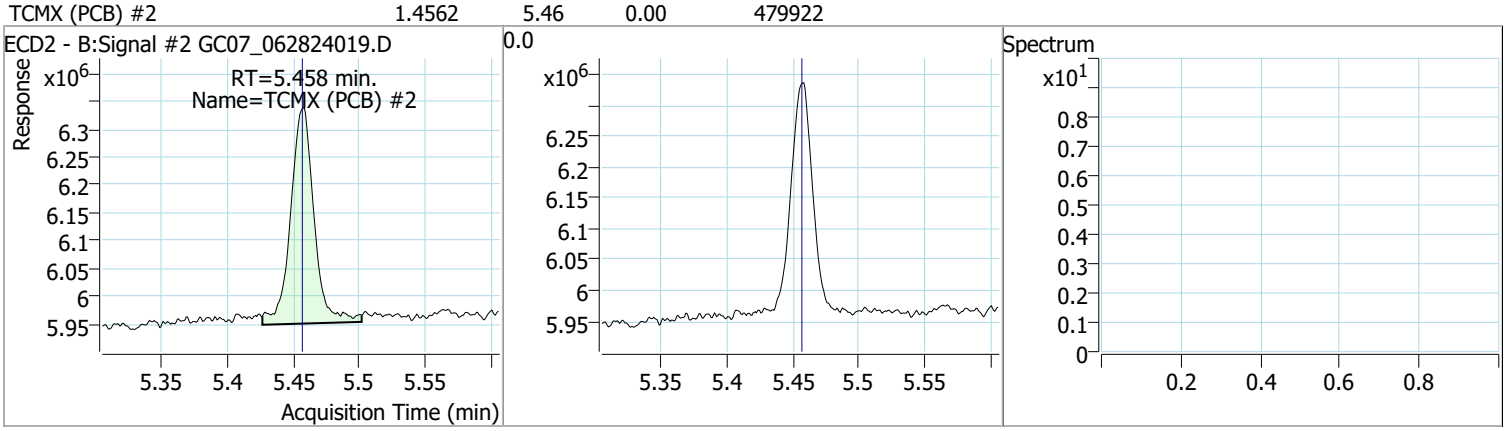
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.860	0.0	567711.062	12.7237	ng/ml	100
T AR1016 1 #2	5.955	0.0	98252.376	13.5433	ng/ml	100
T AR1016 3	6.343	0.0	823683.187	14.7144	ng/ml	100
T AR1016 2 #2	6.400	0.0	234963.615	15.6761	ng/ml	100
T AR1016 4	6.490	0.0	523436.173	14.0199	ng/ml	100
T AR1016 5	6.978	0.0	382913.674	11.6679	ng/ml	100
T AR1016 3 #2	6.981	0.0	274478.452	14.6828	ng/ml	100
T AR1016 4 #2	7.171	0.0	169636.591	12.2754	ng/ml	100
T AR1016 5 #2	7.912	0.0	145456.994	13.0143	ng/ml	100
T AR1260 1	8.965	0.0	830630.752	12.6199	ng/ml	100
T AR1260 2	9.421	0.0	1329214.967	13.2227	ng/ml	100
T AR1260 3	9.828	0.0	1281172.483	11.8452	ng/ml	100
T AR1260 1 #2	10.065	0.0	300993.079	15.1419	ng/ml	100
T AR1260 4	10.298	0.0	688961.990	11.0179	ng/ml	100
T AR1260 2 #2	10.327	0.0	408888.473	16.3737	ng/ml	100
T AR1260 3 #2	10.747	0.0	385734.045	12.8325	ng/ml	100
T AR1260 5	10.969	0.0	908059.589	12.1271	ng/ml	100
T AR1260 4 #2	11.168	0.0	258781.502	13.6150	ng/ml	100
T AR1260 5 #2	11.862	0.0	362498.558	12.8466	ng/ml	100

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

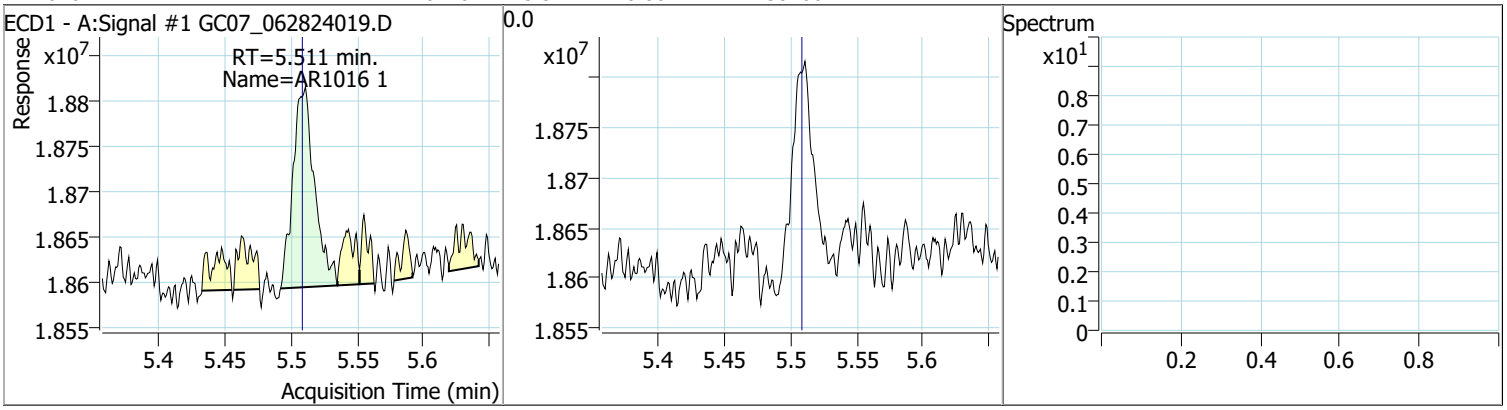
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.0959	5.15	0.00	1261418				



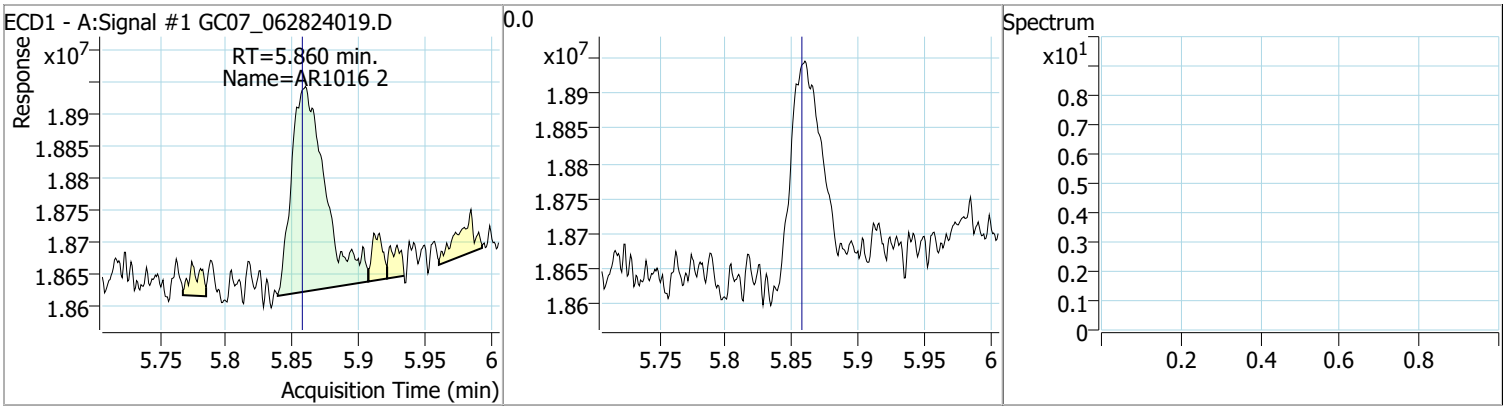
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.4562	5.46	0.00	479922				



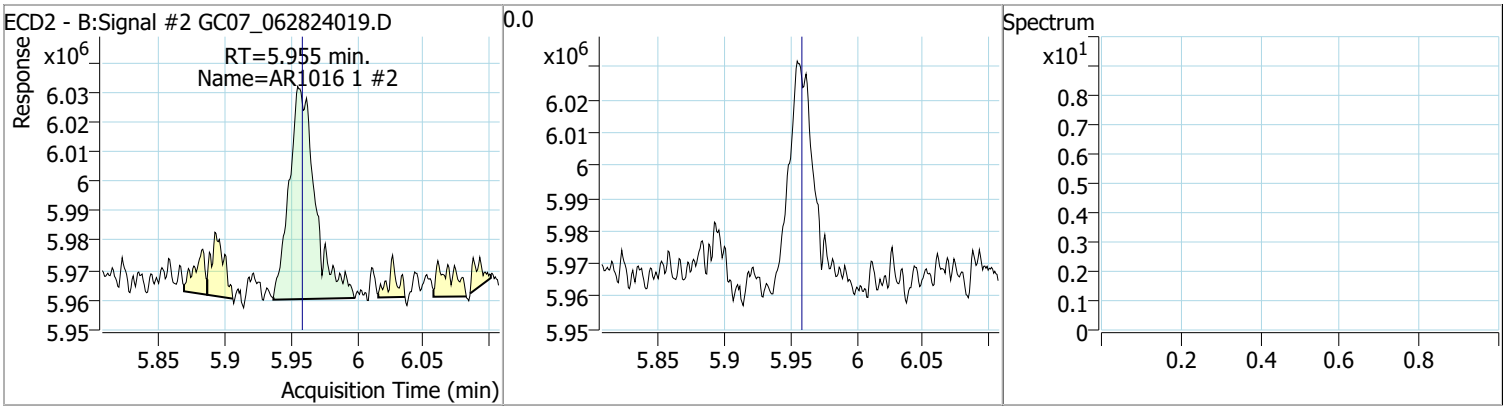
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	11.6476	5.51	0.00	250166				



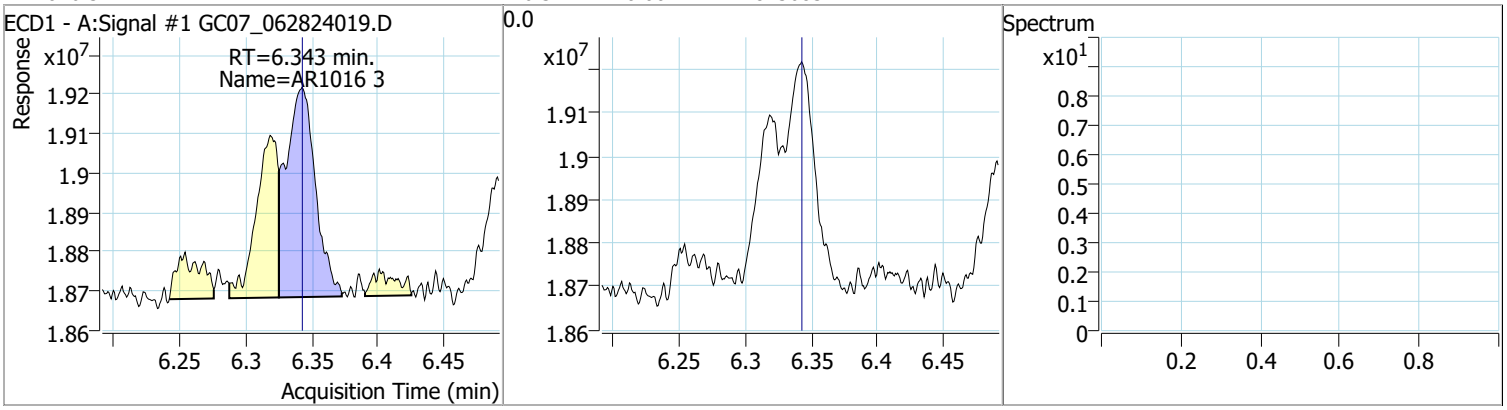
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AR1016 2	12.7237	5.86	0.00	567711				



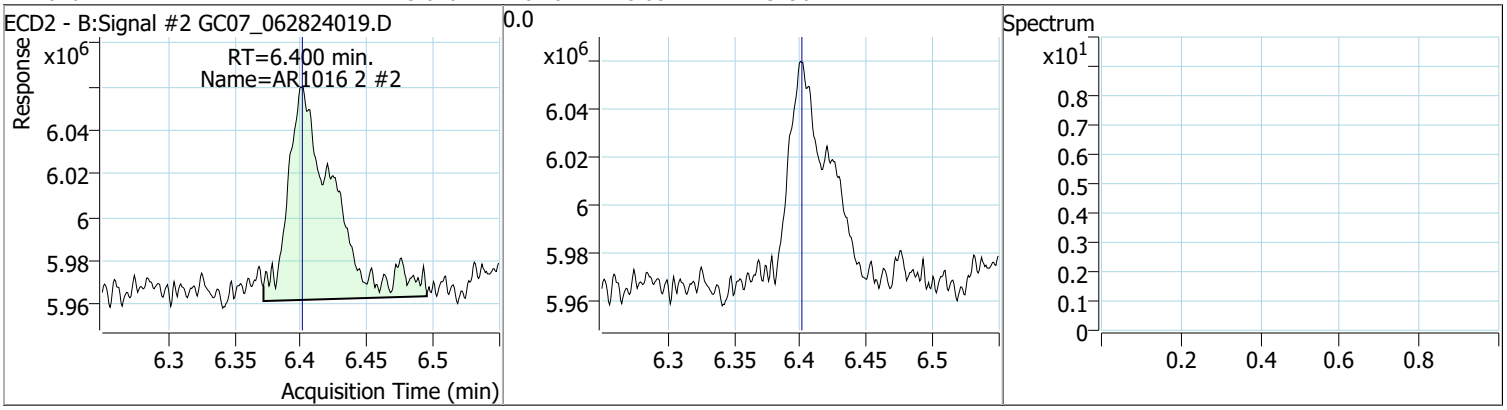
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AR1016 1 #2	13.5433	5.96	0.00	98252				



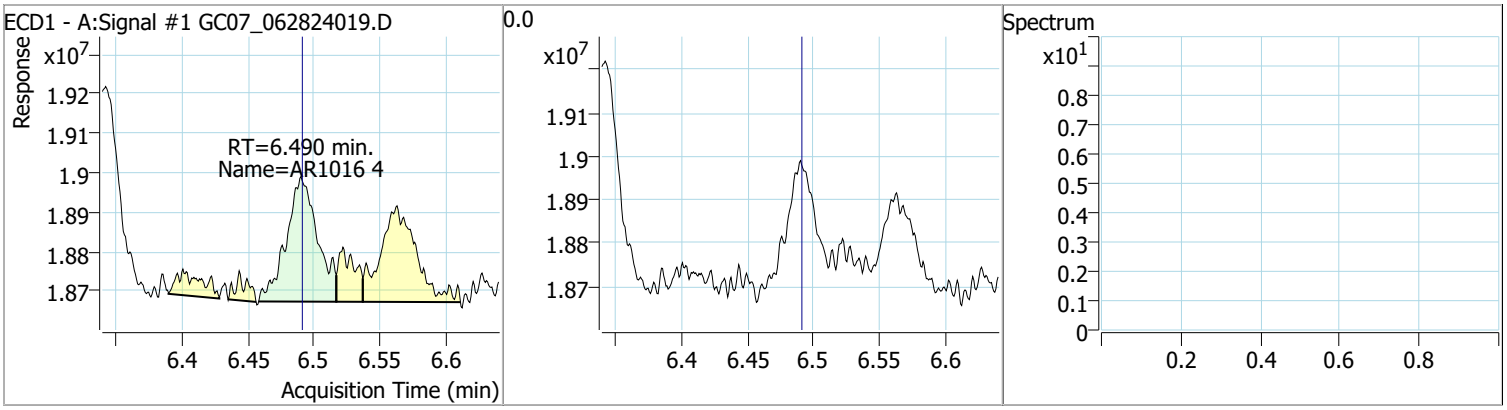
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	14.7144	6.34	0.00	823683				



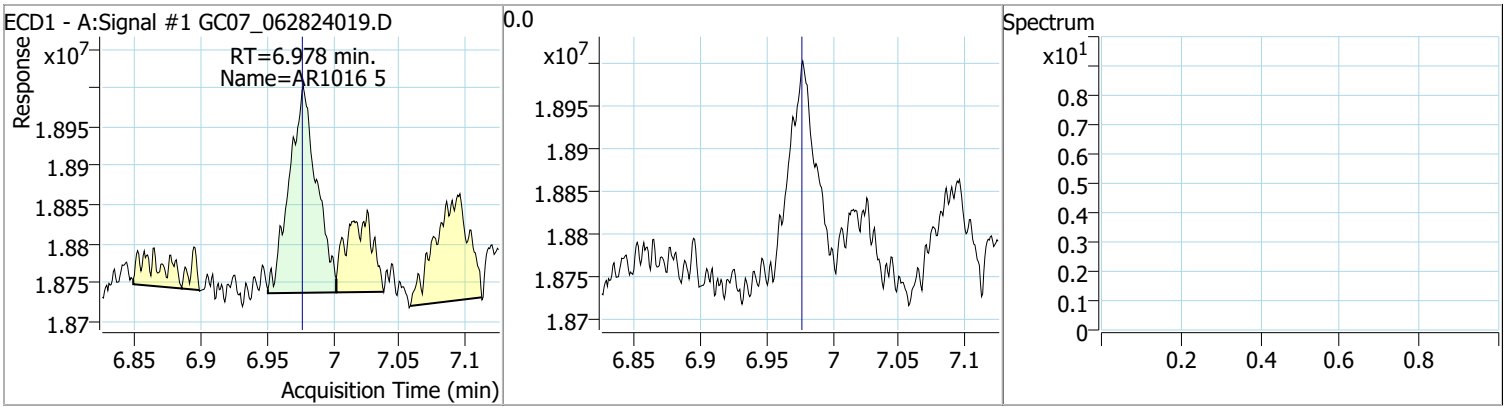
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.6761	6.40	0.00	234964				



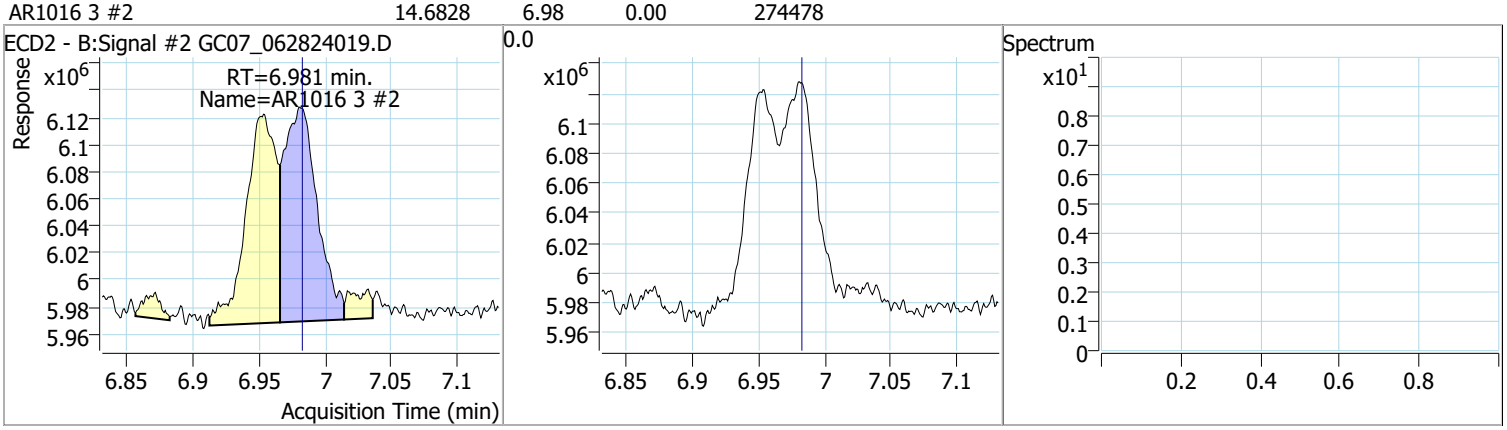
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.0199	6.49	0.00	523436				



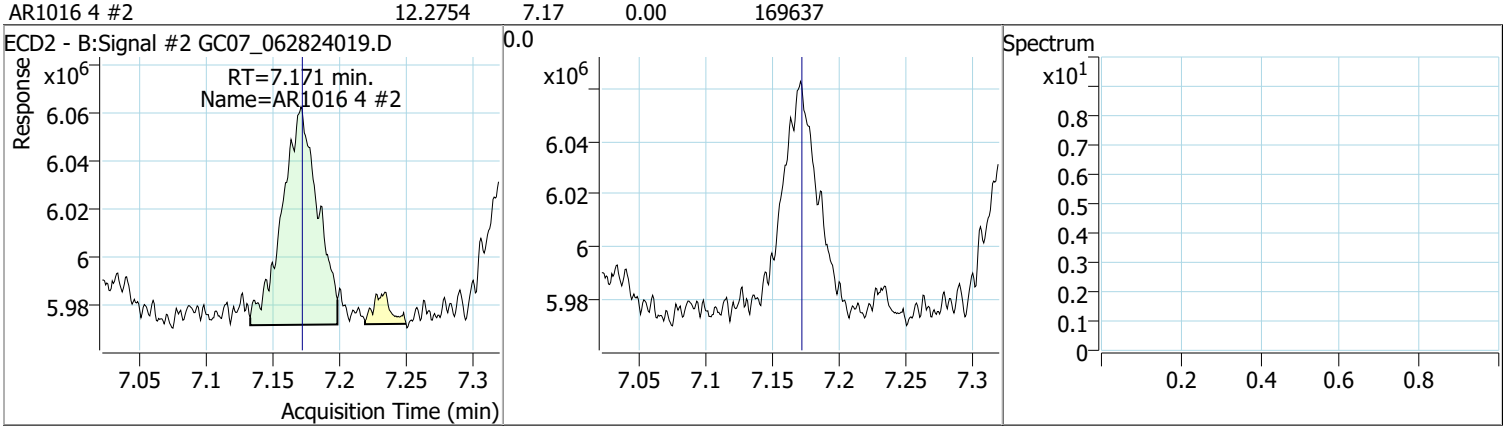
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.6679	6.98	0.00	382914				



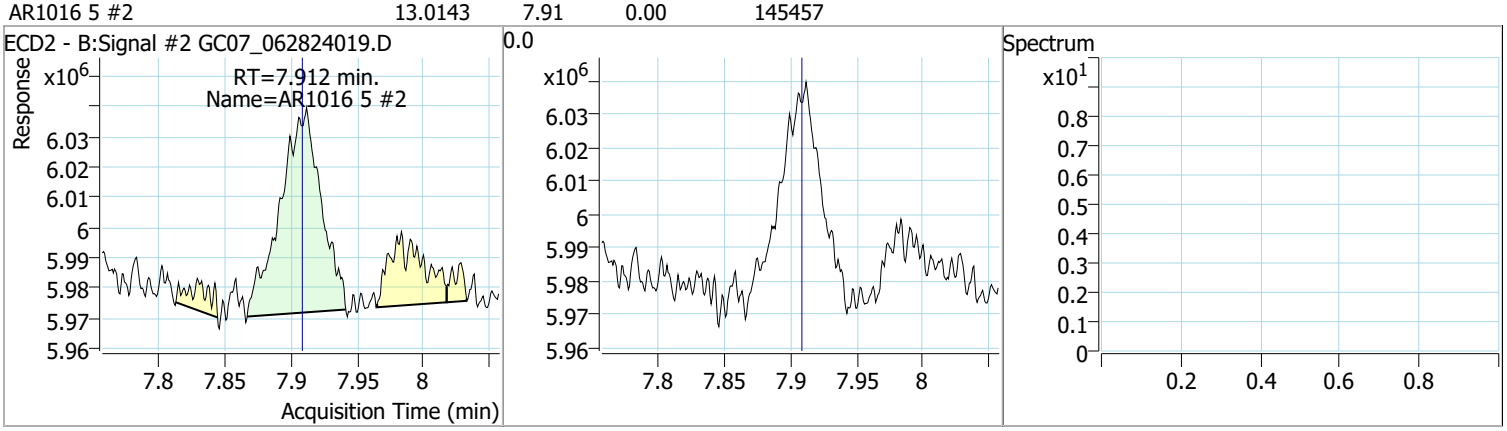
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AR1016 3 #2	14.6828	6.98	0.00	274478				



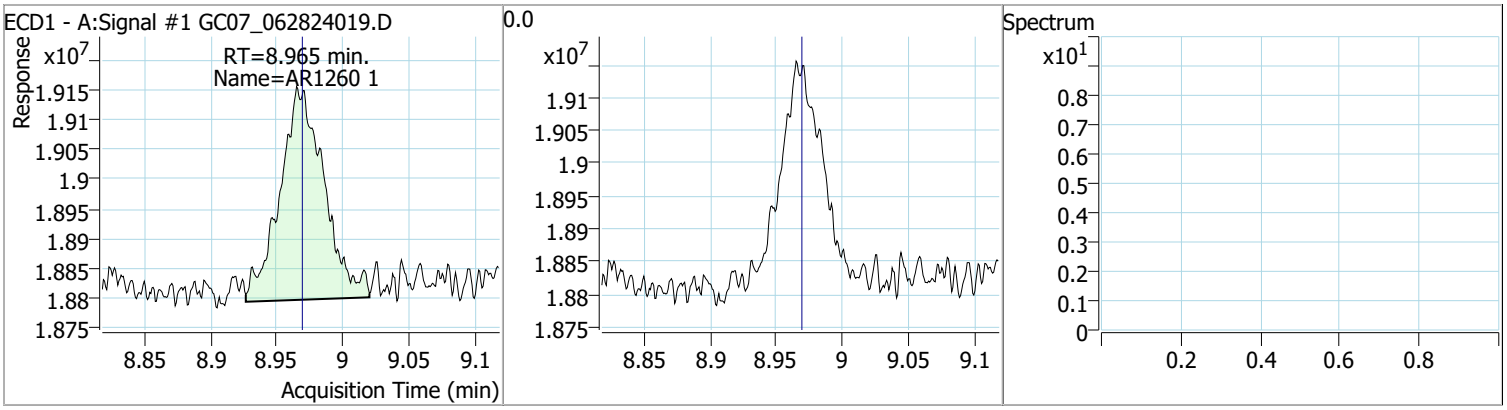
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AR1016 4 #2	12.2754	7.17	0.00	169637				



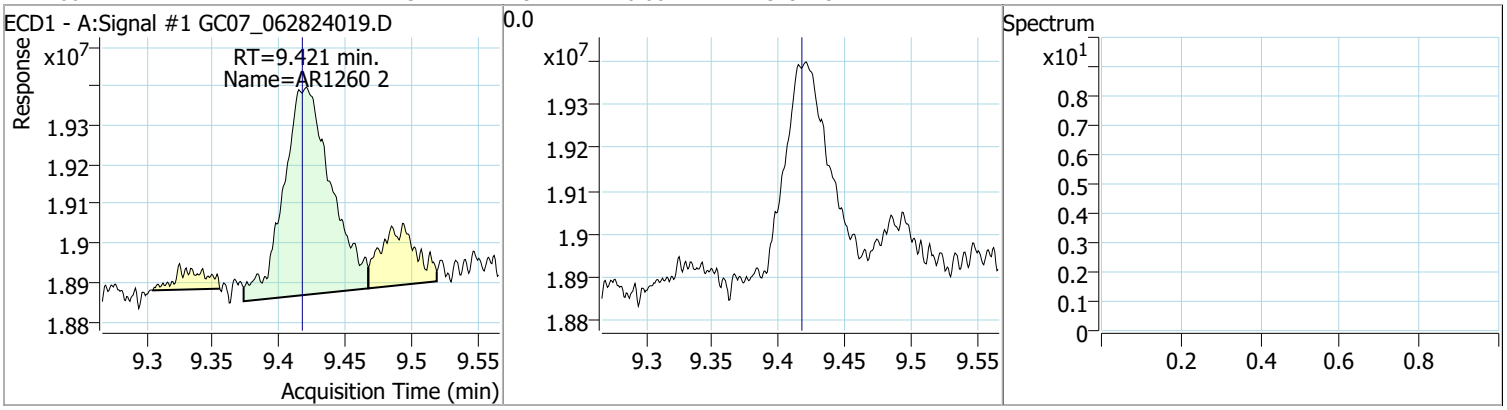
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AR1016 5 #2	13.0143	7.91	0.00	145457				



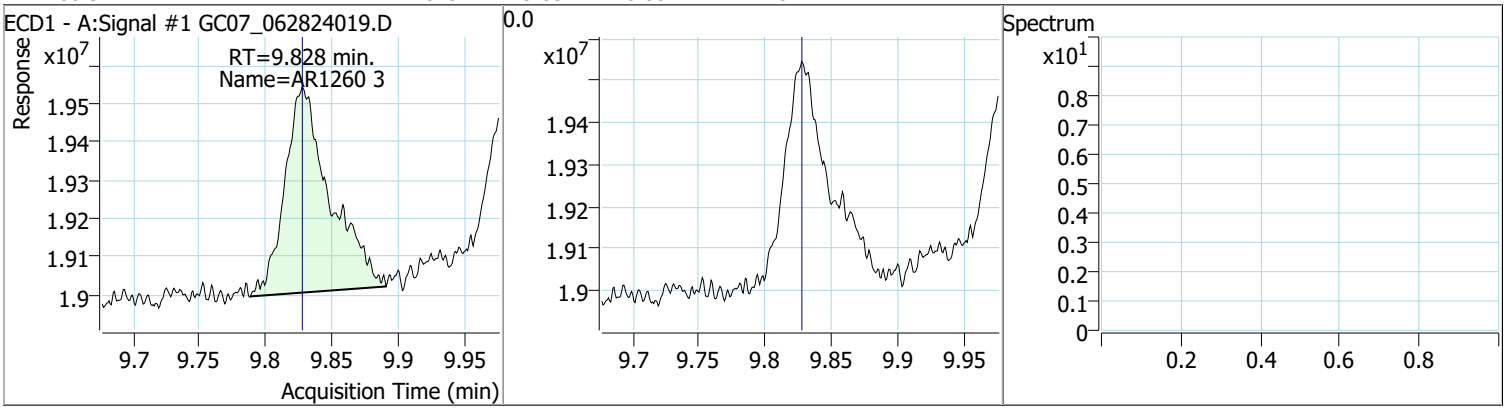
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	12.6199	8.97	0.00	830631				



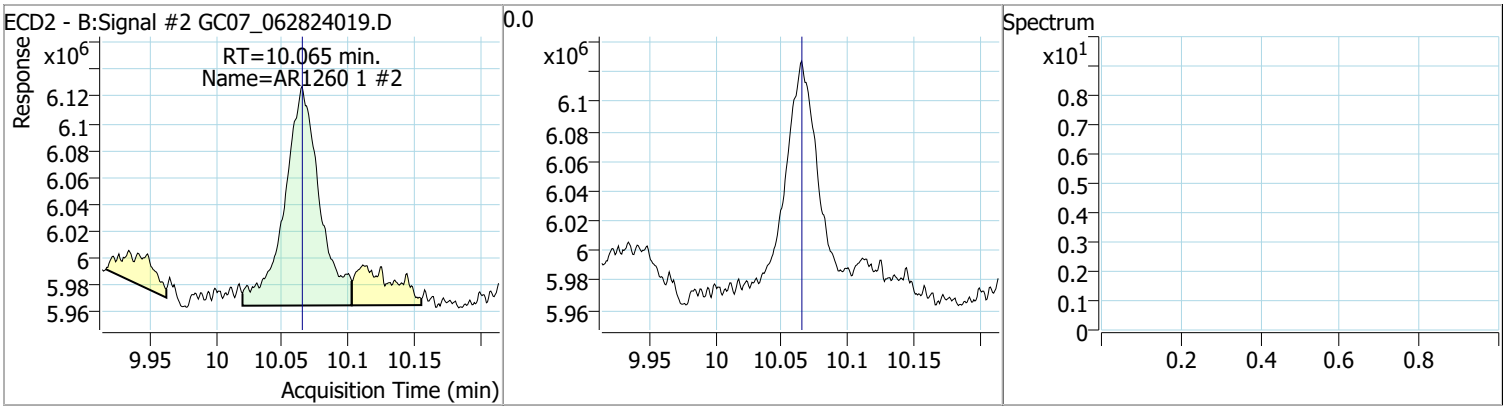
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	13.2227	9.42	0.00	1329215				



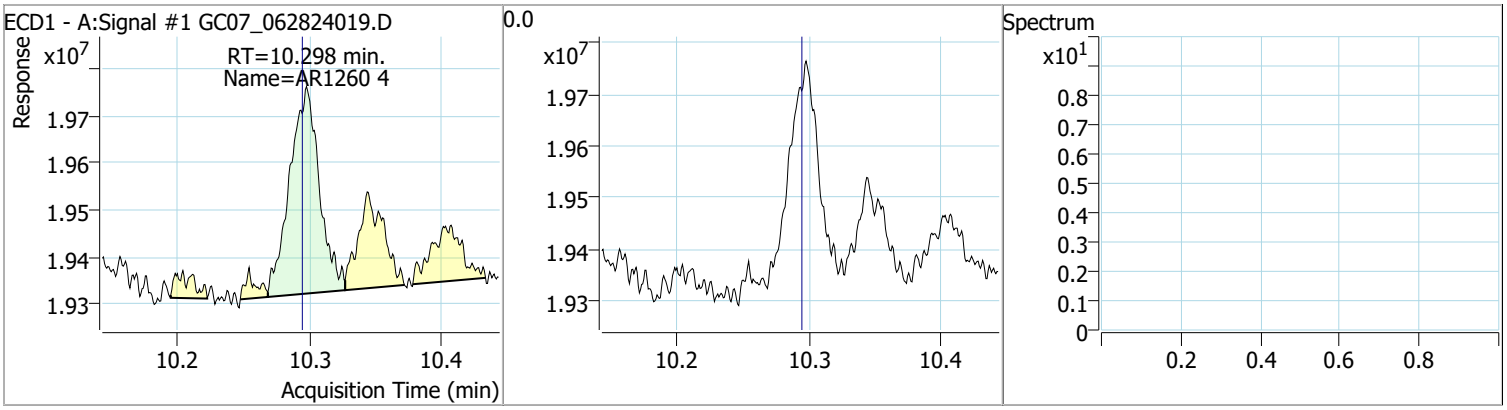
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.8452	9.83	0.00	1281172				



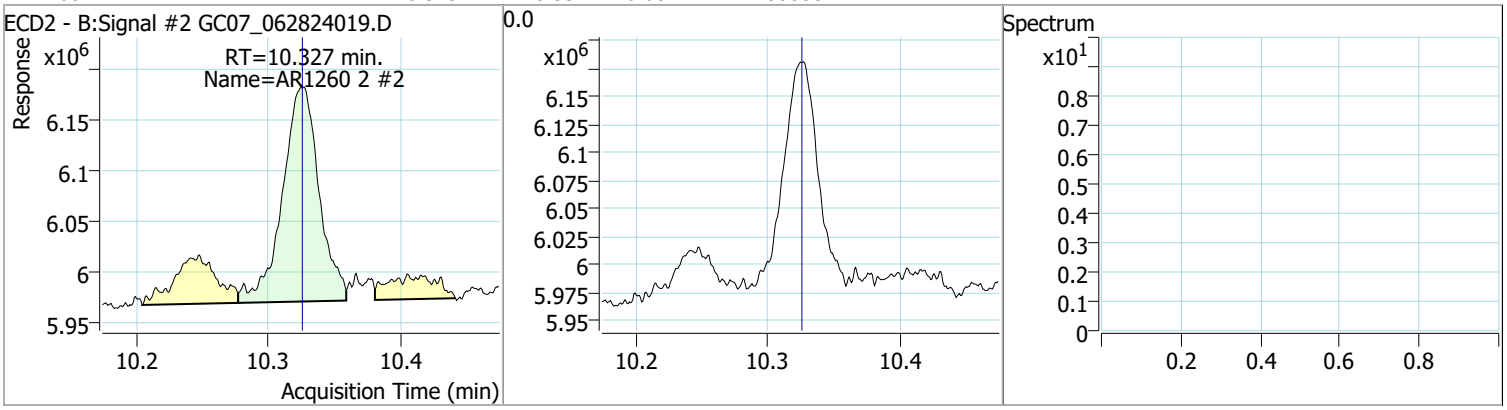
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AR1260 1 #2	15.1419	10.07	0.00	300993				



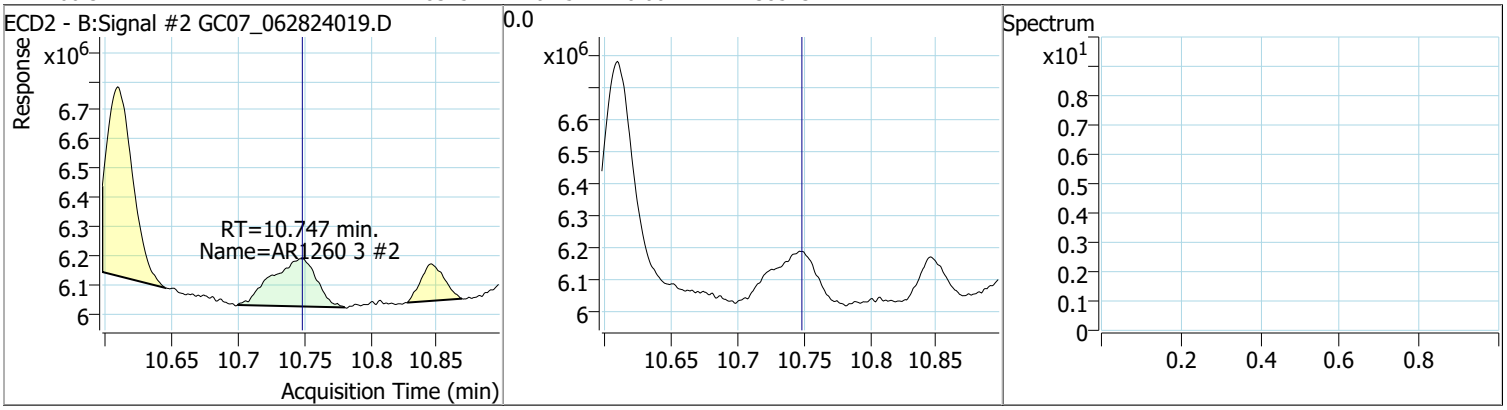
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.0179	10.30	0.00	688962				



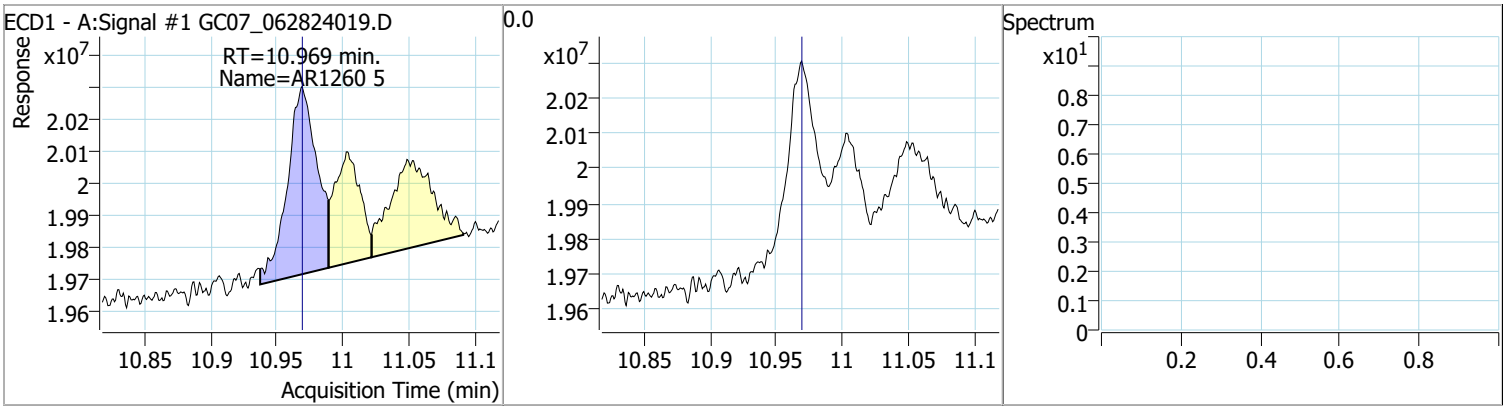
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AR1260 2 #2	16.3737	10.33	0.00	408888				



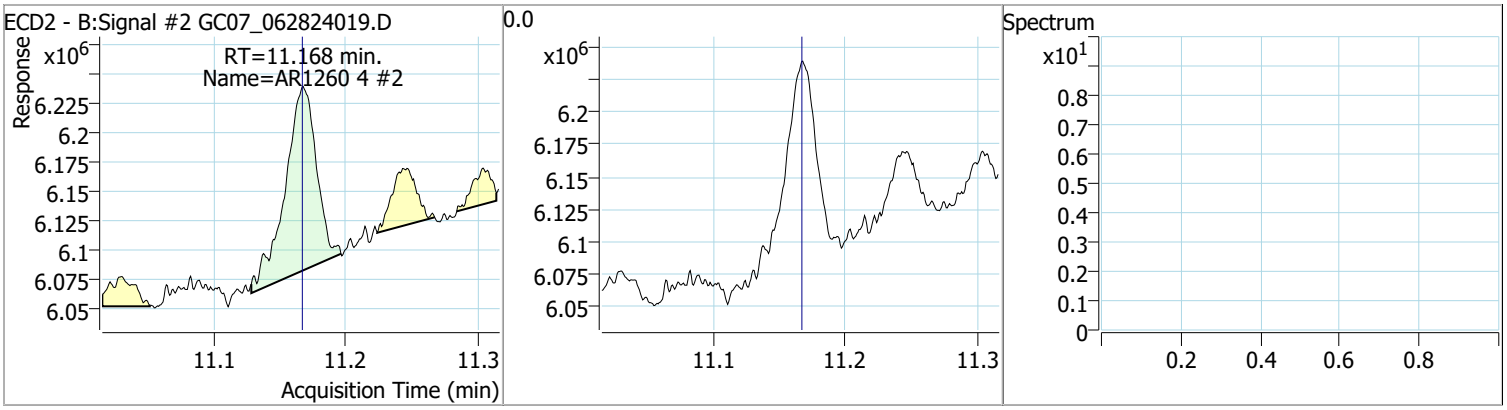
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AR1260 3 #2	12.8325	10.75	0.00	385734				



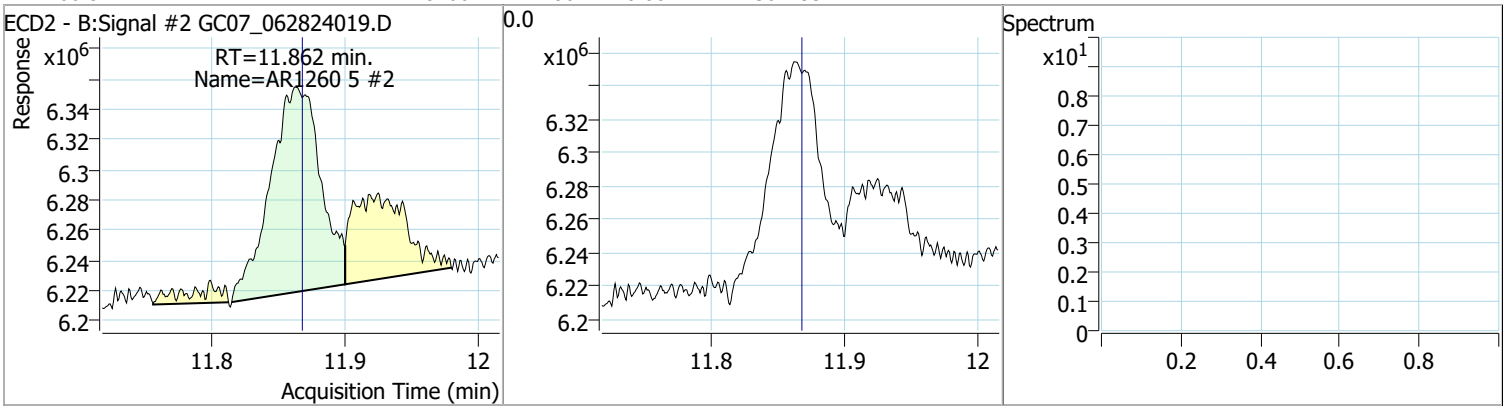
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.1271	10.97	0.00	908060				



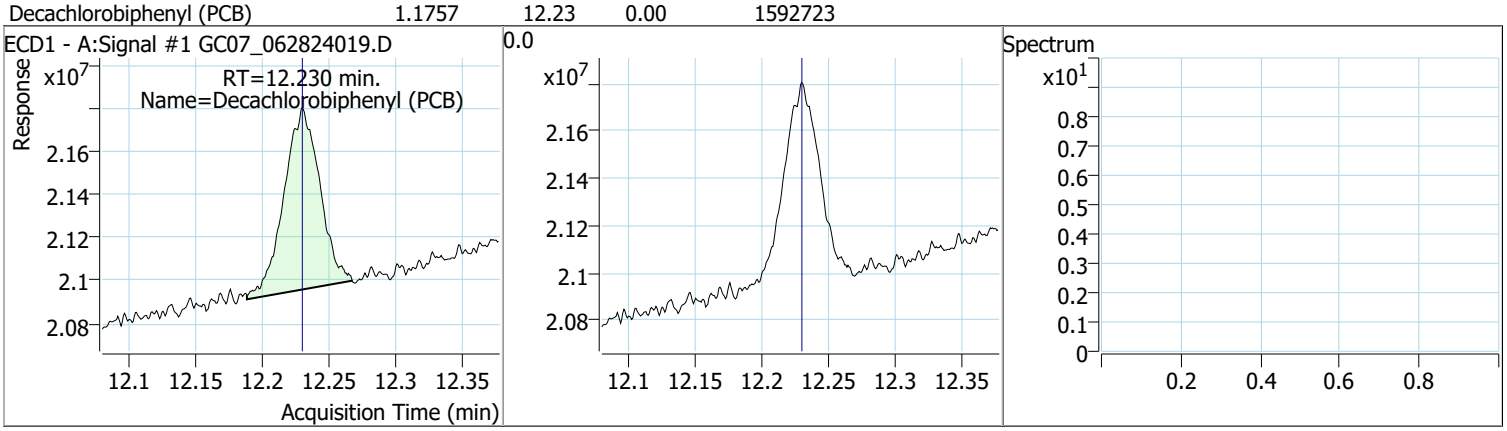
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.6150	11.17	0.00	258782				



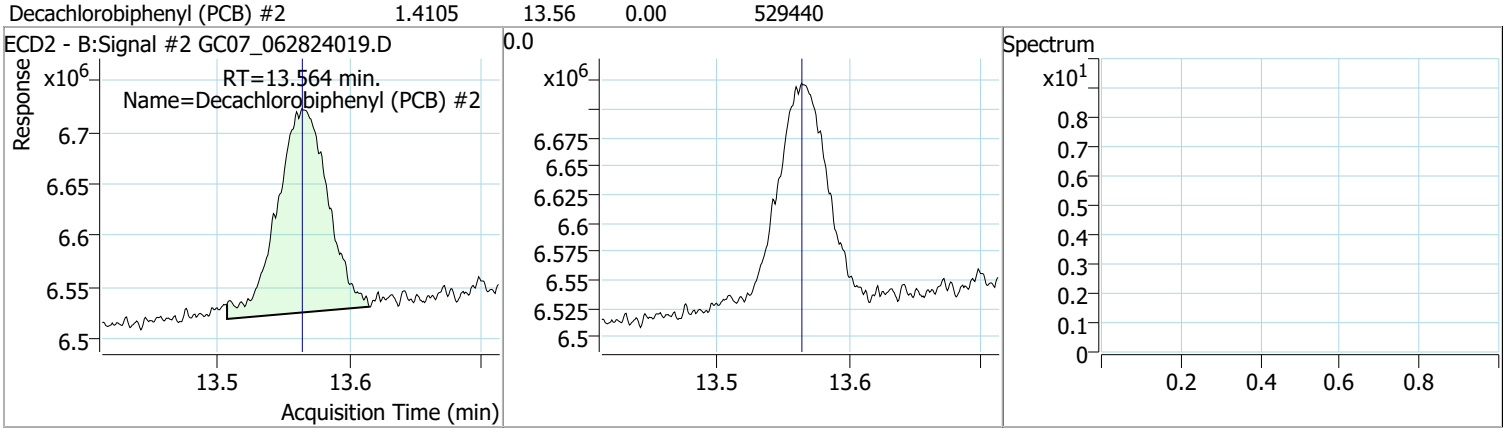
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8466	11.86	0.00	362499				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1757	12.23	0.00	1592723				

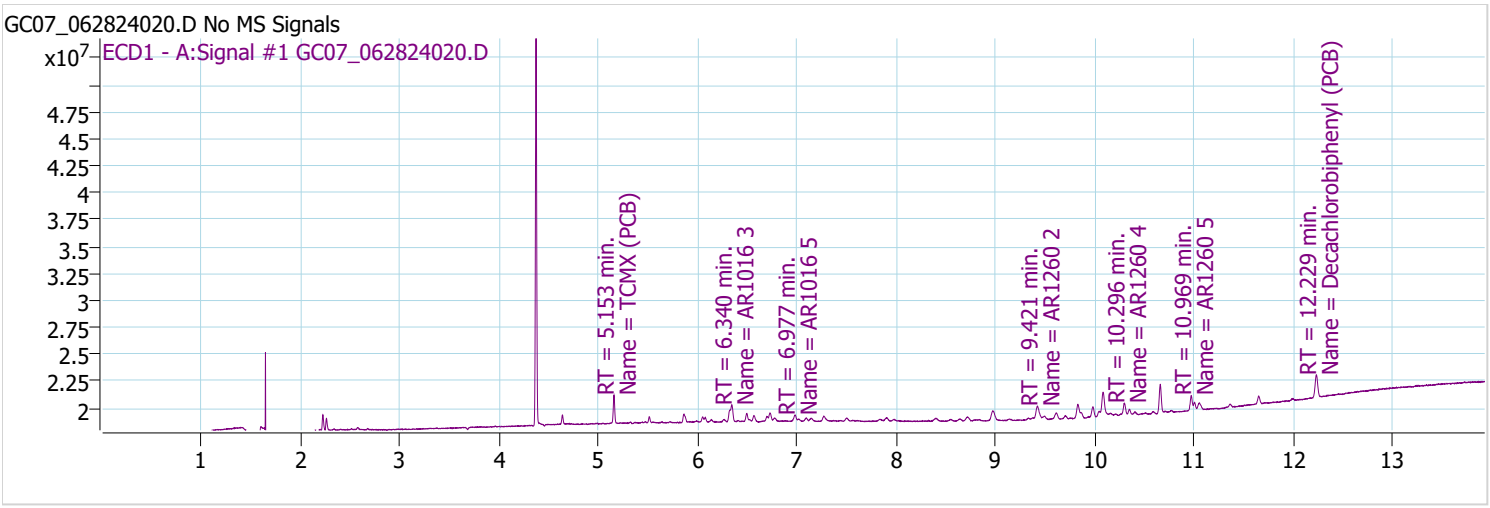


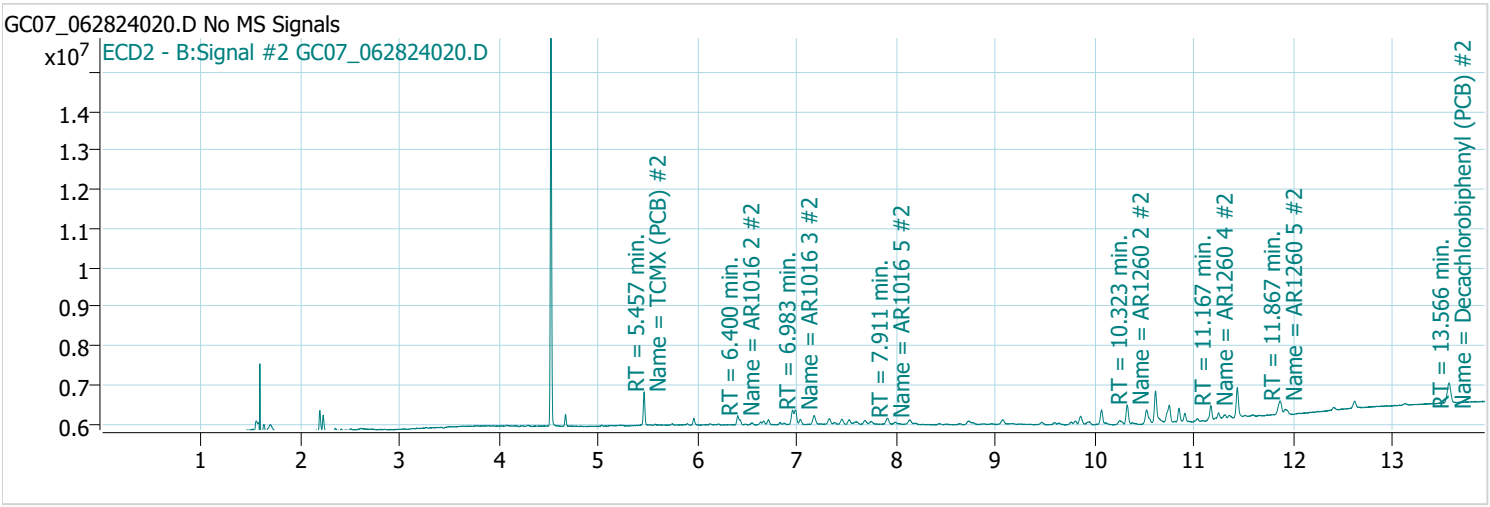
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.4105	13.56	0.00	529440				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:03:54 PM
Sample Name	ICAL, S20883	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



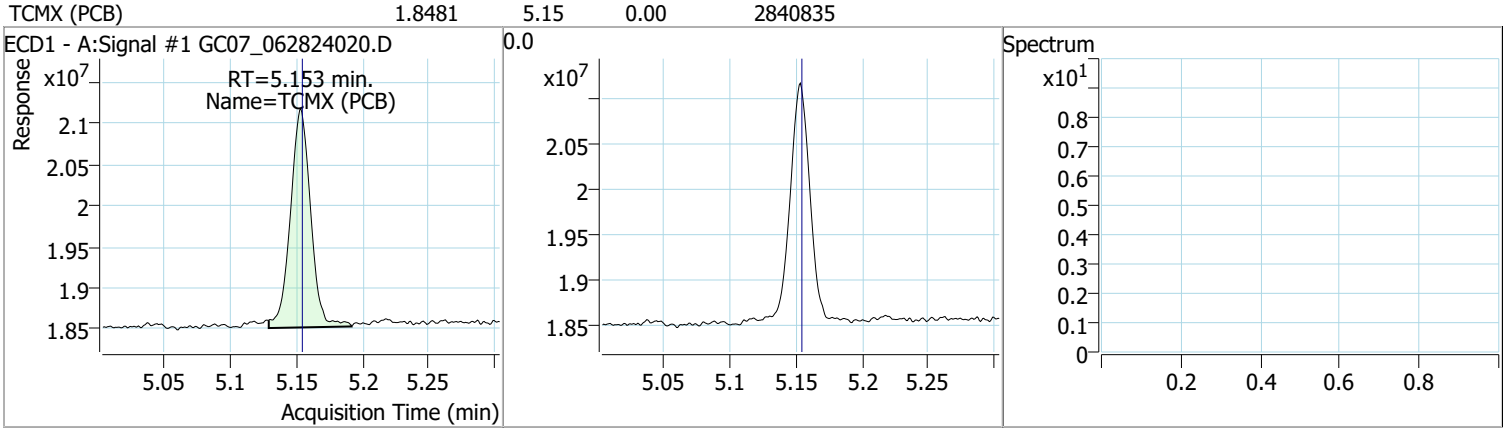


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	32813773.536	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9060765.116	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	2840834.540	1.8481	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.24%		*	
S TCMX (PCB) #2	5.457	0.0	959453.181	2.2077	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.04%		*	
S Decachlorobiphenyl (PCB)	12.229	0.0	3958101.061	2.1878	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	1322291.570	2.6713	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.36%		*	
Target Compounds							**QValue**
T AR1016 1	5.508	0.0	778021.224	27.1254	ng/ml		100

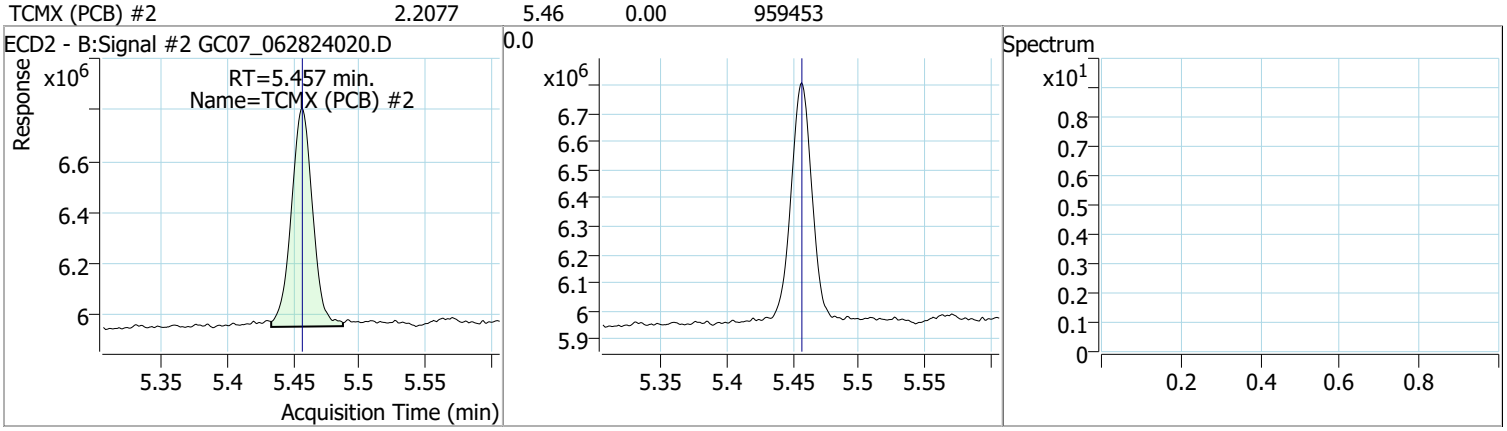
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.858	0.0	1328254.498	22.2917	ng/ml		100
T AR1016 1 #2	5.959	0.0	234191.399	24.4795	ng/ml		100
T AR1016 3	6.340	0.0	2571625.561	34.4007	ng/ml	m	100
T AR1016 2 #2	6.400	0.0	499061.047	25.2488	ng/ml		100
T AR1016 4	6.492	0.0	1099340.852	22.0491	ng/ml	m	100
T AR1016 5	6.977	0.0	1000156.918	22.8210	ng/ml		100
T AR1016 3 #2	6.983	0.0	636605.373	25.8238	ng/ml		100
T AR1016 4 #2	7.170	0.0	451066.540	24.7519	ng/ml		100
T AR1016 5 #2	7.911	0.0	330412.358	22.4177	ng/ml		100
T AR1260 1	8.971	0.0	2419291.681	27.5240	ng/ml		100
T AR1260 2	9.421	0.0	3049907.638	22.7190	ng/ml		100
T AR1260 3	9.827	0.0	3105274.279	21.4986	ng/ml	m	100
T AR1260 1 #2	10.066	0.0	707182.644	26.9777	ng/ml		100
T AR1260 4	10.296	0.0	1916354.860	22.9487	ng/ml		100
T AR1260 2 #2	10.323	0.0	876957.107	26.6300	ng/ml		100
T AR1260 3 #2	10.747	0.0	960062.850	24.2200	ng/ml		100
T AR1260 5	10.969	0.0	2085632.219	20.8573	ng/ml		100
T AR1260 4 #2	11.167	0.0	448239.327	17.8832	ng/ml		100
T AR1260 5 #2	11.867	0.0	881344.046	23.6852	ng/ml		100

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

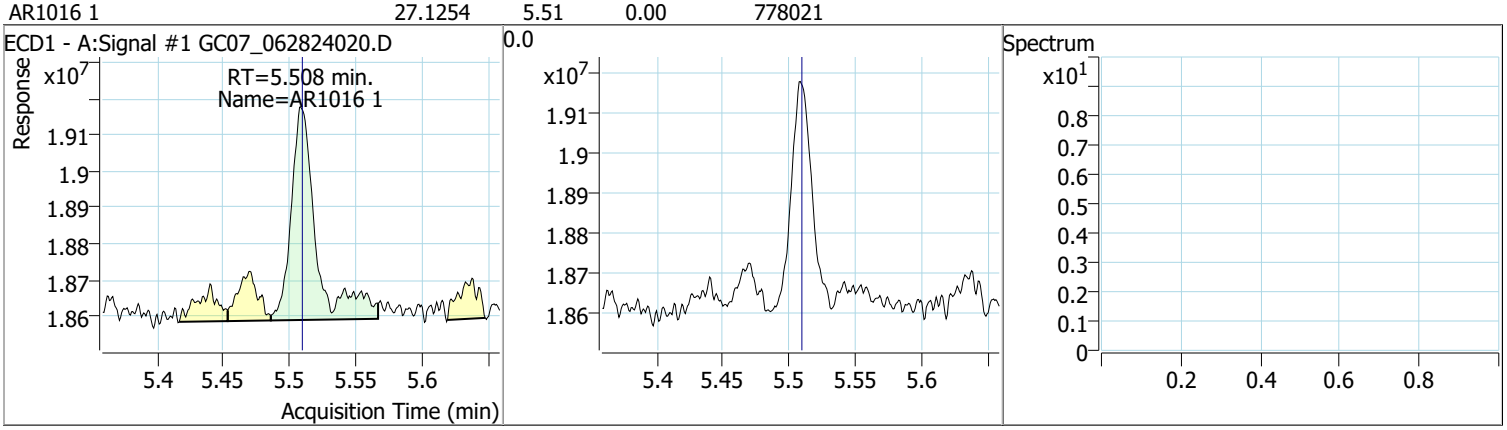
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8481	5.15	0.00	2840835				



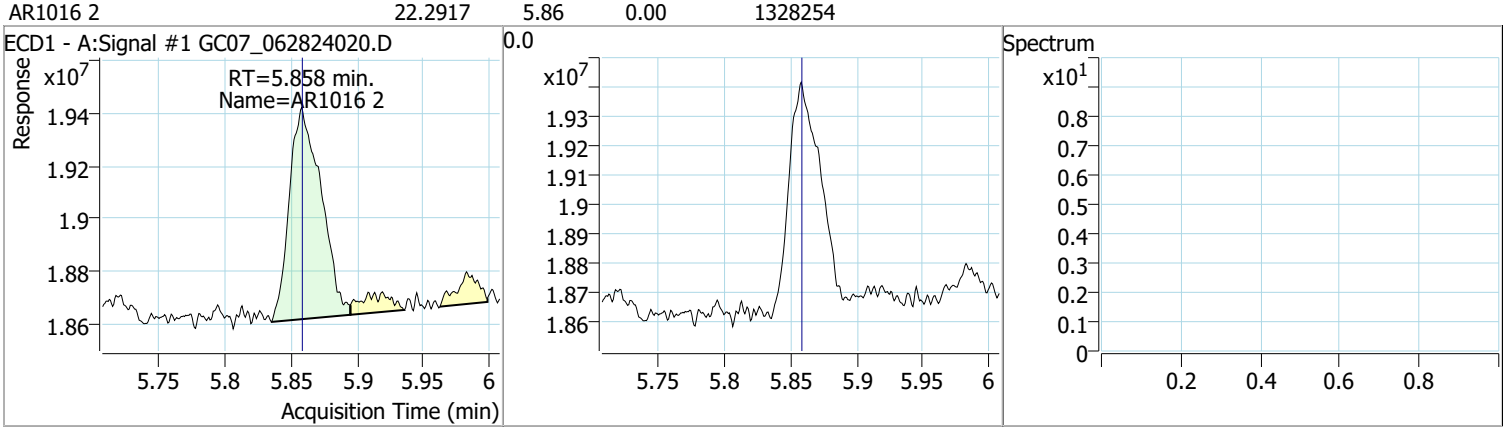
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.2077	5.46	0.00	959453				



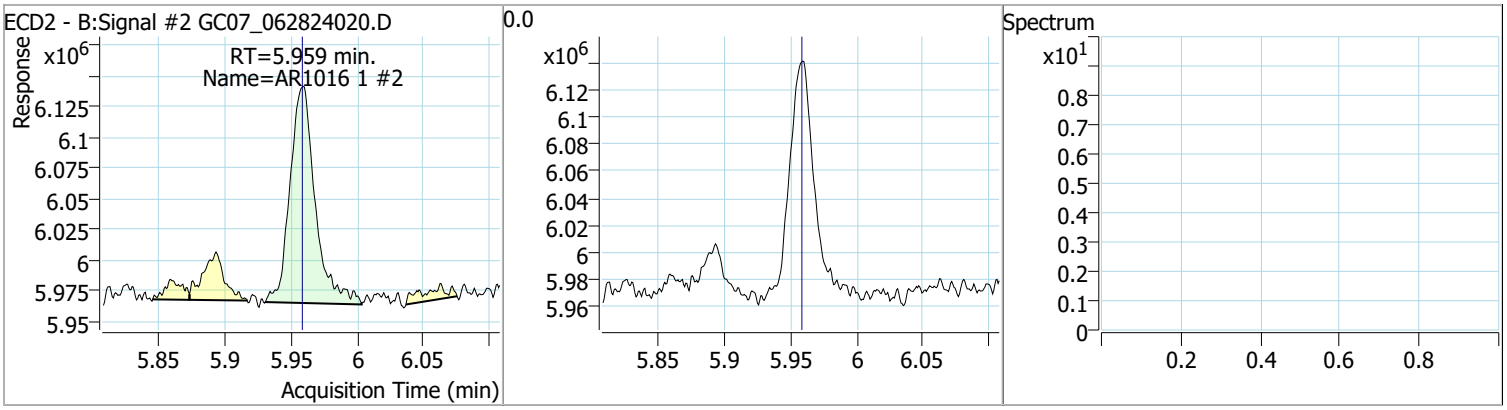
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.1254	5.51	0.00	778021				



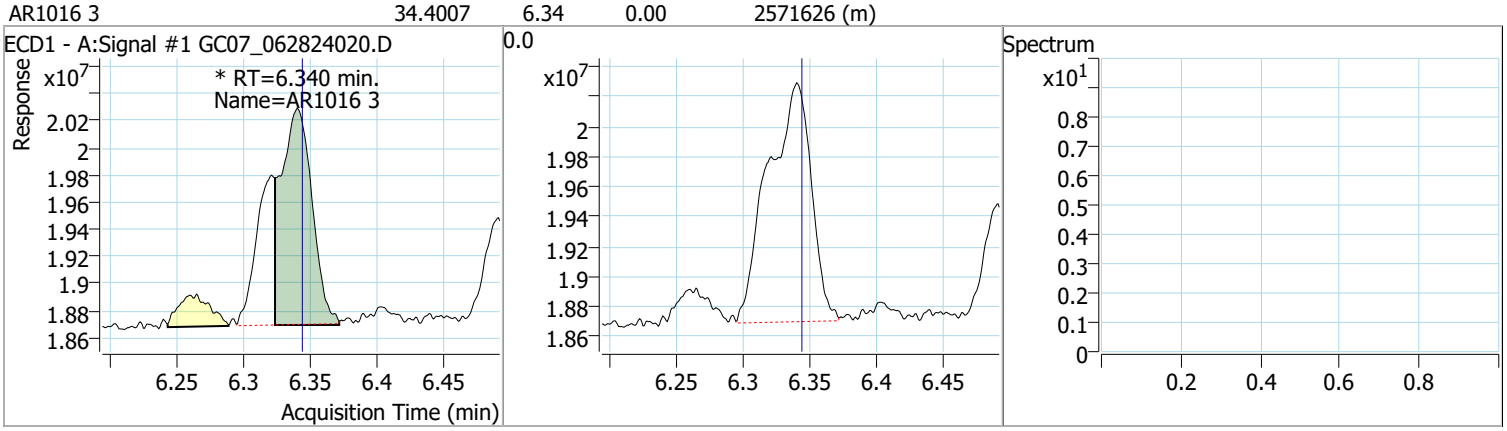
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.2917	5.86	0.00	1328254				



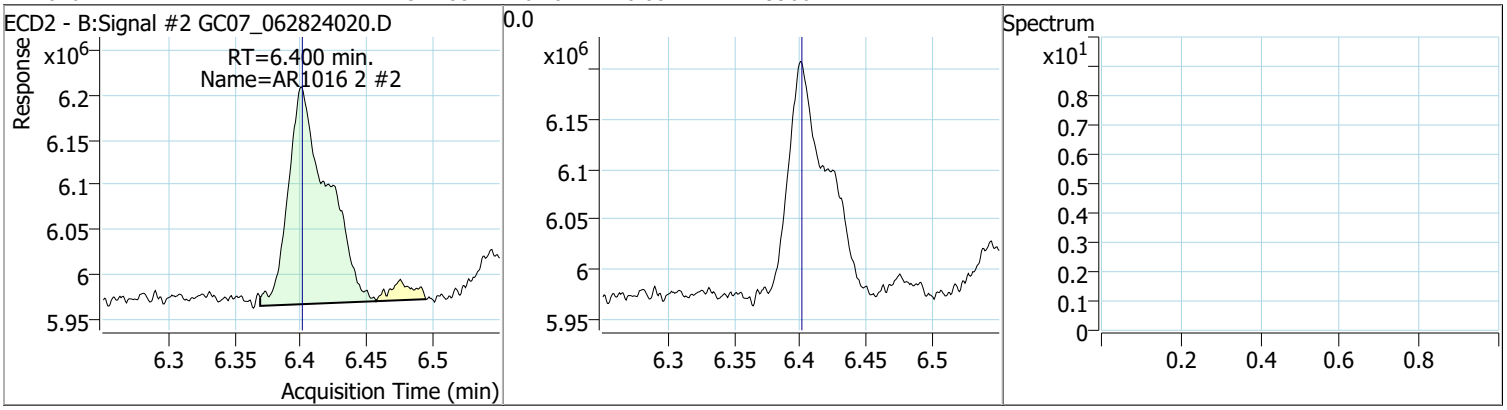
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.4795	5.96	0.00	234191				



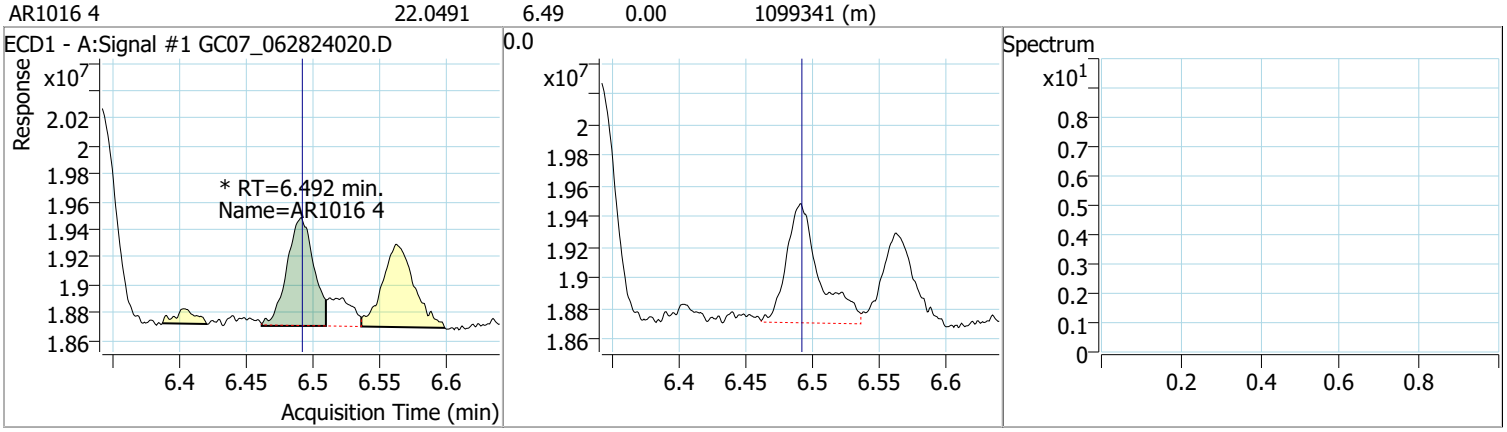
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4007	6.34	0.00	2571626 (m)				



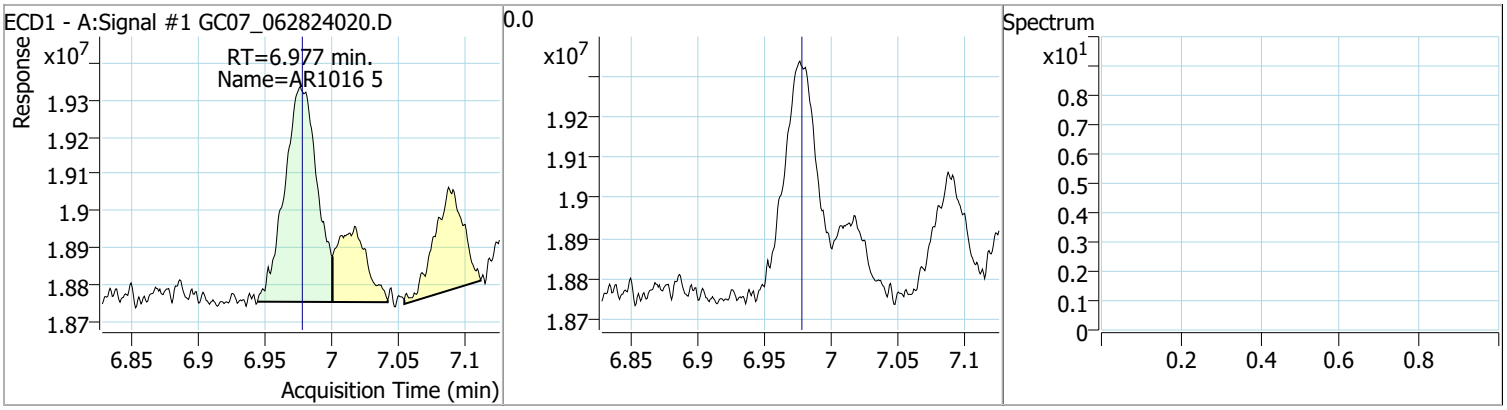
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.2488	6.40	0.00	499061				



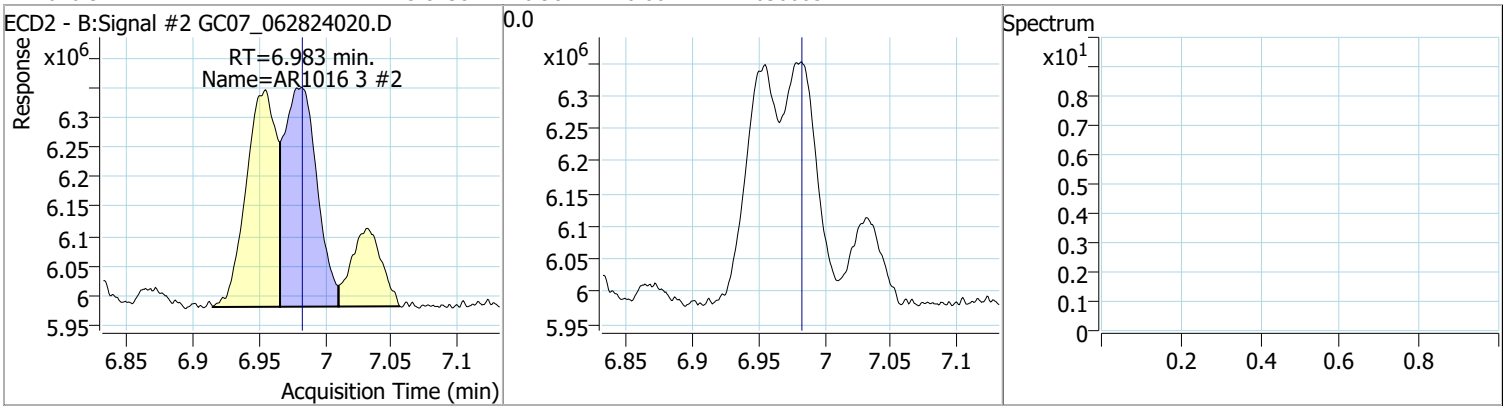
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.0491	6.49	0.00	1099341 (m)				



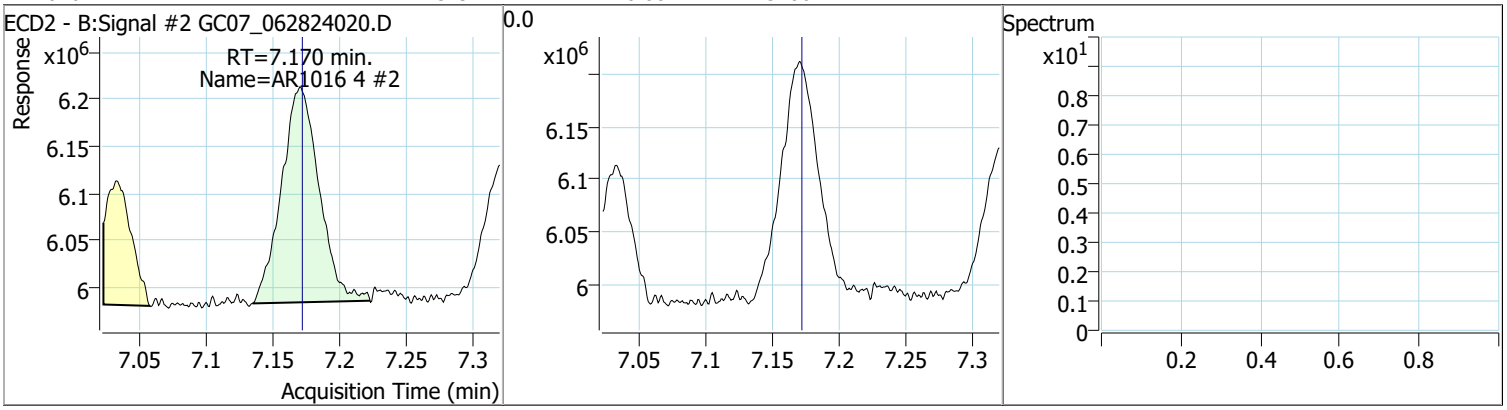
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8210	6.98	0.00	1000157				



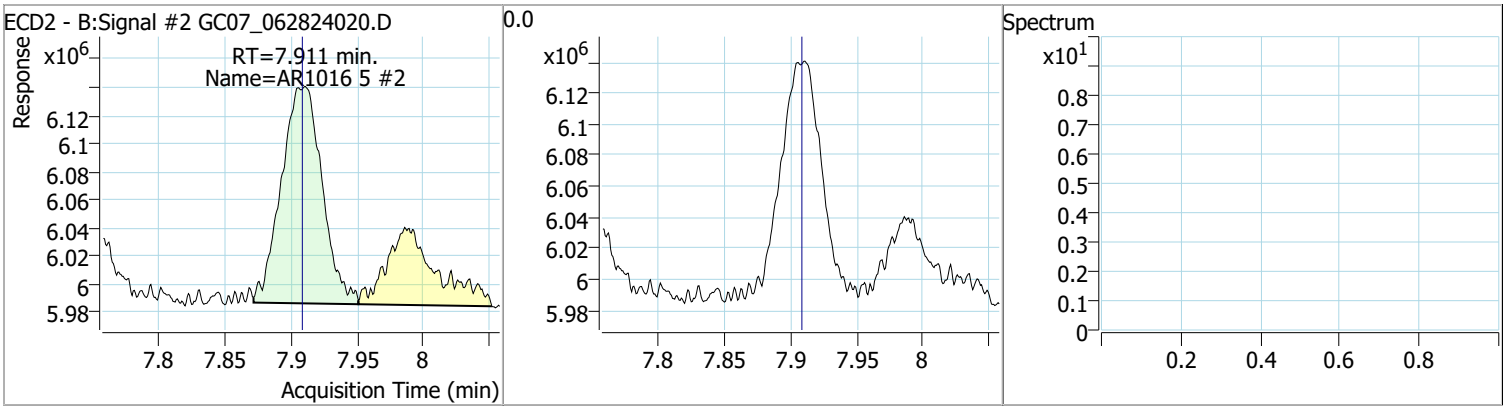
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AR1016 3 #2	25.8238	6.98	0.00	636605				



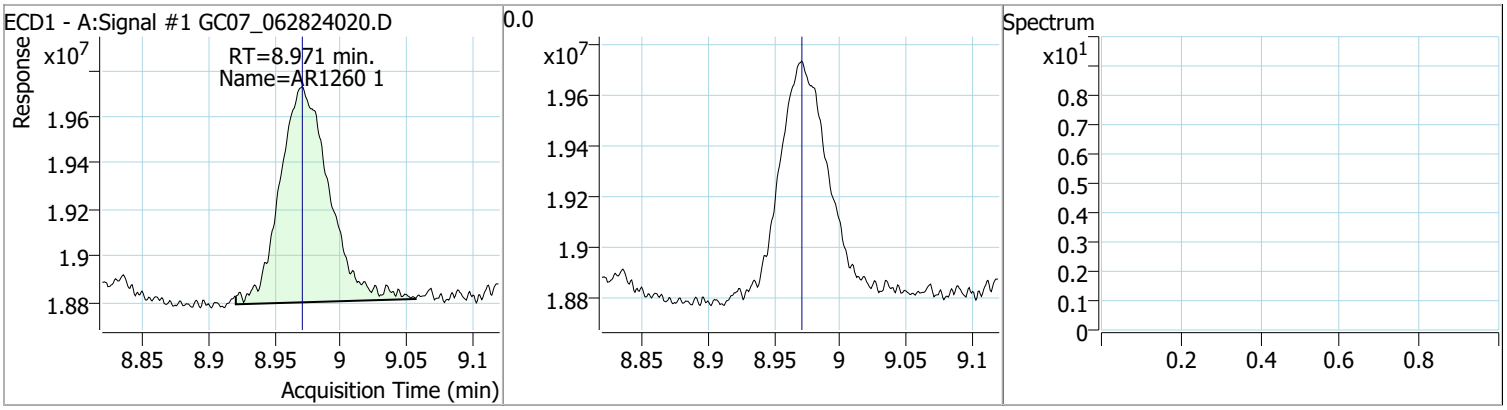
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AR1016 4 #2	24.7519	7.17	0.00	451067				



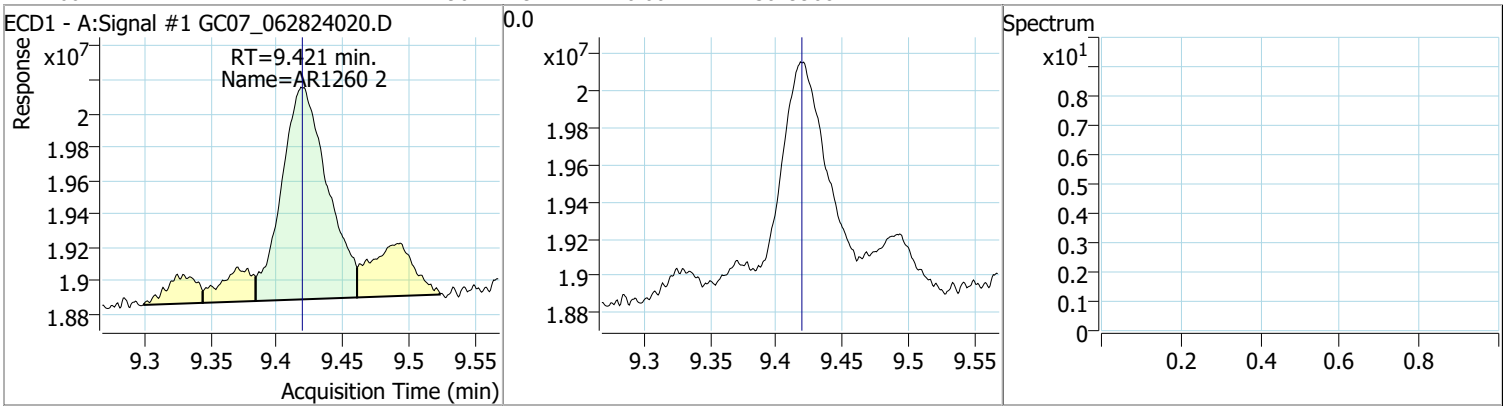
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.4177	7.91	0.00	330412				



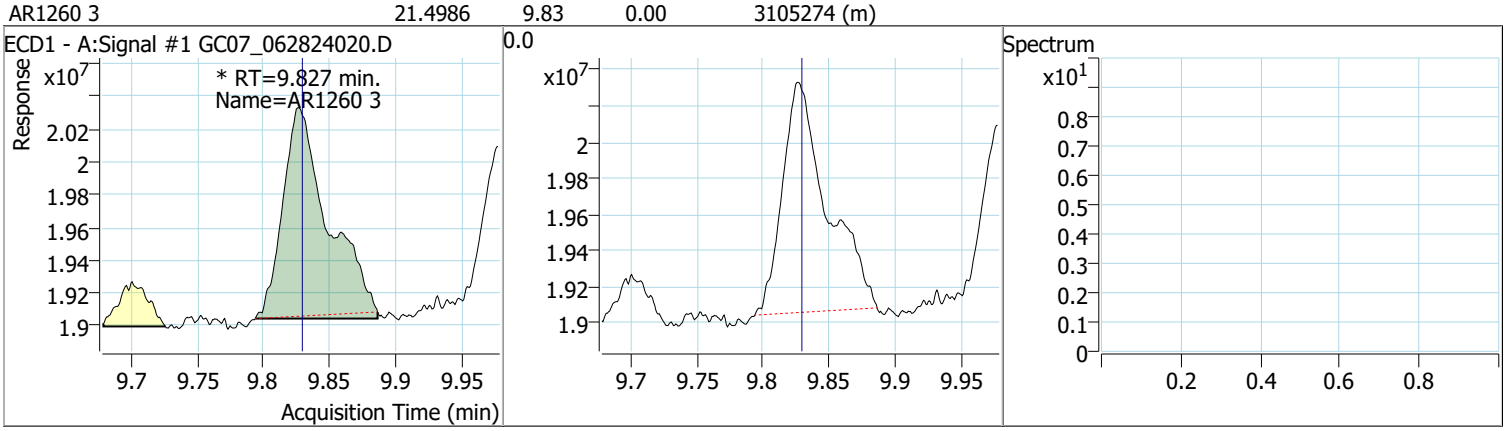
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.5240	8.97	0.00	2419292				



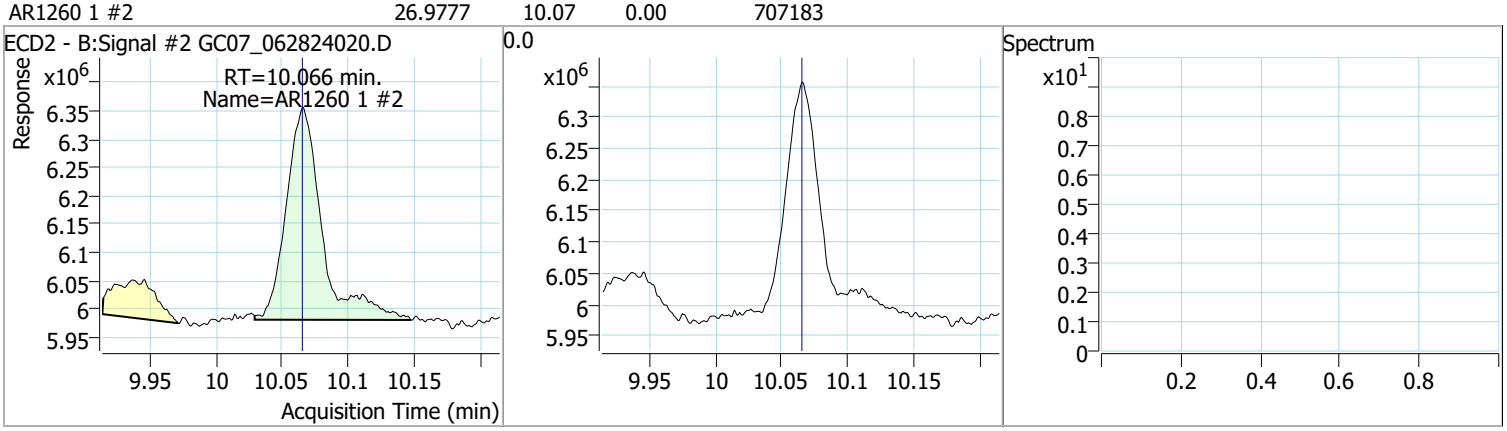
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.7190	9.42	0.00	3049908				



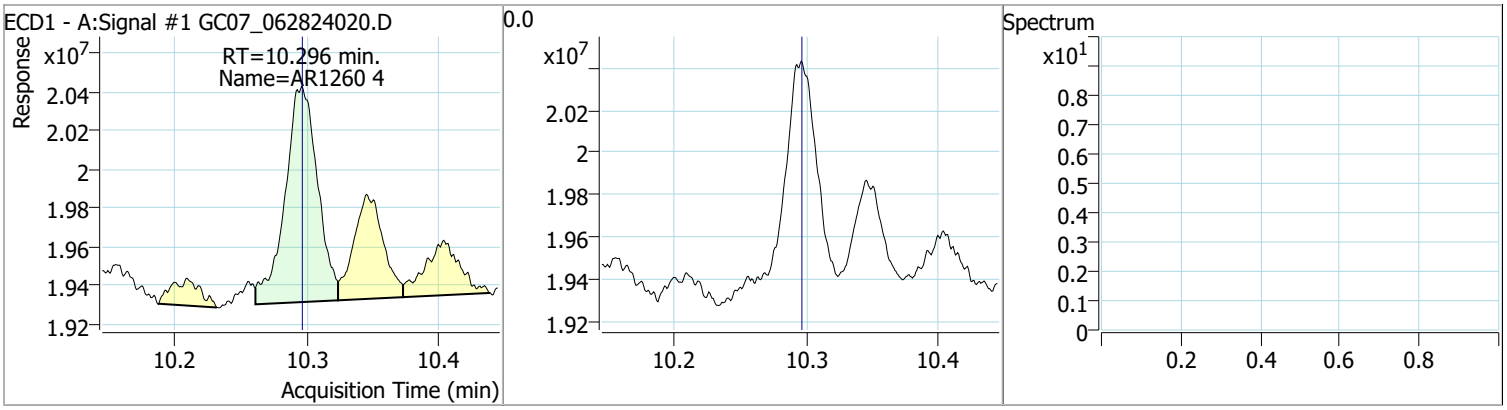
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.4986	9.83	0.00	3105274 (m)				



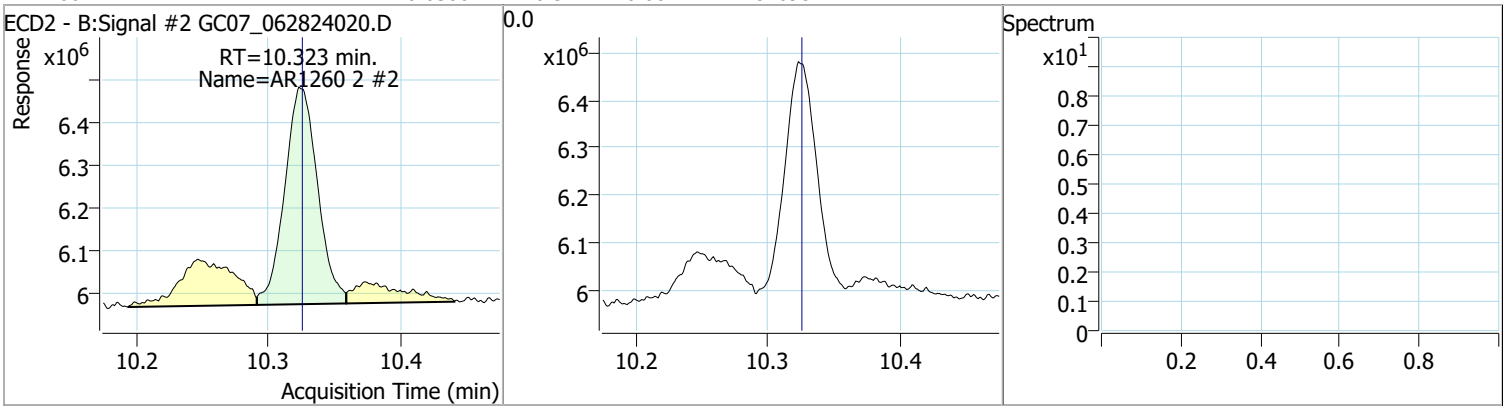
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.9777	10.07	0.00	707183				



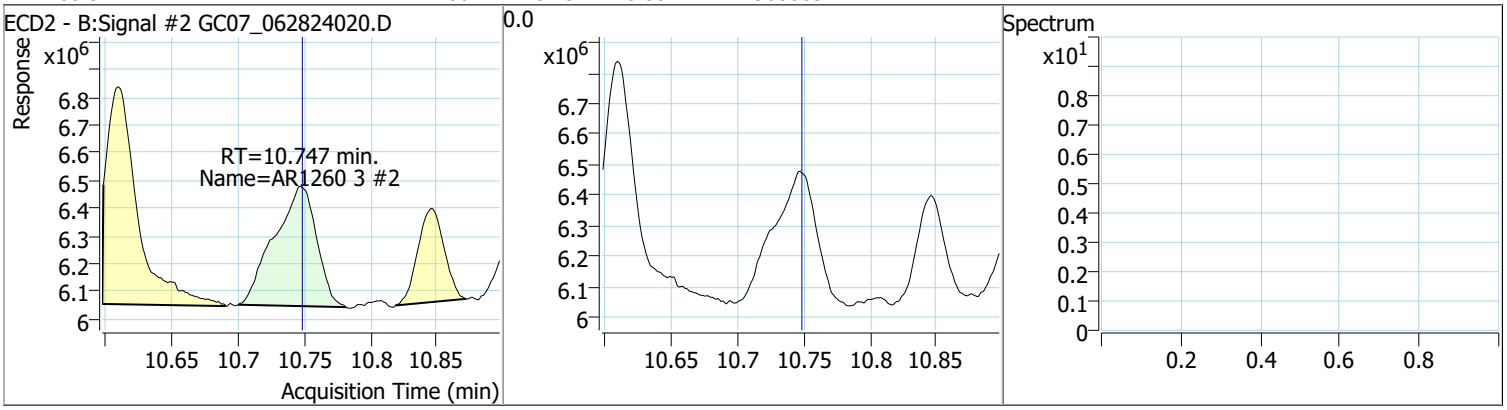
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.9487	10.30	0.00	1916355				



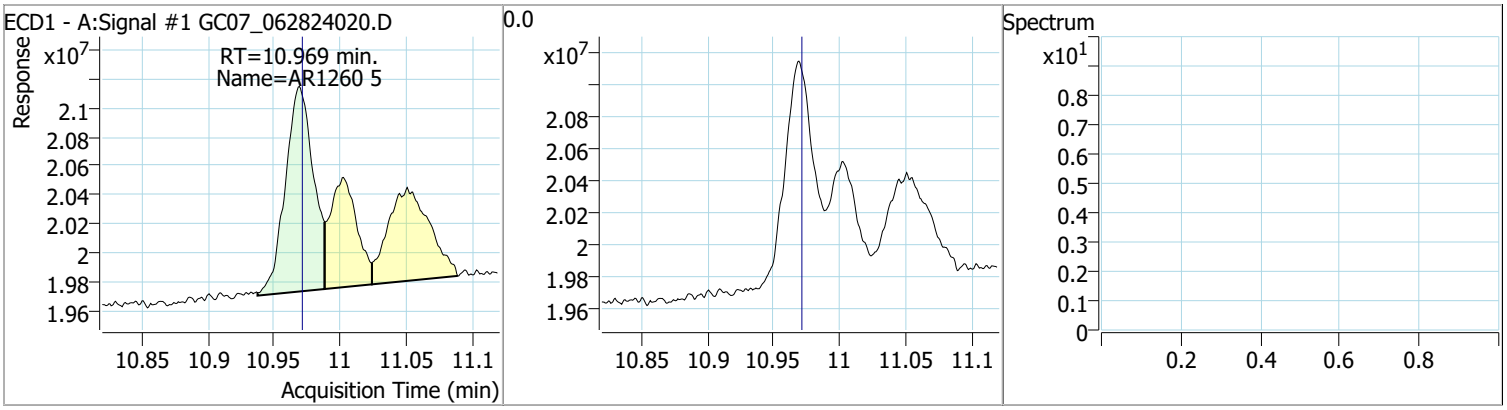
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.6300	10.32	0.00	876957				



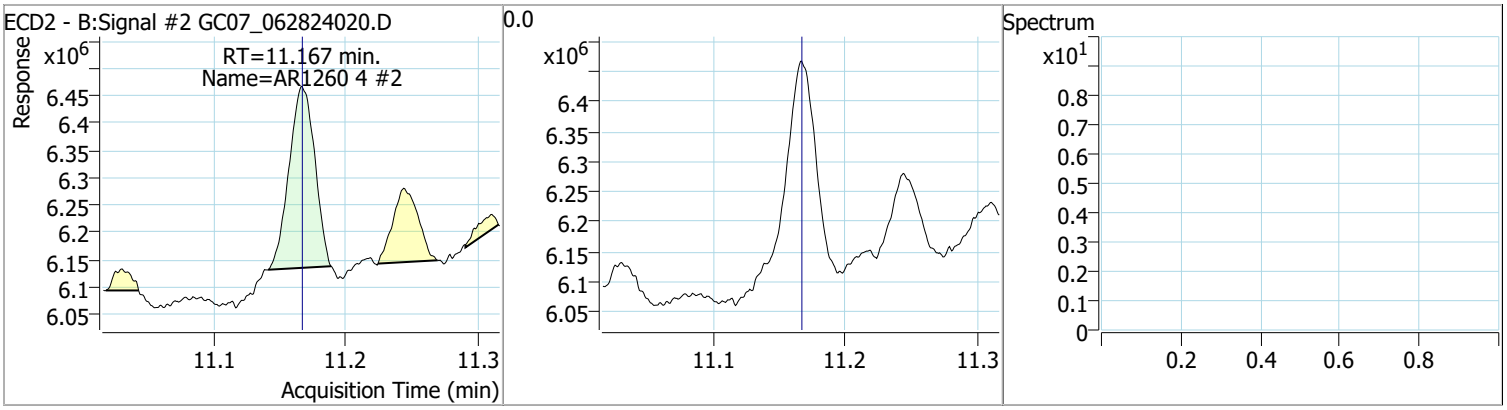
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.2200	10.75	0.00	960063				



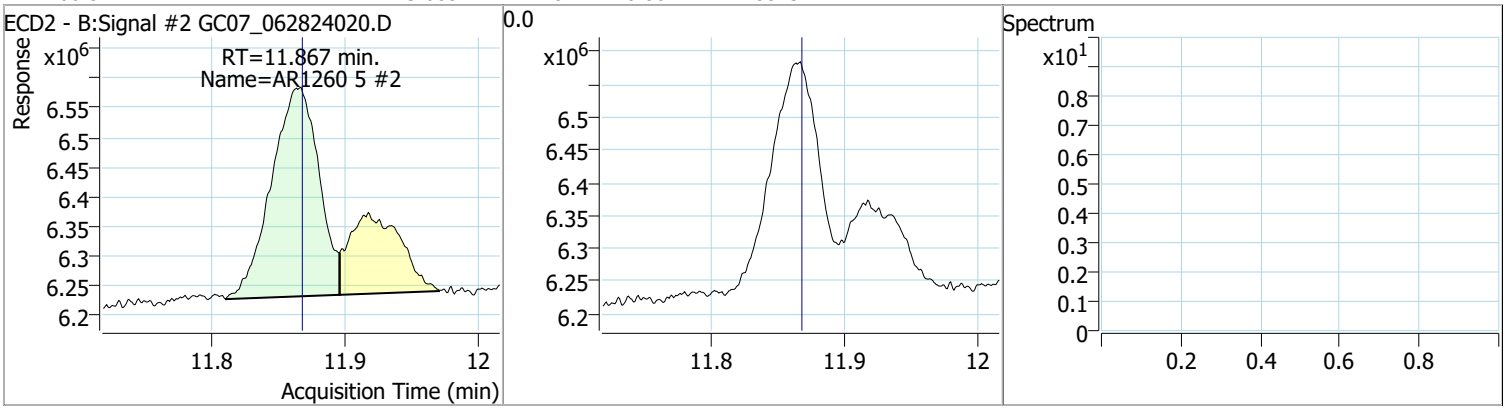
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.8573	10.97	0.00	2085632				



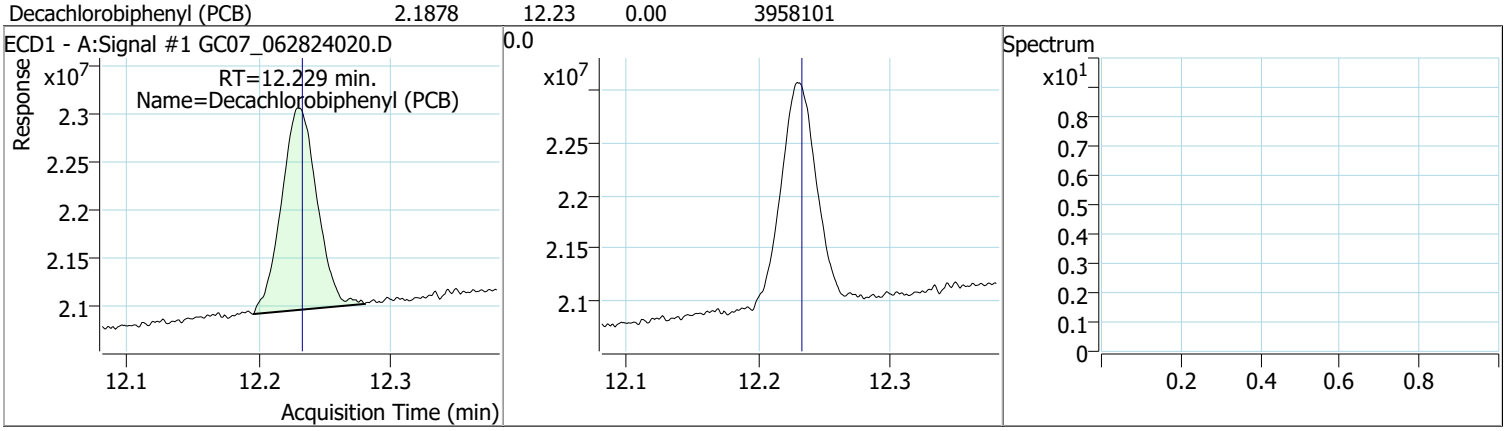
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	17.8832	11.17	0.00	448239				



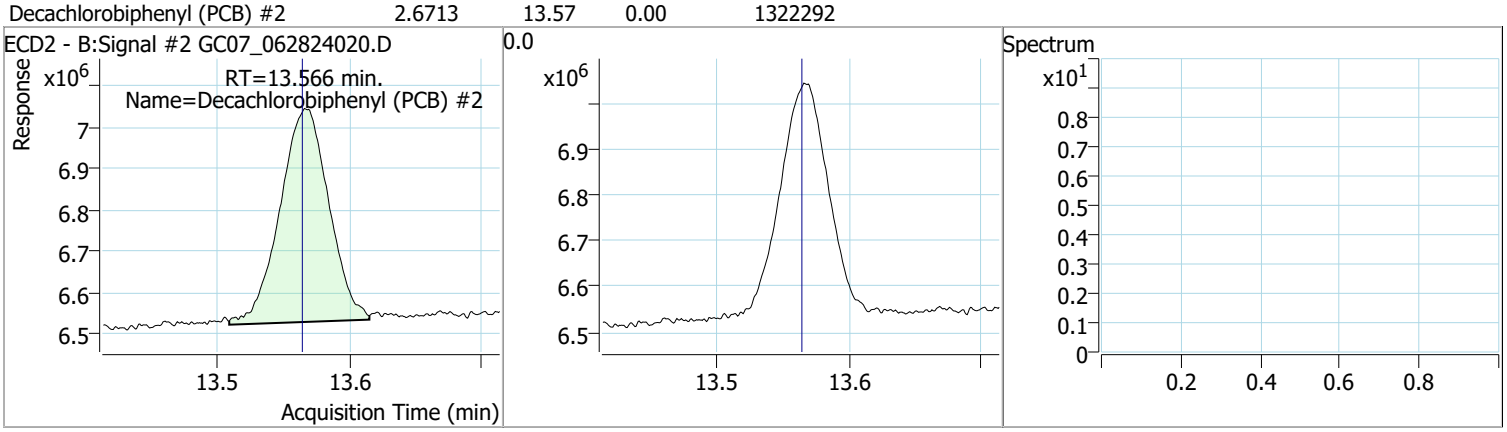
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.6852	11.87	0.00	881344				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1878	12.23	0.00	3958101				

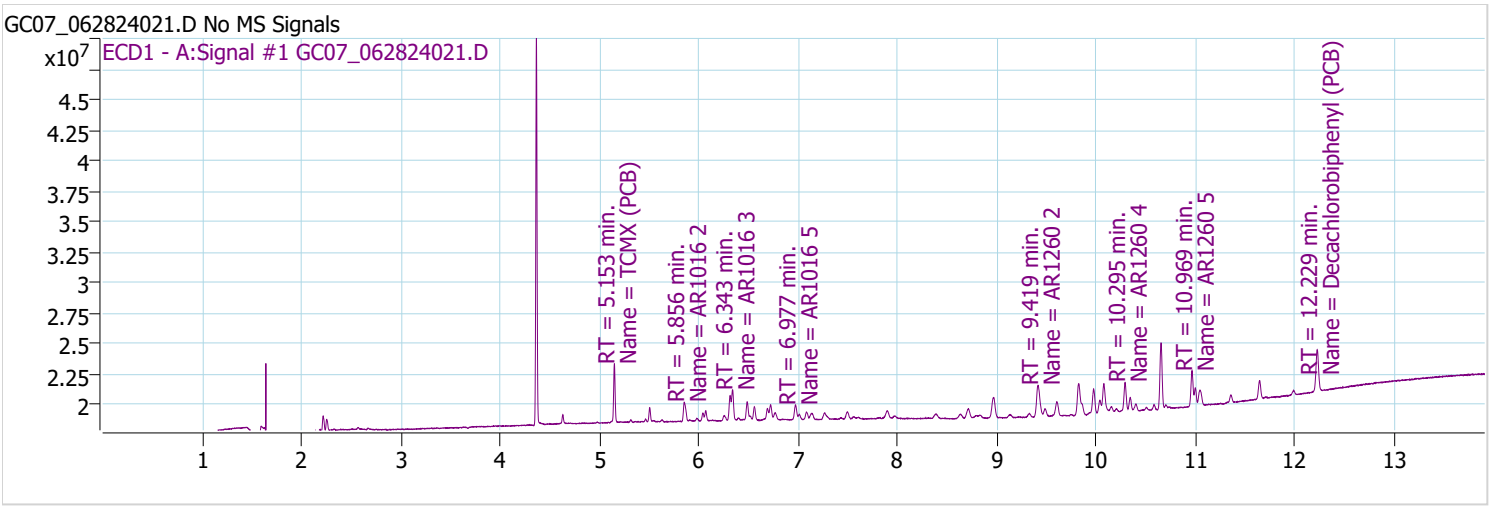


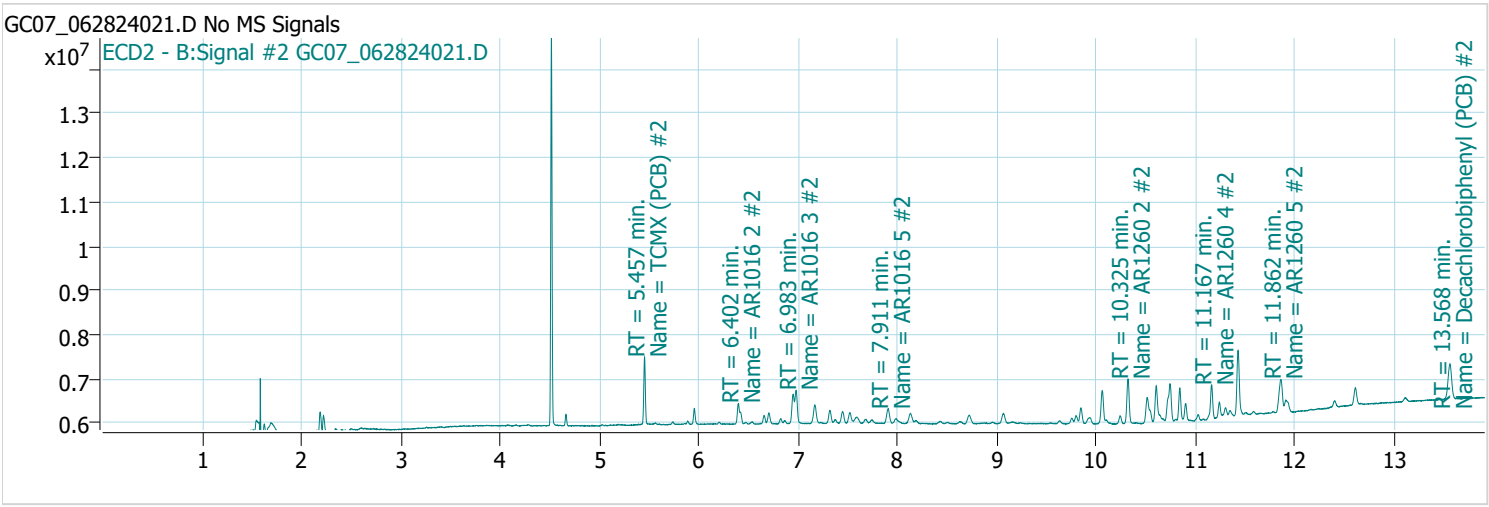
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6713	13.57	0.00	1322292				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:21:15 PM
Sample Name	ICAL, S20884	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



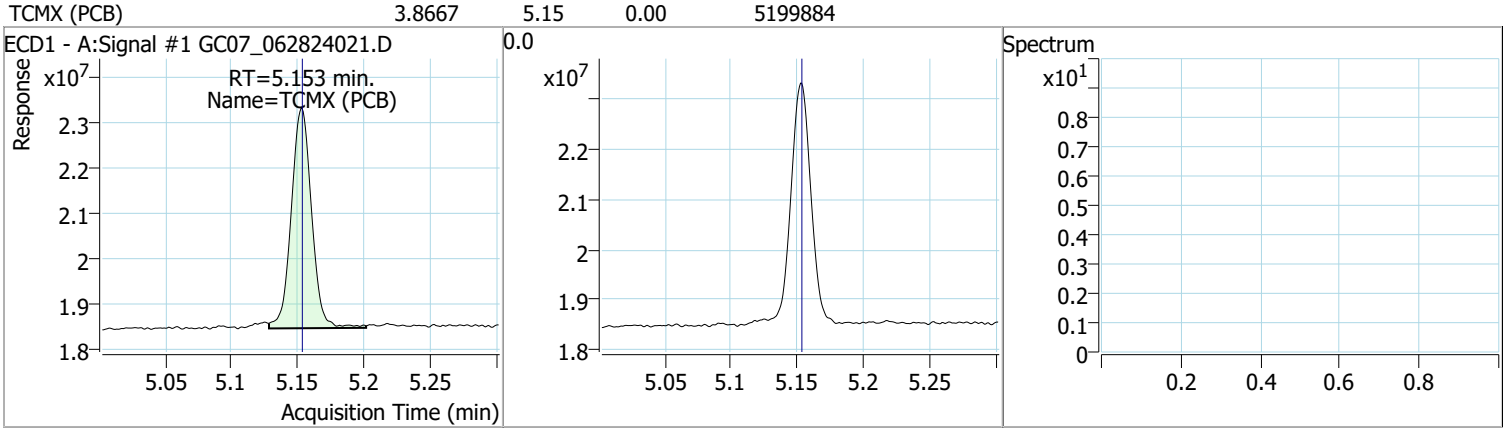


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28707643.033	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.519	0.0	8040733.061	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	5199884.499	3.8667	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.33%		*	
S TCMX (PCB) #2	5.457	0.0	1720703.083	4.4616	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.31%		*	
S Decachlorobiphenyl (PCB)	12.229	0.0	6469062.071	4.0872	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.44%		*	
S Decachlorobiphenyl (PCB) #2	13.568	0.0	2052070.958	4.6716	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%		*	
Target Compounds							QValue

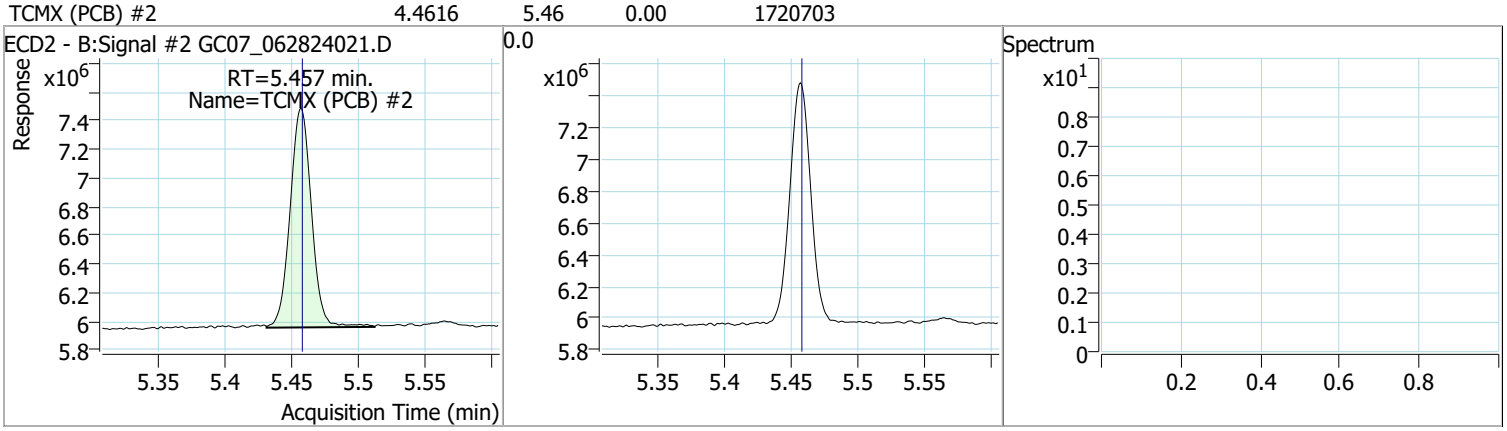
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	1316179.520	52.4516	ng/ml		100
T AR1016 2	5.856	0.0	2702344.344	51.8396	ng/ml		100
T AR1016 1 #2	5.958	0.0	454408.366	53.5238	ng/ml		100
T AR1016 3	6.343	0.0	3592955.586	54.9376	ng/ml		100
T AR1016 2 #2	6.402	0.0	991079.735	56.5021	ng/ml		100
T AR1016 4	6.490	0.0	2136718.056	48.9852	ng/ml	m	100
T AR1016 5	6.977	0.0	1997824.756	52.1055	ng/ml		100
T AR1016 3 #2	6.983	0.0	1288206.681	58.8850	ng/ml		100
T AR1016 4 #2	7.170	0.0	896004.883	55.4049	ng/ml		100
T AR1016 5 #2	7.911	0.0	682282.940	52.1638	ng/ml		100
T AR1260 1	8.973	0.0	3801549.944	49.4359	ng/ml		100
T AR1260 2	9.419	0.0	6104749.711	51.9790	ng/ml		100
T AR1260 3	9.828	0.0	6530061.777	51.6757	ng/ml		100
T AR1260 1 #2	10.065	0.0	1288208.271	55.3770	ng/ml		100
T AR1260 4	10.295	0.0	3805769.202	52.0934	ng/ml		100
T AR1260 2 #2	10.325	0.0	1723687.255	58.9821	ng/ml		100
T AR1260 3 #2	10.747	0.0	1959961.162	55.7175	ng/ml		100
T AR1260 5	10.969	0.0	4469357.866	51.0885	ng/ml		100
T AR1260 4 #2	11.167	0.0	1226114.811	55.1232	ng/ml		100
T AR1260 5 #2	11.862	0.0	1820415.005	55.1278	ng/ml		100

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

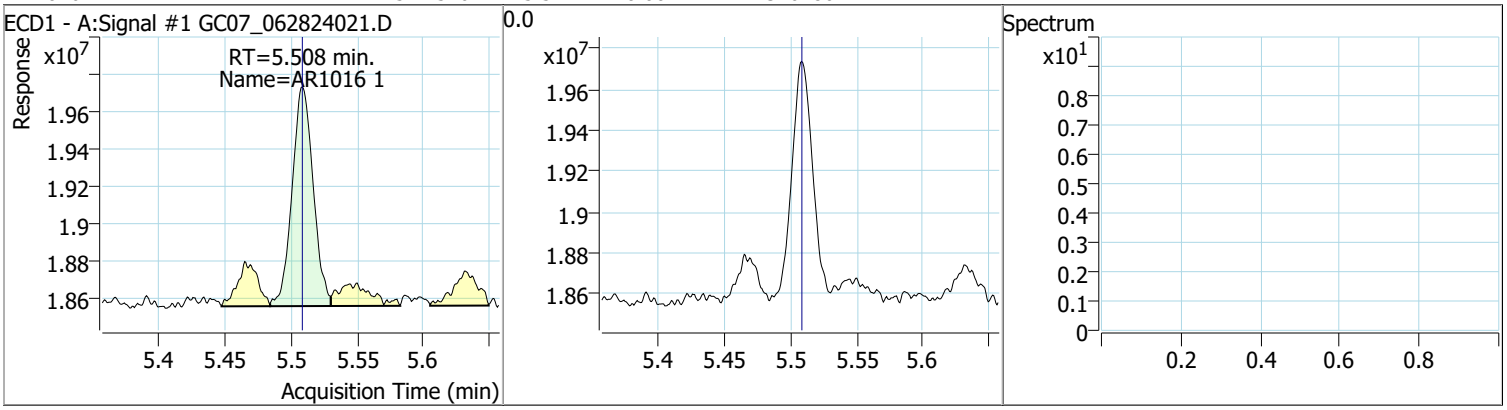
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8667	5.15	0.00	5199884				



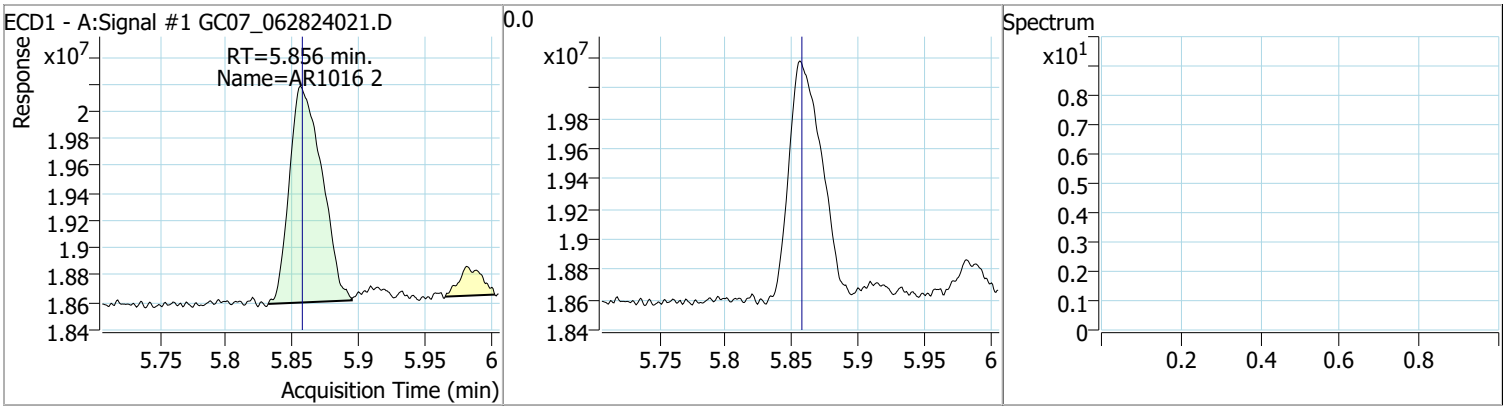
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.4616	5.46	0.00	1720703				



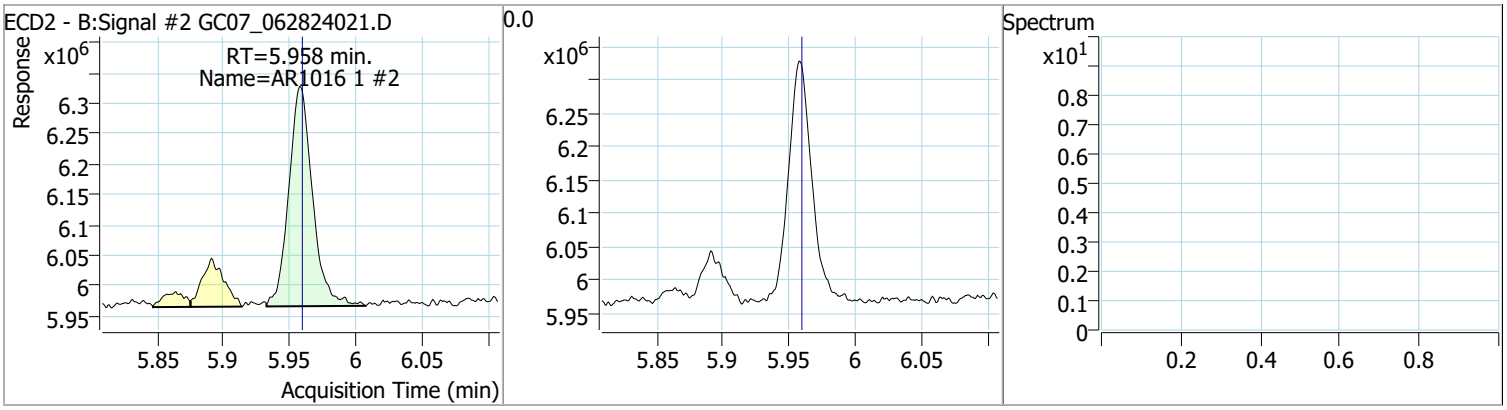
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4516	5.51	0.00	1316180				



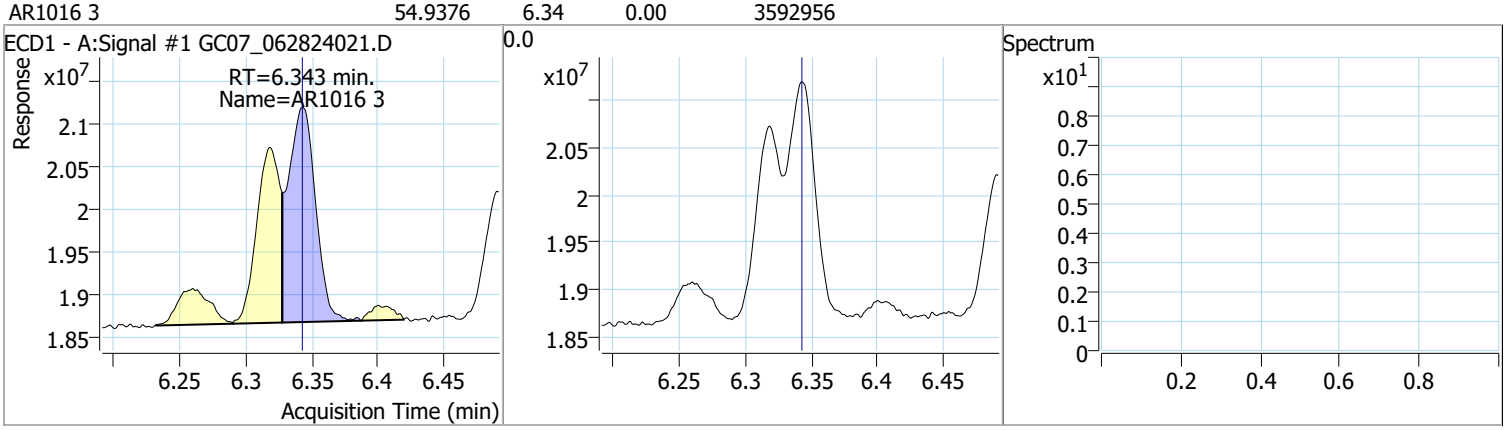
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8396	5.86	0.00	2702344				



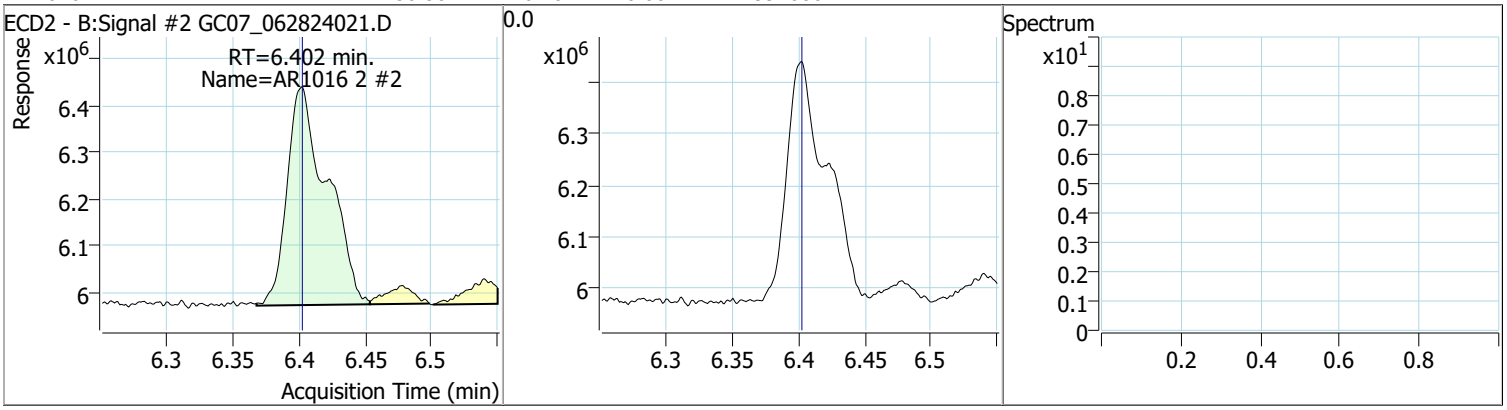
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.5238	5.96	0.00	454408				



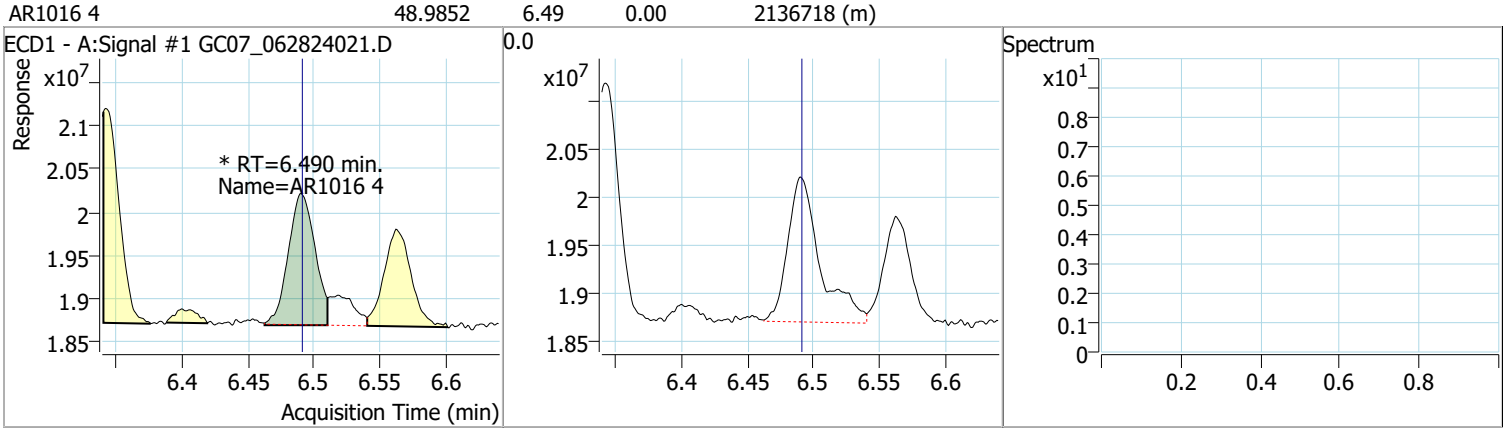
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.9376	6.34	0.00	3592956				



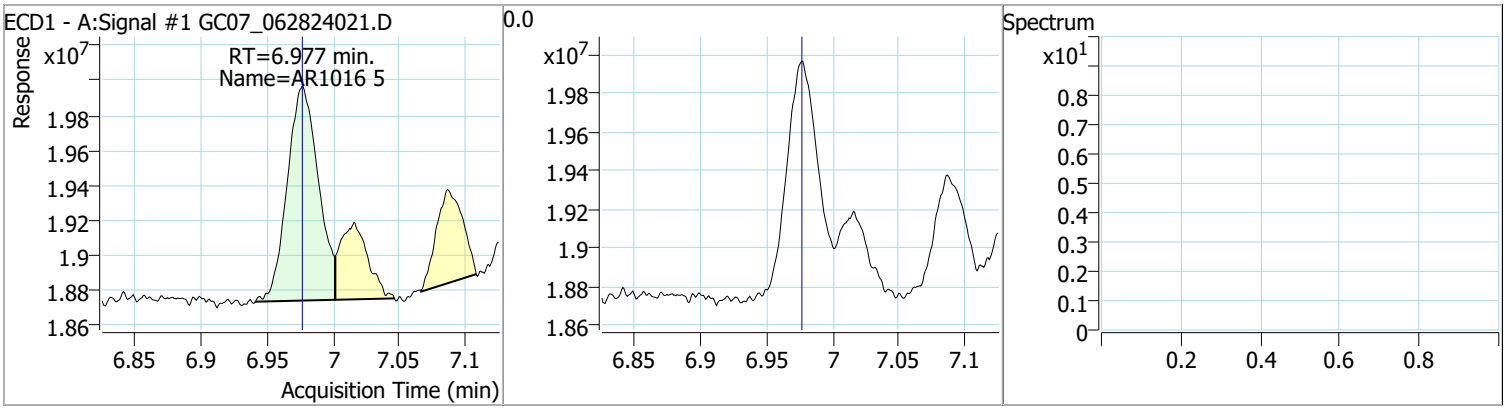
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5021	6.40	0.00	991080				



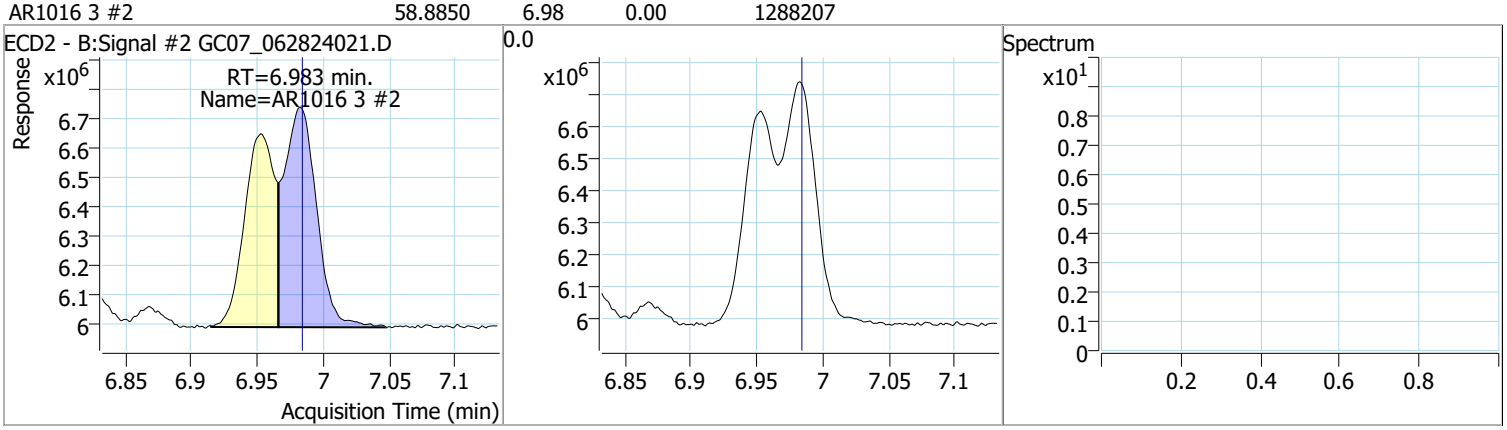
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	48.9852	6.49	0.00	2136718 (m)				



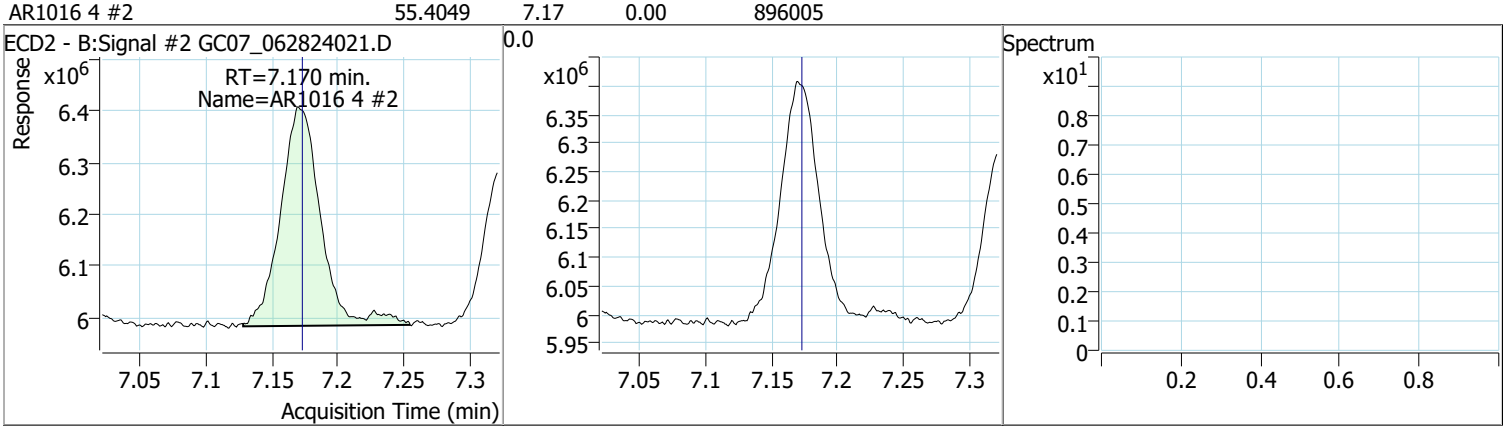
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.1055	6.98	0.00	1997825				



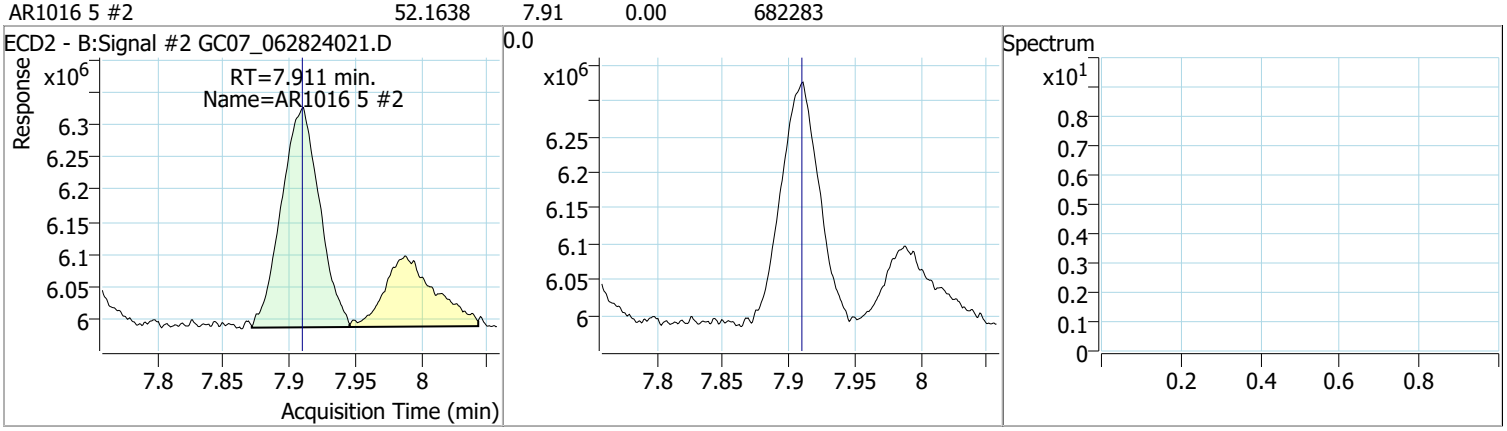
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AR1016 3 #2	58.8850	6.98	0.00	1288207				



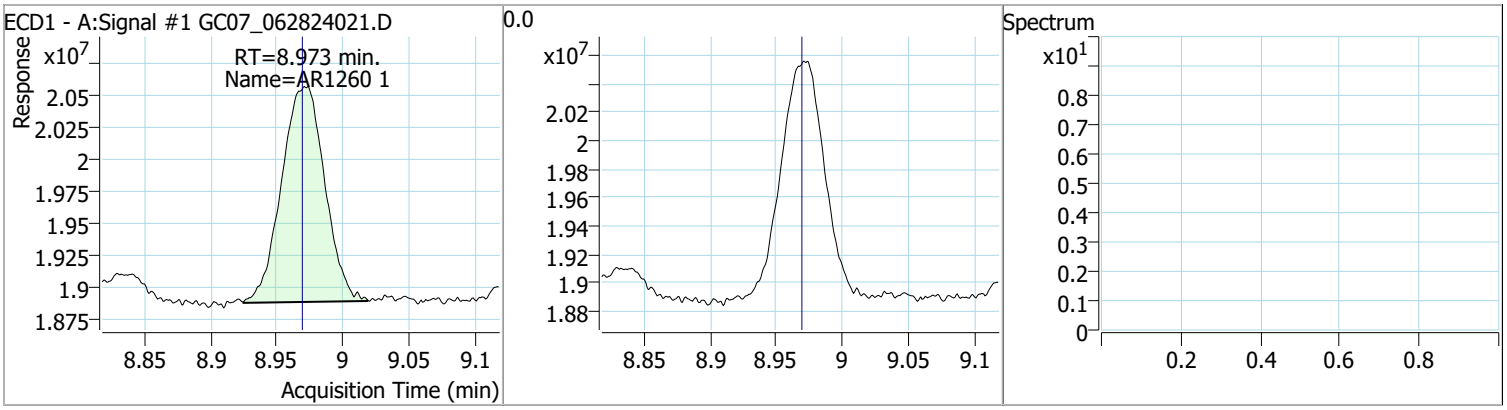
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	55.4049	7.17	0.00	896005				



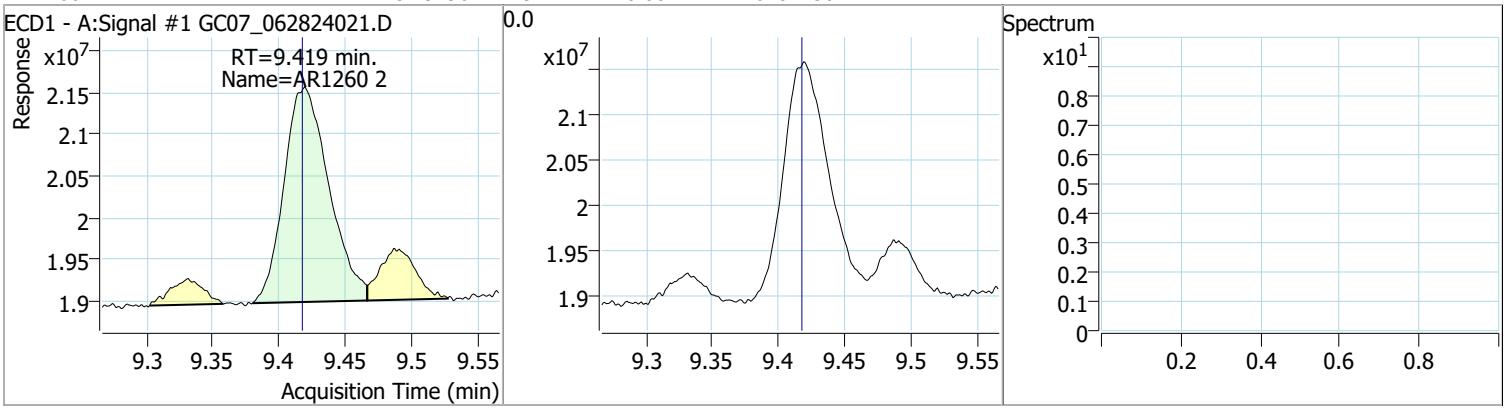
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	52.1638	7.91	0.00	682283				



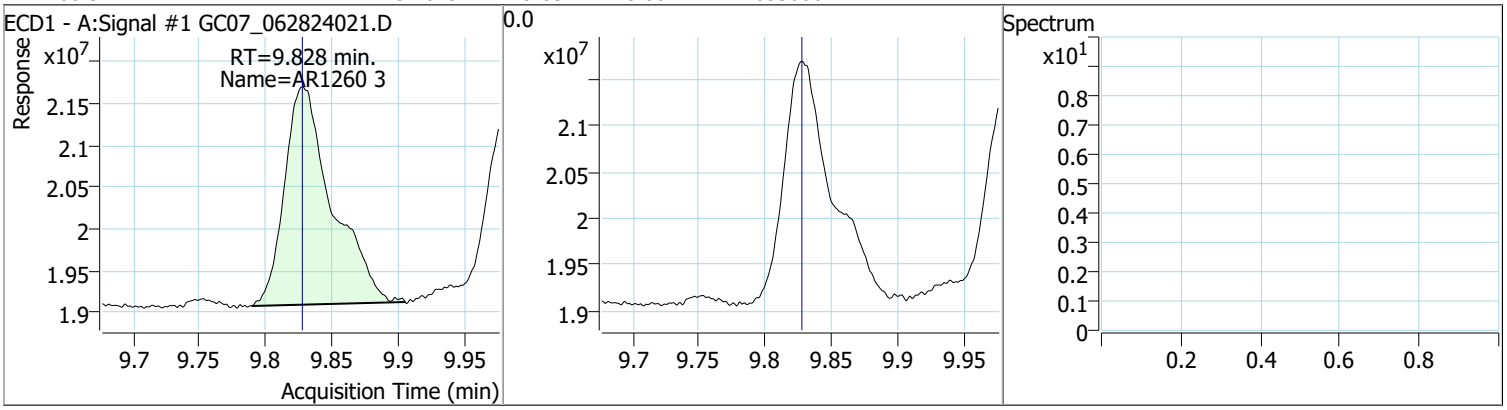
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	49.4359	8.97	0.01	3801550				



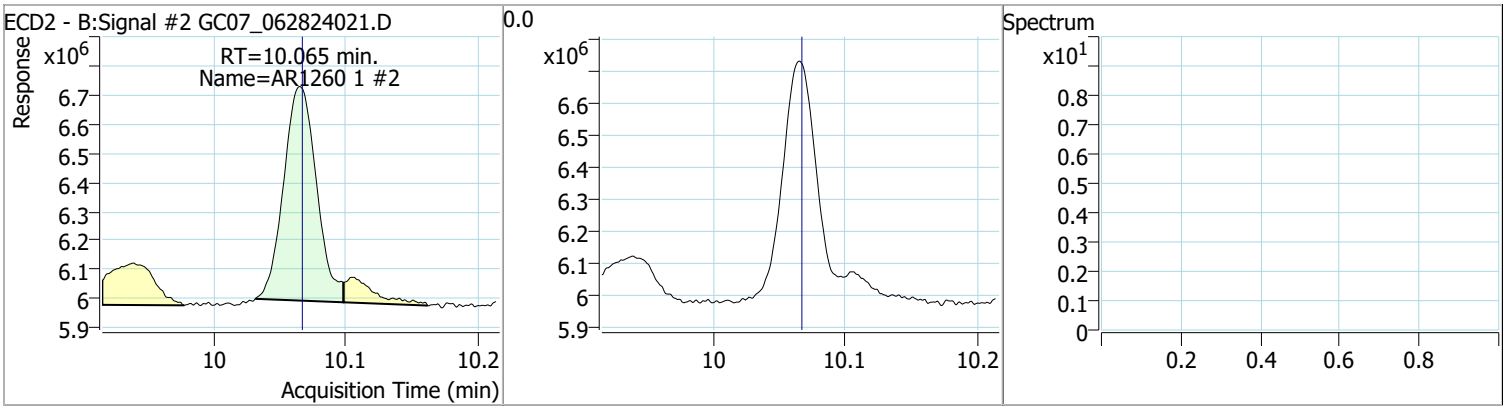
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	51.9790	9.42	0.00	6104750				



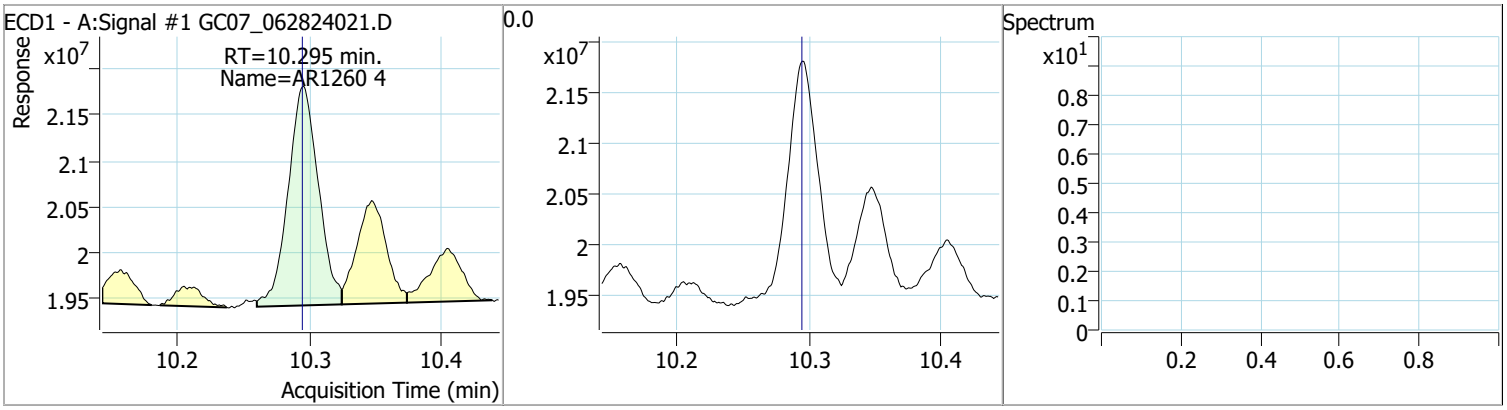
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	51.6757	9.83	0.00	6530062				



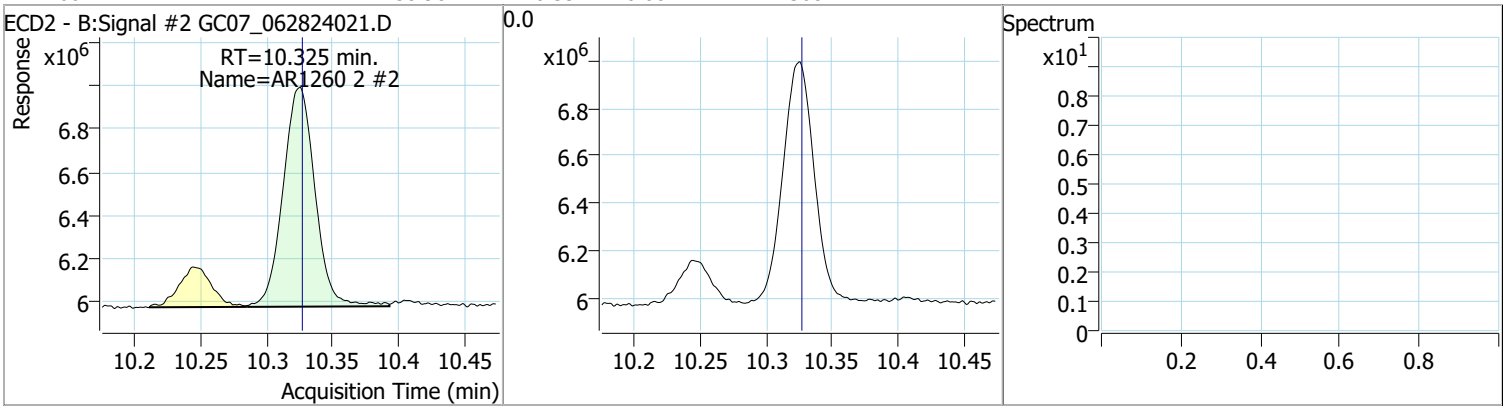
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.3770	10.07	0.00	1288208				



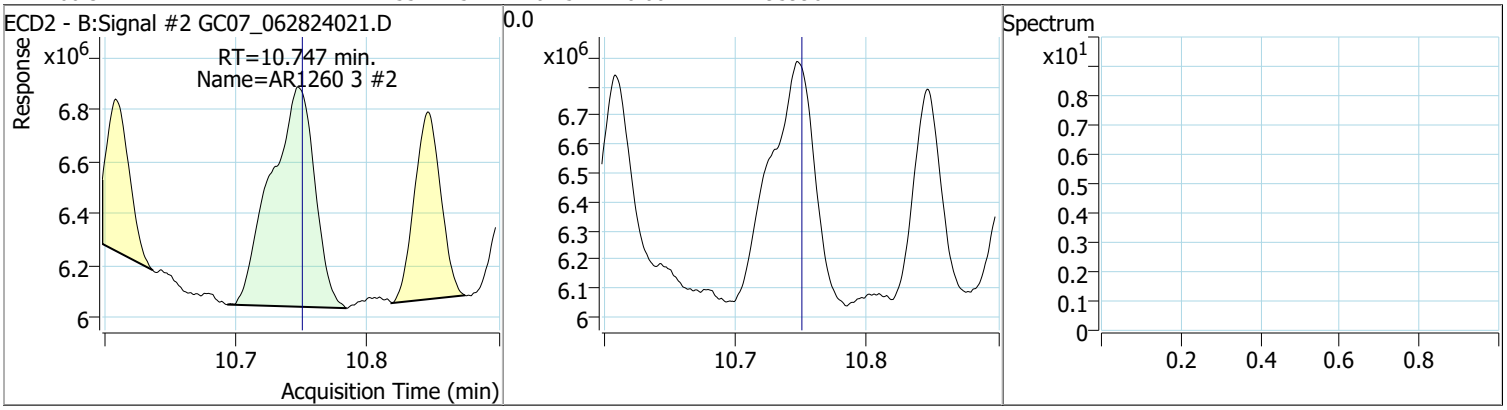
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.0934	10.30	0.00	3805769				



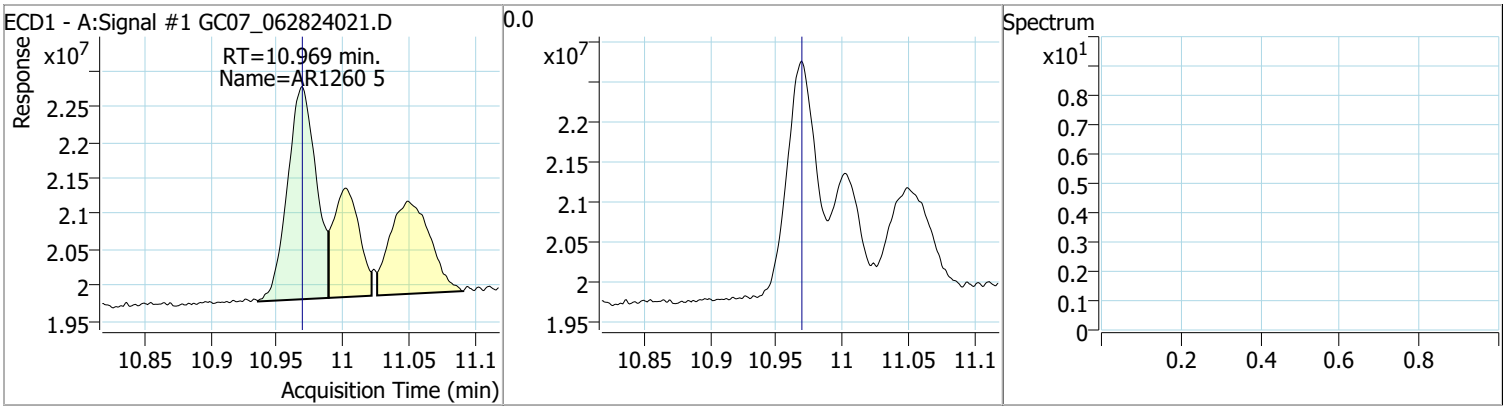
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.9821	10.33	0.00	1723687				



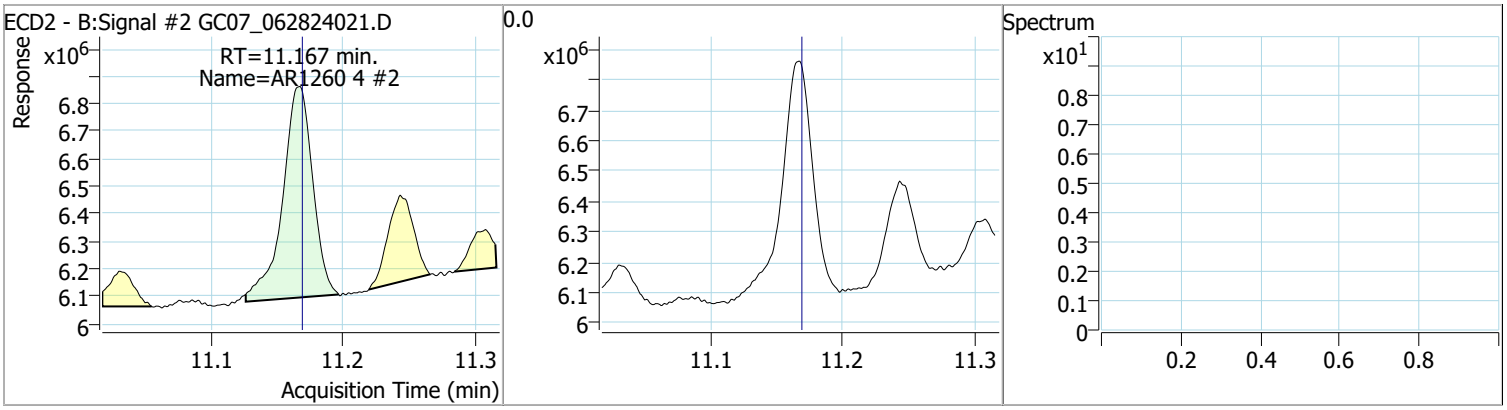
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.7175	10.75	0.00	1959961				



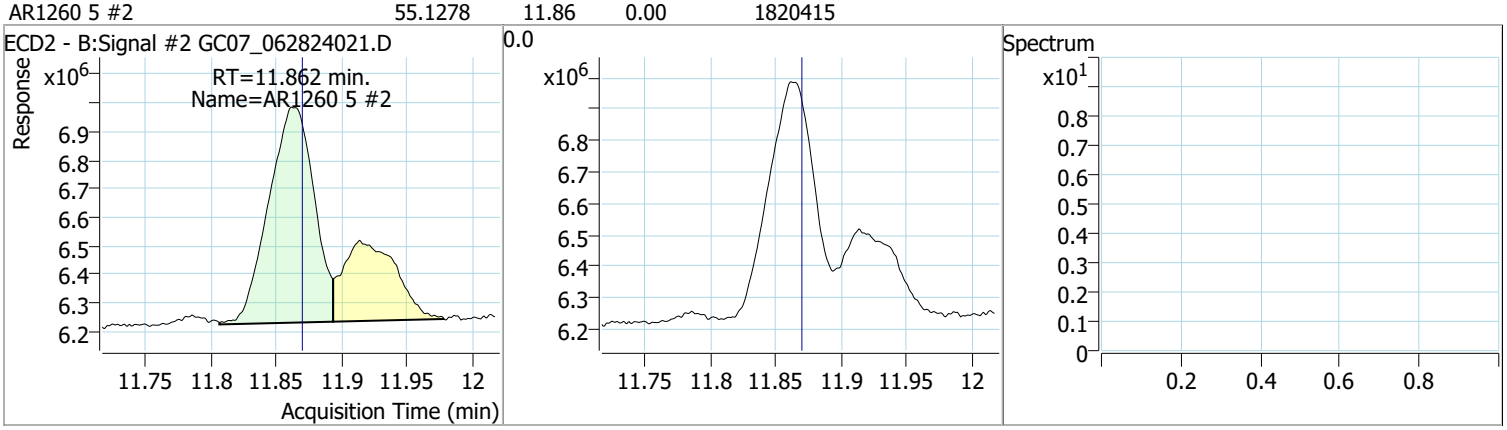
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	51.0885	10.97	0.00	4469358				



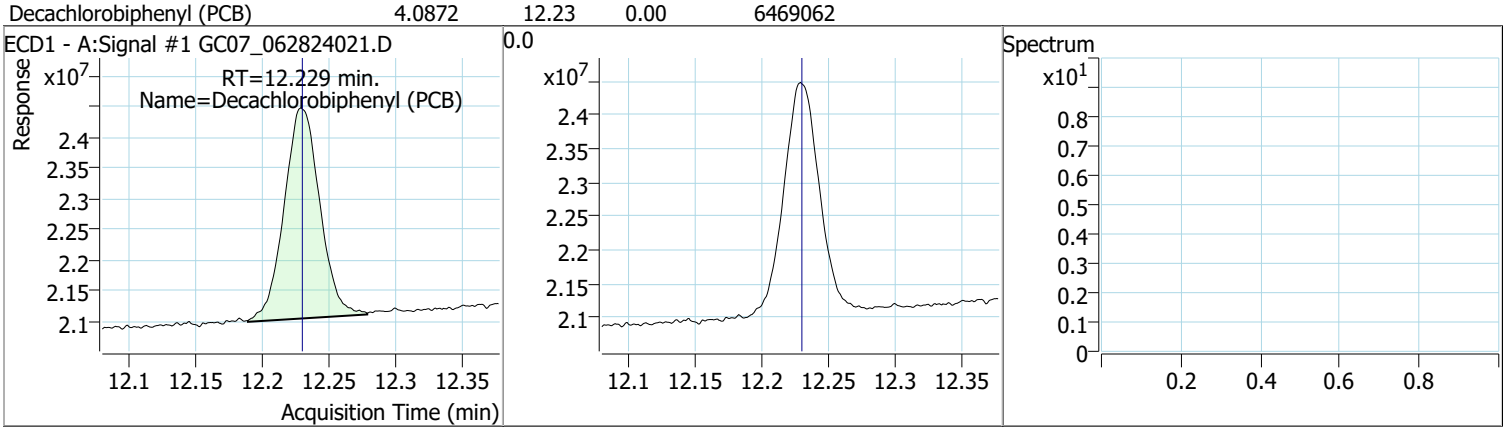
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	55.1232	11.17	0.00	1226115				



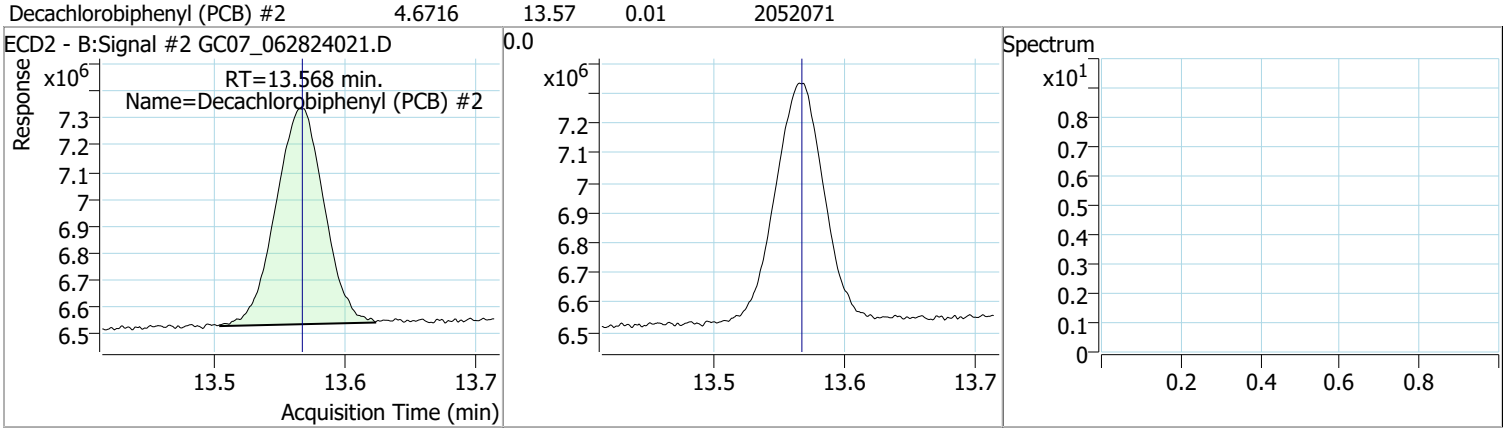
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.1278	11.86	0.00	1820415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0872	12.23	0.00	6469062				

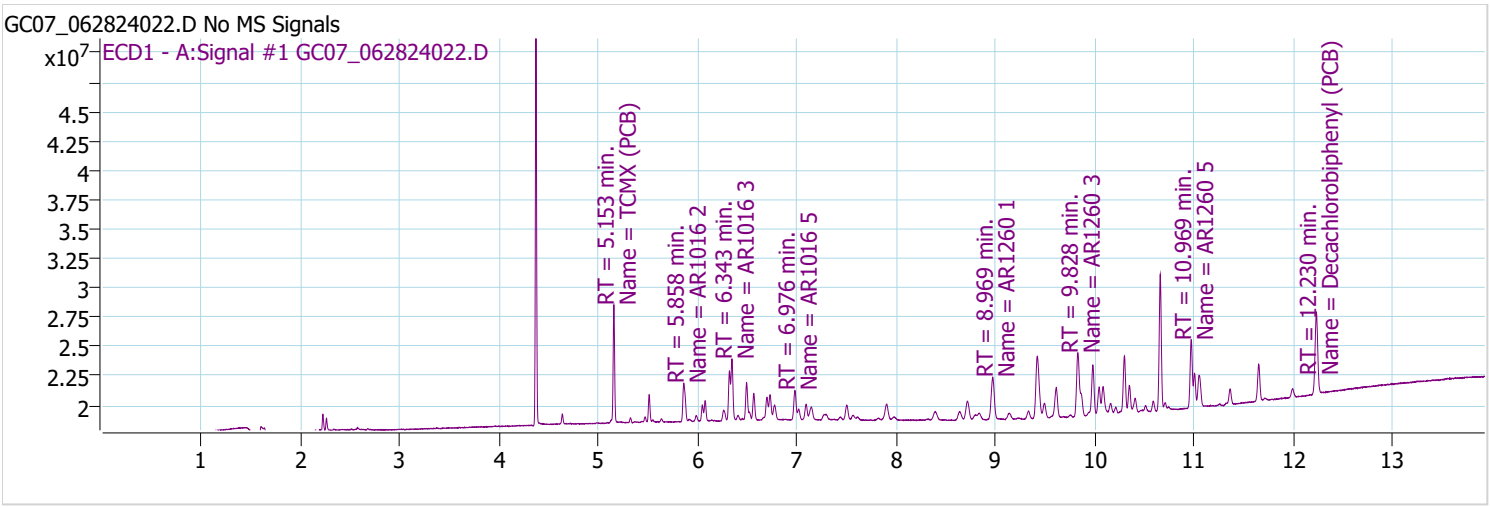


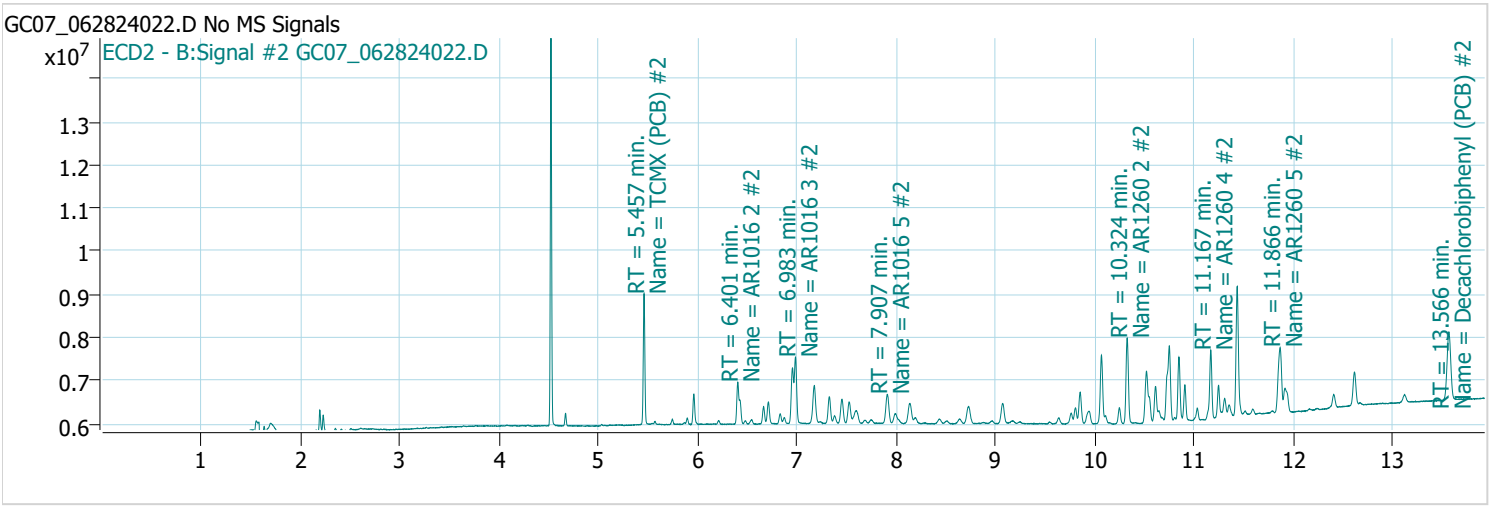
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.6716	13.57	0.01	2052071				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:38:40 PM
Sample Name	ICAL, S20885	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



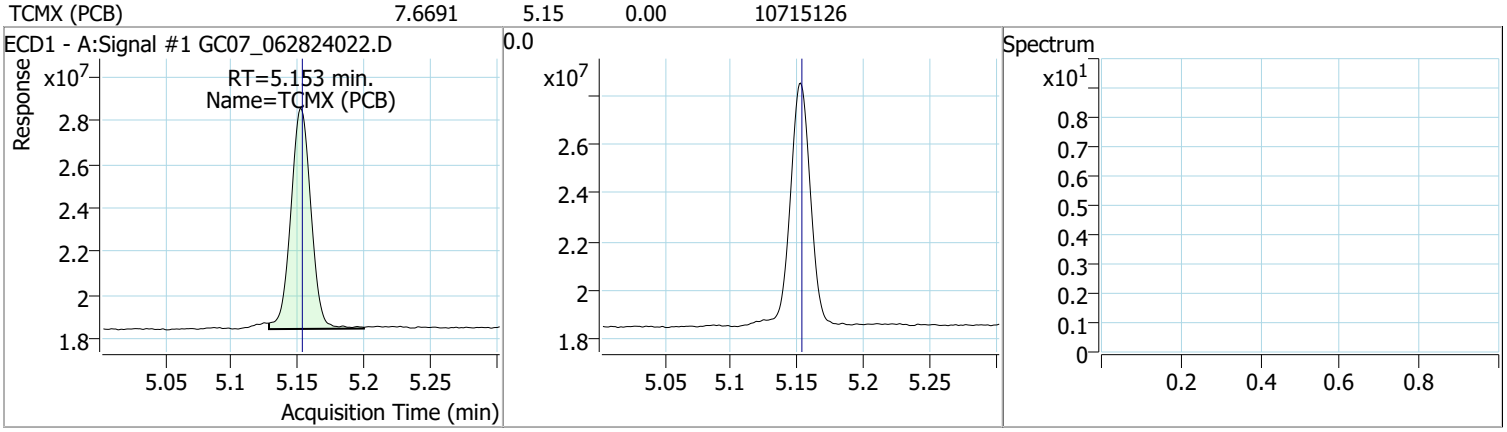


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	29826184.198	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8273172.510	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	10715126.470	7.6691	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.35%		*	
S TCMX (PCB) #2	5.457	0.0	3412297.177	8.5990	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.00%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	13361376.402	8.1252	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.63%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	4177022.833	9.2419	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.21%		*	
Target Compounds							QValue

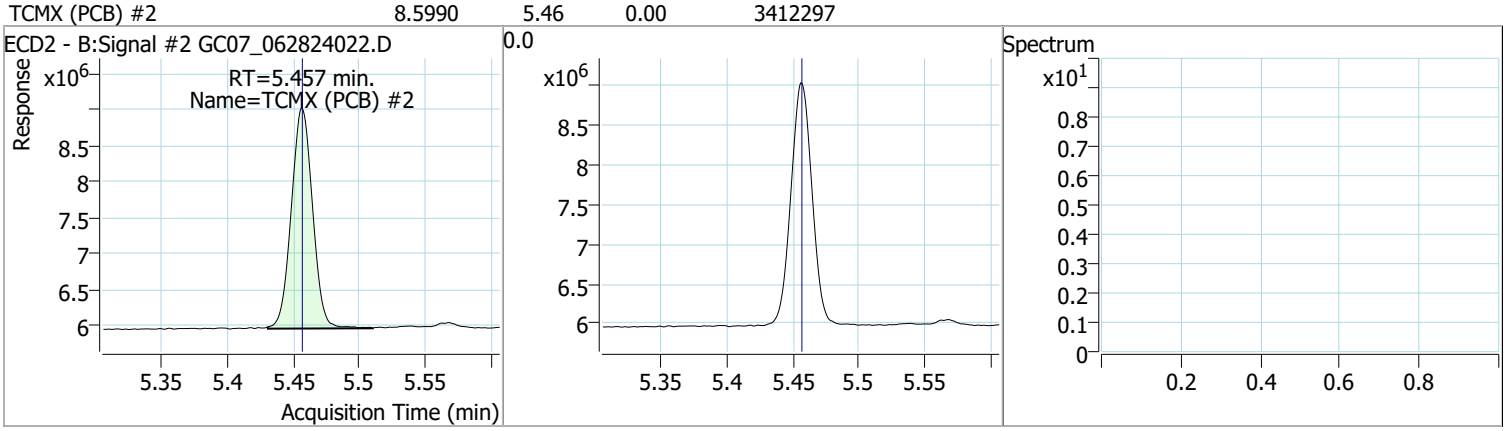
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	2657212.375	101.9225	ng/ml		100
T AR1016 2	5.858	0.0	5739080.003	105.9651	ng/ml		100
T AR1016 1 #2	5.958	0.0	929578.135	106.4167	ng/ml		100
T AR1016 3	6.343	0.0	7358025.992	108.2876	ng/ml		100
T AR1016 2 #2	6.401	0.0	2044379.549	113.2769	ng/ml		100
T AR1016 4	6.490	0.0	4469166.057	98.6152	ng/ml		100
T AR1016 5	6.976	0.0	4190423.642	105.1922	ng/ml		100
T AR1016 3 #2	6.983	0.0	2555167.746	113.5174	ng/ml		100
T AR1016 4 #2	7.173	0.0	1786552.414	107.3685	ng/ml		100
T AR1016 5 #2	7.907	0.0	1431090.872	106.3398	ng/ml		100
T AR1260 1	8.969	0.0	8092605.986	101.2907	ng/ml		100
T AR1260 2	9.419	0.0	12517533.348	102.5838	ng/ml		100
T AR1260 3	9.828	0.0	13459933.200	102.5207	ng/ml	m	100
T AR1260 1 #2	10.065	0.0	2794544.529	116.7556	ng/ml		100
T AR1260 4	10.297	0.0	7856018.380	103.5005	ng/ml		100
T AR1260 2 #2	10.324	0.0	3418547.712	113.6912	ng/ml		100
T AR1260 3 #2	10.749	0.0	4013258.360	110.8829	ng/ml		100
T AR1260 5	10.969	0.0	9133510.153	100.4884	ng/ml		100
T AR1260 4 #2	11.167	0.0	2572032.147	112.3837	ng/ml		100
T AR1260 5 #2	11.866	0.0	3668290.261	107.9662	ng/ml		100

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

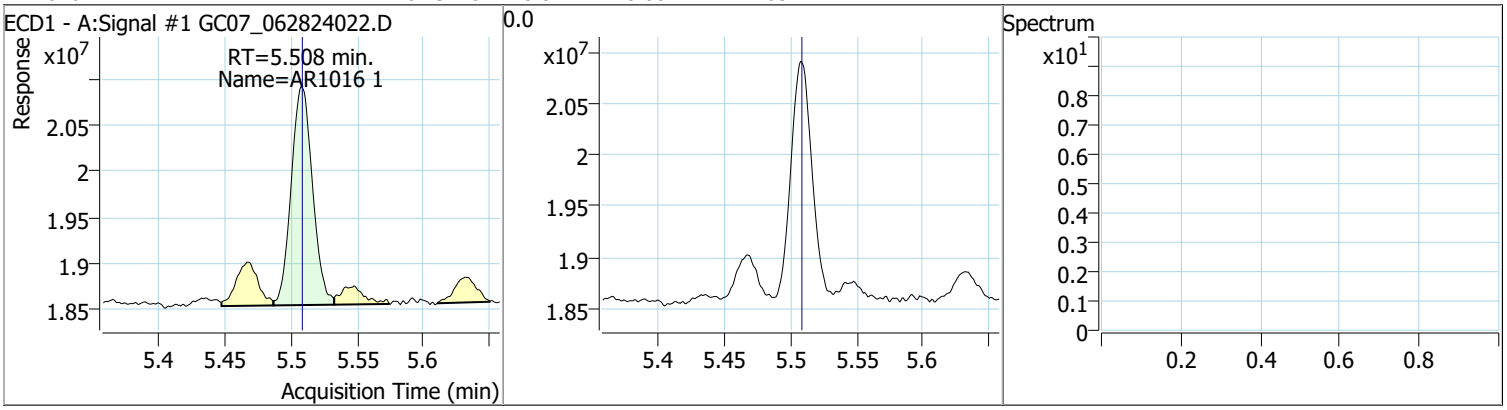
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.6691	5.15	0.00	10715126				



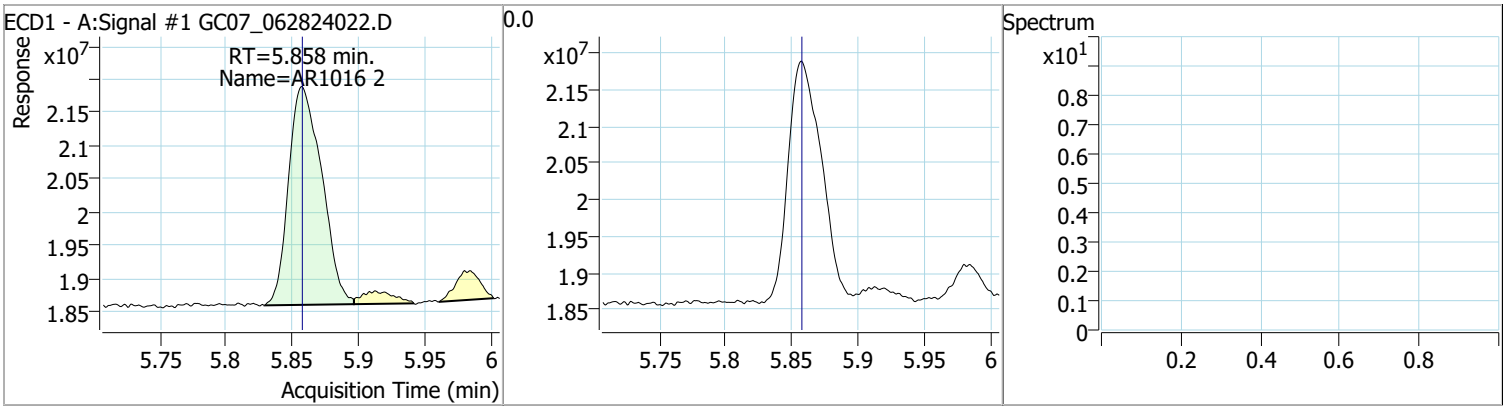
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.5990	5.46	0.00	3412297				



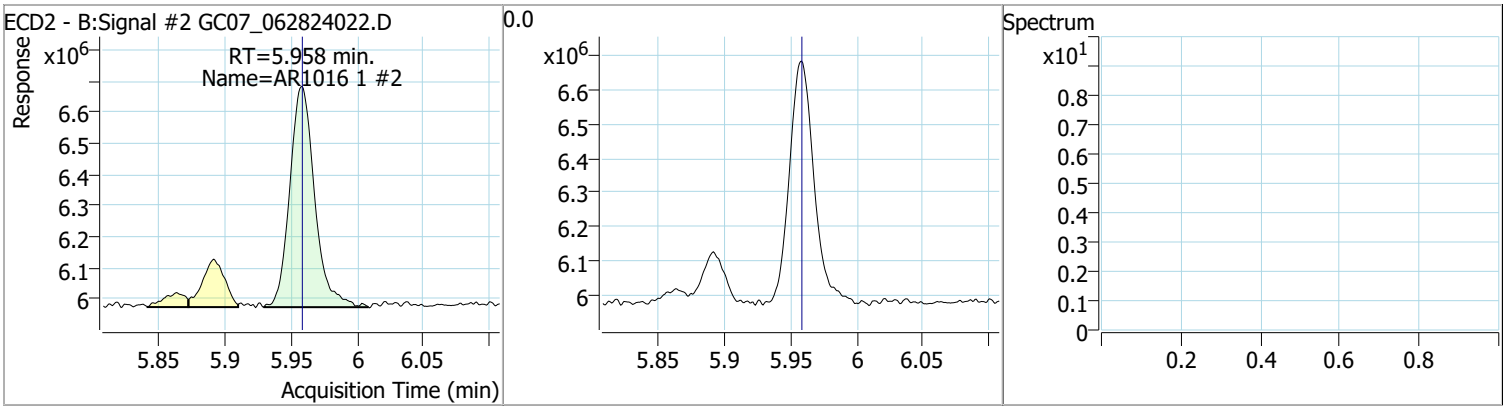
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	101.9225	5.51	0.00	2657212				



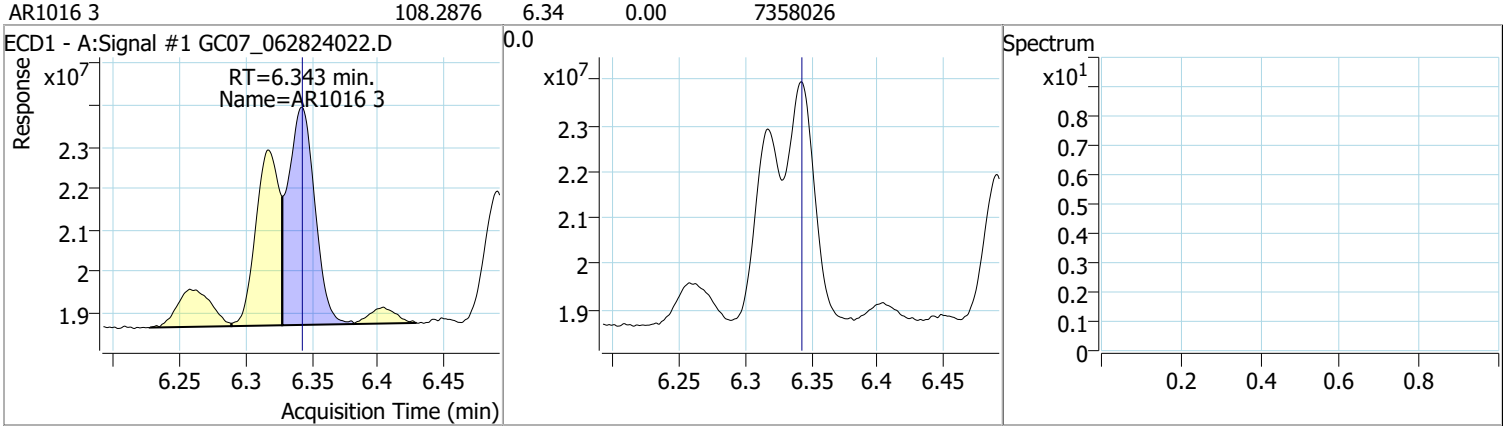
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.9651	5.86	0.00	5739080				



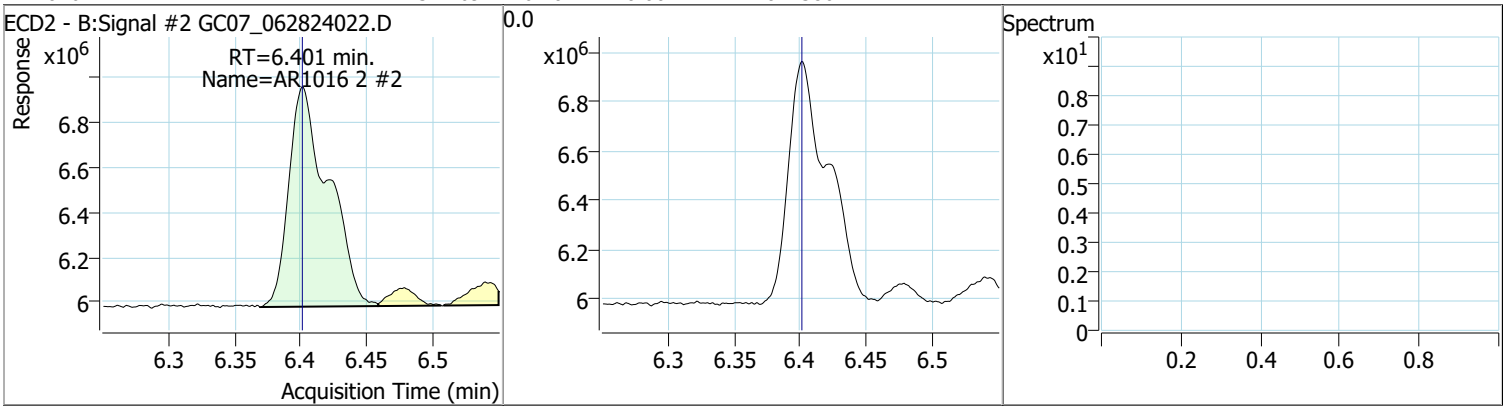
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.4167	5.96	0.00	929578				



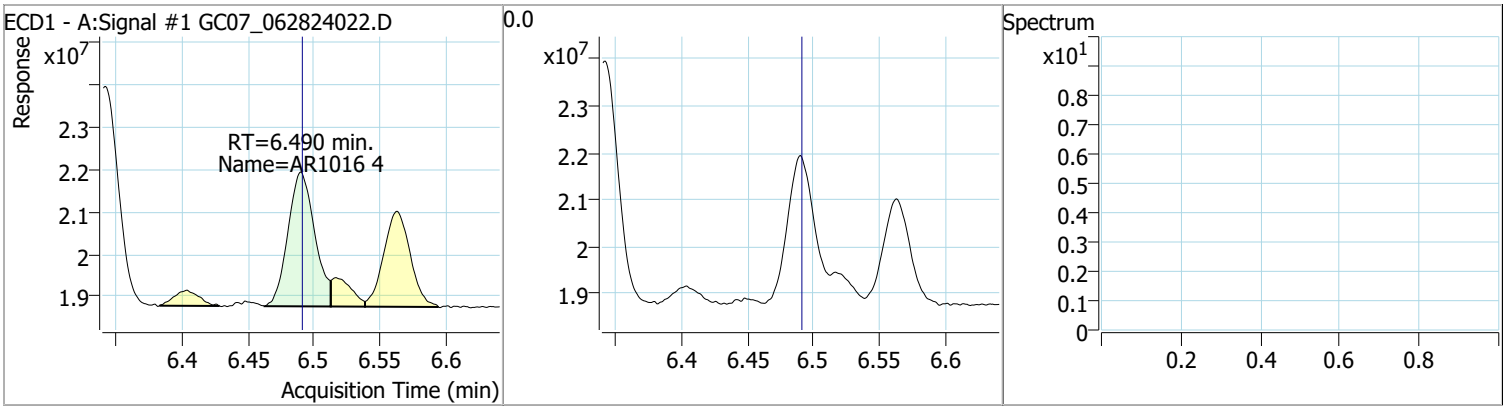
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.2876	6.34	0.00	7358026				



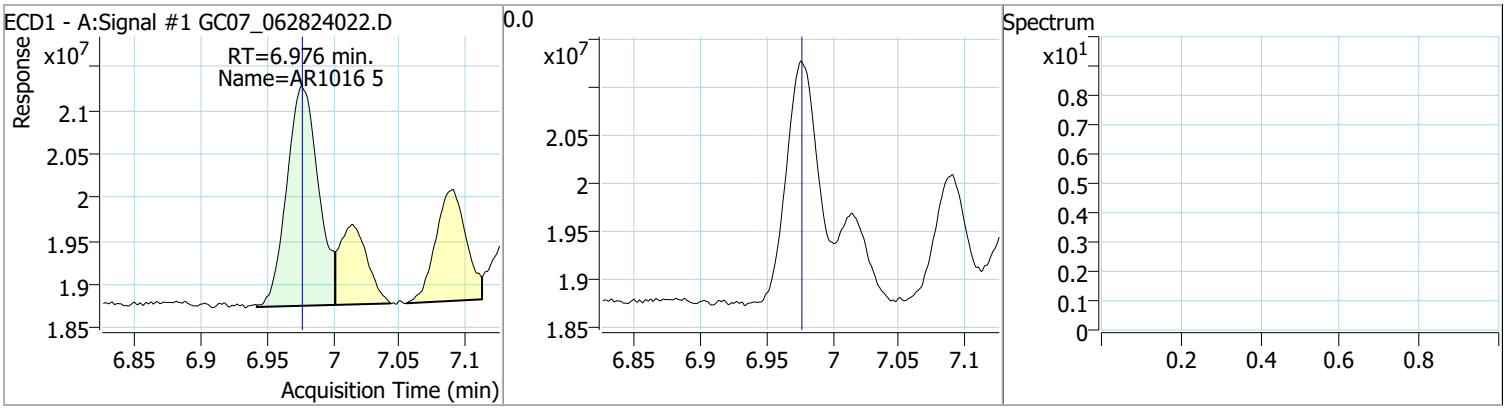
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	113.2769	6.40	0.00	2044380				



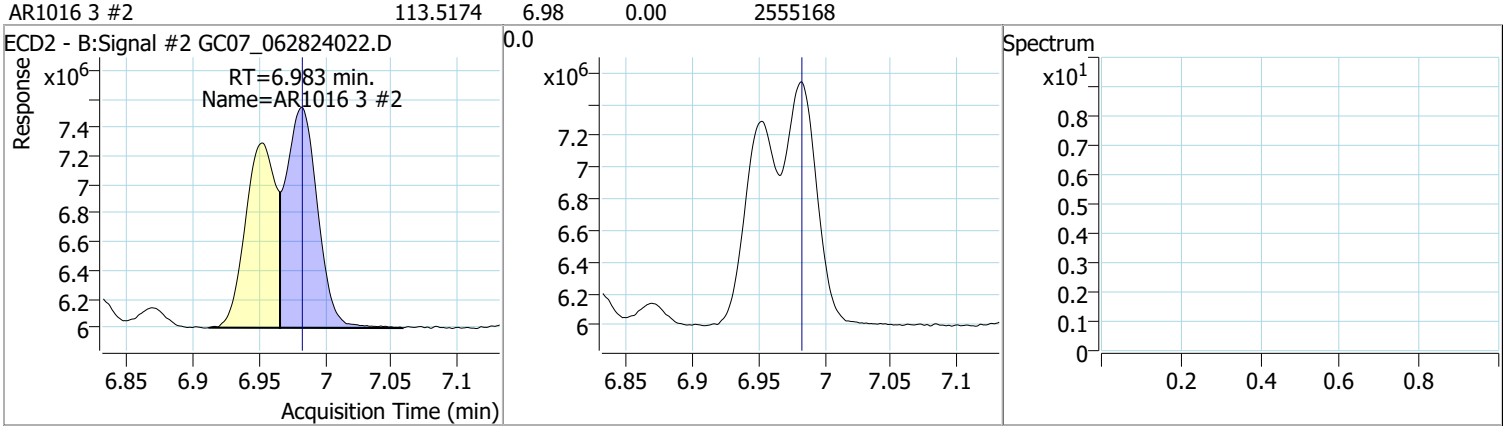
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	98.6152	6.49	0.00	4469166				



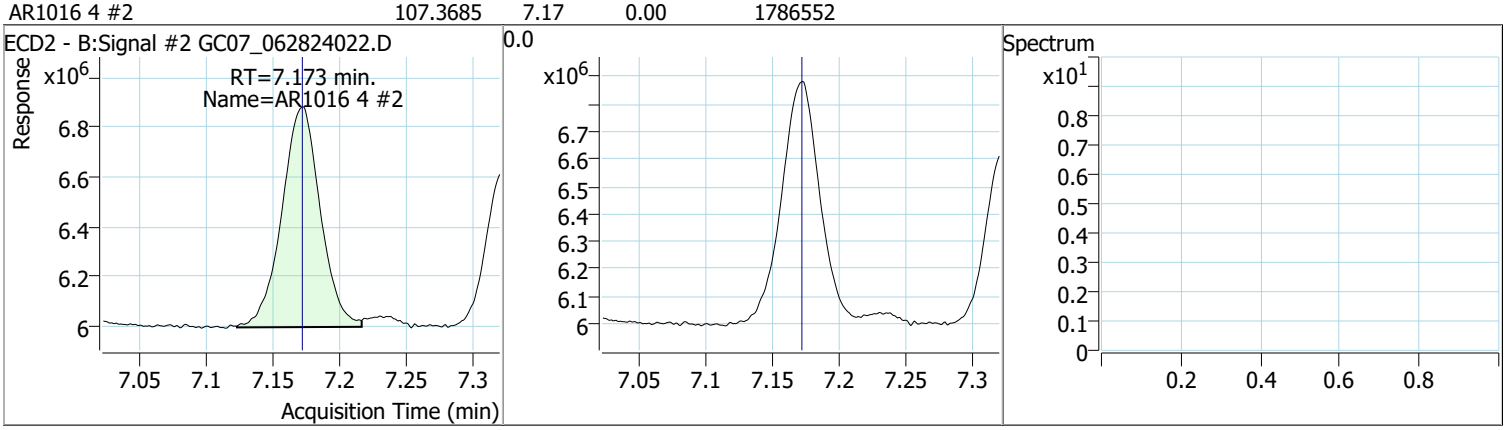
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.1922	6.98	0.00	4190424				



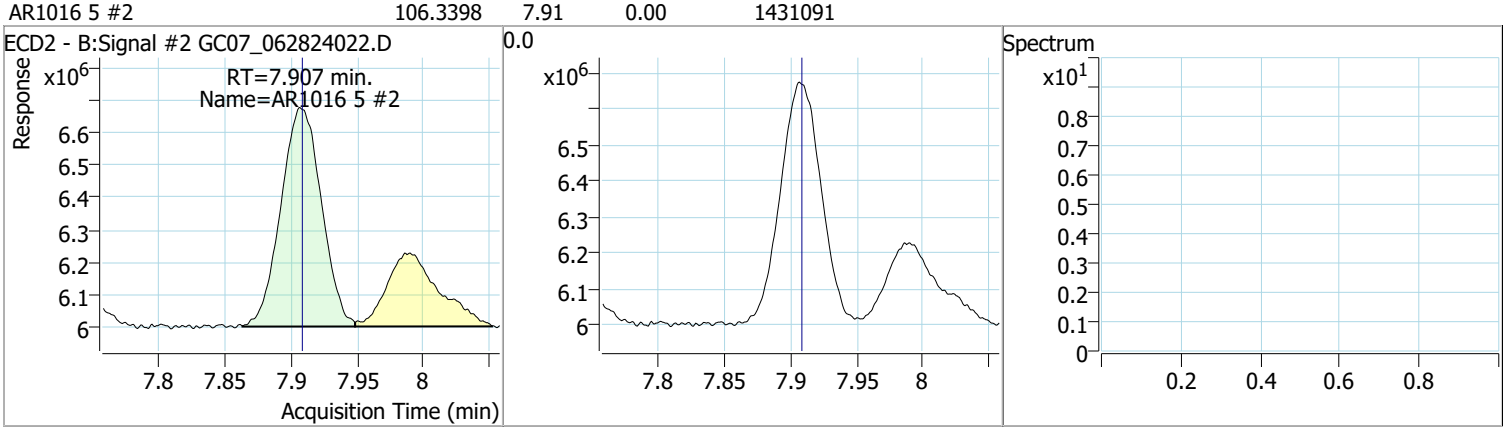
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	113.5174	6.98	0.00	2555168				



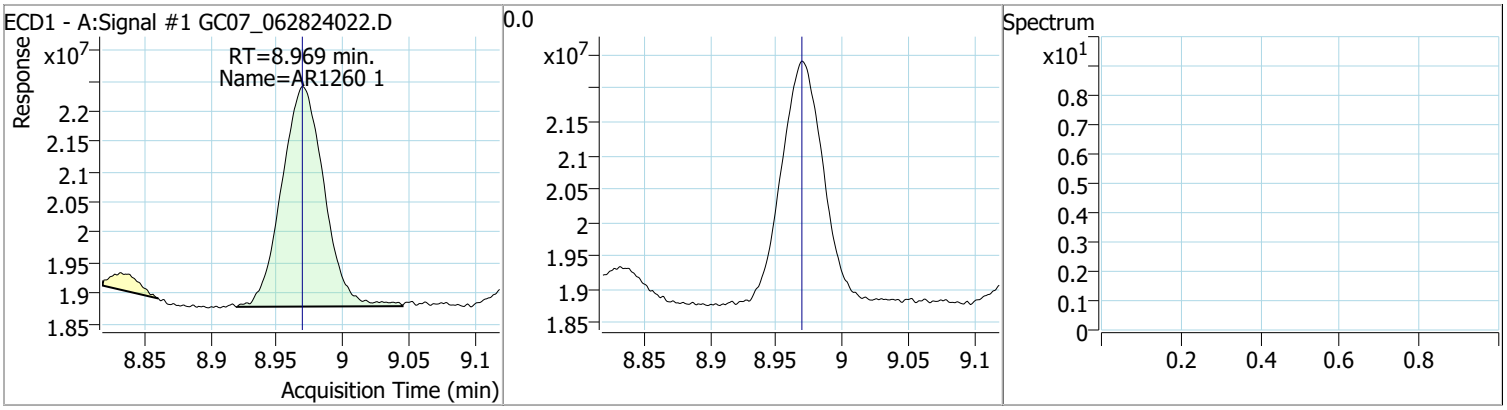
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	107.3685	7.17	0.00	1786552				



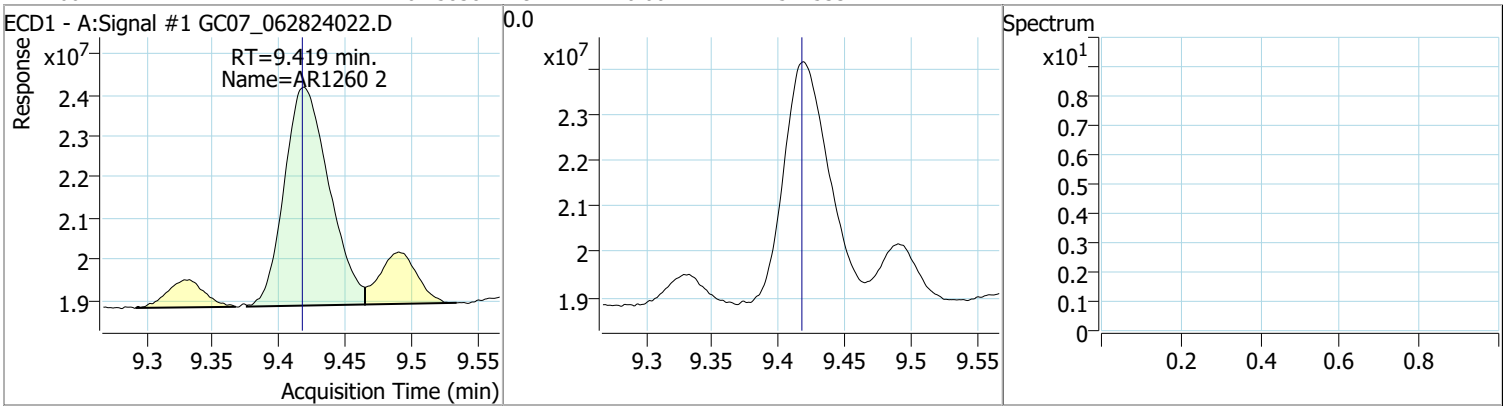
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.3398	7.91	0.00	1431091				



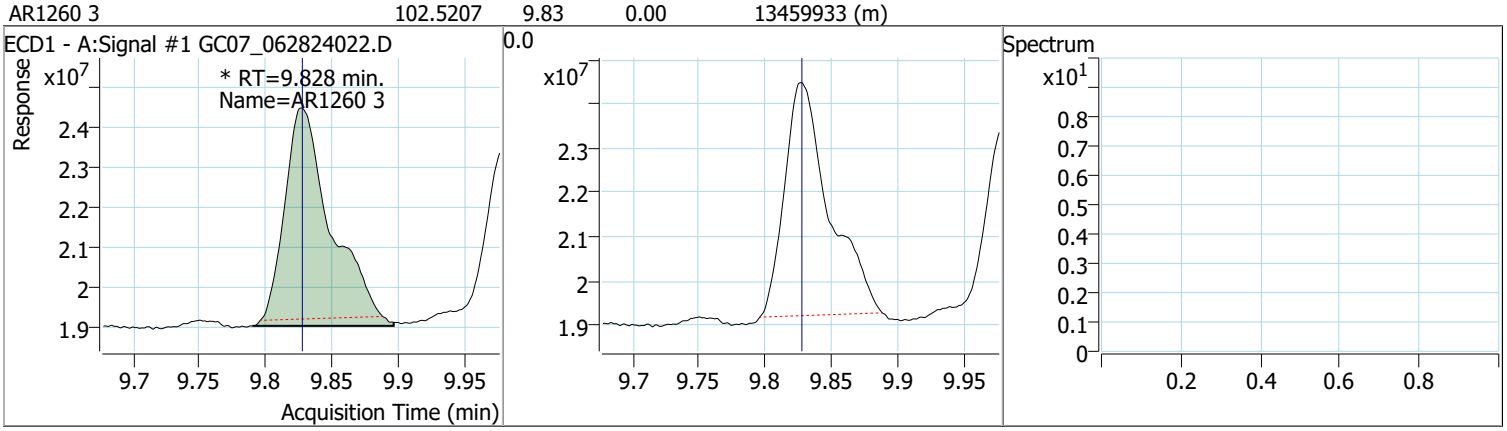
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	101.2907	8.97	0.00	8092606				



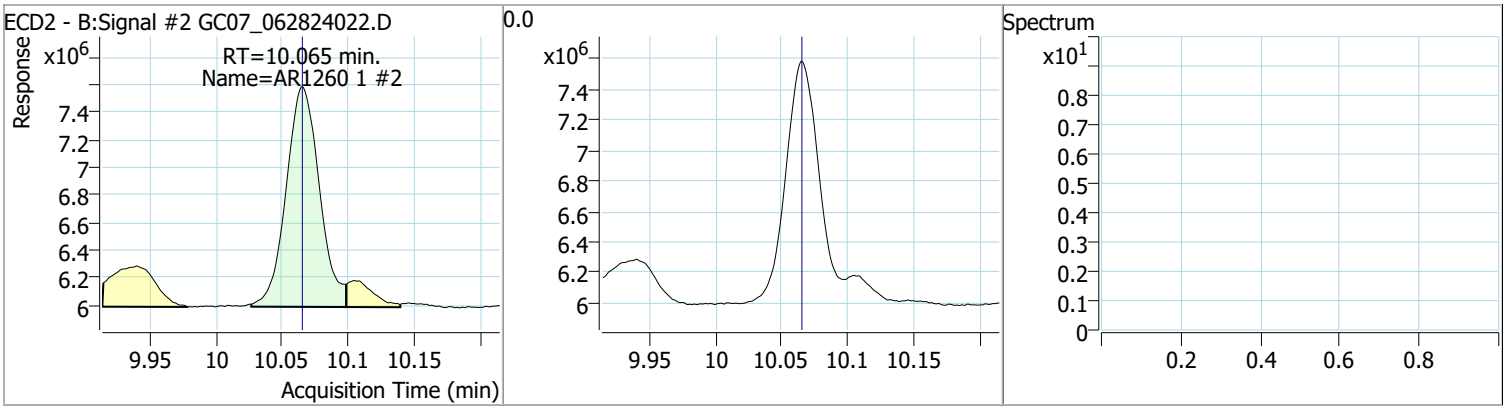
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	102.5838	9.42	0.00	12517533				



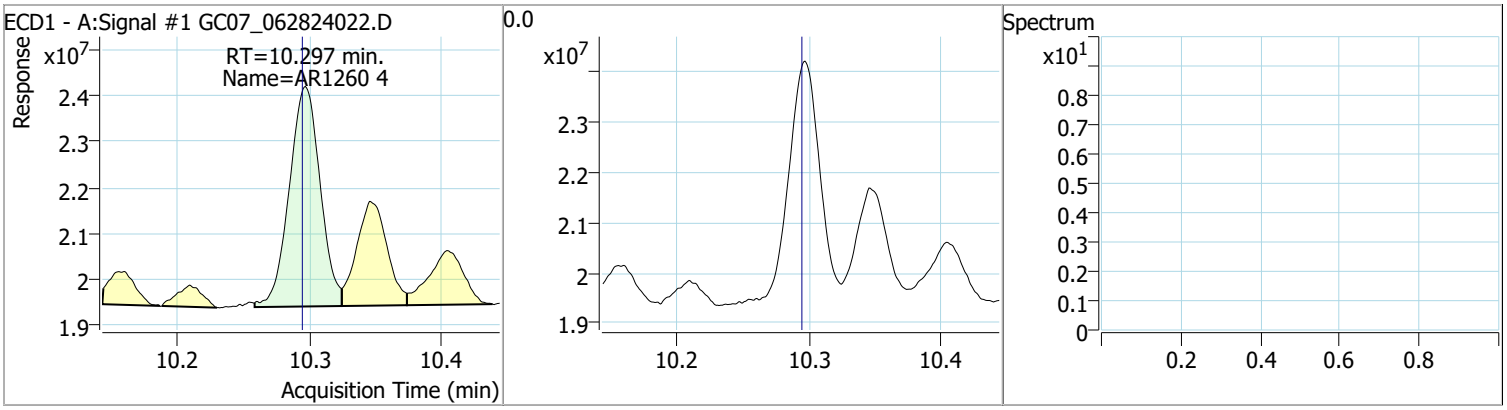
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	102.5207	9.83	0.00	13459933 (m)				



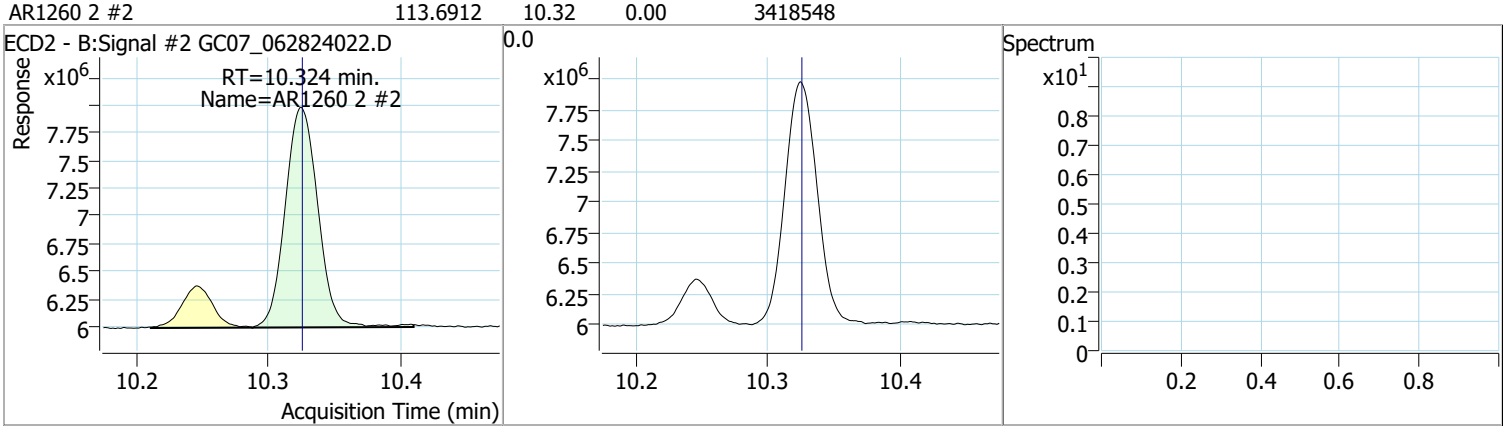
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	116.7556	10.07	0.00	2794545				



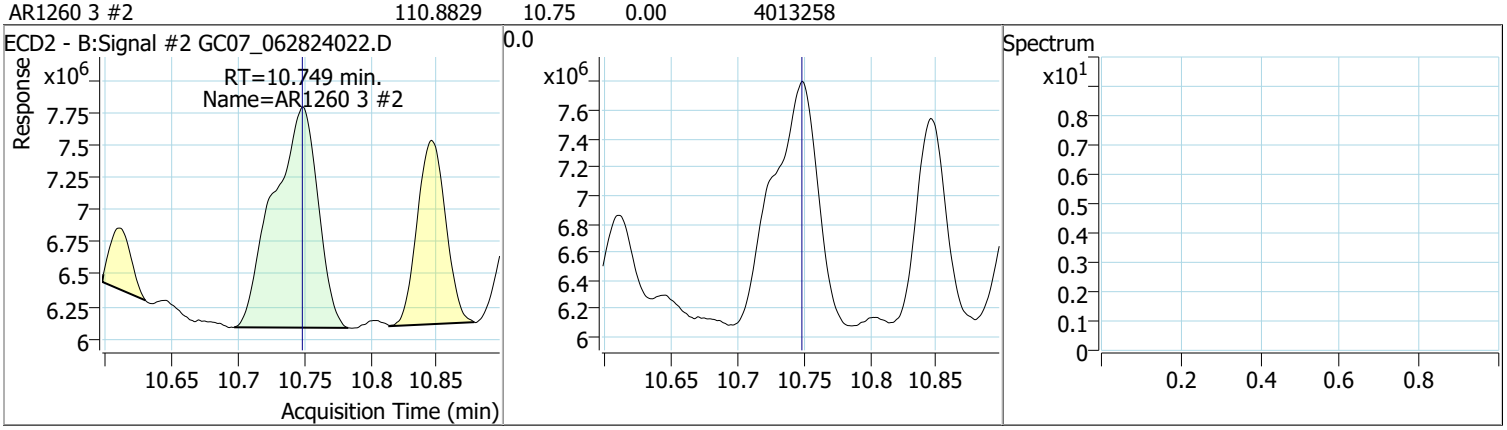
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.5005	10.30	0.00	7856018				



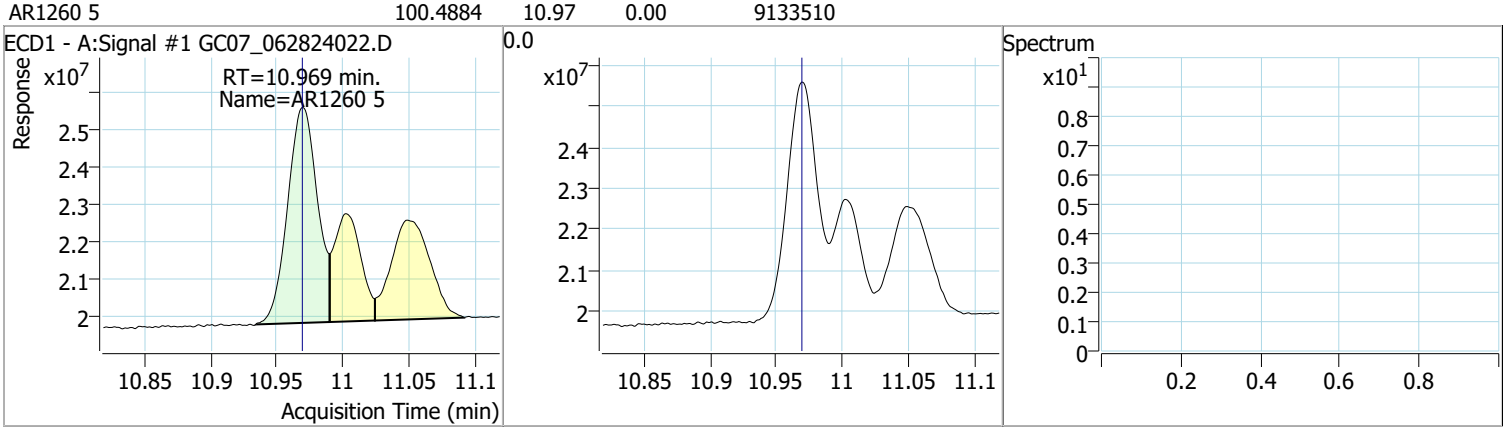
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	113.6912	10.32	0.00	3418548				



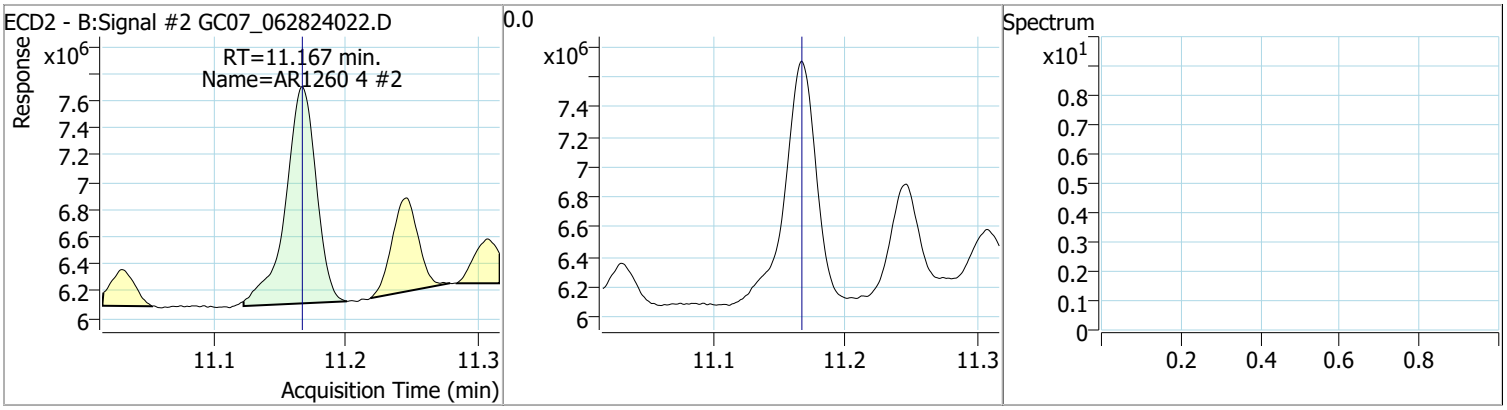
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	110.8829	10.75	0.00	4013258				



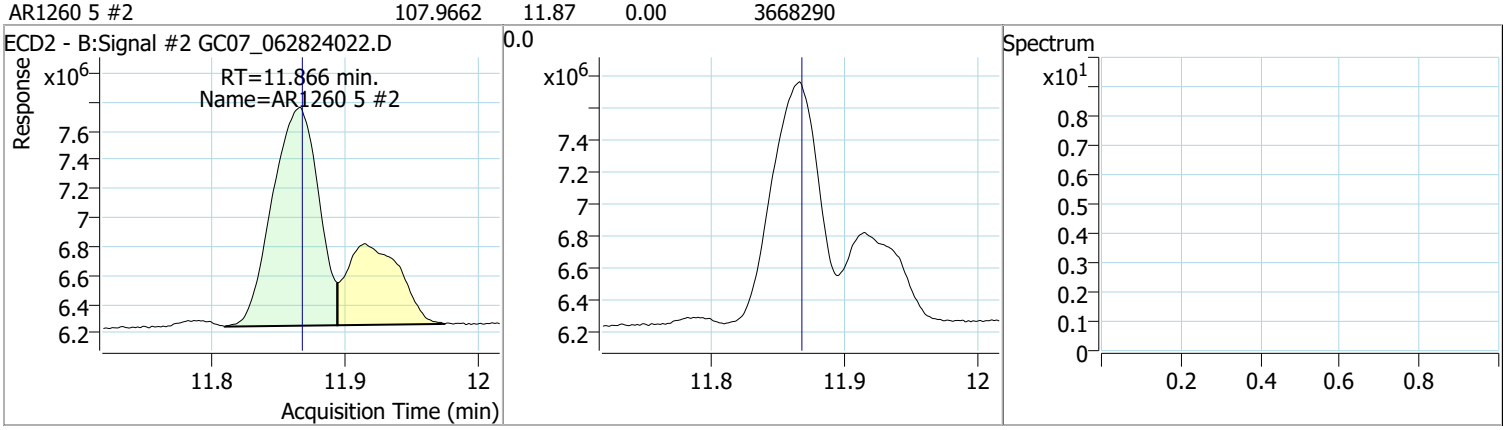
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	100.4884	10.97	0.00	9133510				



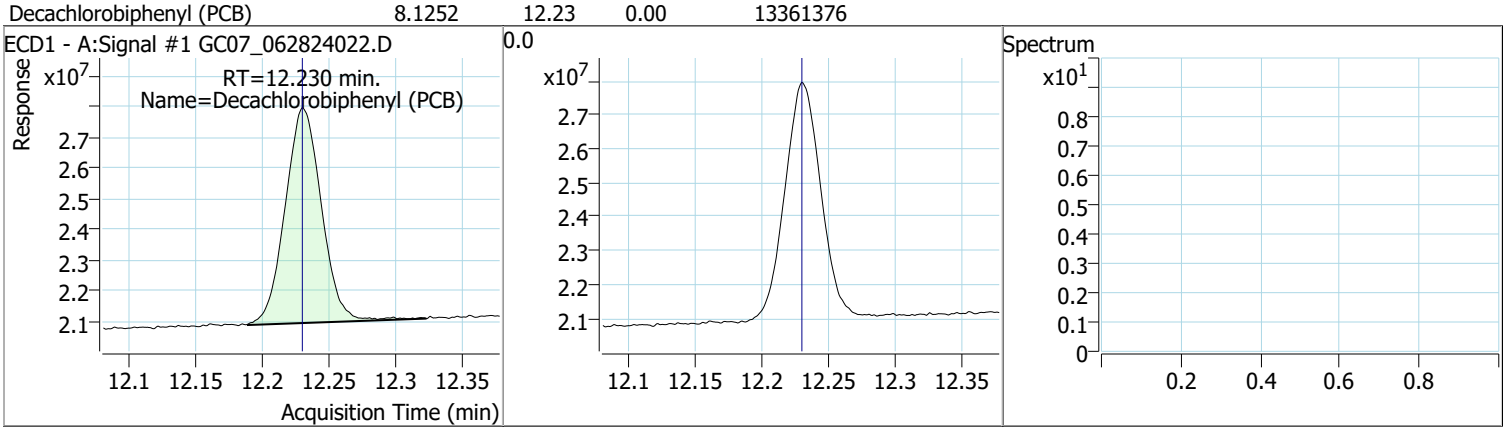
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.3837	11.17	0.00	2572032				



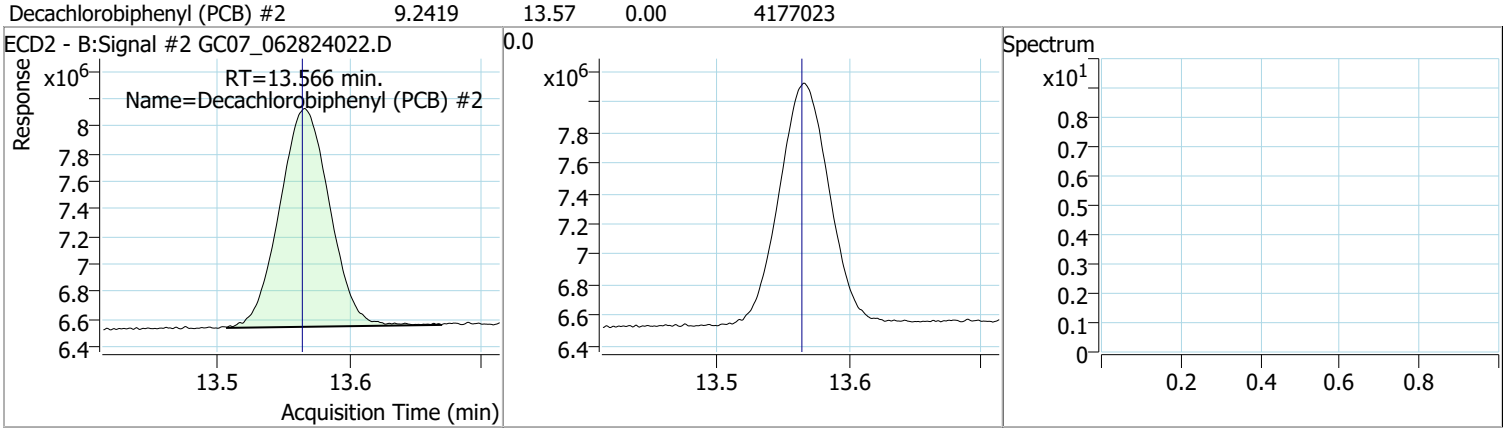
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.9662	11.87	0.00	3668290				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1252	12.23	0.00	13361376				

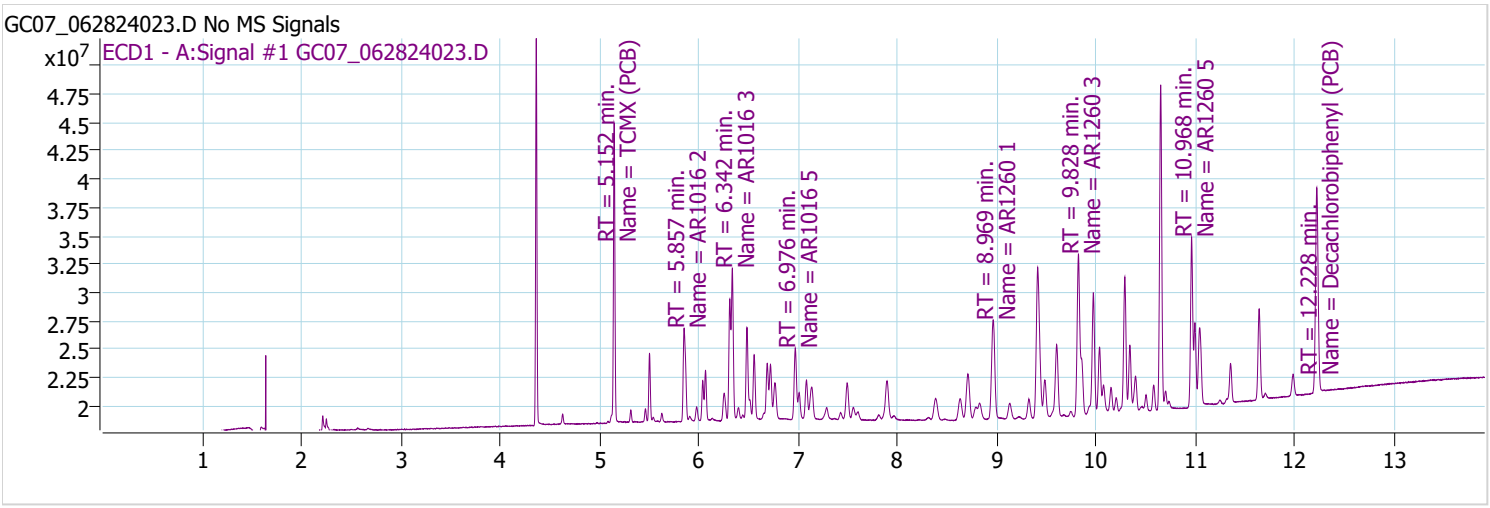


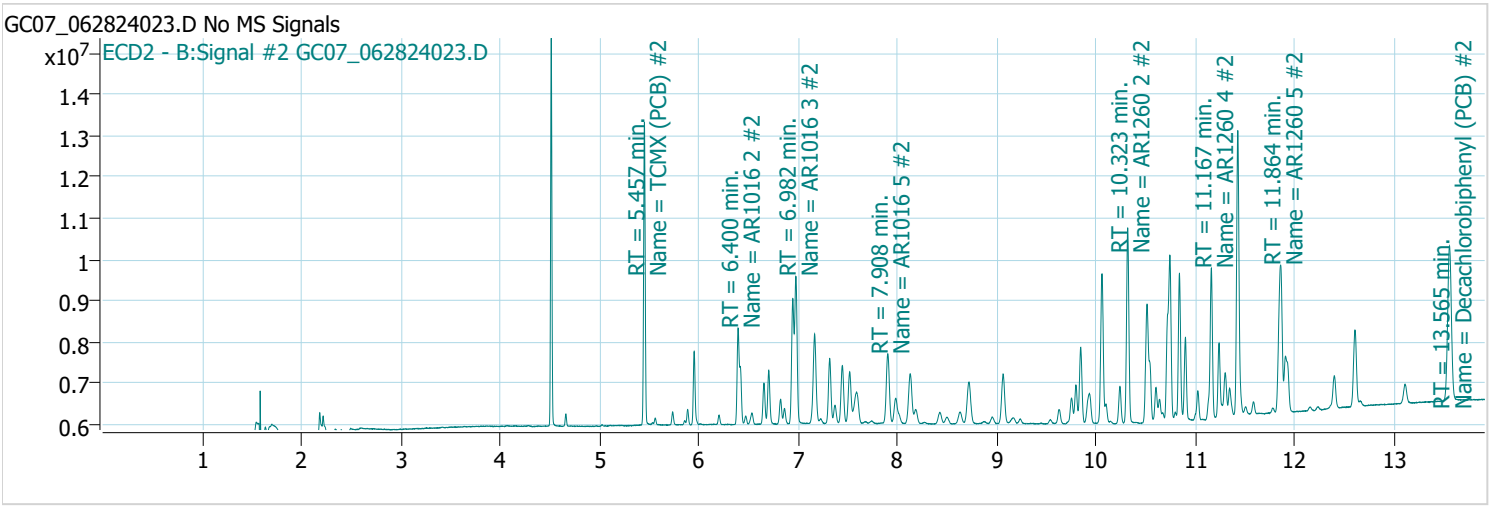
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.2419	13.57	0.00	4177023				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:56:00 PM
Sample Name	ICAL, S20886	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



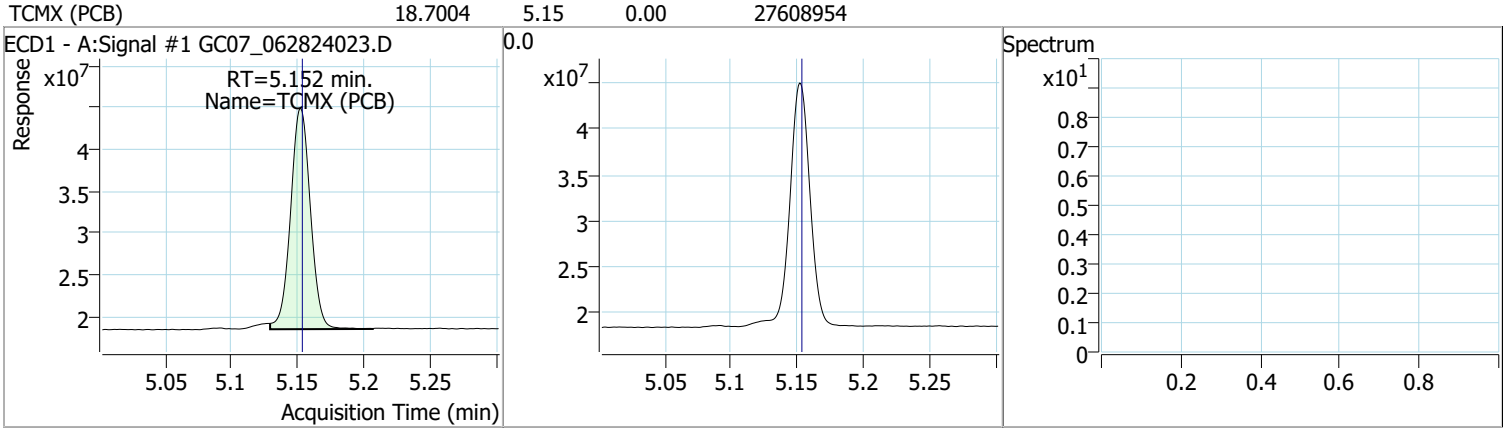


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31516744.949	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8706647.683	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.152	0.0	27608953.925	18.7004	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.50%		
S TCMX (PCB) #2	5.457	0.0	8294986.508	19.8628	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.31%		
S Decachlorobiphenyl (PCB)	12.228	0.0	33725109.800	19.4084	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.04%		
S Decachlorobiphenyl (PCB) #2	13.565	0.0	9967762.798	20.9563	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		
Target Compounds						QValue

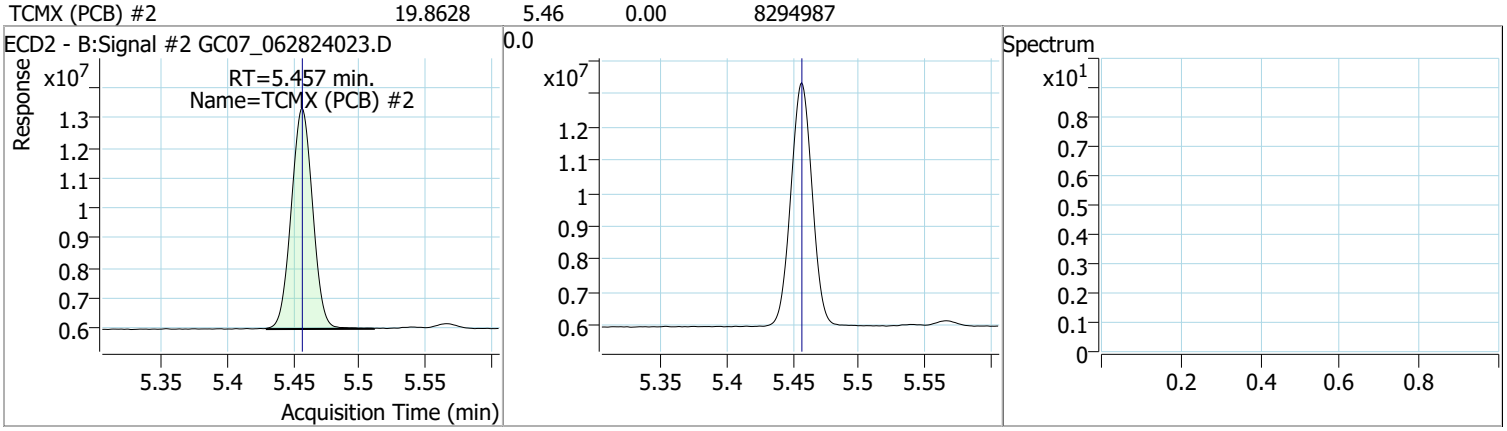
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	6712192.610	243.6488	ng/ml		100
T AR1016 2	5.857	0.0	14250498.409	249.0043	ng/ml		100
T AR1016 1 #2	5.958	0.0	2323840.604	252.7851	ng/ml		100
T AR1016 3	6.342	0.0	17918366.850	249.5585	ng/ml		100
T AR1016 2 #2	6.400	0.0	5008145.479	263.6804	ng/ml		100
T AR1016 4	6.489	0.0	11491489.665	239.9662	ng/ml	m	100
T AR1016 5	6.976	0.0	10438984.181	247.9935	ng/ml		100
T AR1016 3 #2	6.982	0.0	6112061.267	258.0191	ng/ml		100
T AR1016 4 #2	7.171	0.0	4463261.982	254.8793	ng/ml		100
T AR1016 5 #2	7.908	0.0	3656086.320	258.1464	ng/ml		100
T AR1260 1	8.969	0.0	19845618.595	235.0727	ng/ml		100
T AR1260 2	9.418	0.0	30959966.163	240.1138	ng/ml		100
T AR1260 3	9.828	0.0	33635868.400	242.4531	ng/ml	m	100
T AR1260 1 #2	10.065	0.0	6539148.105	259.6026	ng/ml		100
T AR1260 4	10.295	0.0	19650501.043	245.0021	ng/ml		100
T AR1260 2 #2	10.323	0.0	7907548.739	249.8895	ng/ml		100
T AR1260 3 #2	10.748	0.0	9518789.508	249.9024	ng/ml		100
T AR1260 5	10.968	0.0	22933282.020	238.7815	ng/ml		100
T AR1260 4 #2	11.167	0.0	6190347.735	257.0178	ng/ml		100
T AR1260 5 #2	11.864	0.0	8834908.385	247.0855	ng/ml		100

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

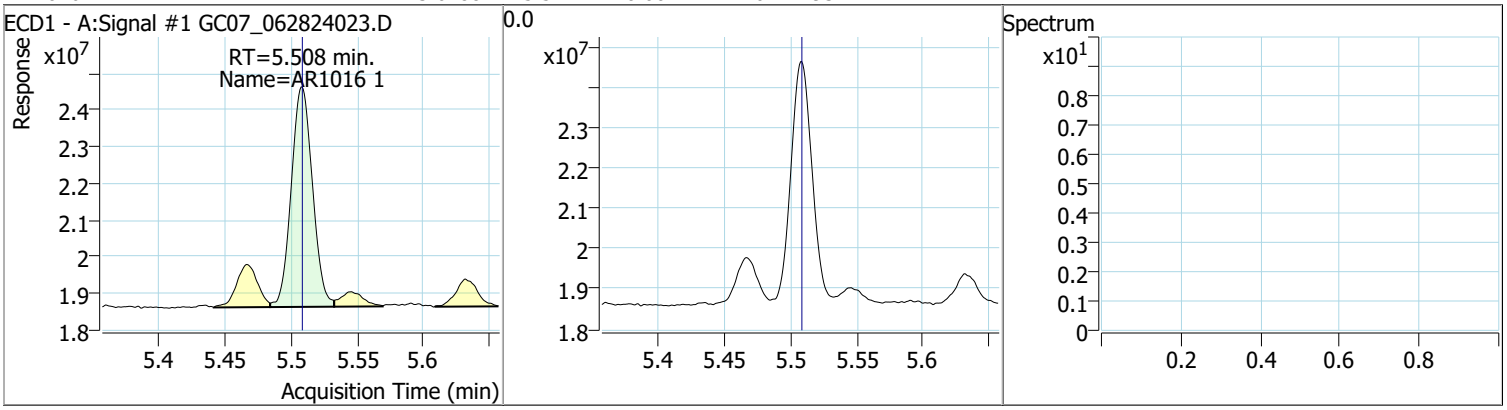
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7004	5.15	0.00	27608954				



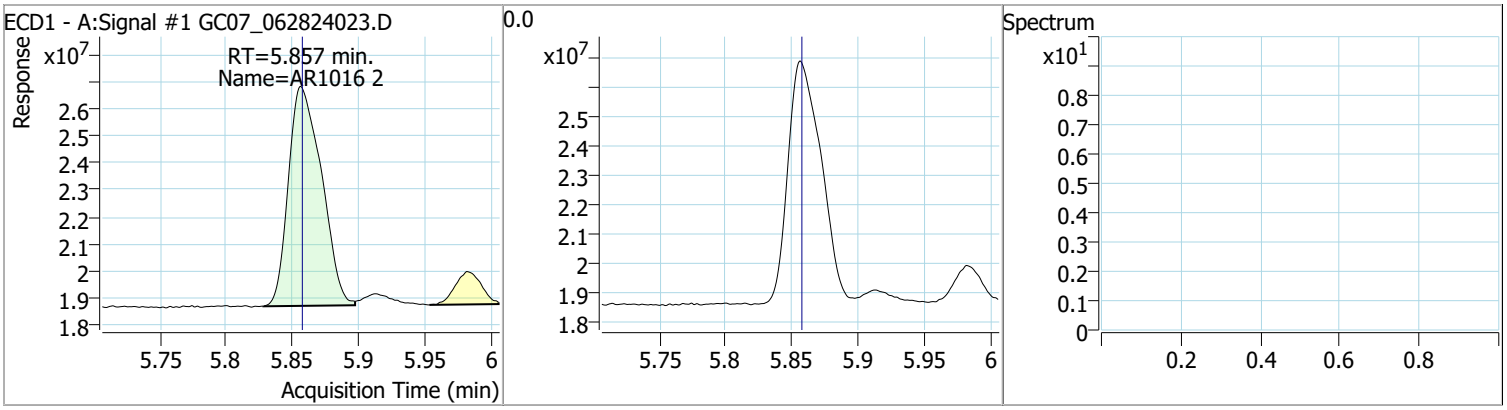
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TCMX (PCB) #2	19.8628	5.46	0.00	8294987				



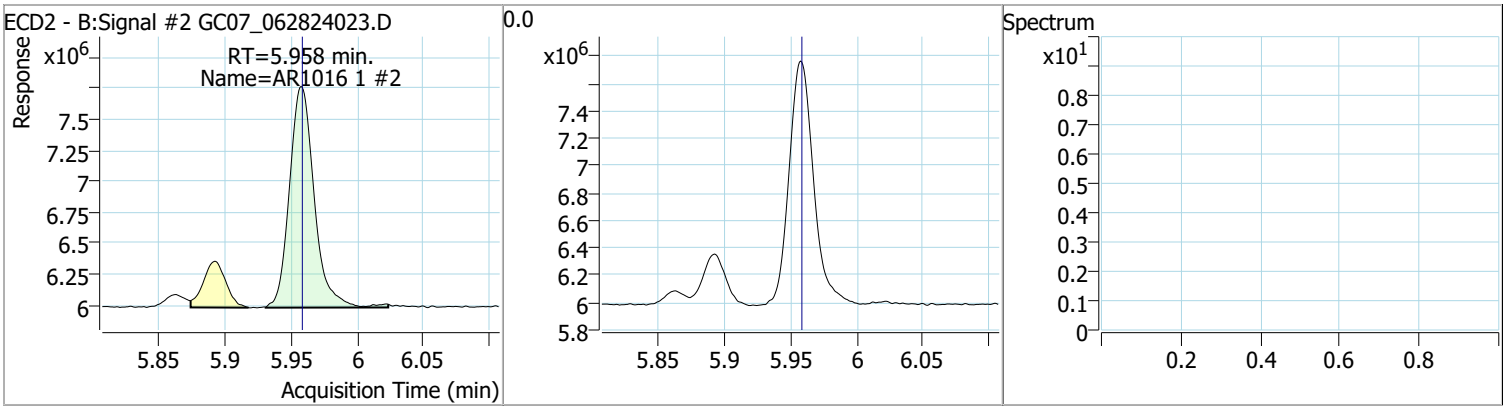
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	243.6488	5.51	0.00	6712193				



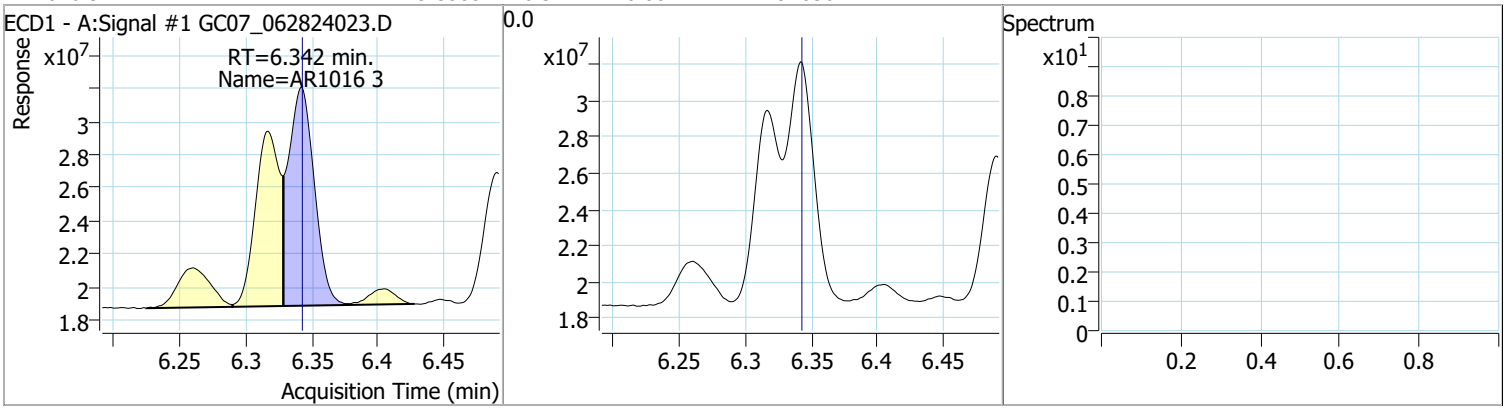
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	249.0043	5.86	0.00	14250498				



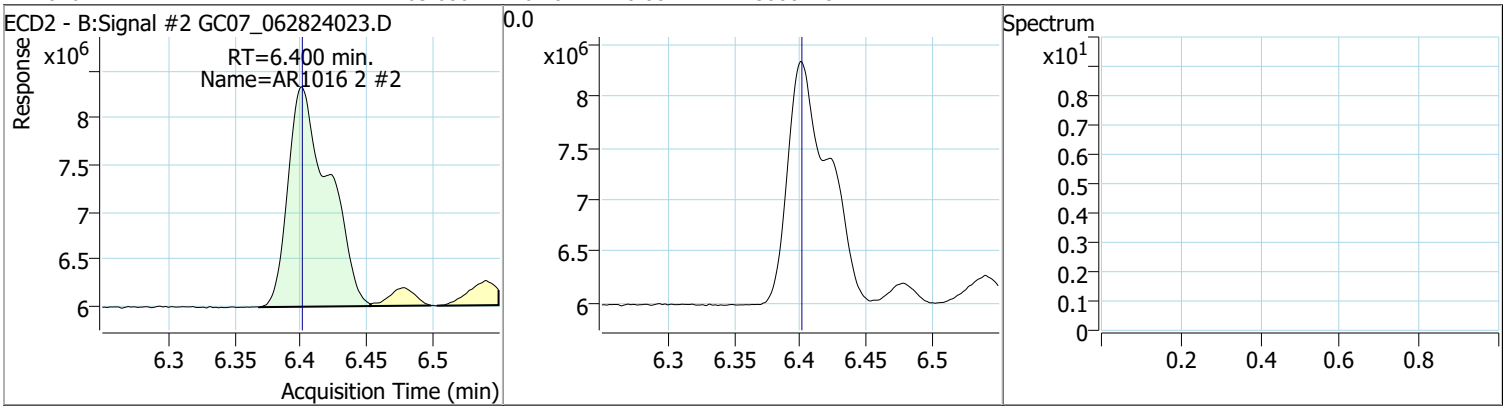
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AR1016 1 #2	252.7851	5.96	0.00	2323841				



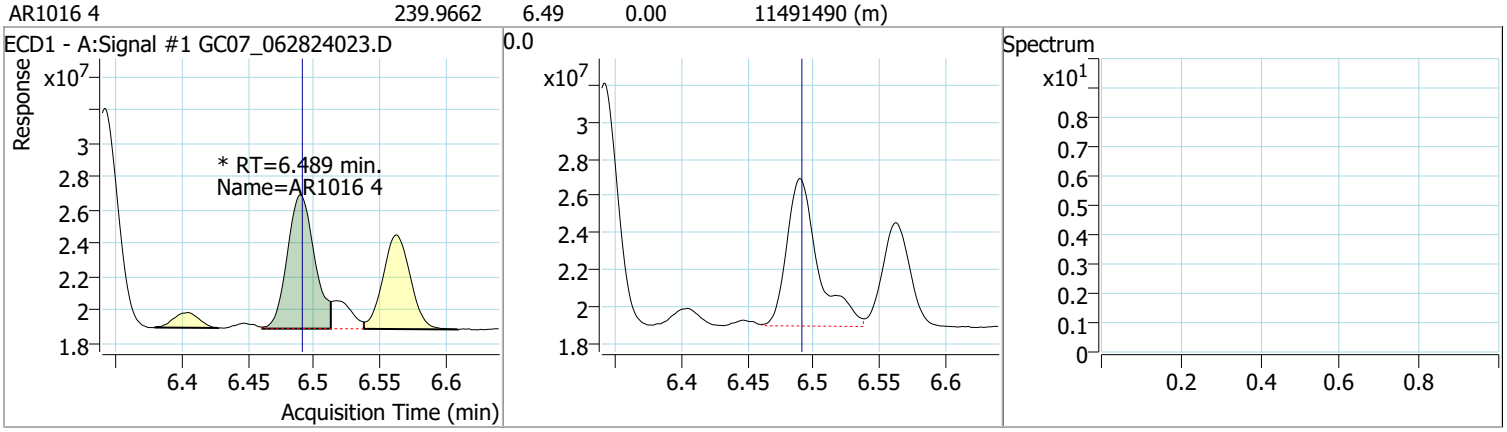
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	249.5585	6.34	0.00	17918367				



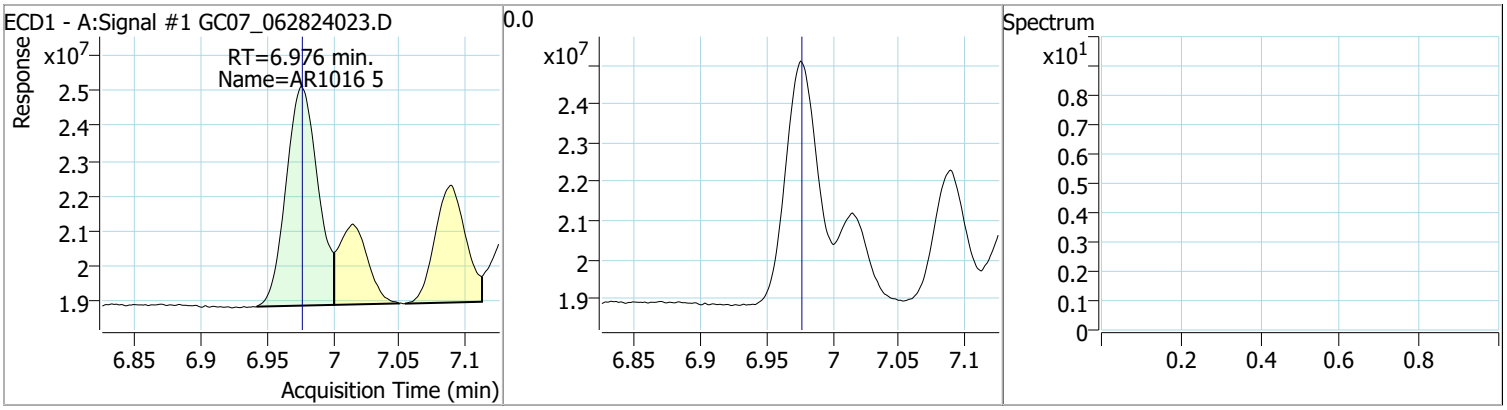
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	263.6804	6.40	0.00	5008145				



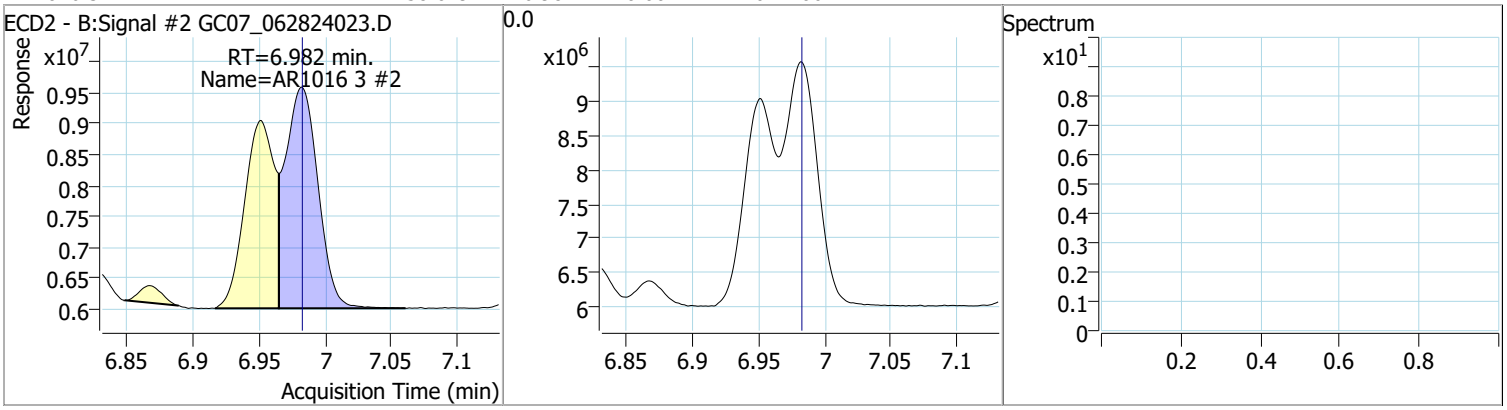
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	239.9662	6.49	0.00	11491490 (m)				



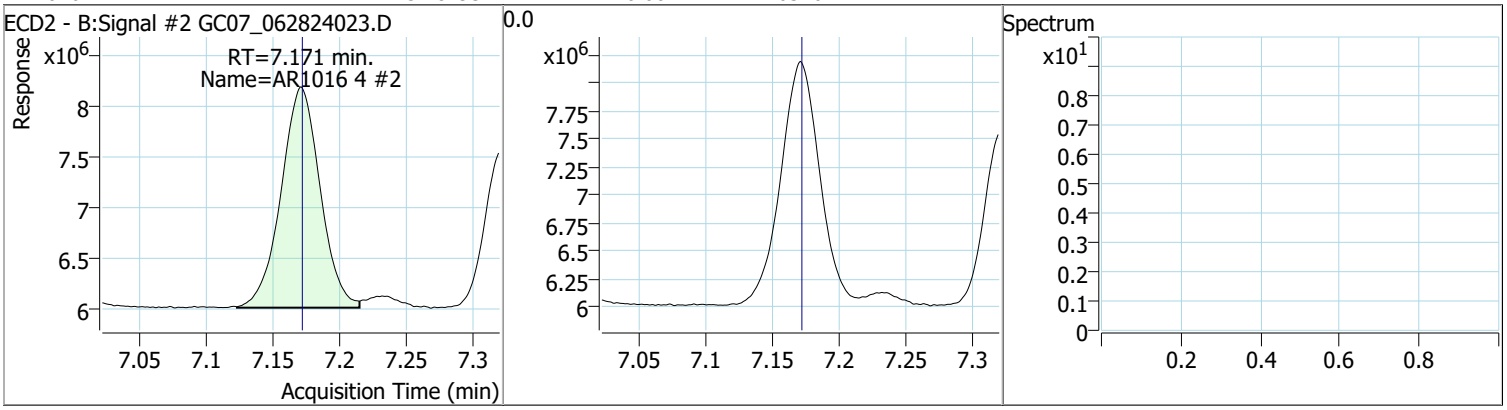
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	247.9935	6.98	0.00	10438984				



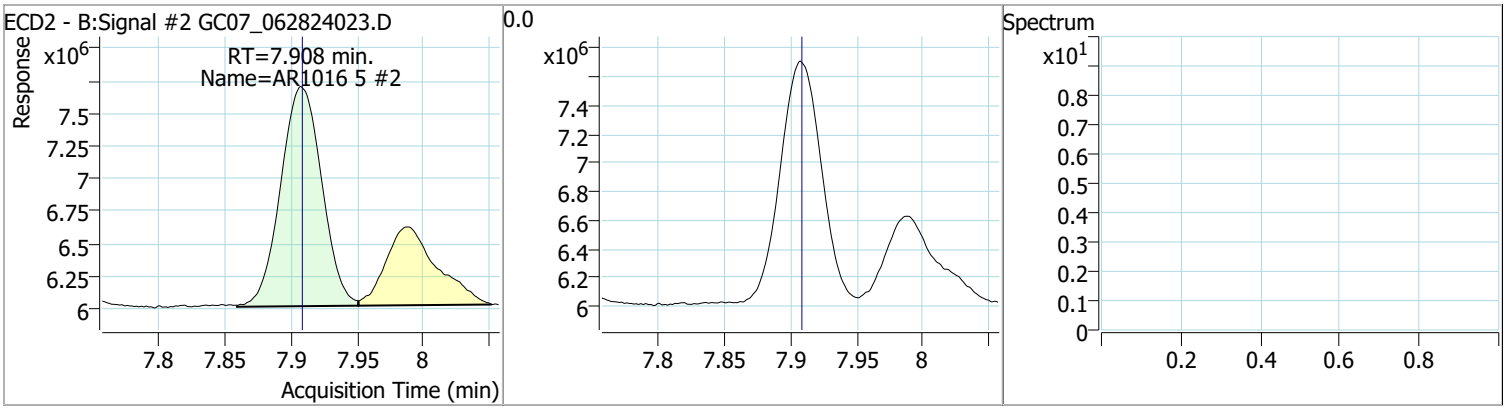
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	258.0191	6.98	0.00	6112061				



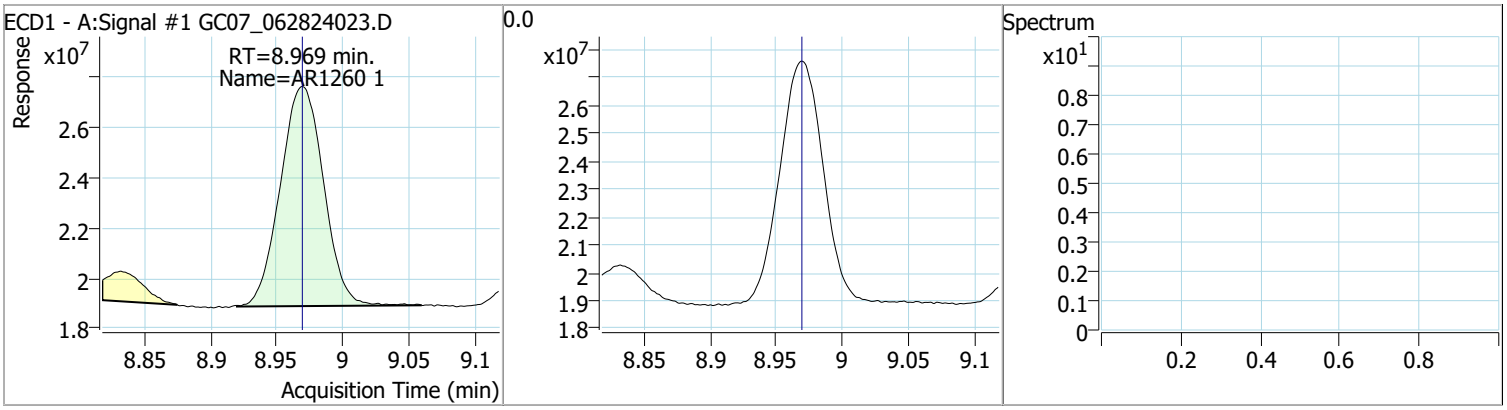
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AR1016 4 #2	254.8793	7.17	0.00	4463262				



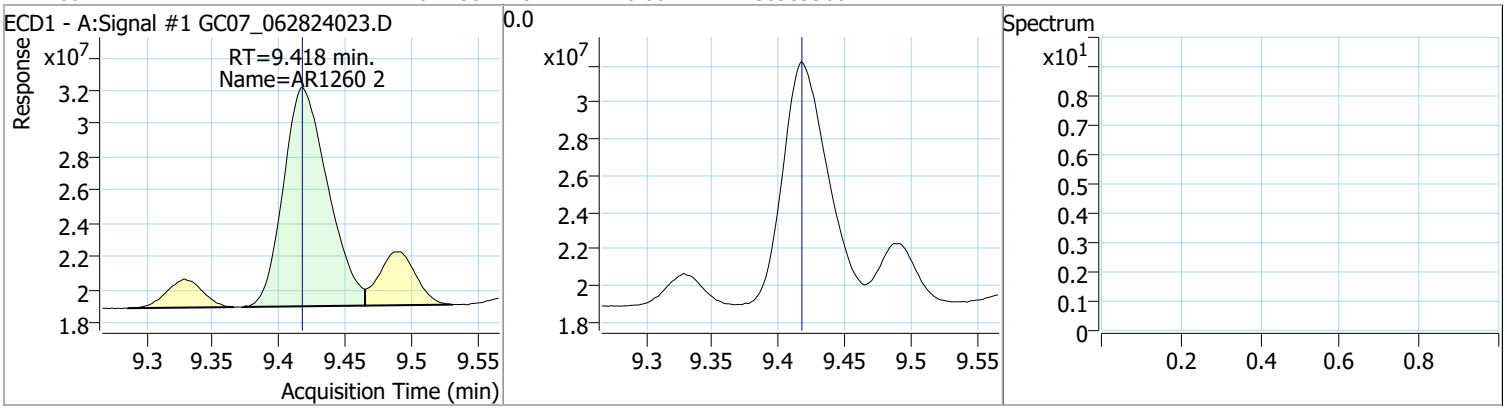
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	258.1464	7.91	0.00	3656086				



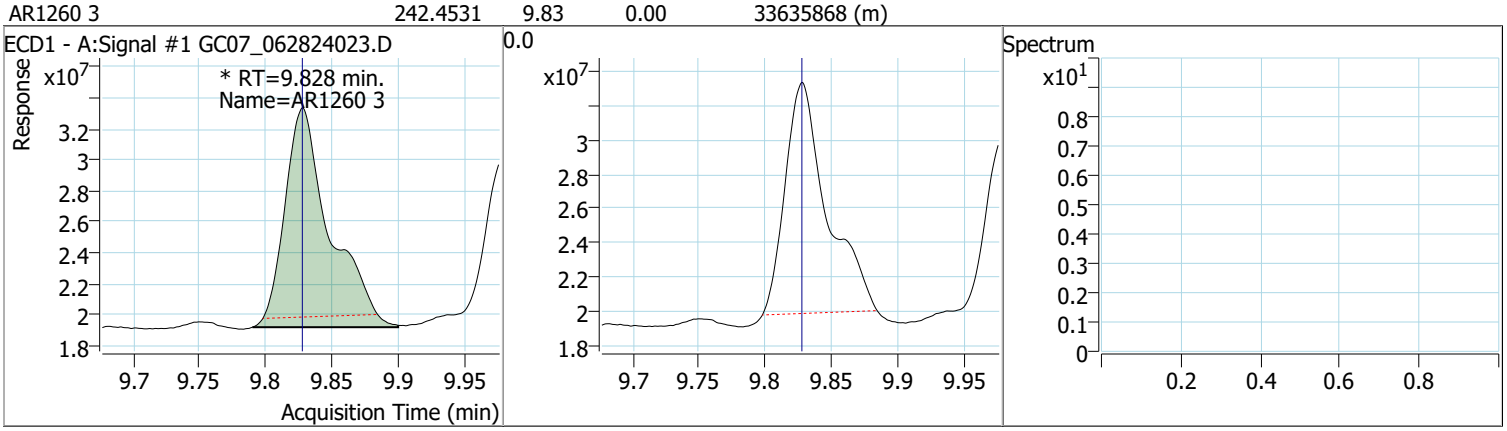
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0727	8.97	0.00	19845619				



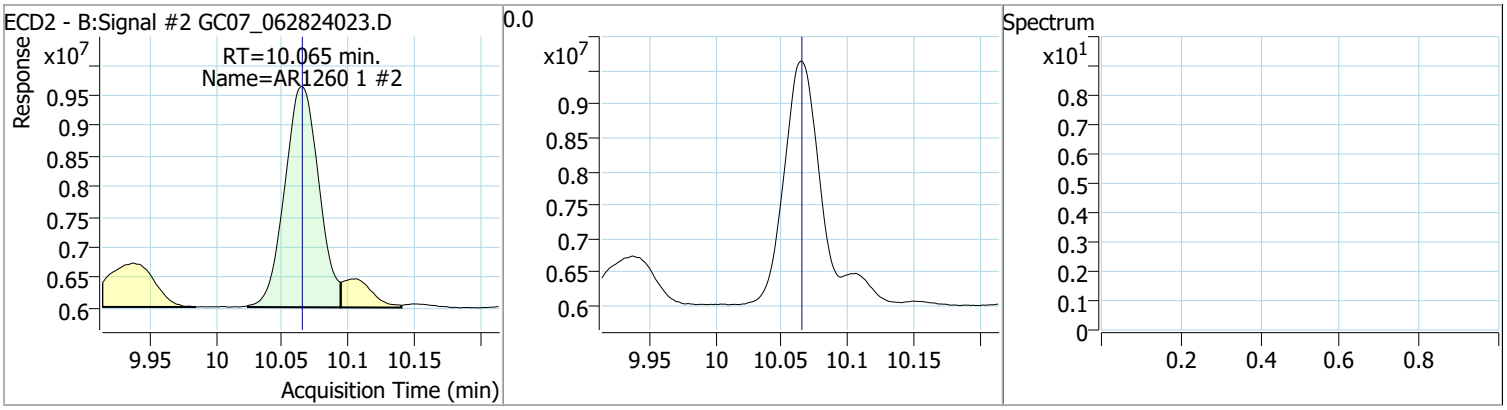
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	240.1138	9.42	0.00	30959966				



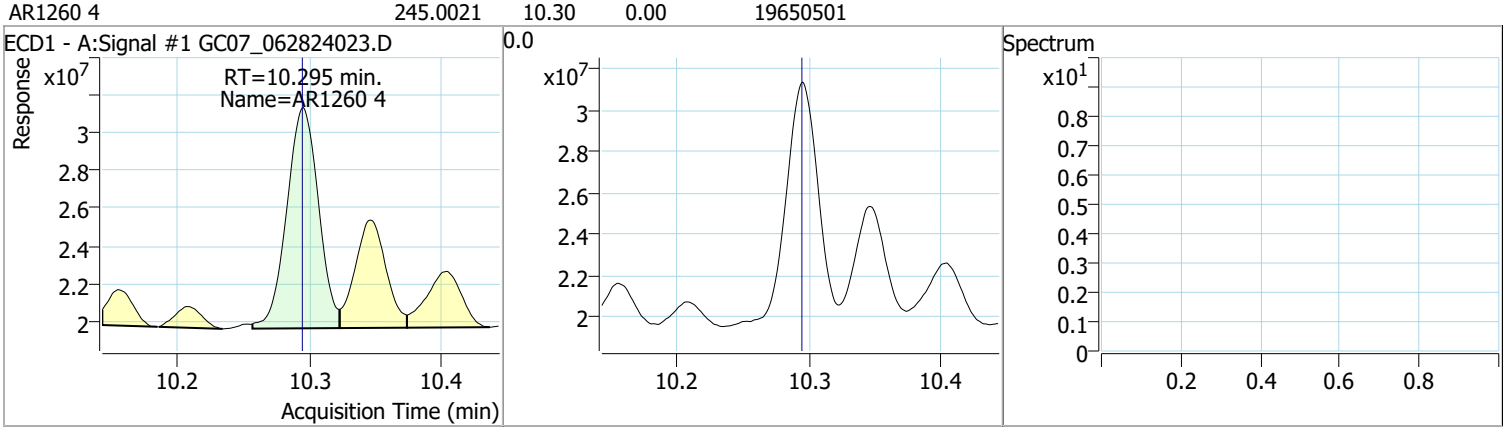
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	242.4531	9.83	0.00	33635868 (m)				



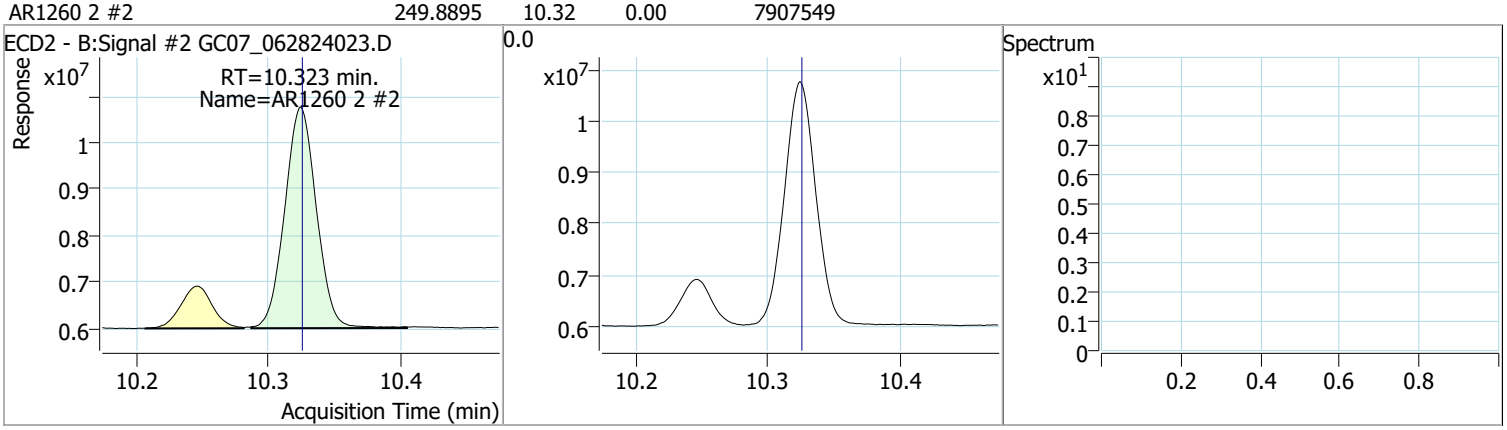
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	259.6026	10.07	0.00	6539148				



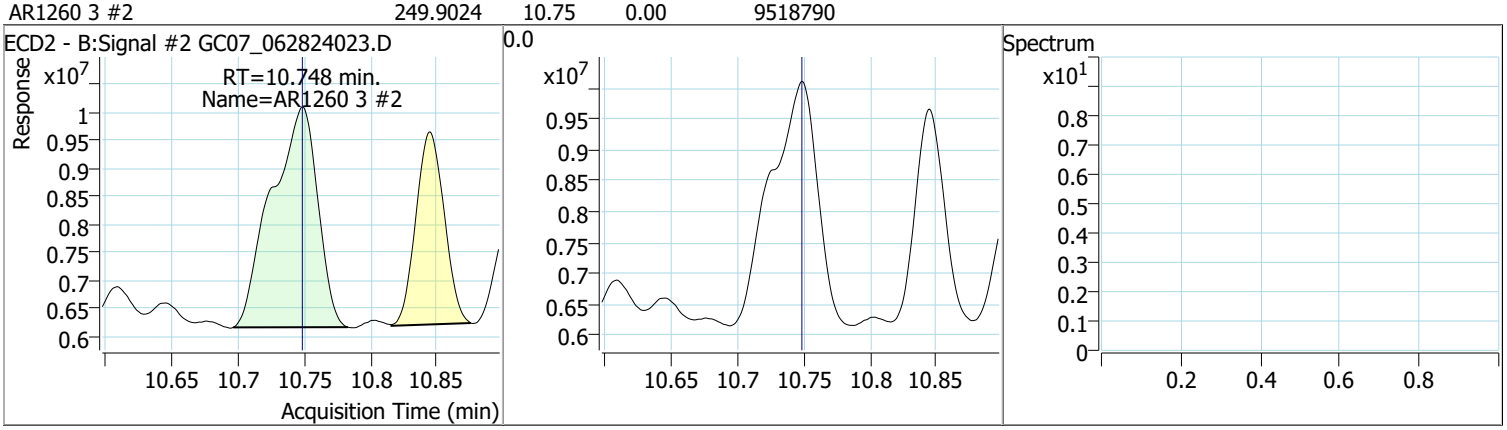
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.0021	10.30	0.00	19650501				



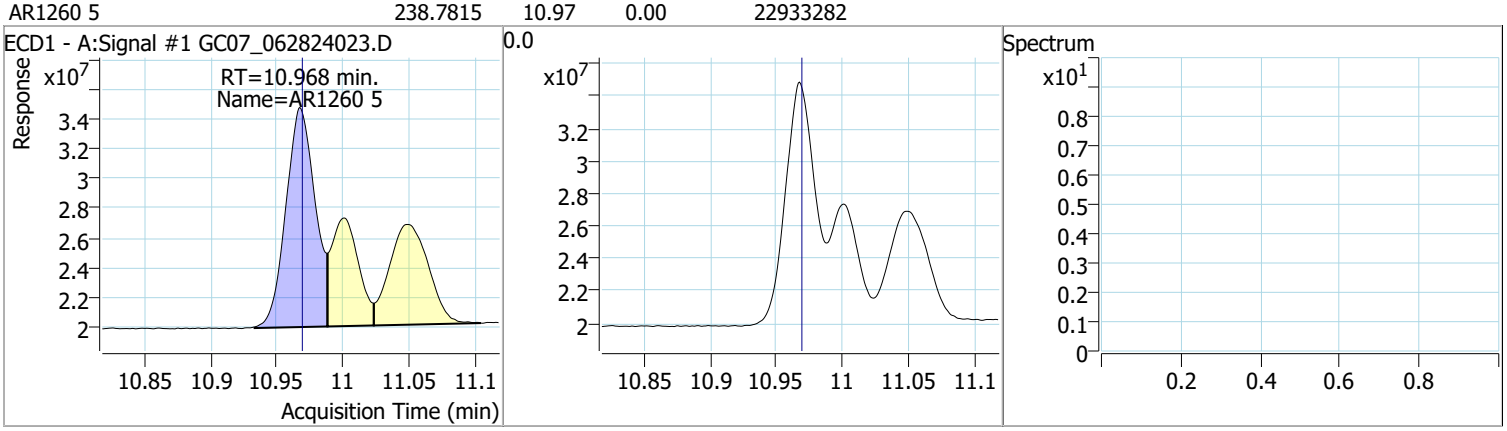
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	249.8895	10.32	0.00	7907549				



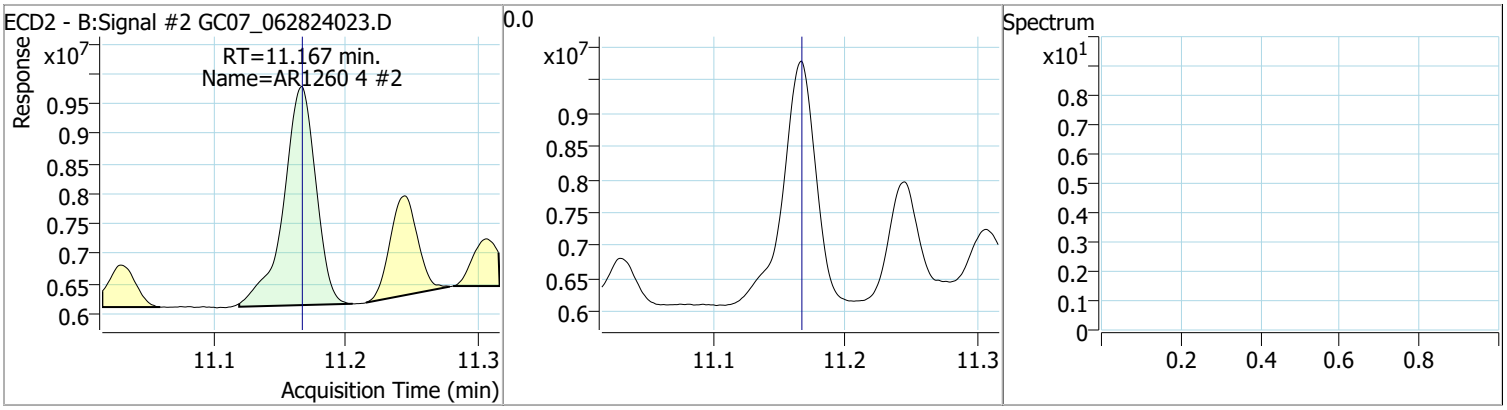
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	249.9024	10.75	0.00	9518790				



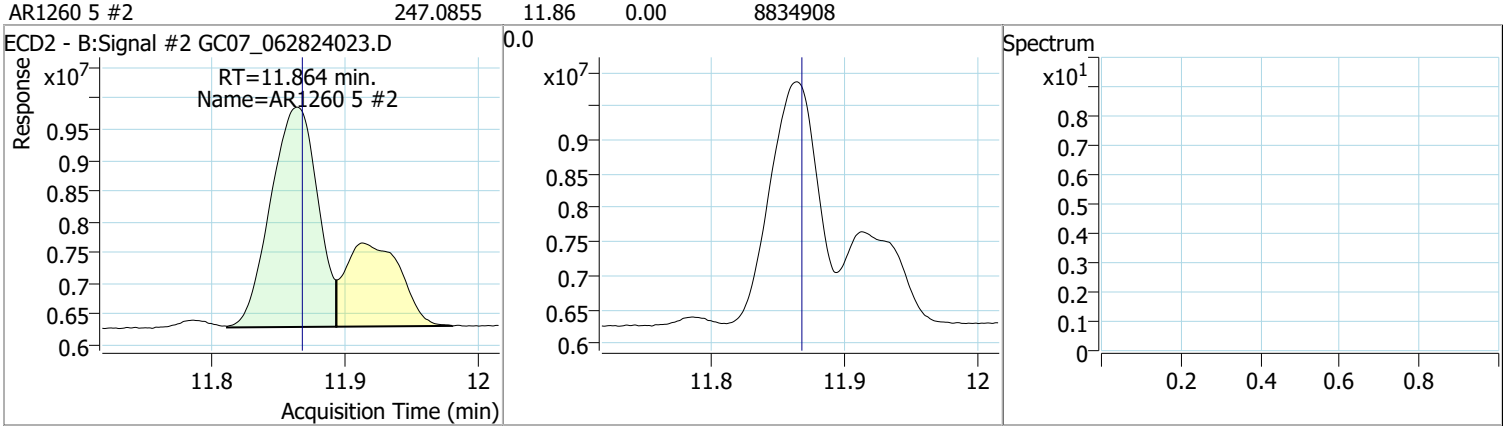
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	238.7815	10.97	0.00	22933282				



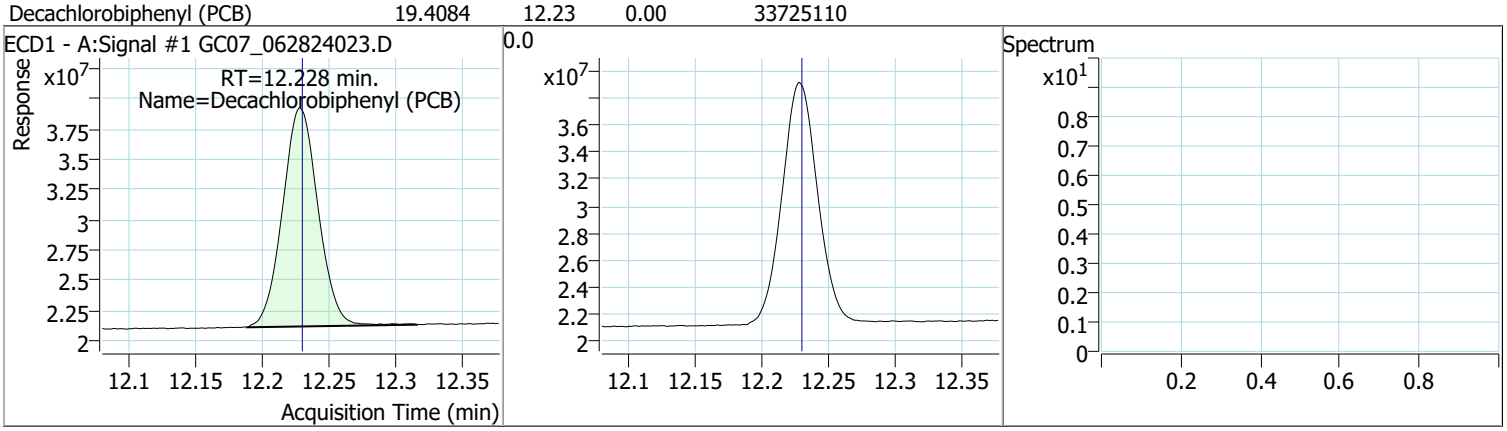
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	257.0178	11.17	0.00	6190348				



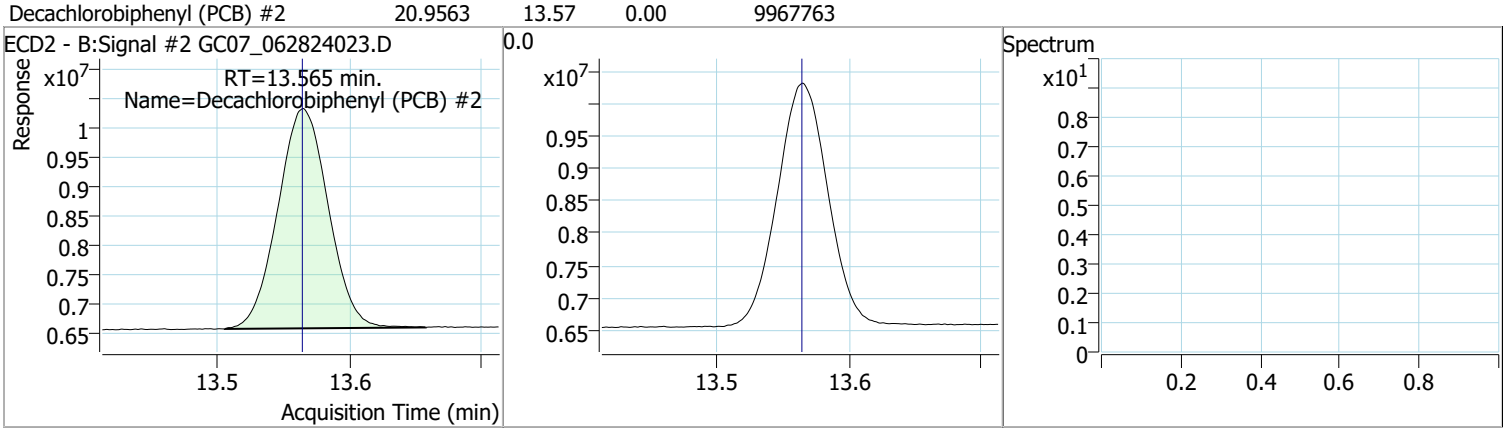
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	247.0855	11.86	0.00	8834908				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4084	12.23	0.00	33725110				

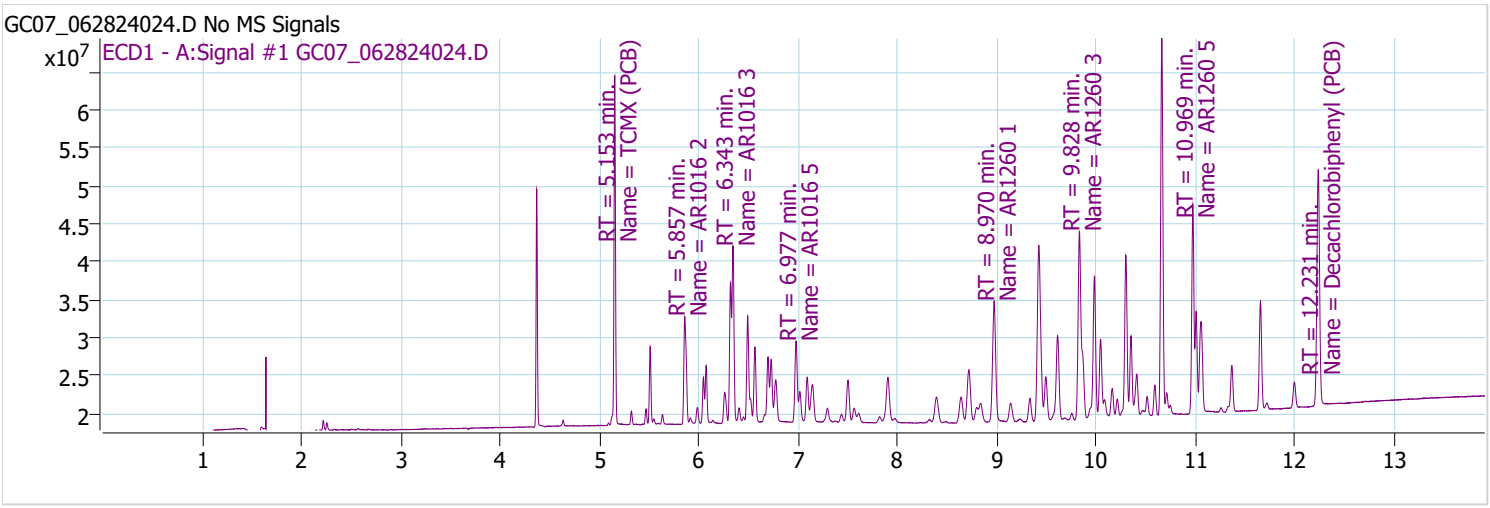


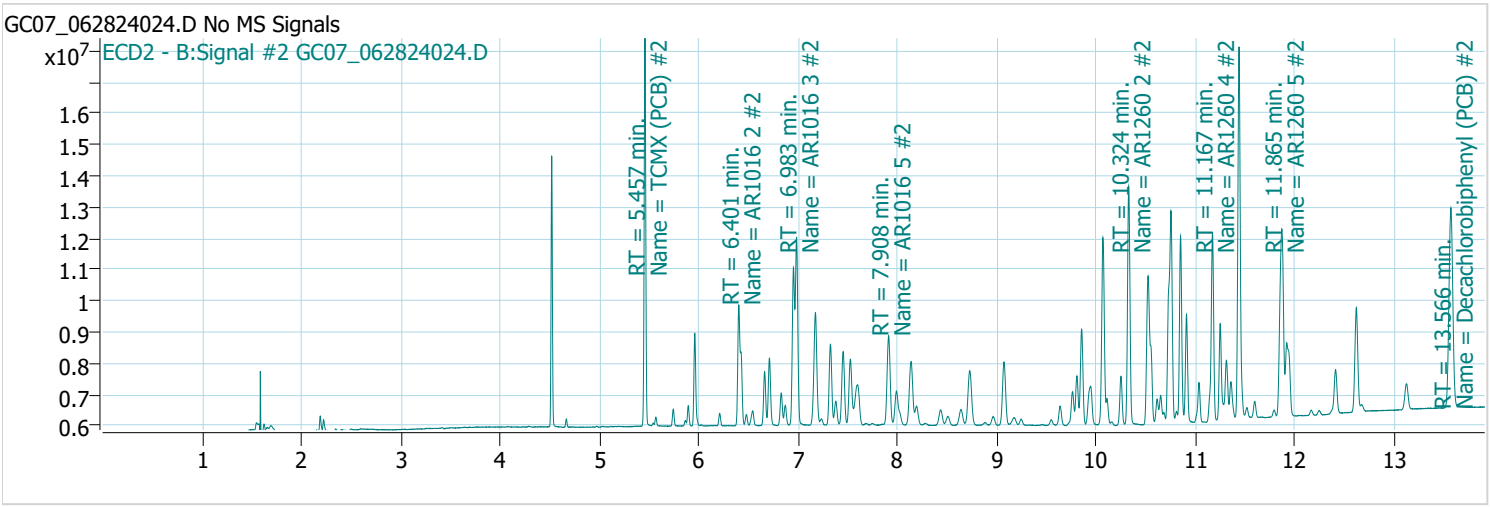
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9563	13.57	0.00	9967763				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:13:27 PM
Sample Name	ICAL, S20887	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



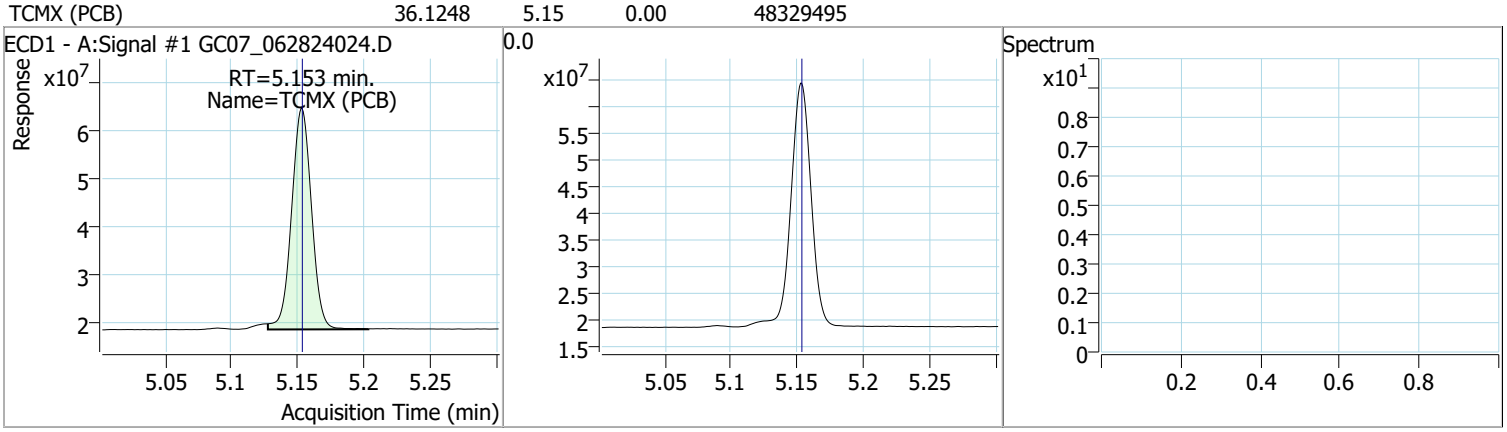


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28559390.830	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8178446.735	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	48329494.591	36.1248	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.62%		*	
S TCMX (PCB) #2	5.457	0.0	14145725.048	36.0604	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.30%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	59871129.047	38.0230	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.12%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	17397856.564	38.9397	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%		*	
Target Compounds							QValue

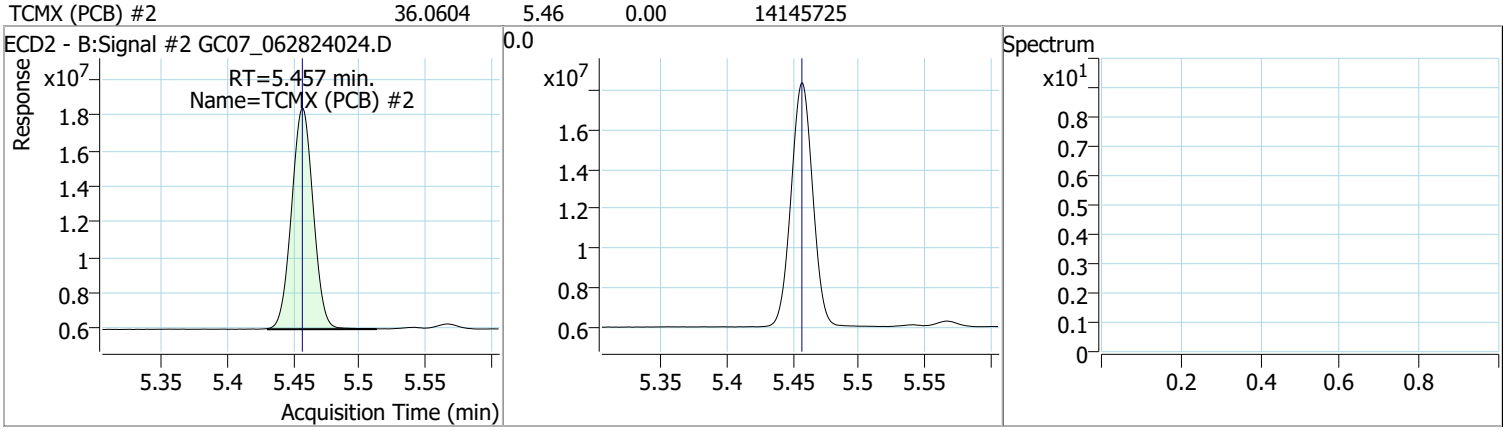
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.509	0.0	11456349.124	458.9217	ng/ml		100
T AR1016 2	5.857	0.0	24370875.013	469.9378	ng/ml		100
T AR1016 1 #2	5.958	0.0	3894646.511	451.0175	ng/ml		100
T AR1016 3	6.343	0.0	31510228.277	484.3037	ng/ml		100
T AR1016 2 #2	6.401	0.0	8436943.174	472.8965	ng/ml		100
T AR1016 4	6.491	0.0	20171592.797	464.8430	ng/ml	m	100
T AR1016 5	6.977	0.0	17790602.632	466.4070	ng/ml		100
T AR1016 3 #2	6.983	0.0	10321710.674	463.8696	ng/ml		100
T AR1016 4 #2	7.172	0.0	7517043.584	456.9929	ng/ml		100
T AR1016 5 #2	7.908	0.0	6164598.652	463.3771	ng/ml		100
T AR1260 1	8.970	0.0	34968974.138	457.1017	ng/ml		100
T AR1260 2	9.420	0.0	54467793.982	466.1748	ng/ml		100
T AR1260 3	9.828	0.0	59512614.700	473.3981	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	10972294.321	463.7303	ng/ml		100
T AR1260 4	10.295	0.0	35258109.221	485.1182	ng/ml		100
T AR1260 2 #2	10.324	0.0	13186955.089	443.6401	ng/ml		100
T AR1260 3 #2	10.749	0.0	16208572.825	453.0160	ng/ml		100
T AR1260 5	10.969	0.0	41681149.473	478.9239	ng/ml		100
T AR1260 4 #2	11.167	0.0	10585125.258	467.8691	ng/ml		100
T AR1260 5 #2	11.865	0.0	15343499.870	456.8250	ng/ml		100

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

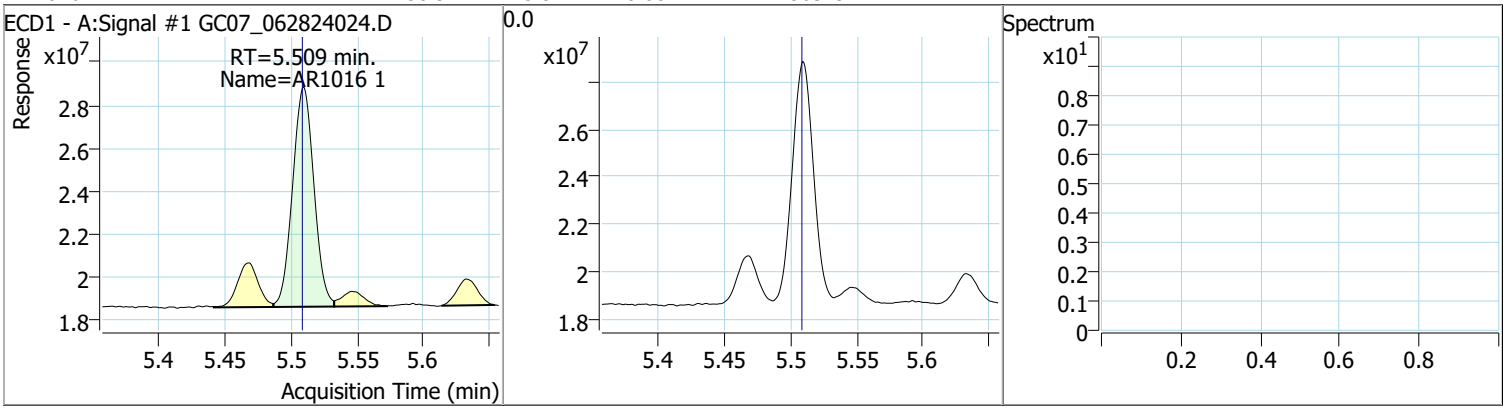
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1248	5.15	0.00	48329495				



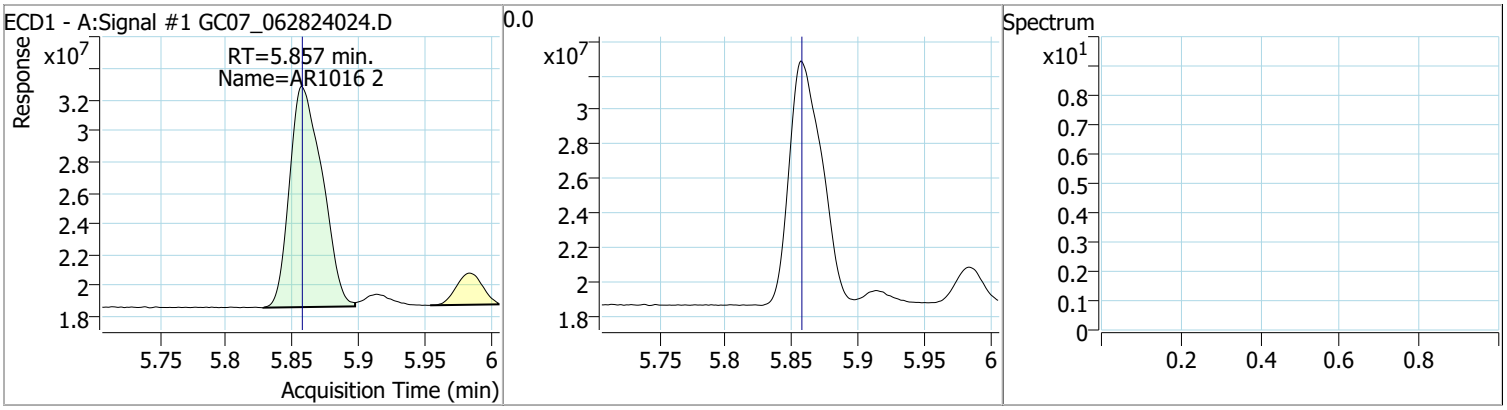
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0604	5.46	0.00	14145725				



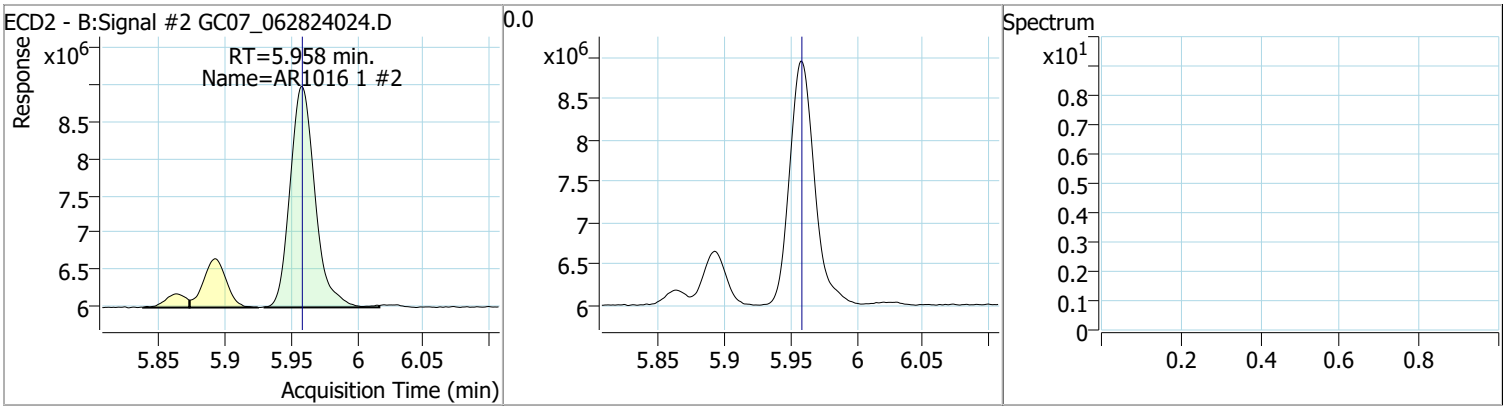
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.9217	5.51	0.00	11456349				



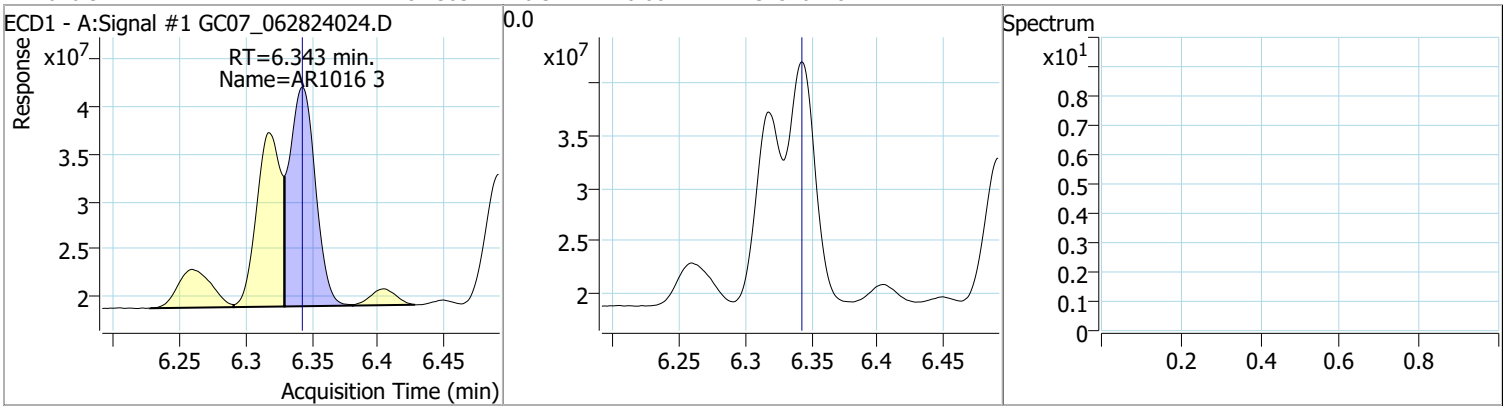
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	469.9378	5.86	0.00	24370875				



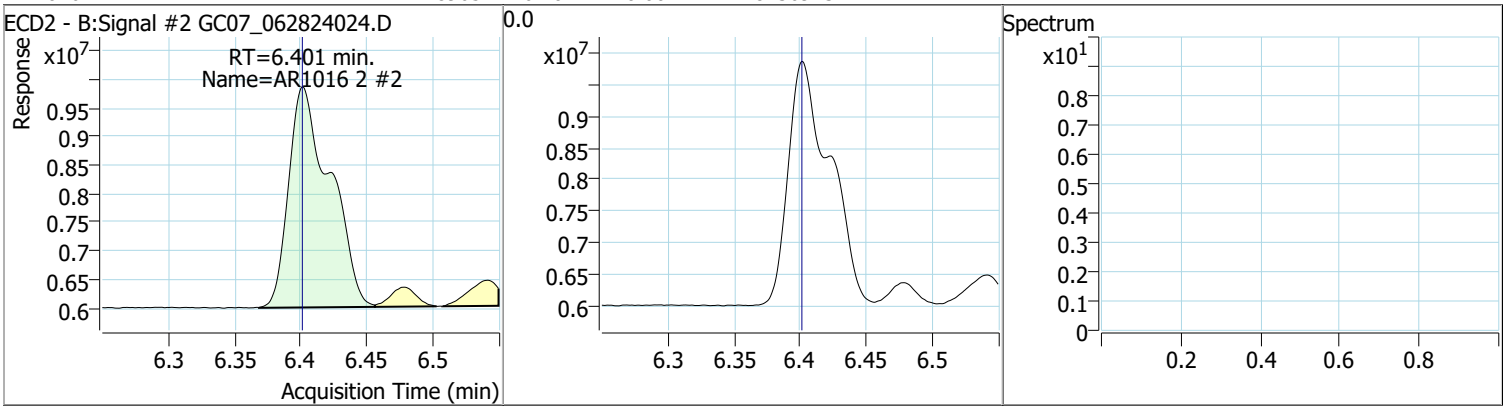
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.0175	5.96	0.00	3894647				



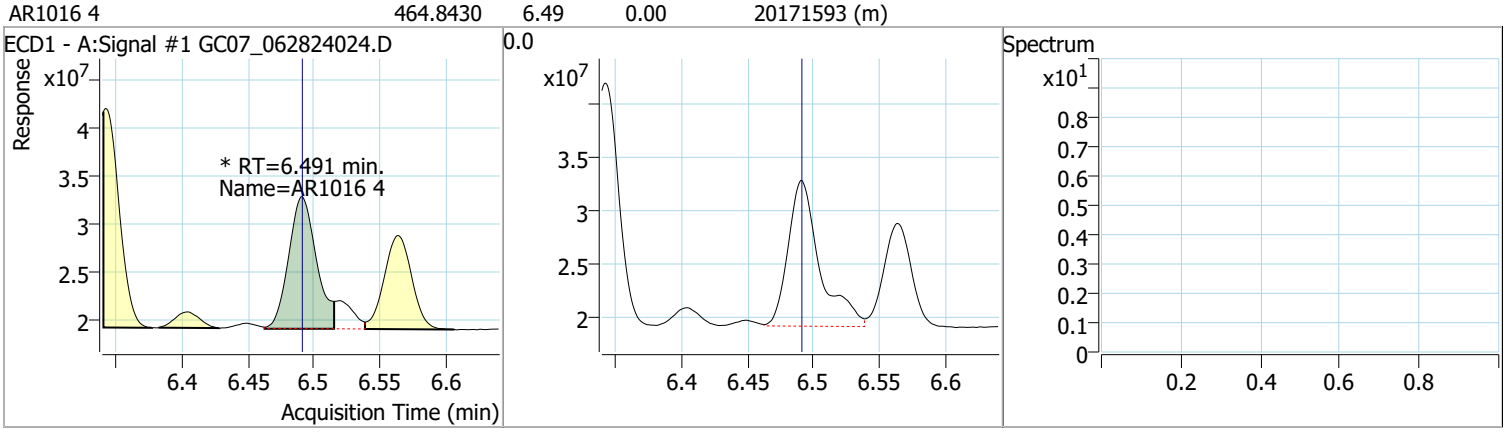
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	484.3037	6.34	0.00	31510228				



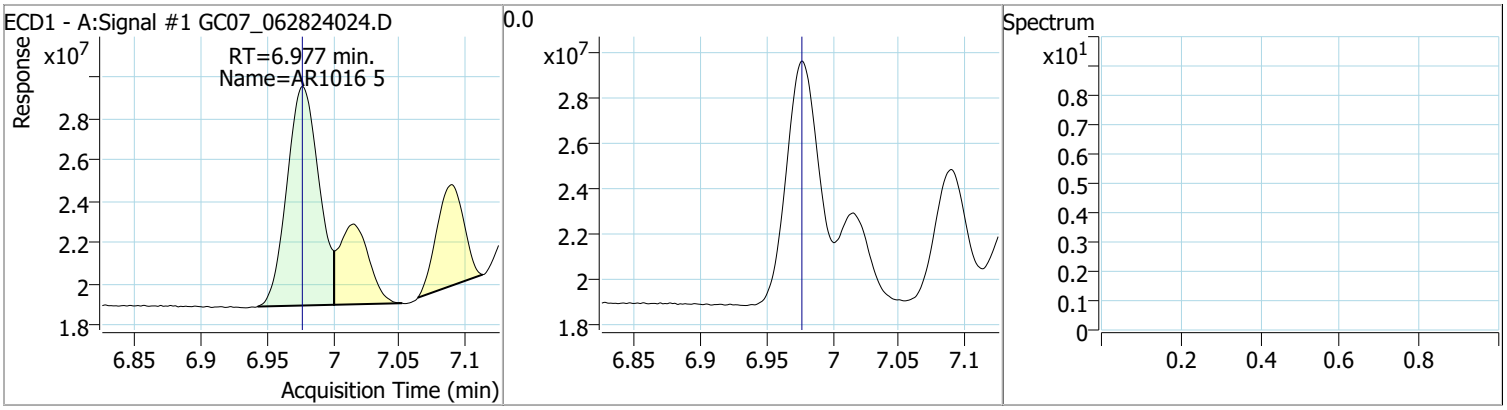
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AR1016 2 #2	472.8965	6.40	0.00	8436943				



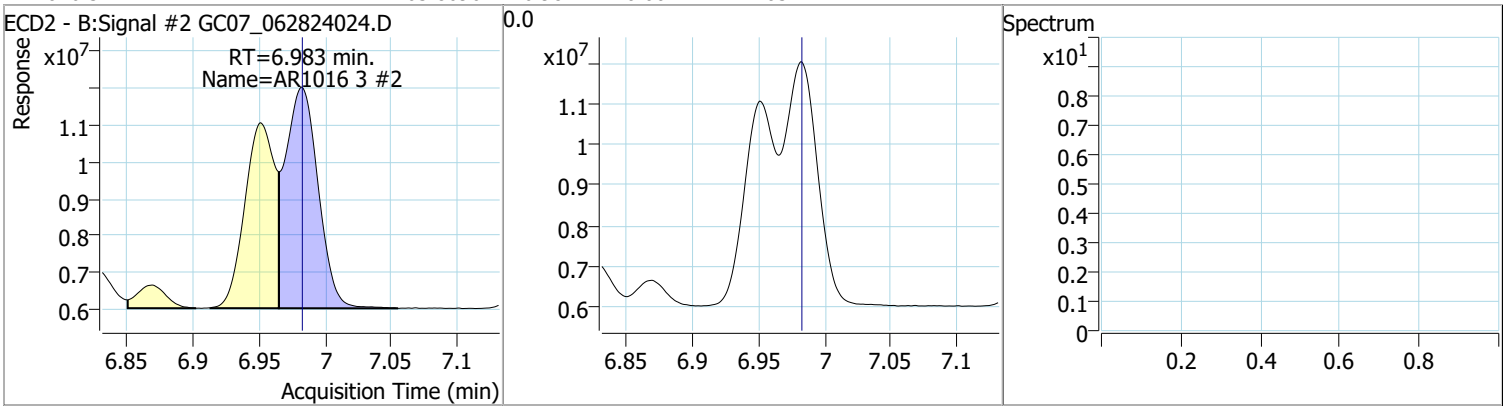
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.8430	6.49	0.00	20171593 (m)				



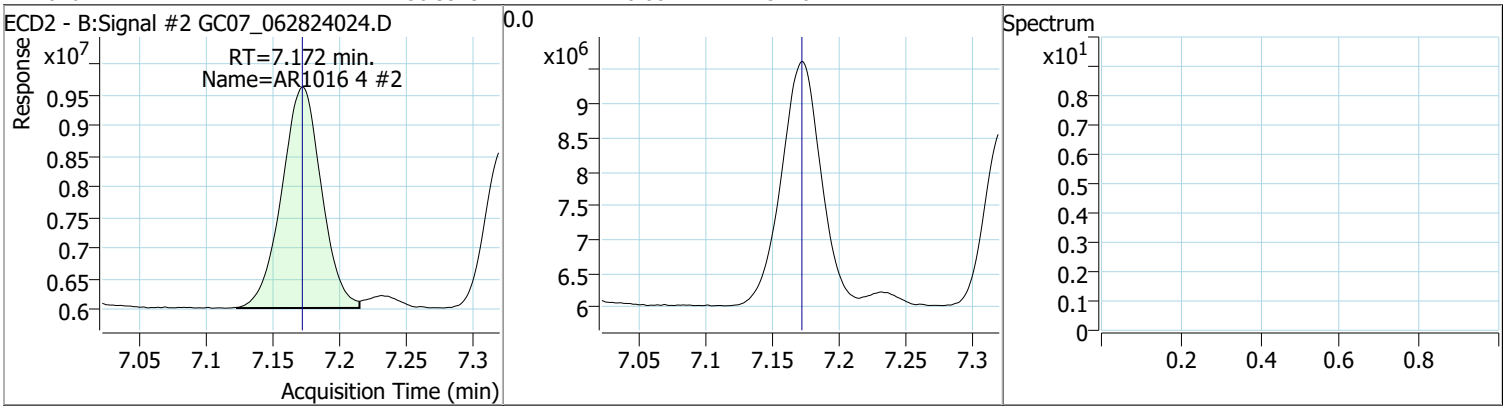
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	466.4070	6.98	0.00	17790603				



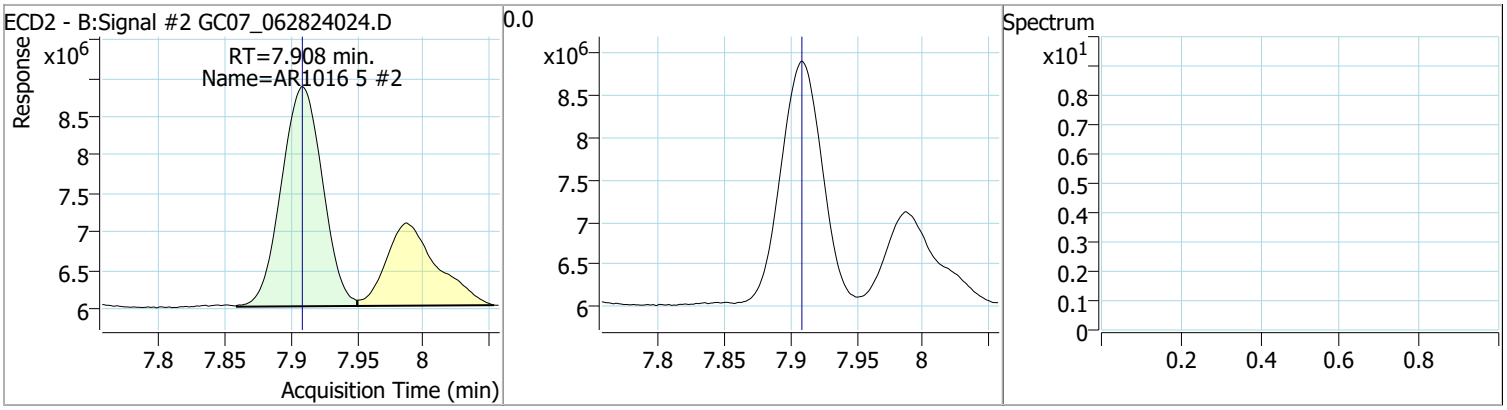
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	463.8696	6.98	0.00	10321711				



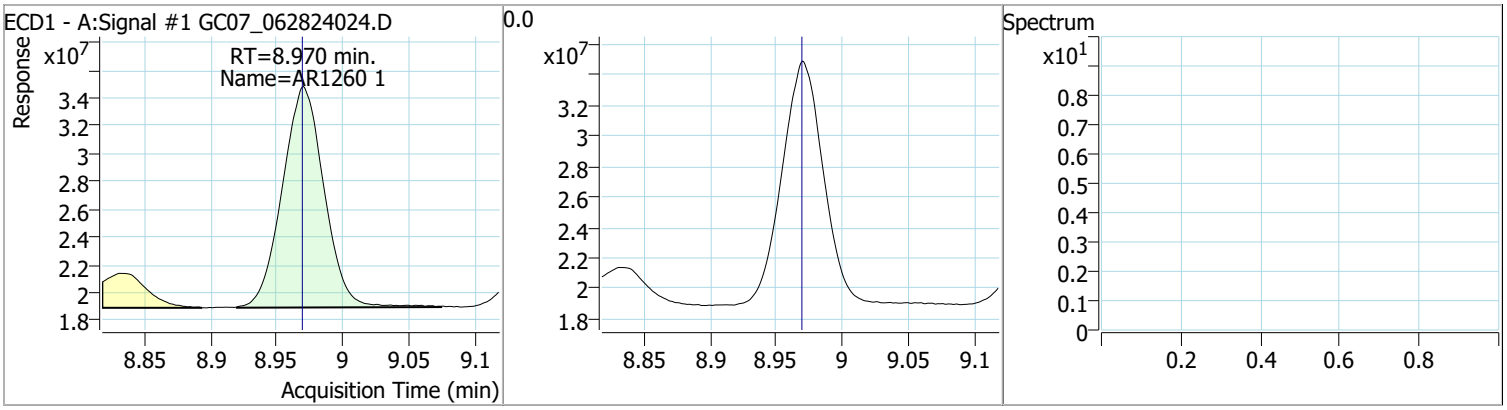
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	456.9929	7.17	0.00	7517044				



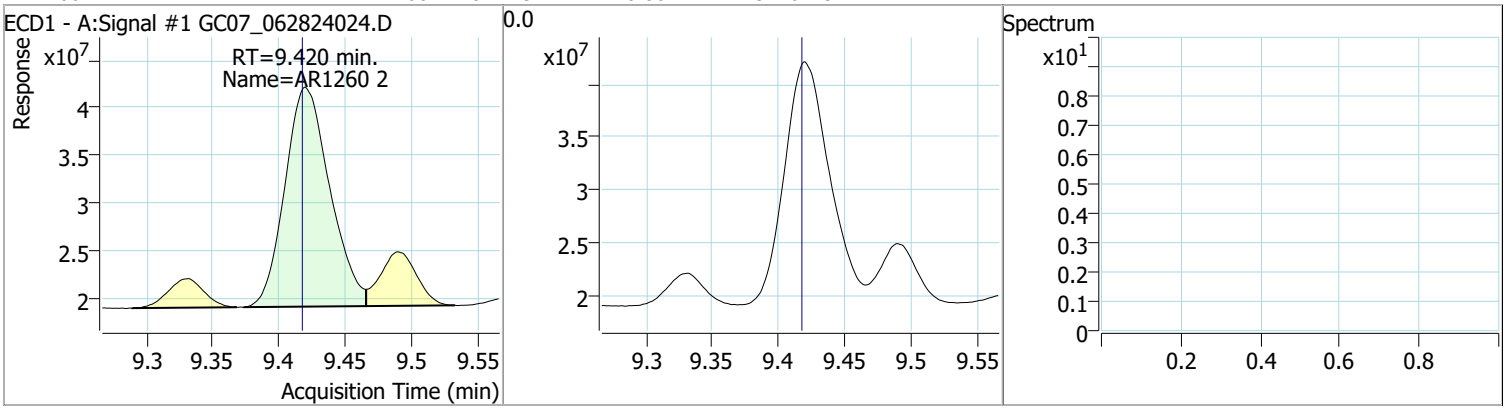
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	463.3771	7.91	0.00	6164599				



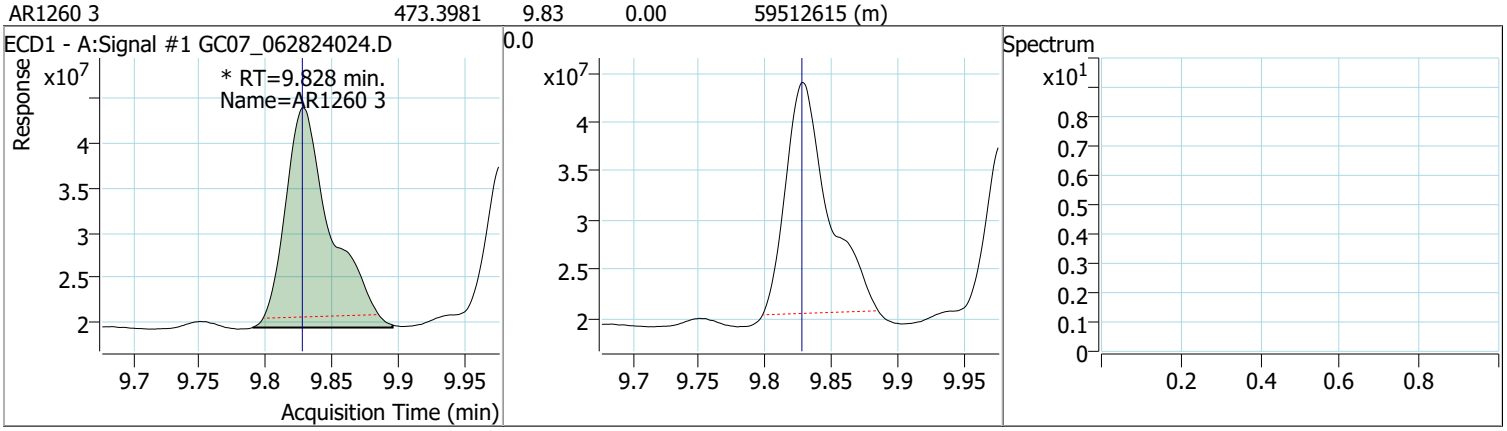
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.1017	8.97	0.00	34968974				



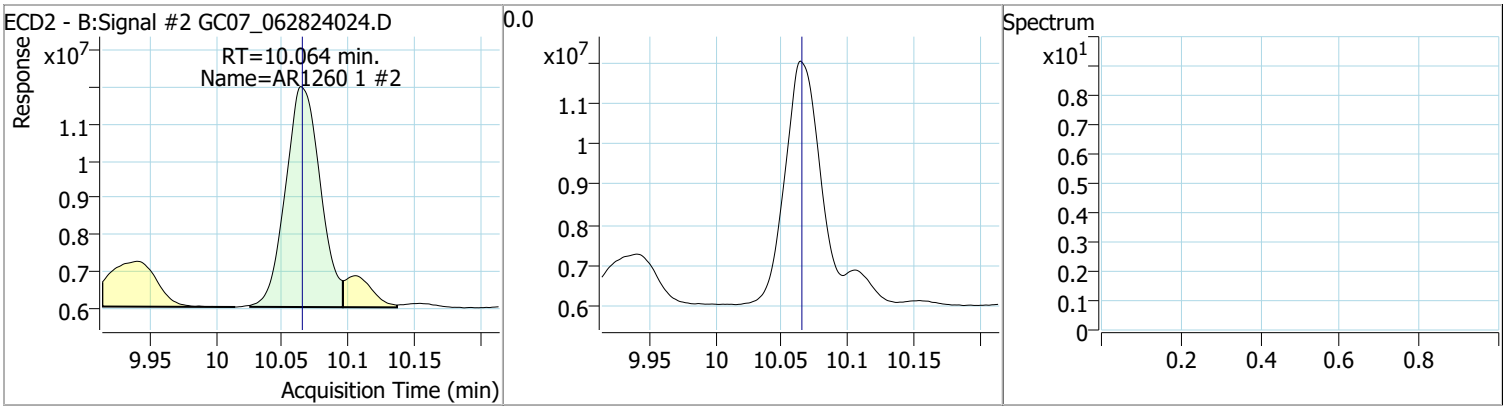
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	466.1748	9.42	0.00	54467794				



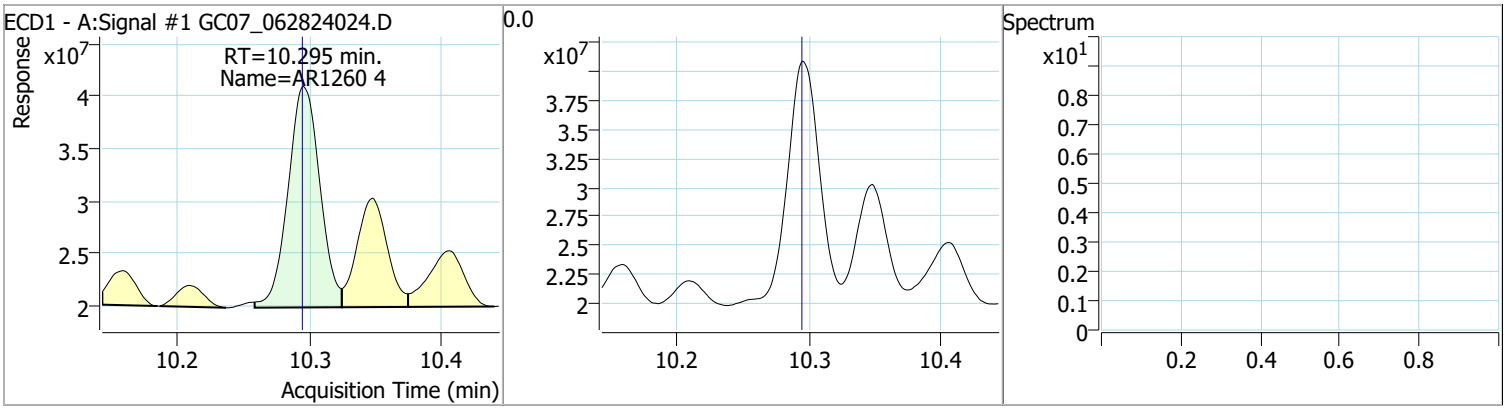
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	473.3981	9.83	0.00	59512615 (m)				



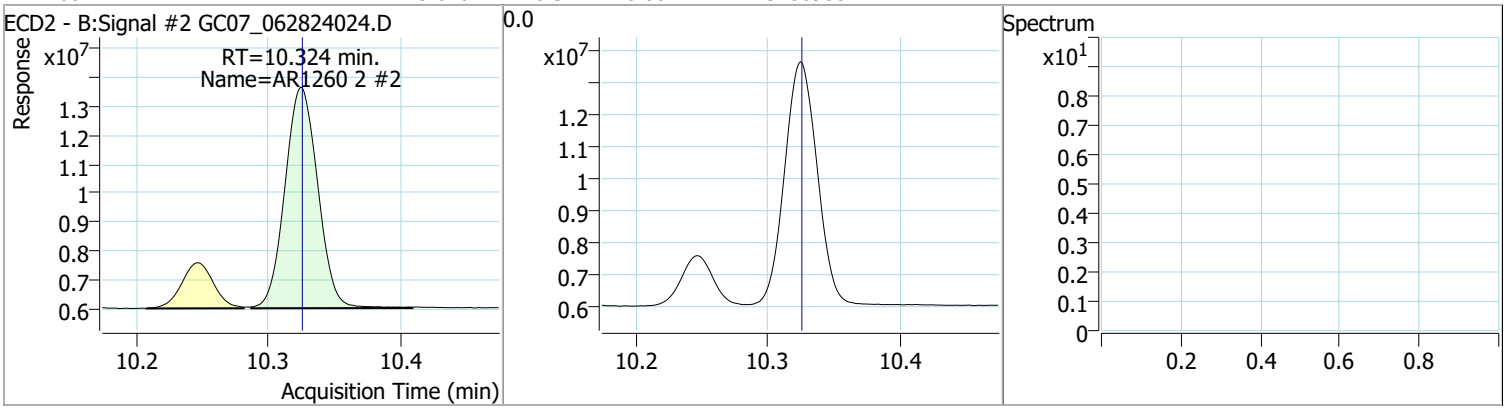
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	463.7303	10.06	0.00	10972294				



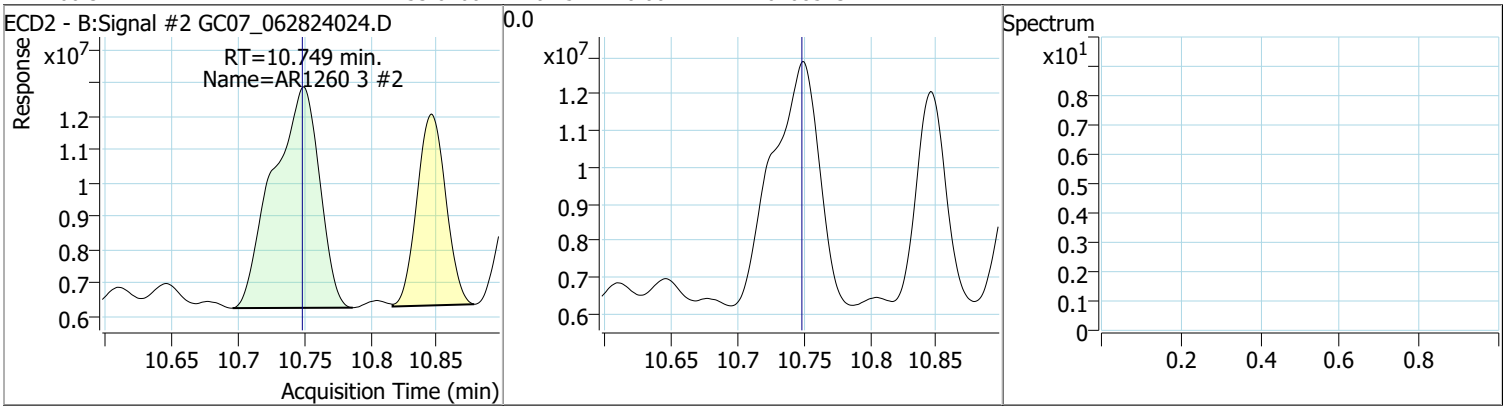
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	485.1182	10.30	0.00	35258109				



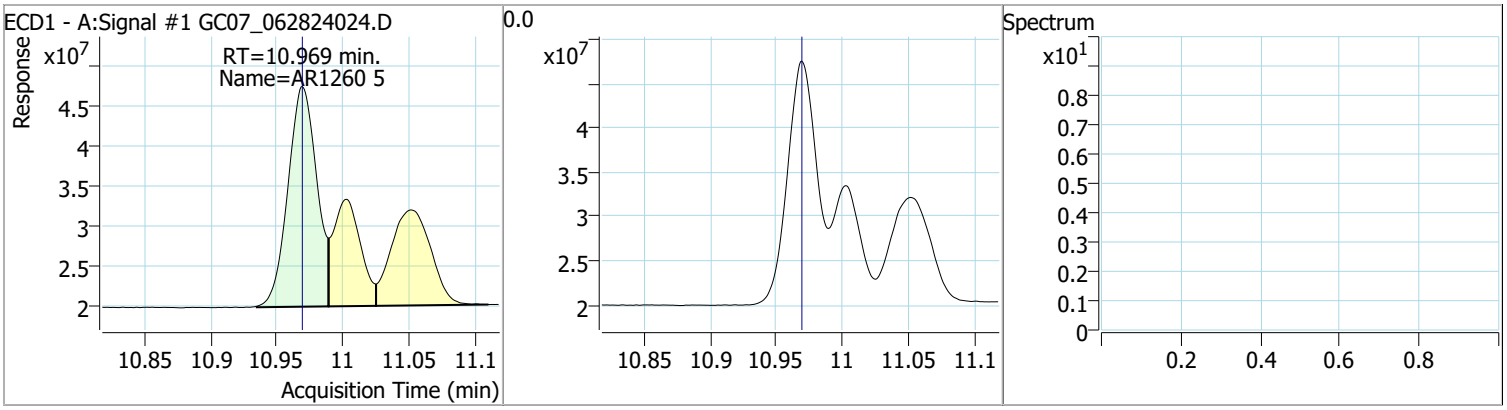
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	443.6401	10.32	0.00	13186955				



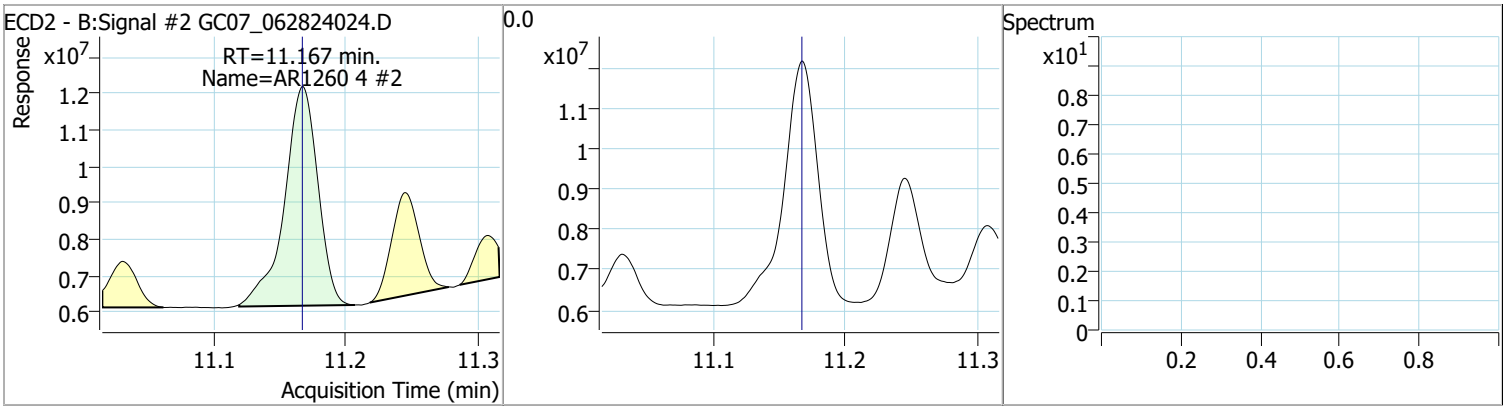
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	453.0160	10.75	0.00	16208573				



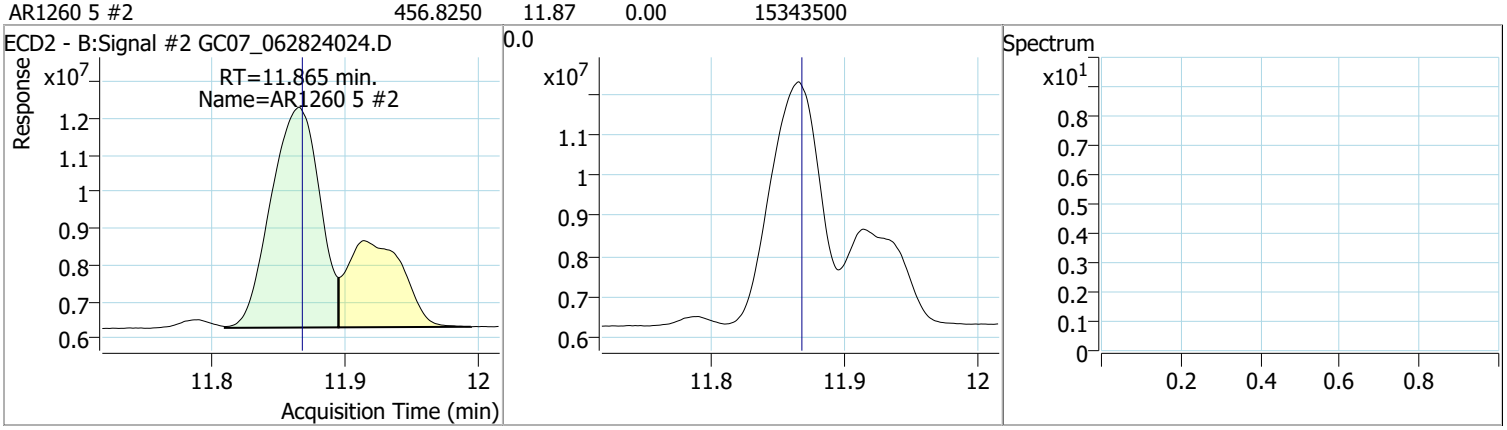
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.9239	10.97	0.00	41681149				



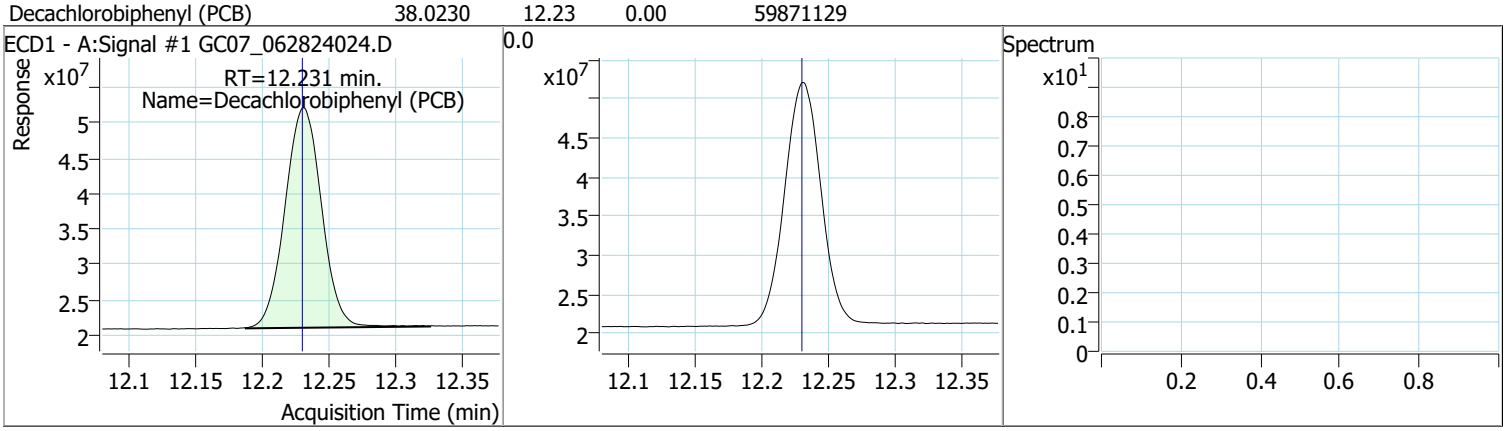
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	467.8691	11.17	0.00	10585125				



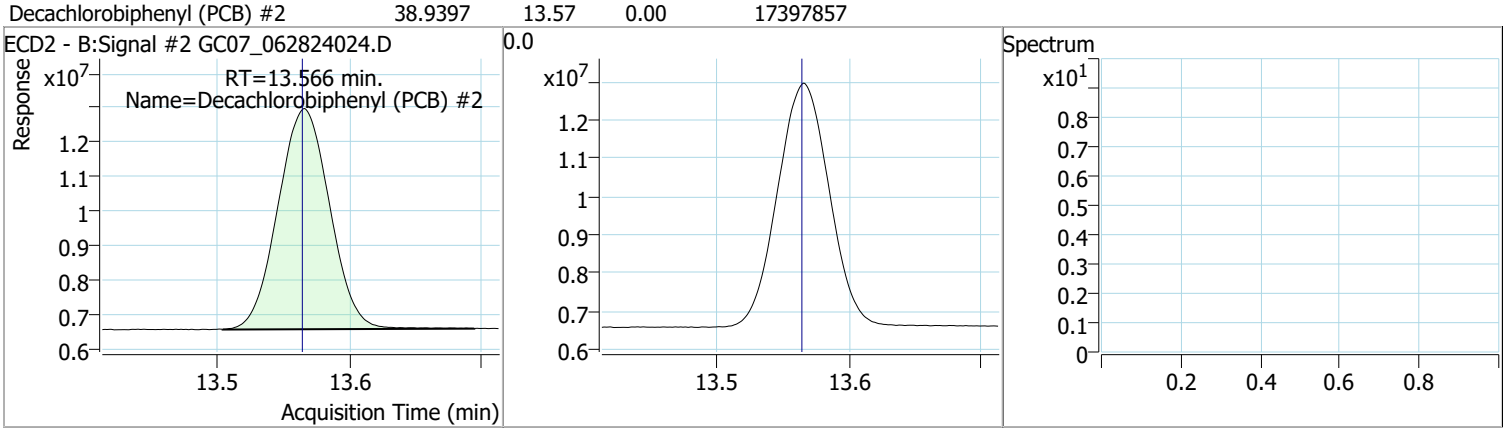
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	456.8250	11.87	0.00	15343500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.0230	12.23	0.00	59871129				

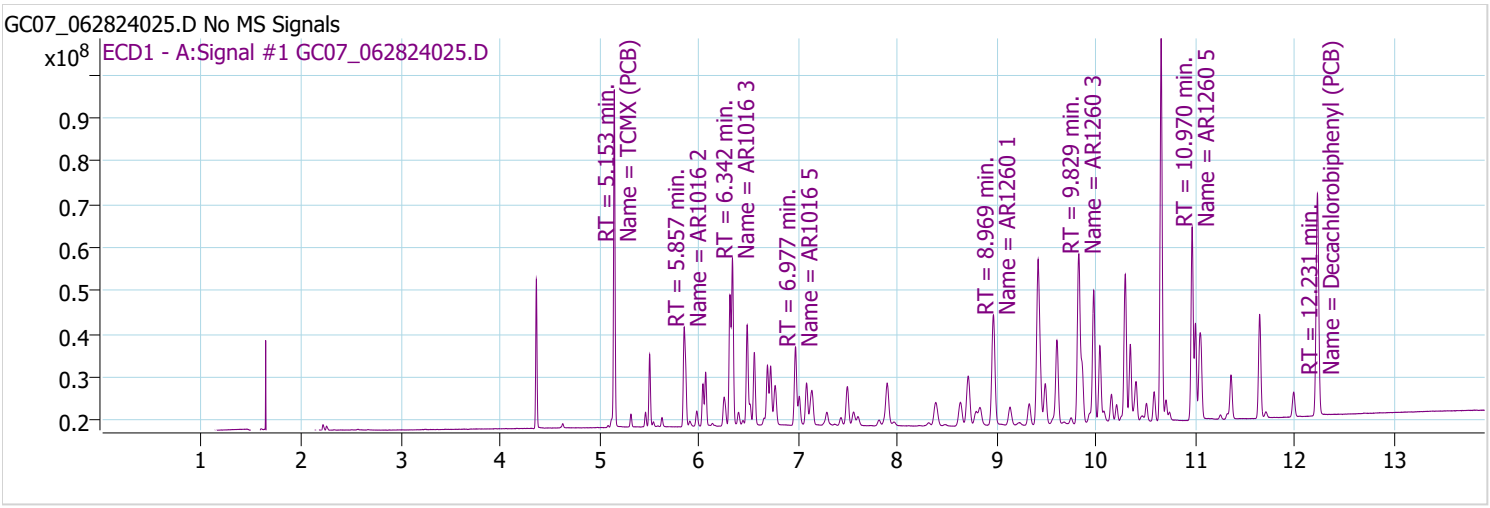


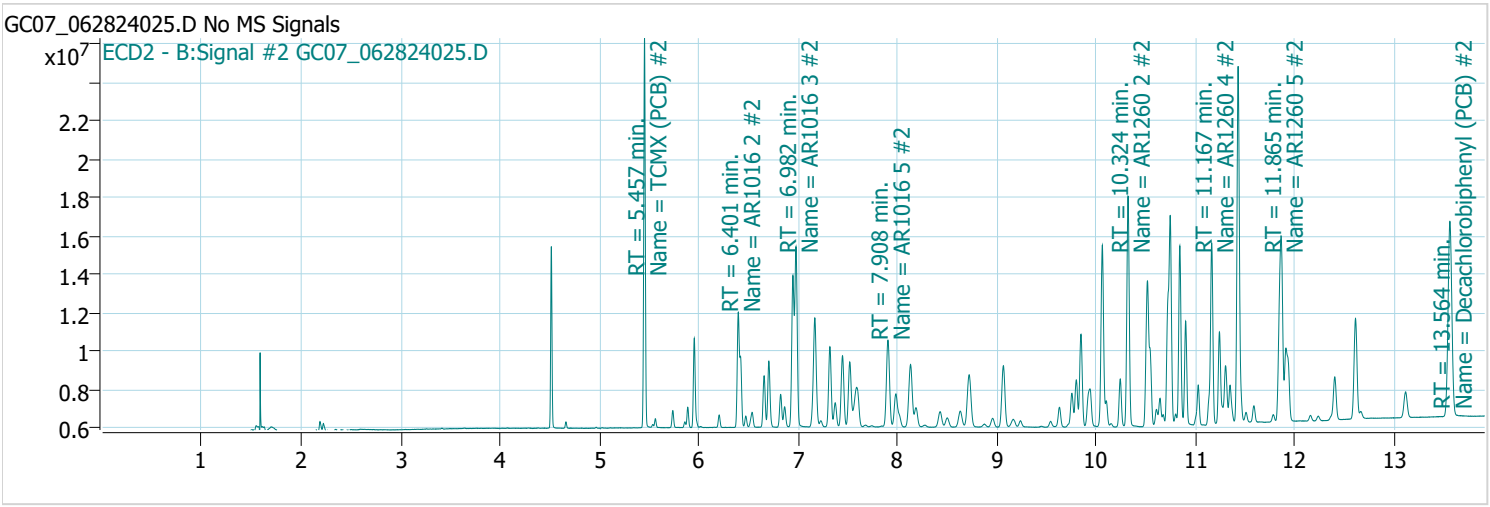
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9397	13.57	0.00	17397857				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:30:49 PM
Sample Name	ICAL, S20888	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



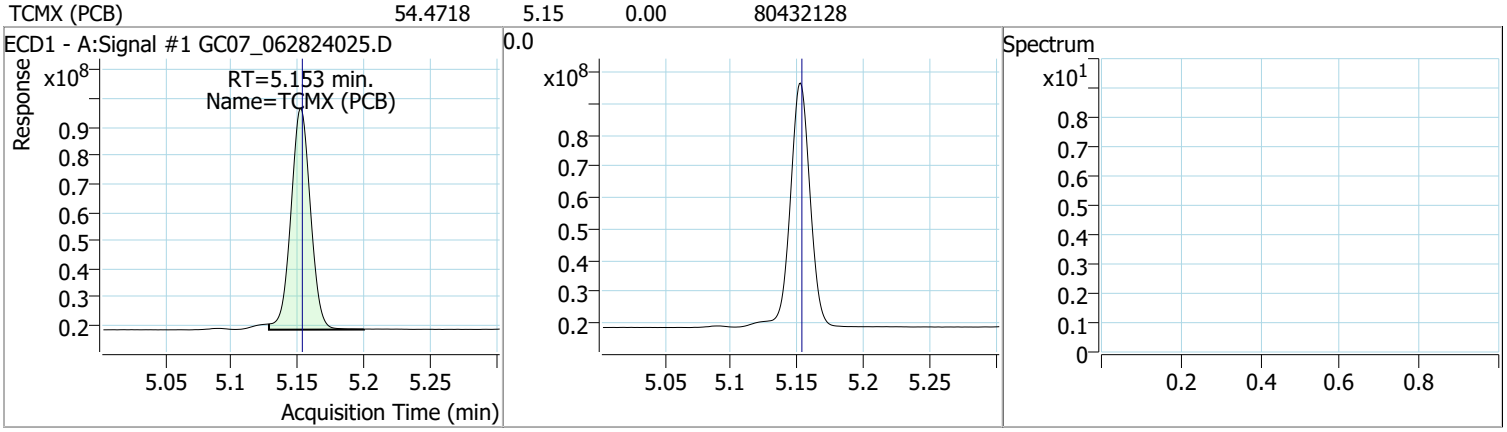


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31521008.606	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8732372.944	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	80432127.843	54.4718	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.36%		*	
S TCMX (PCB) #2	5.457	0.0	22613164.492	53.9889	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 269.94%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	96925538.200	55.7720	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.86%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	27480913.922	57.6059	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.03%		*	
Target Compounds							QValue

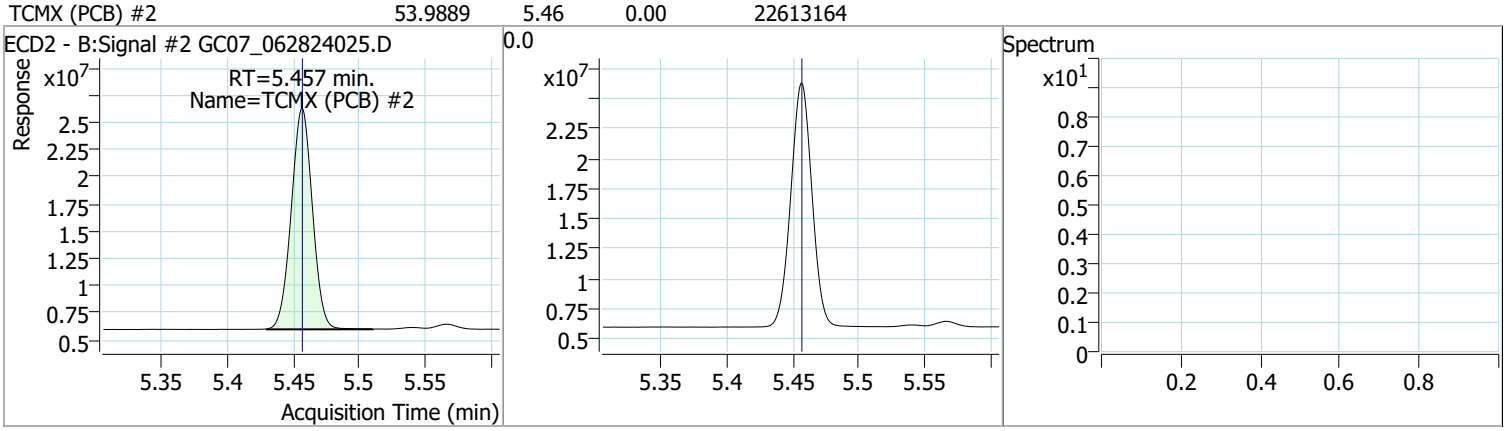
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	18625516.487	676.0044	ng/ml		100
T AR1016 2	5.857	0.0	39821970.978	695.7301	ng/ml		100
T AR1016 1 #2	5.958	0.0	6200185.220	672.4632	ng/ml		100
T AR1016 3	6.342	0.0	51592156.319	718.4537	ng/ml		100
T AR1016 2 #2	6.401	0.0	13186618.085	692.2341	ng/ml		100
T AR1016 4	6.490	0.0	33104238.283	691.1918	ng/ml	m	100
T AR1016 5	6.977	0.0	29391368.348	698.1409	ng/ml		100
T AR1016 3 #2	6.982	0.0	16217427.825	682.5976	ng/ml		100
T AR1016 4 #2	7.171	0.0	11905034.192	677.8469	ng/ml		100
T AR1016 5 #2	7.908	0.0	9906393.653	697.4031	ng/ml		100
T AR1260 1	8.969	0.0	57310265.357	678.7522	ng/ml		100
T AR1260 2	9.419	0.0	88600636.007	687.0600	ng/ml		100
T AR1260 3	9.829	0.0	99715428.343	718.6686	ng/ml	m	100
T AR1260 1 #2	10.066	0.0	17249631.332	682.7888	ng/ml		100
T AR1260 4	10.297	0.0	58329005.693	727.1466	ng/ml		100
T AR1260 2 #2	10.324	0.0	20569819.238	648.1198	ng/ml		100
T AR1260 3 #2	10.749	0.0	25623427.839	670.7251	ng/ml		100
T AR1260 5	10.970	0.0	68834711.095	716.6105	ng/ml		100
T AR1260 4 #2	11.167	0.0	17176003.220	711.0318	ng/ml		100
T AR1260 5 #2	11.865	0.0	24458563.683	682.0165	ng/ml		100

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

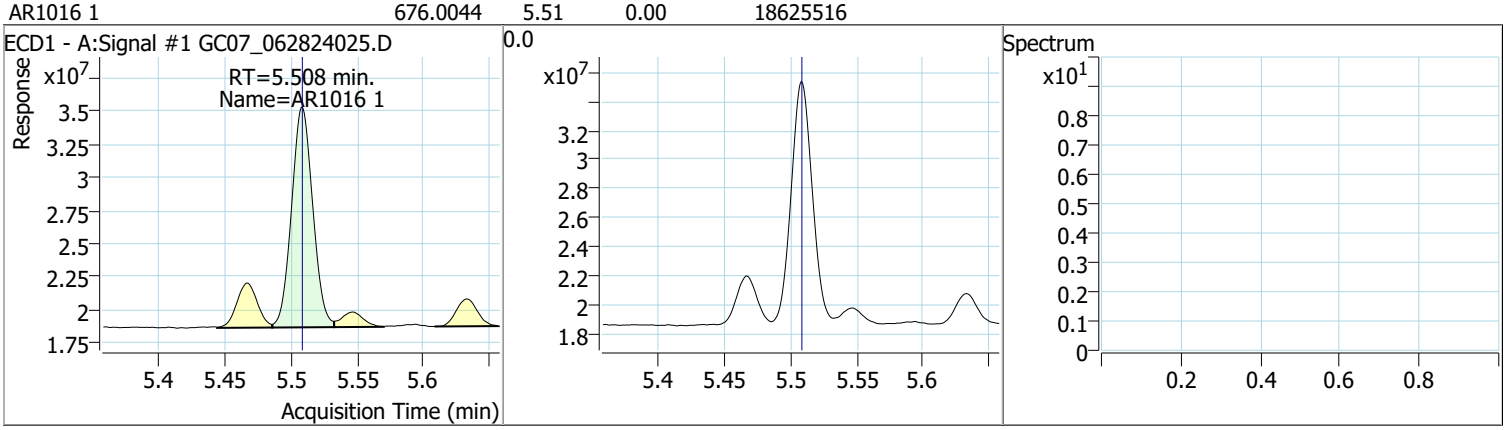
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4718	5.15	0.00	80432128				



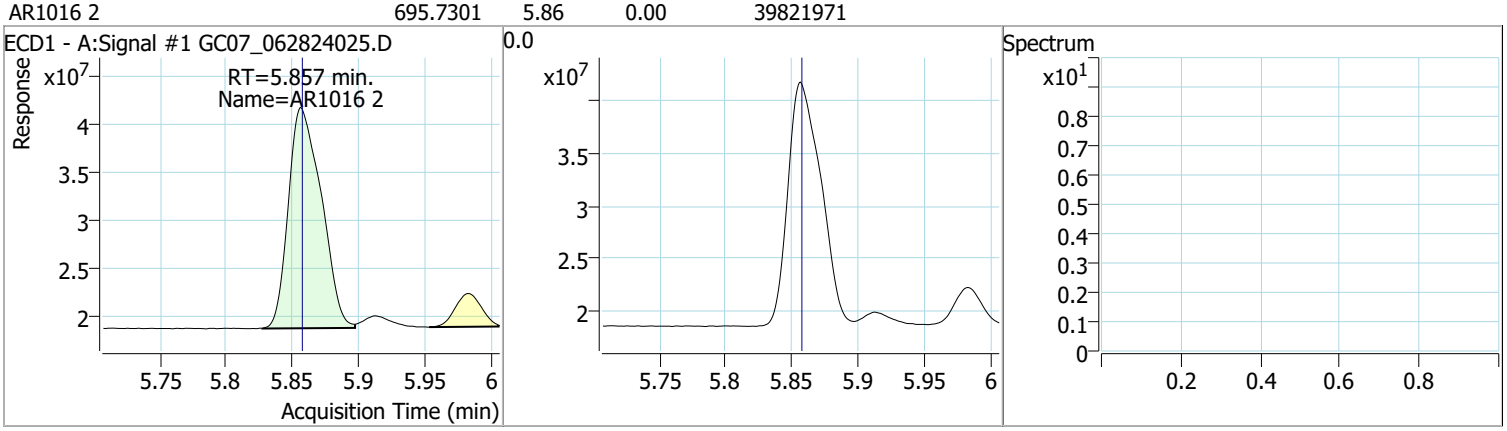
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.9889	5.46	0.00	22613164				



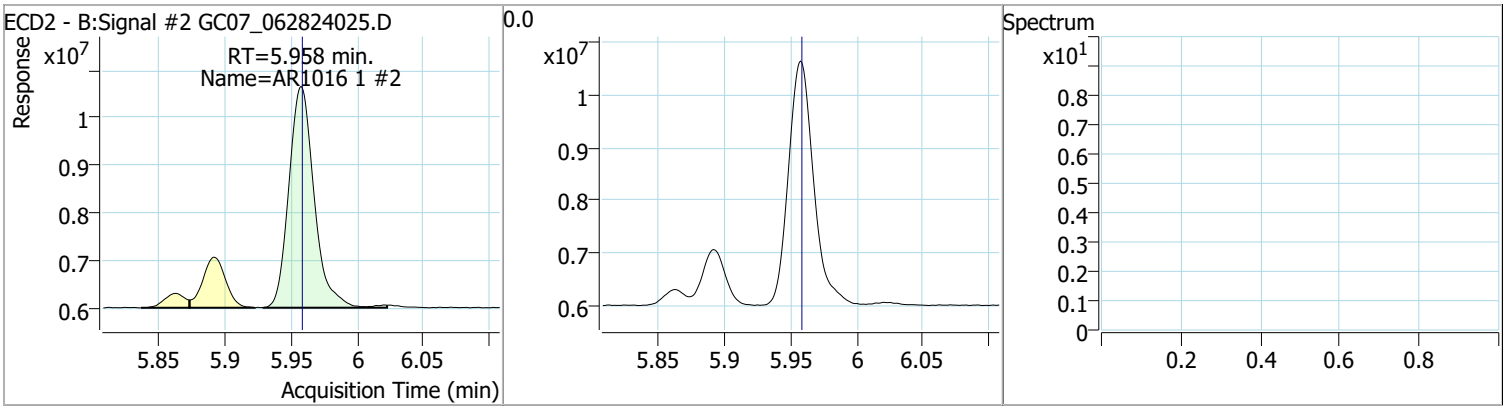
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	676.0044	5.51	0.00	18625516				



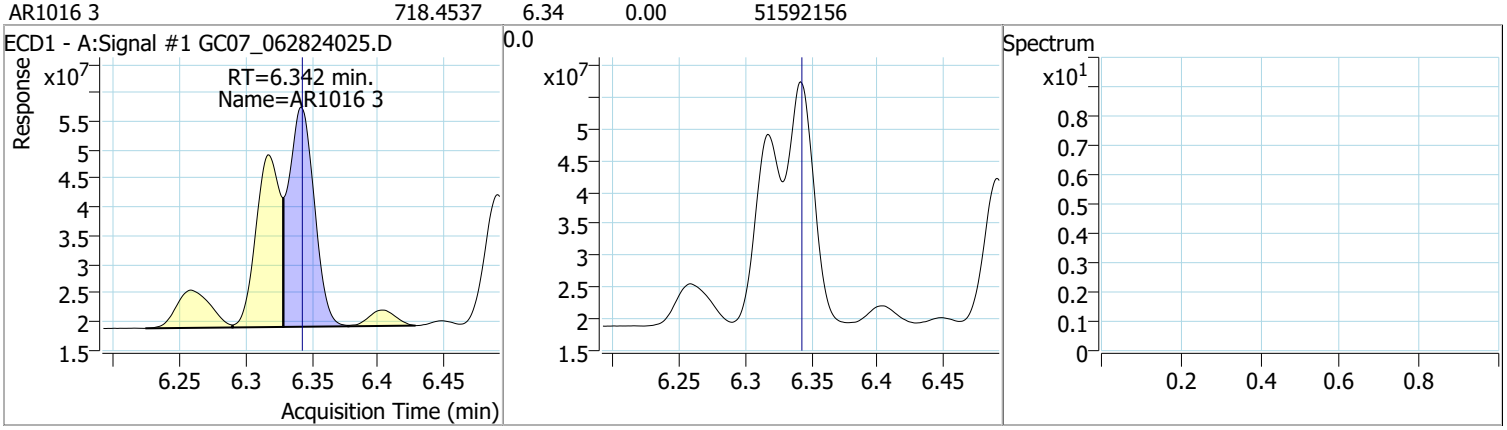
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.7301	5.86	0.00	39821971				



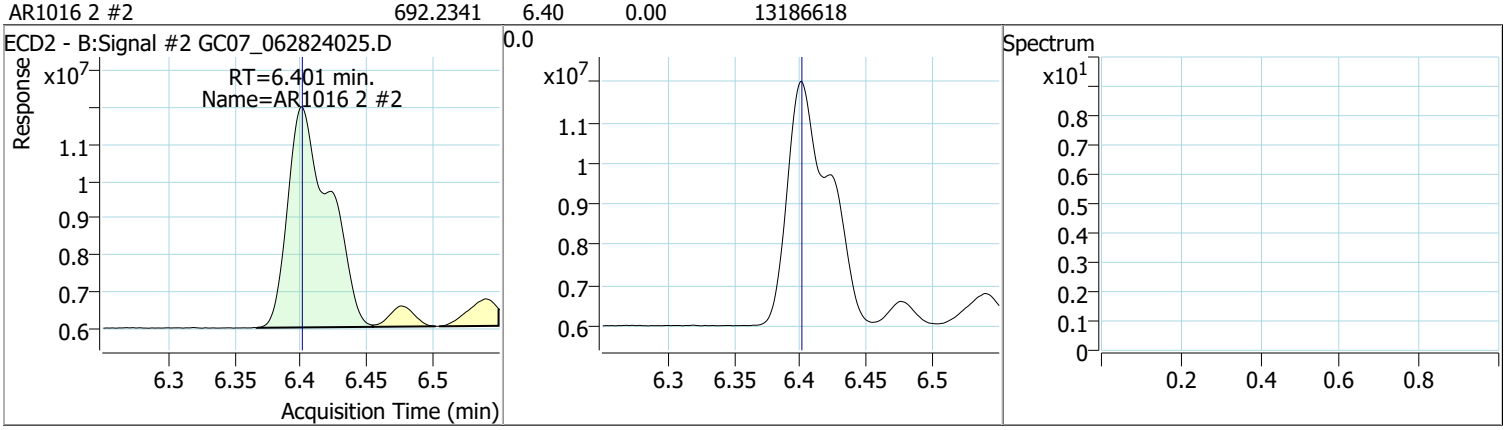
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	672.4632	5.96	0.00	6200185				



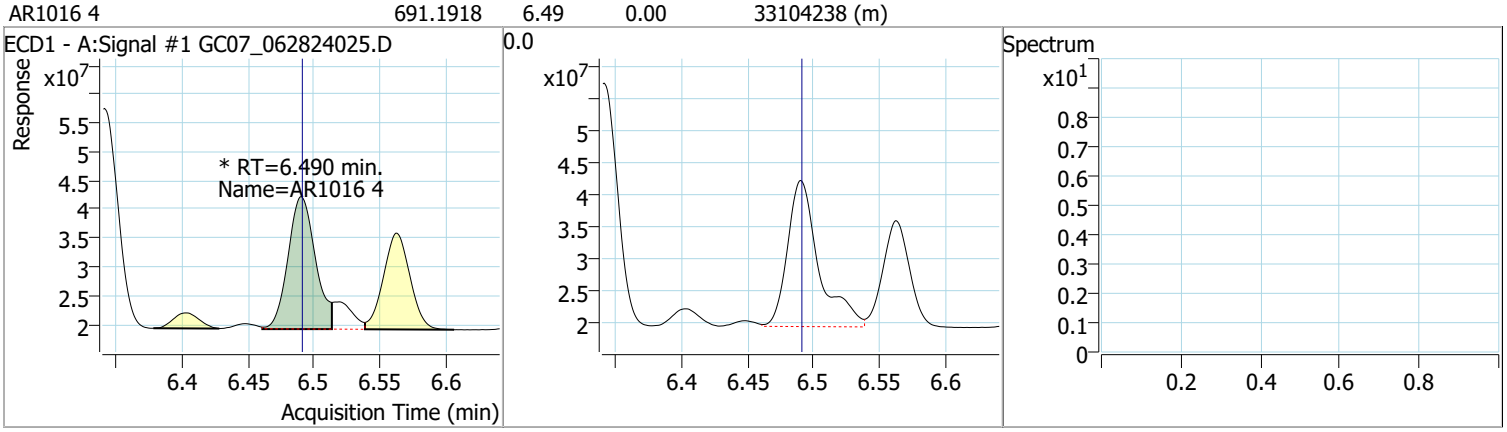
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	718.4537	6.34	0.00	51592156				



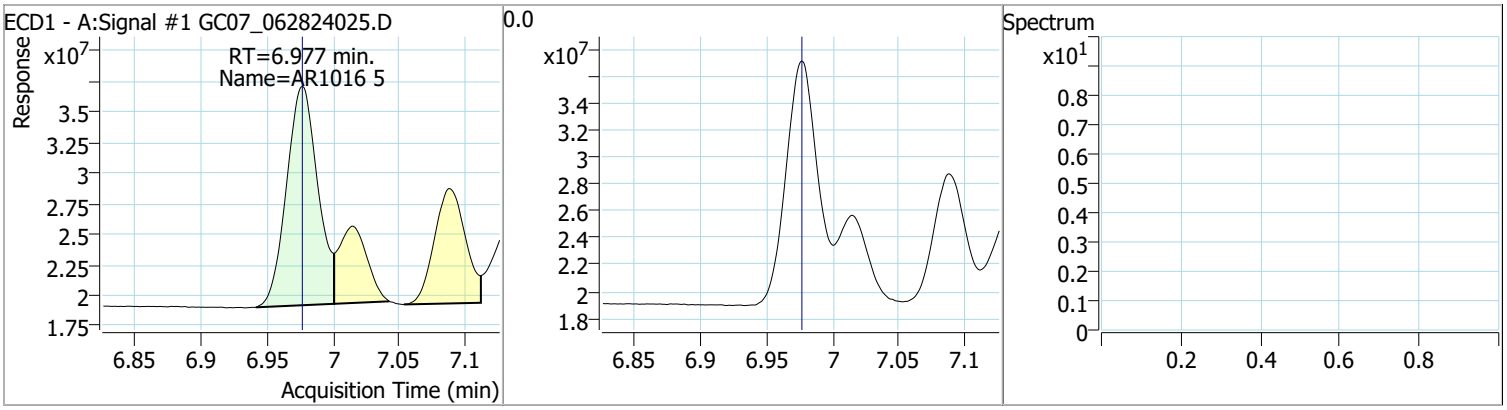
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	692.2341	6.40	0.00	13186618				



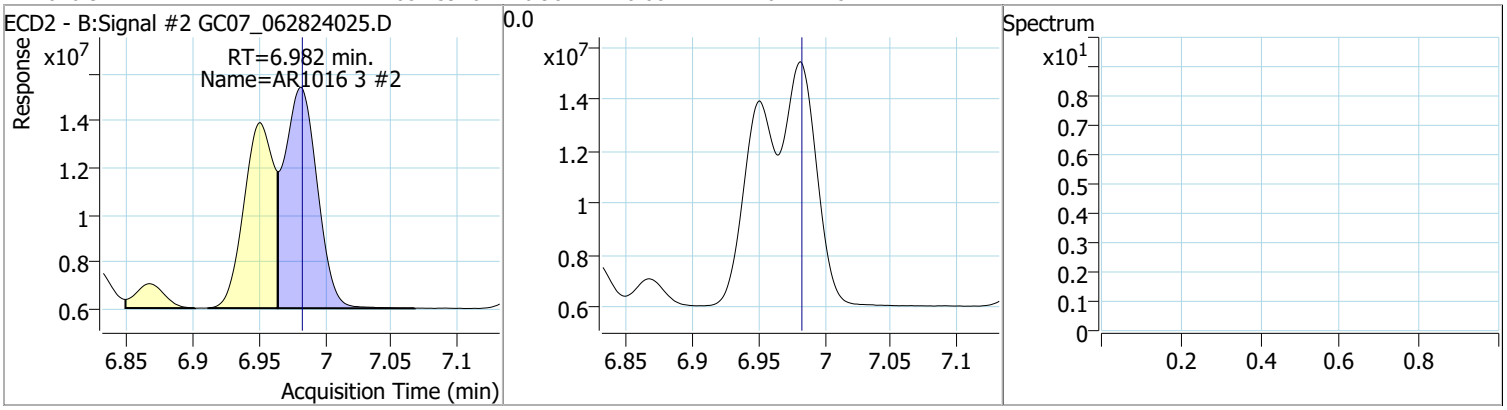
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	691.1918	6.49	0.00	33104238 (m)				



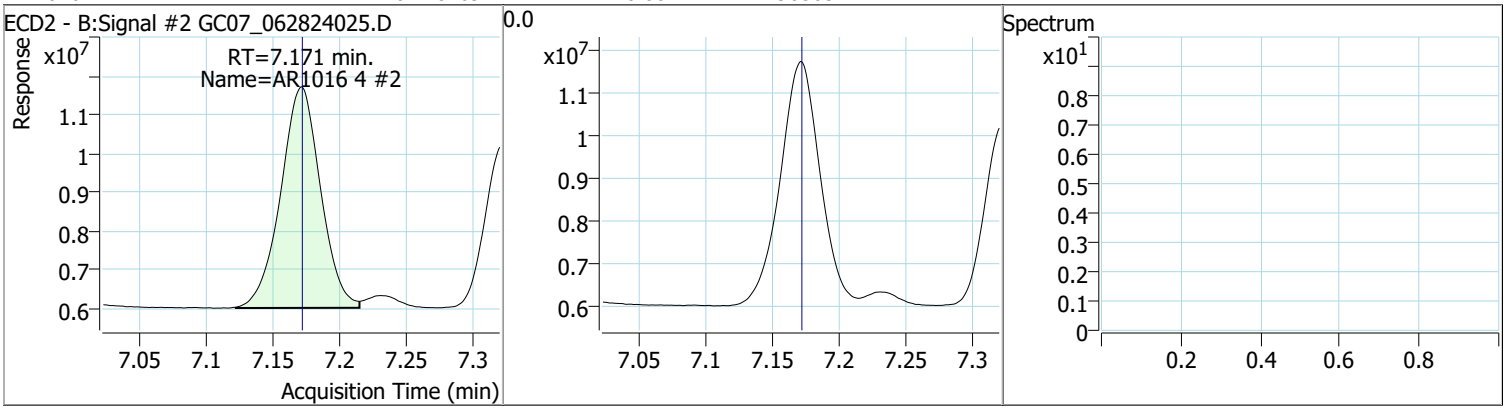
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	698.1409	6.98	0.00	29391368				



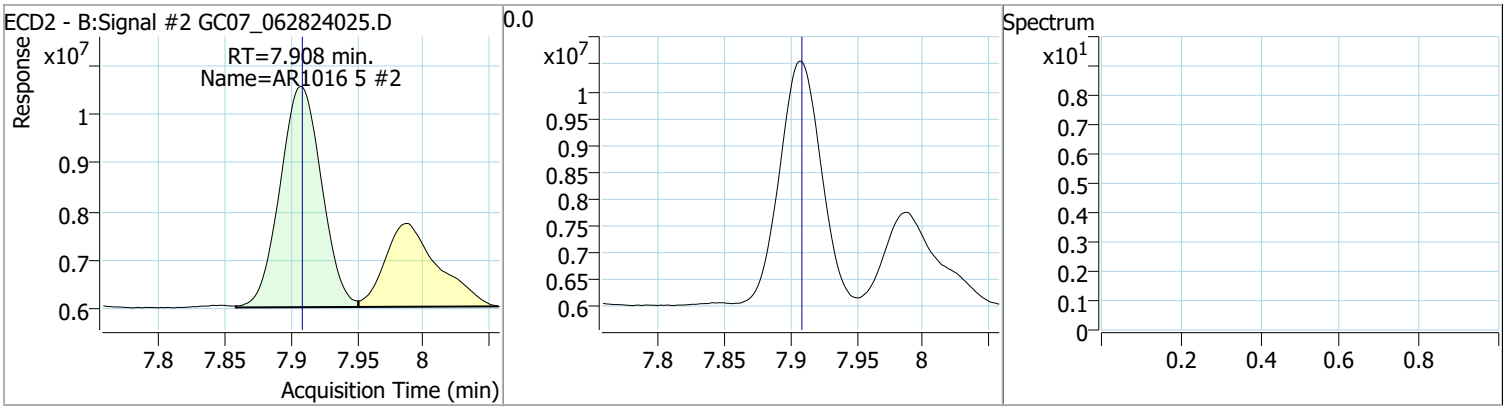
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	682.5976	6.98	0.00	16217428				



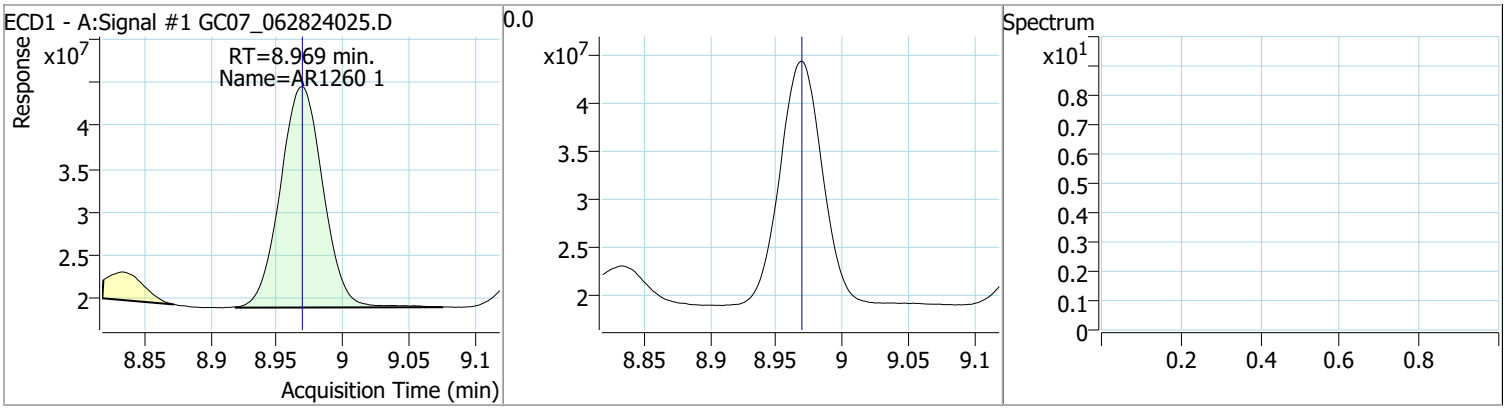
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	677.8469	7.17	0.00	11905034				



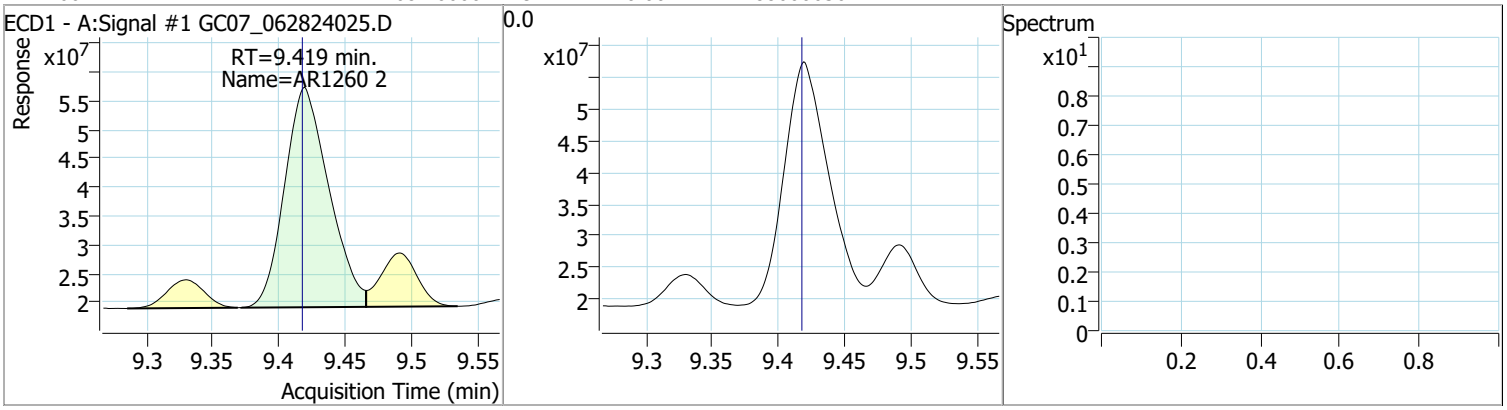
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	697.4031	7.91	0.00	9906394				



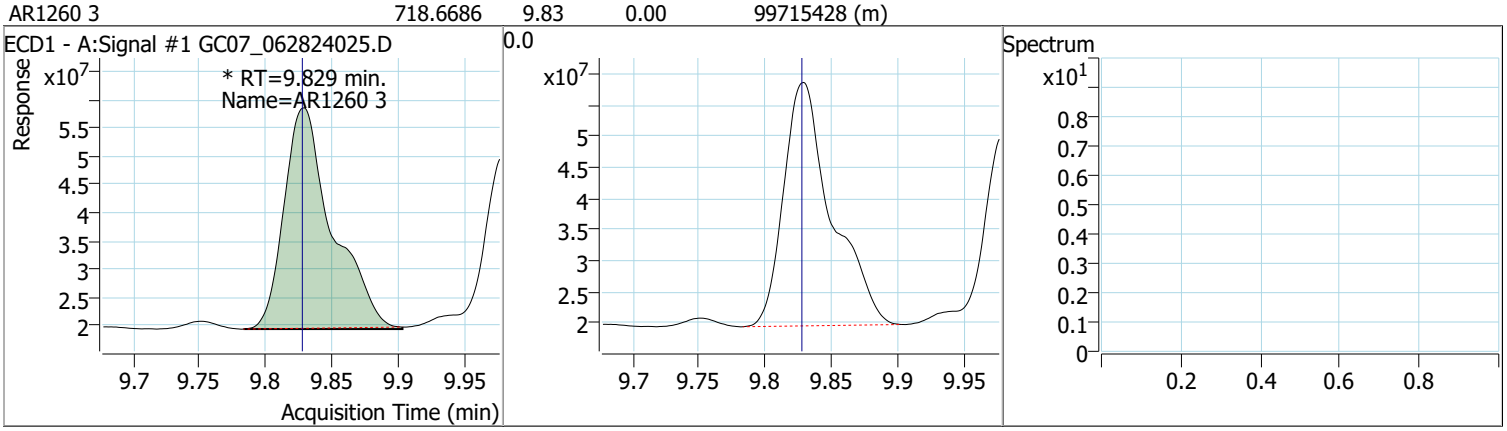
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	678.7522	8.97	0.00	57310265				



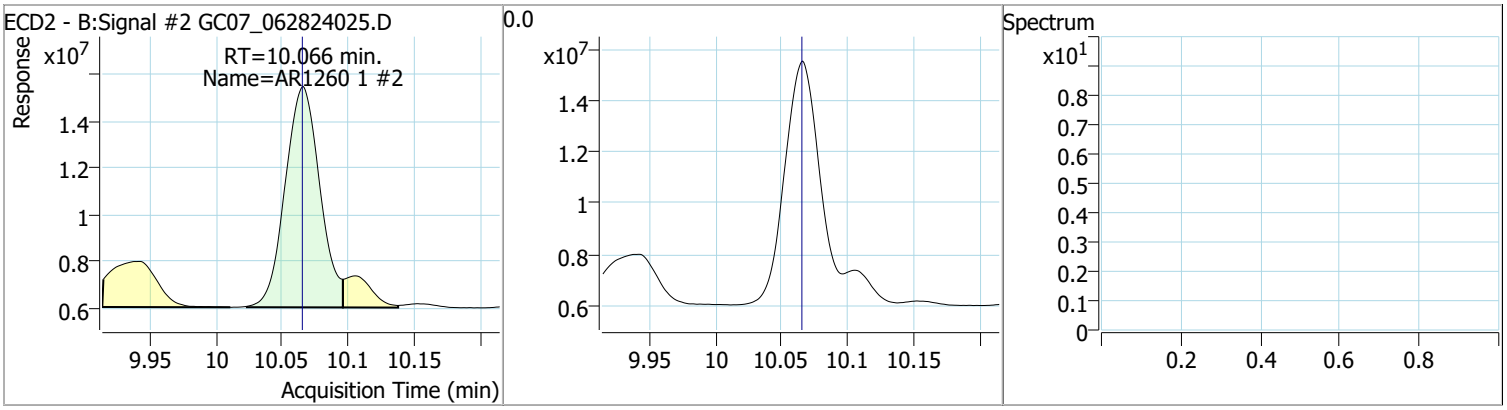
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	687.0600	9.42	0.00	88600636				



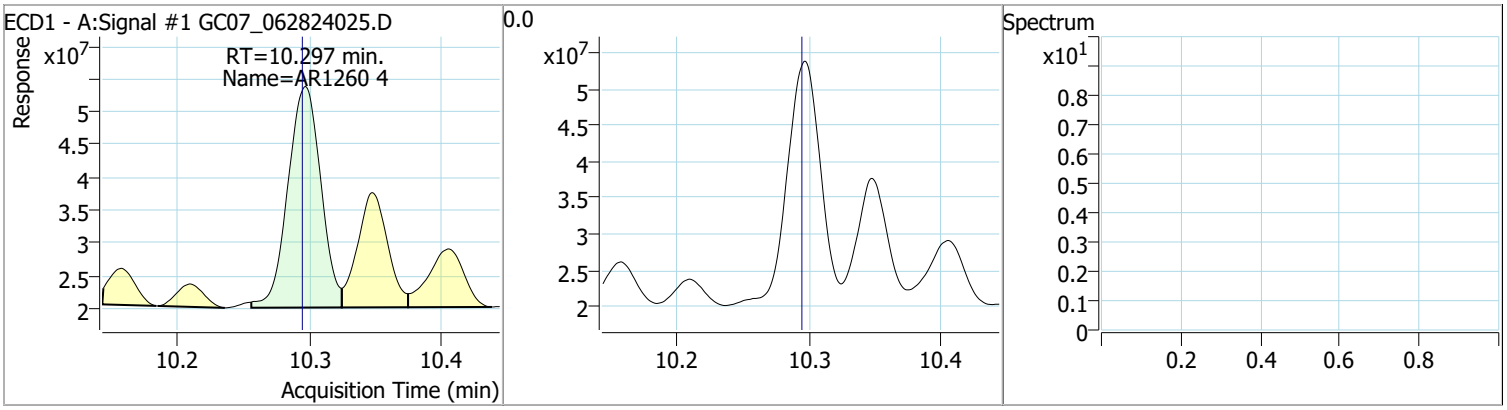
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	718.6686	9.83	0.00	99715428 (m)				



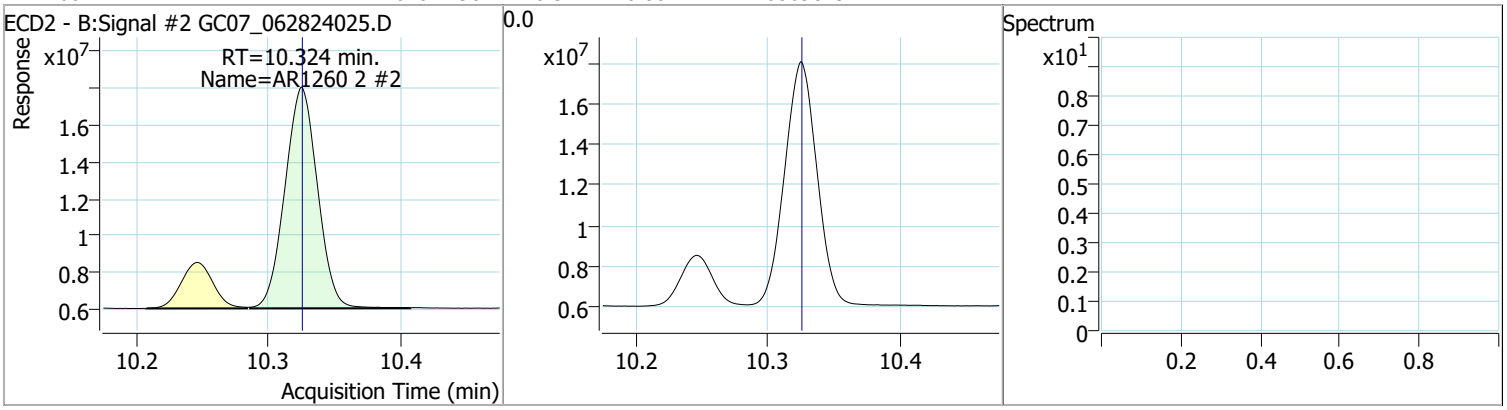
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	682.7888	10.07	0.00	17249631				



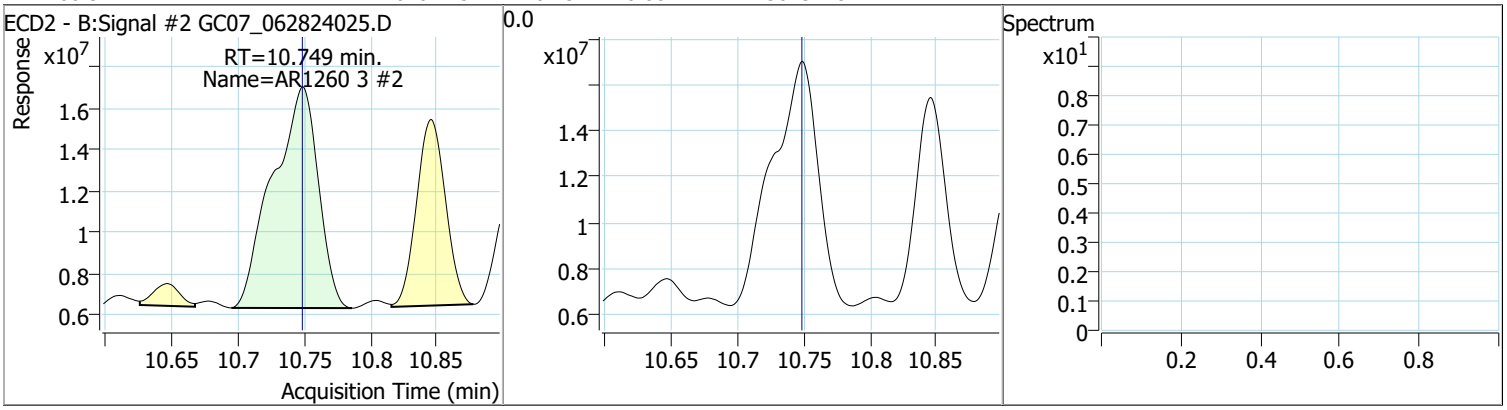
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	727.1466	10.30	0.00	58329006				



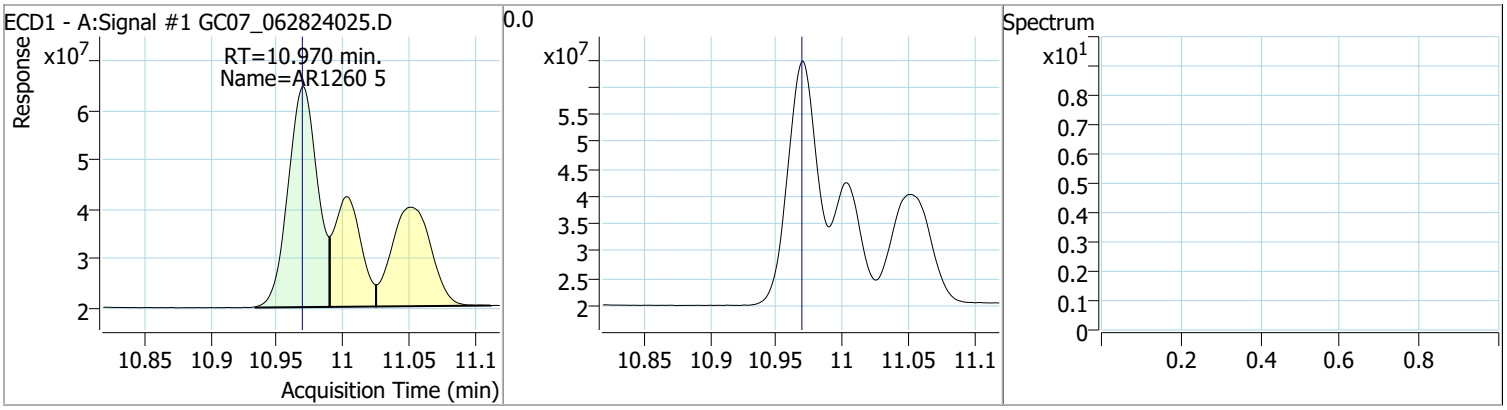
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	648.1198	10.32	0.00	20569819				



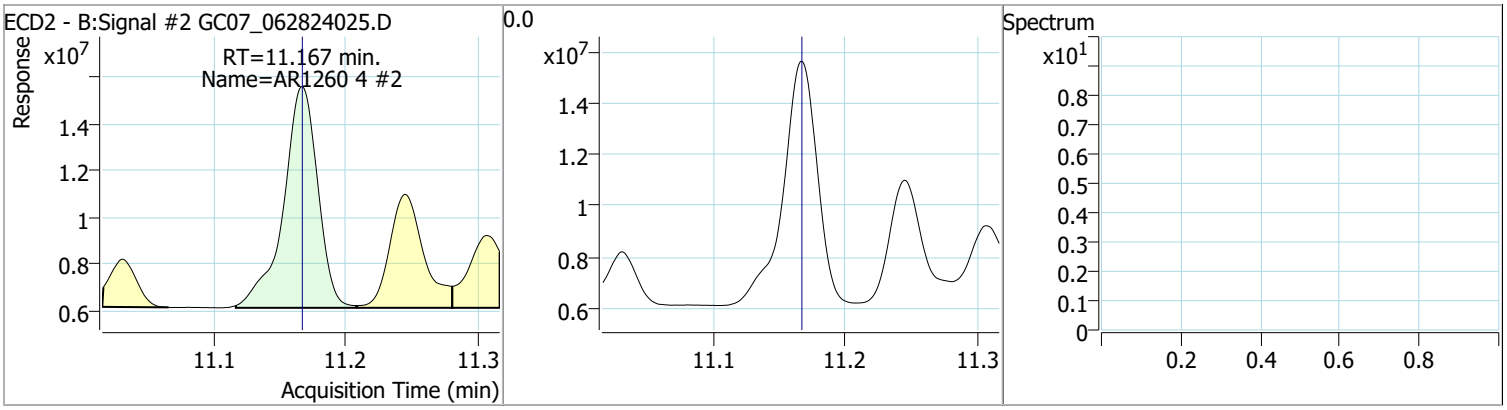
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	670.7251	10.75	0.00	25623428				



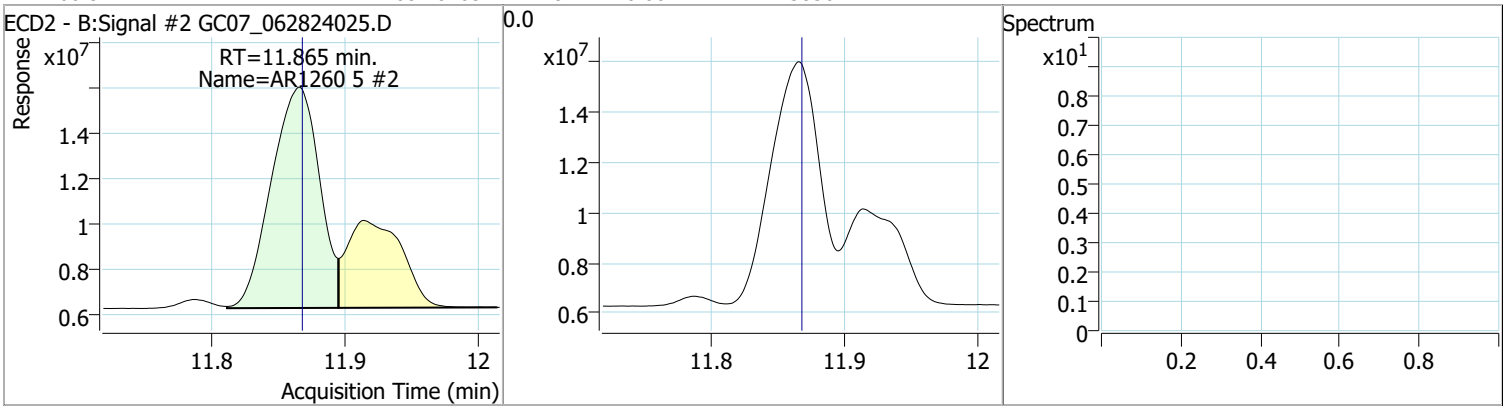
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	716.6105	10.97	0.00	68834711				



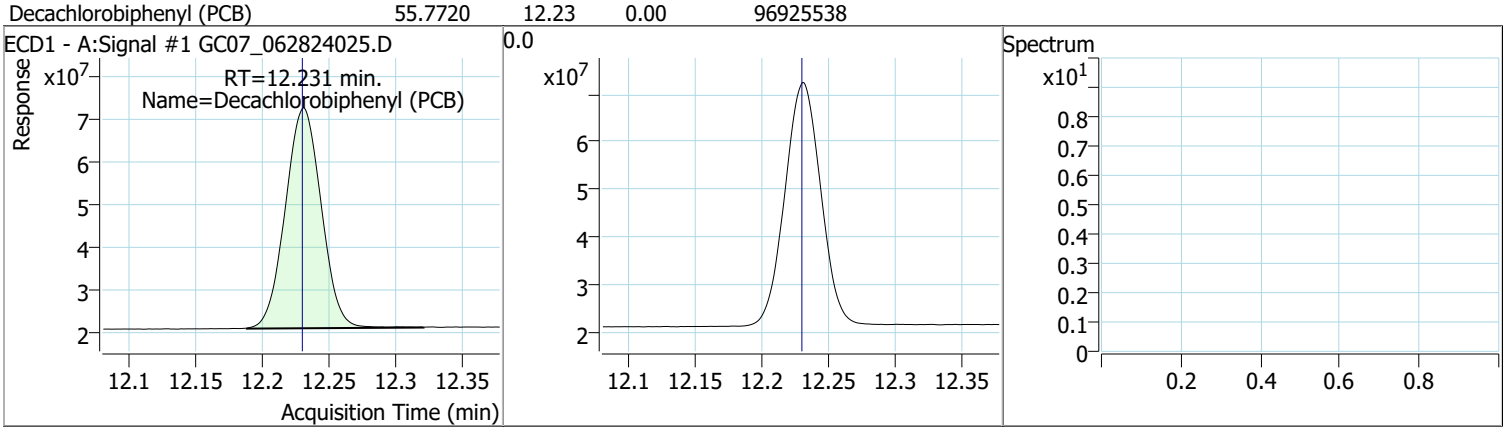
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	711.0318	11.17	0.00	17176003				



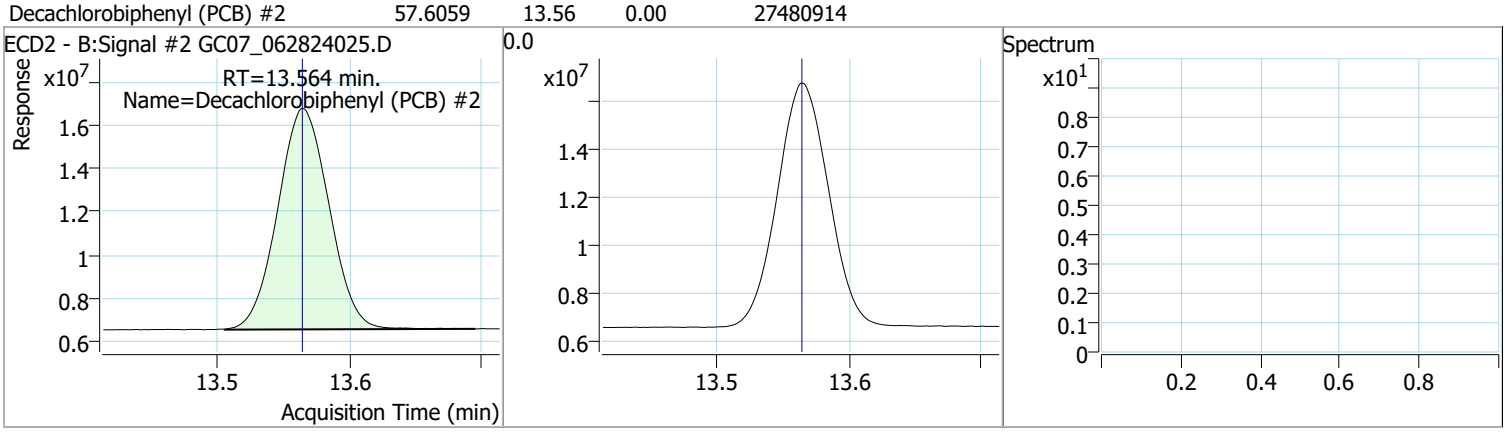
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	682.0165	11.87	0.00	24458564				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	55.7720	12.23	0.00	96925538				

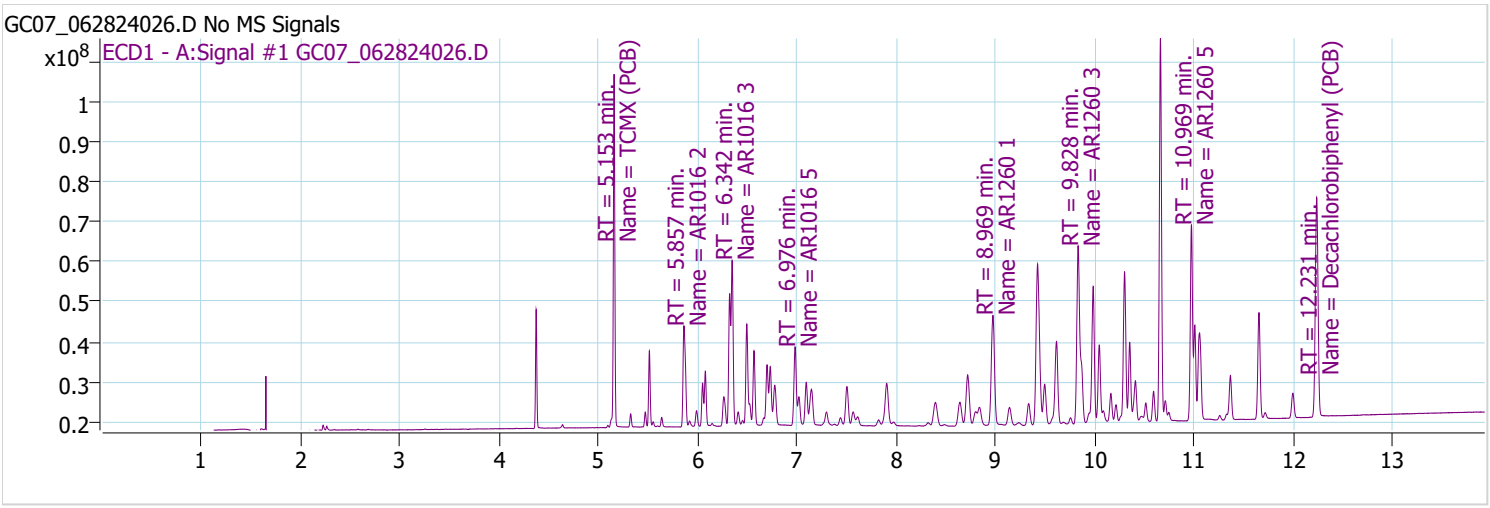


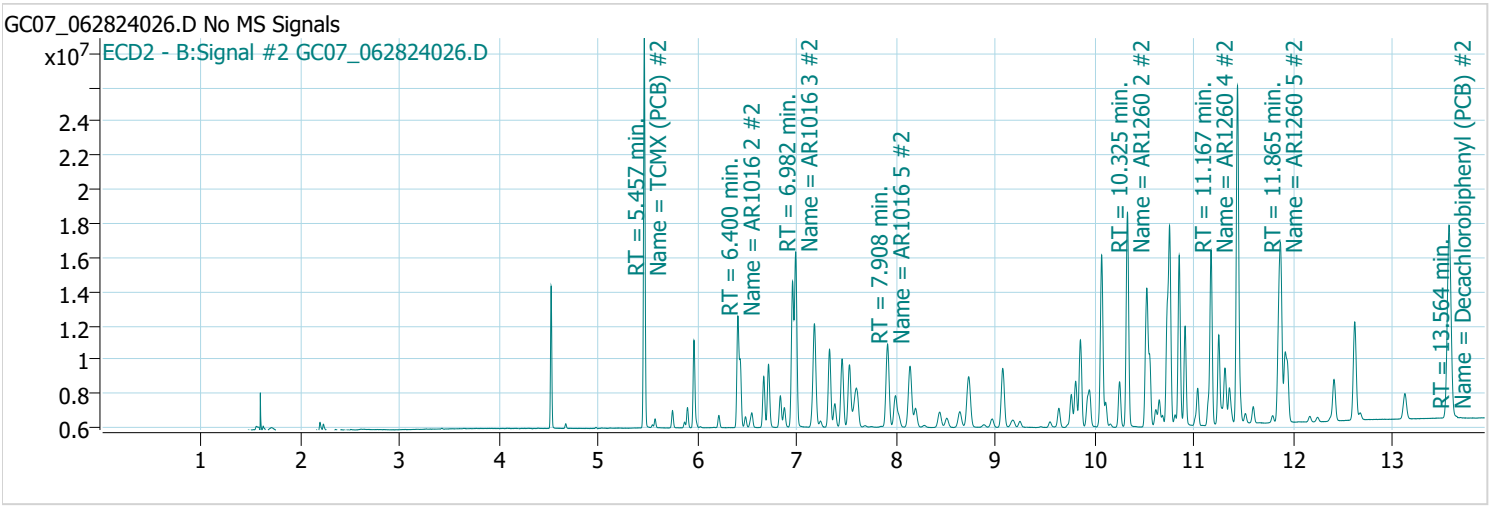
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.6059	13.56	0.00	27480914				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:48:13 PM
Sample Name	ICAL, S20889	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



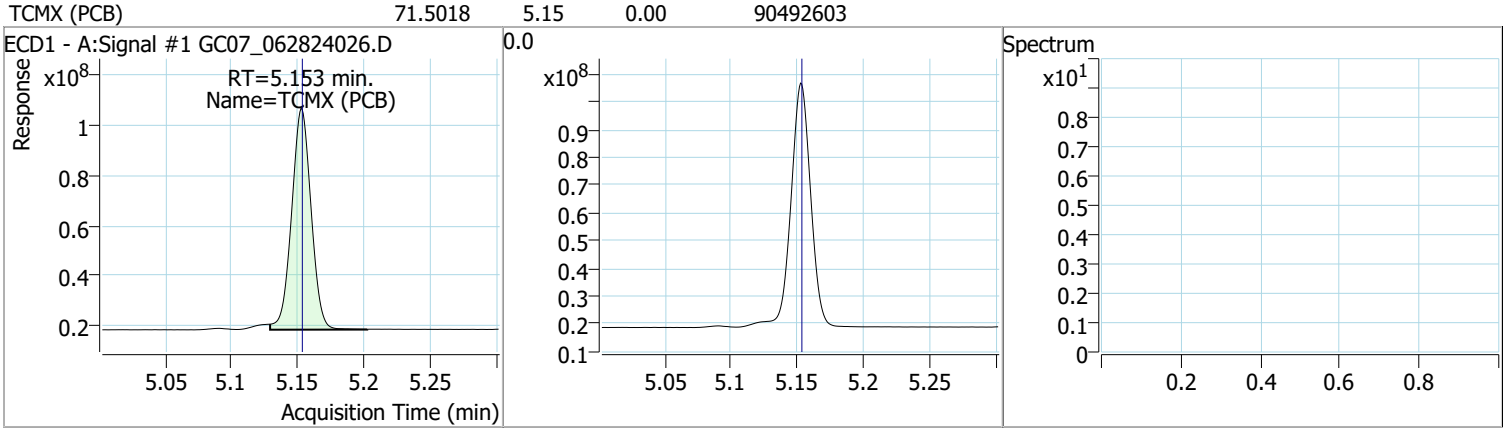


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	27017088.241	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7490916.324	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	90492602.617	71.5018	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.51%		*	
S TCMX (PCB) #2	5.457	0.0	25164397.560	70.0370	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.18%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	106879257.653	71.7518	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 358.76%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	30482147.108	74.4867	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.43%		*	
Target Compounds							QValue

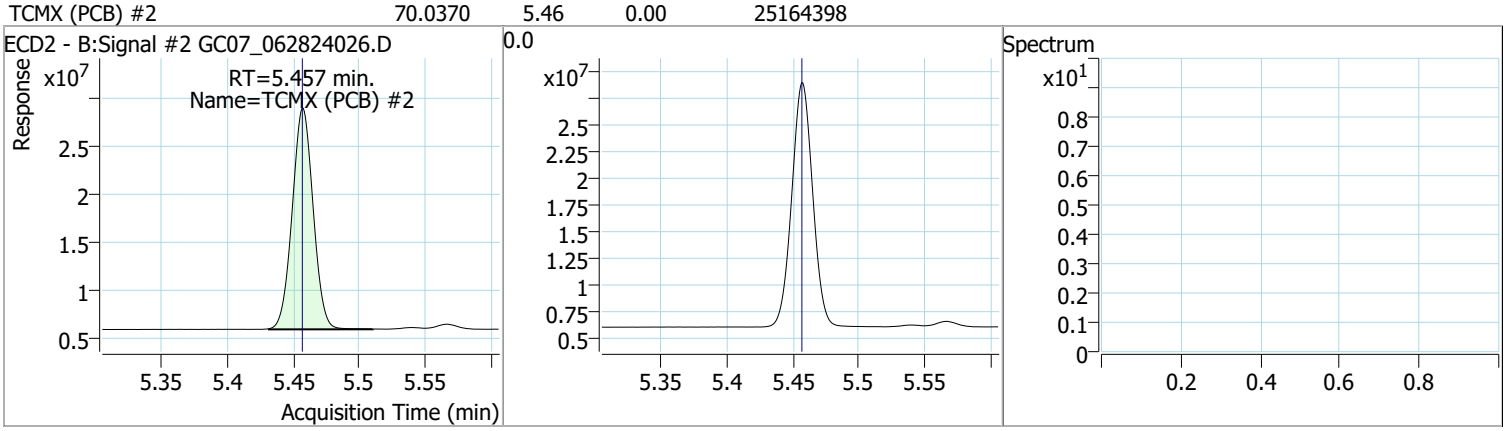
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	20817931.570	881.5366	ng/ml		100
T AR1016 2	5.857	0.0	44008986.093	897.0589	ng/ml		100
T AR1016 1 #2	5.958	0.0	6783093.230	857.6084	ng/ml		100
T AR1016 3	6.342	0.0	58055063.441	943.2282	ng/ml		100
T AR1016 2 #2	6.400	0.0	14433160.359	883.2391	ng/ml		100
T AR1016 4	6.490	0.0	36860975.814	897.9318	ng/ml	m	100
T AR1016 5	6.976	0.0	32670578.049	905.4024	ng/ml		100
T AR1016 3 #2	6.982	0.0	17619837.490	864.5339	ng/ml		100
T AR1016 4 #2	7.171	0.0	13022775.878	864.3743	ng/ml		100
T AR1016 5 #2	7.908	0.0	10783865.235	884.9935	ng/ml		100
T AR1260 1	8.969	0.0	62257475.280	860.2643	ng/ml		100
T AR1260 2	9.419	0.0	96574670.327	873.7408	ng/ml		100
T AR1260 3	9.828	0.0	107868556.250	907.0323	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	18562011.107	856.5031	ng/ml		100
T AR1260 4	10.295	0.0	63669929.407	926.0476	ng/ml		100
T AR1260 2 #2	10.325	0.0	22137646.949	813.1181	ng/ml		100
T AR1260 3 #2	10.748	0.0	27748156.389	846.7180	ng/ml		100
T AR1260 5	10.969	0.0	76175016.781	925.2302	ng/ml		100
T AR1260 4 #2	11.167	0.0	18498356.429	892.6833	ng/ml		100
T AR1260 5 #2	11.865	0.0	26651576.006	866.3316	ng/ml		100

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

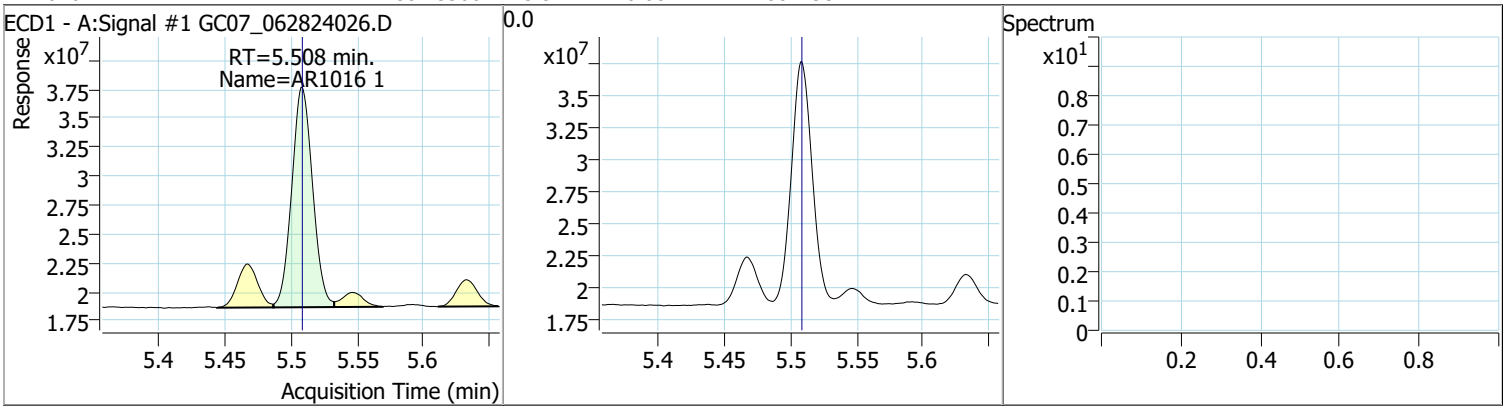
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	71.5018	5.15	0.00	90492603				



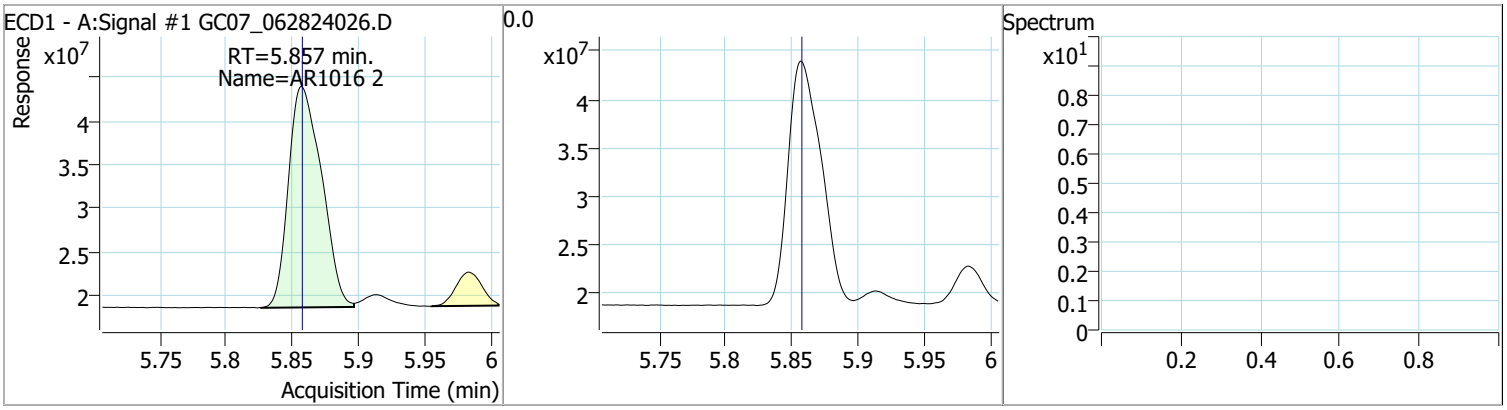
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	70.0370	5.46	0.00	25164398				



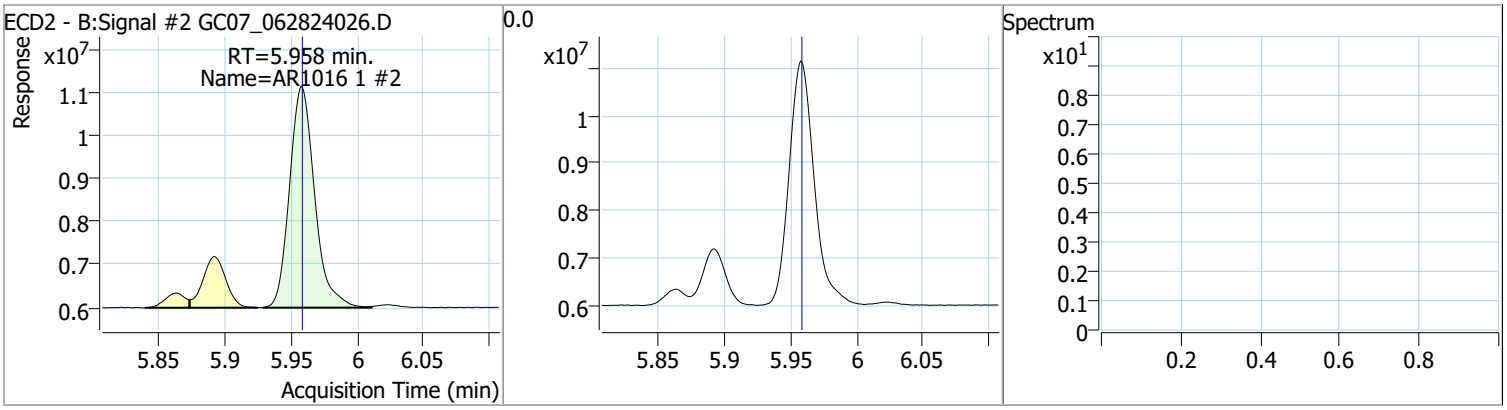
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	881.5366	5.51	0.00	20817932				



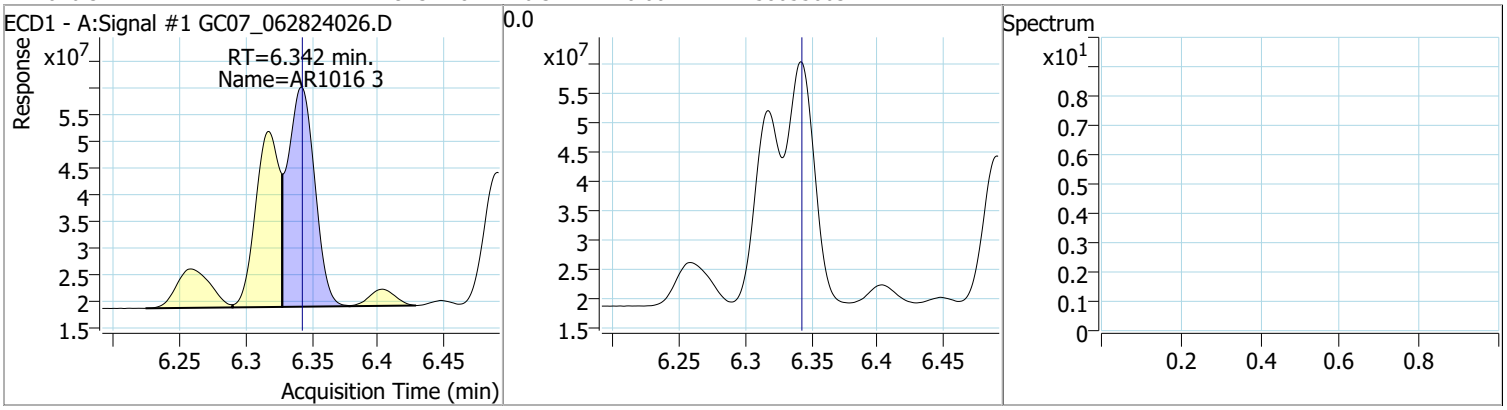
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	897.0589	5.86	0.00	44008986				



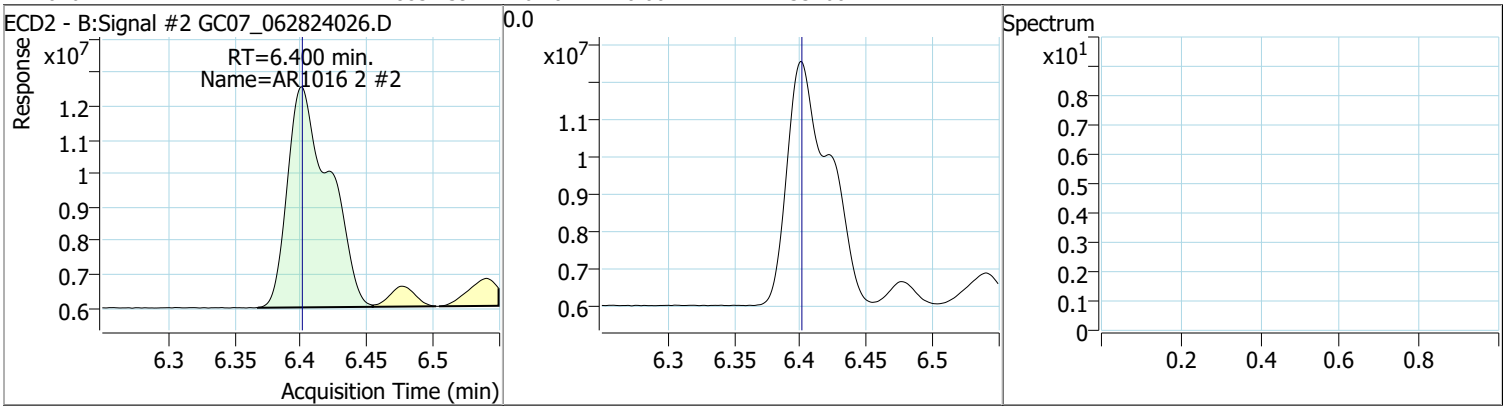
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	857.6084	5.96	0.00	6783093				



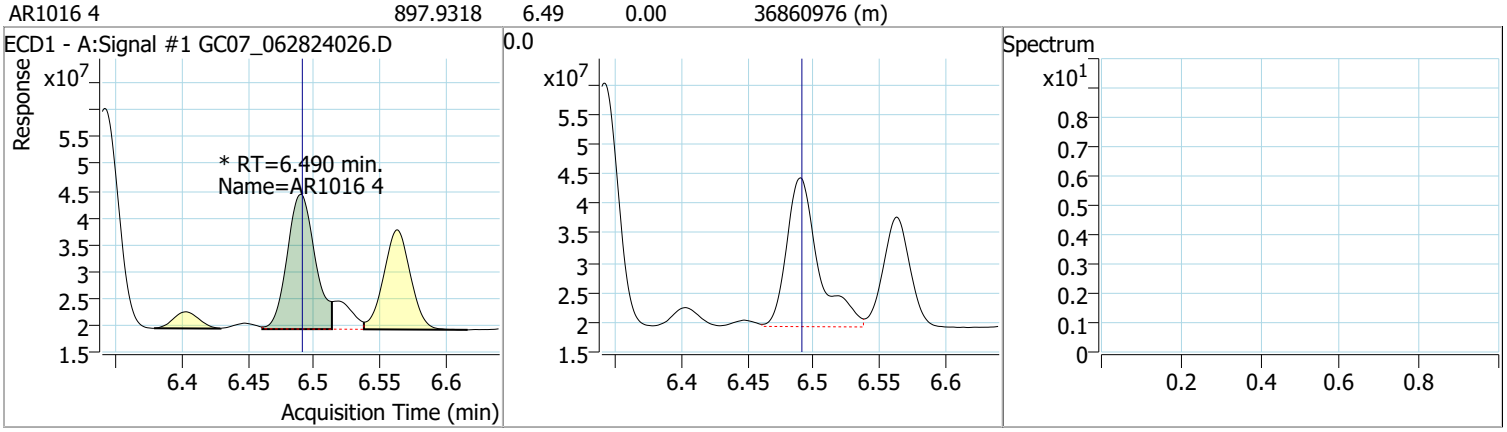
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	943.2282	6.34	0.00	58055063				



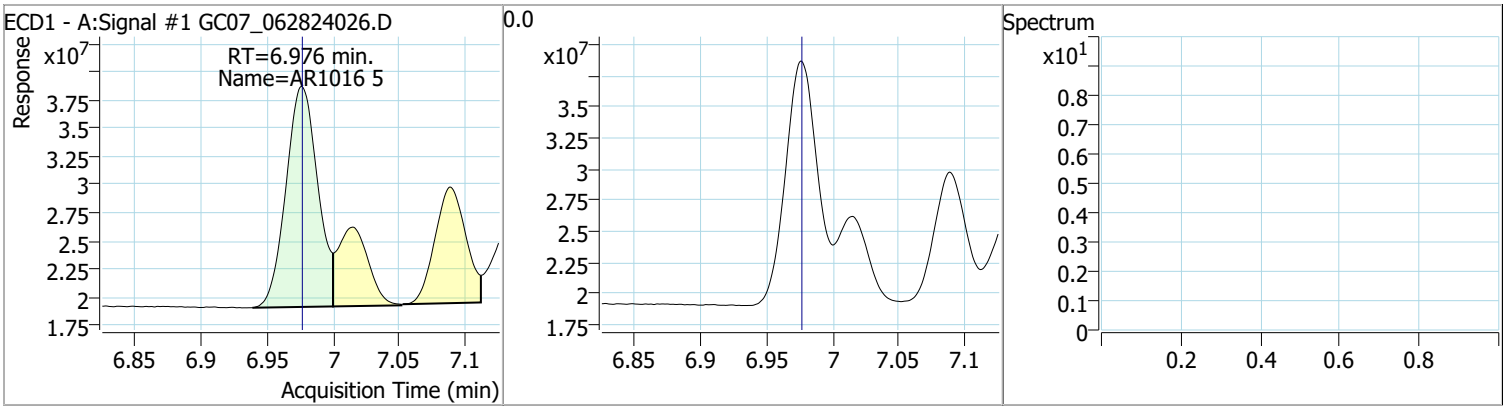
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	883.2391	6.40	0.00	14433160				



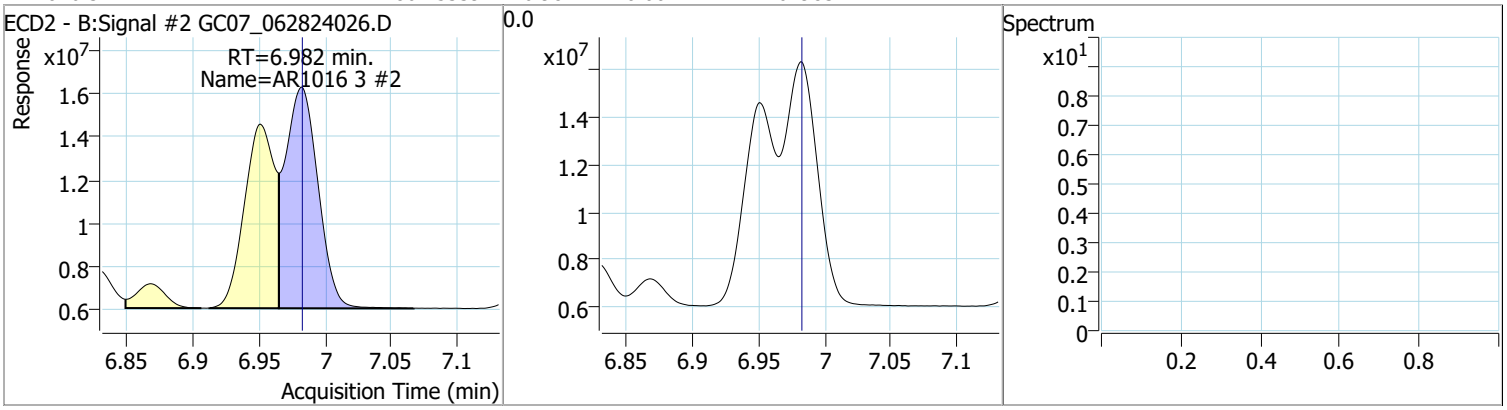
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	897.9318	6.49	0.00	36860976 (m)				



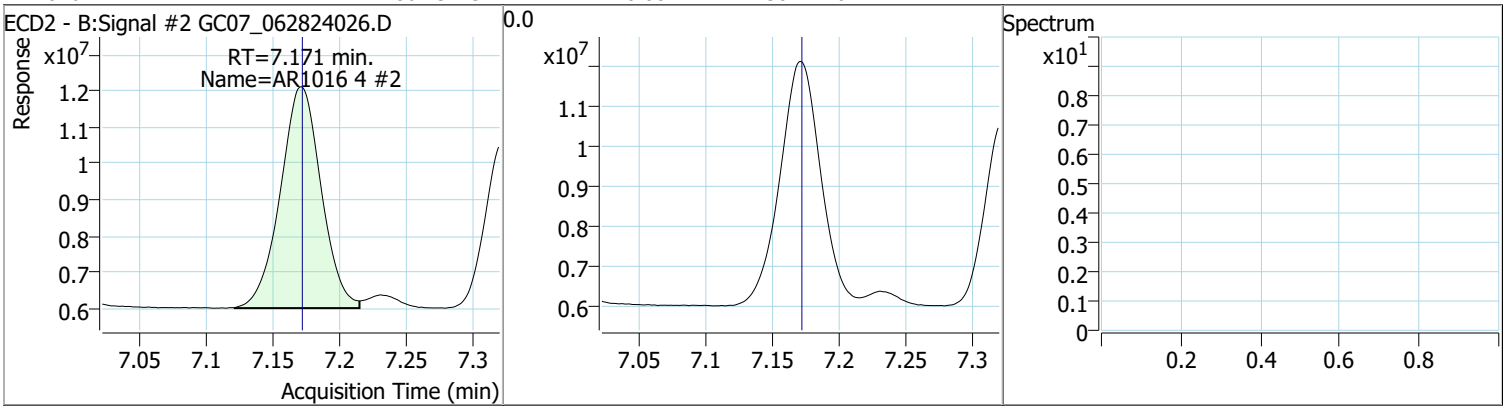
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	905.4024	6.98	0.00	32670578				



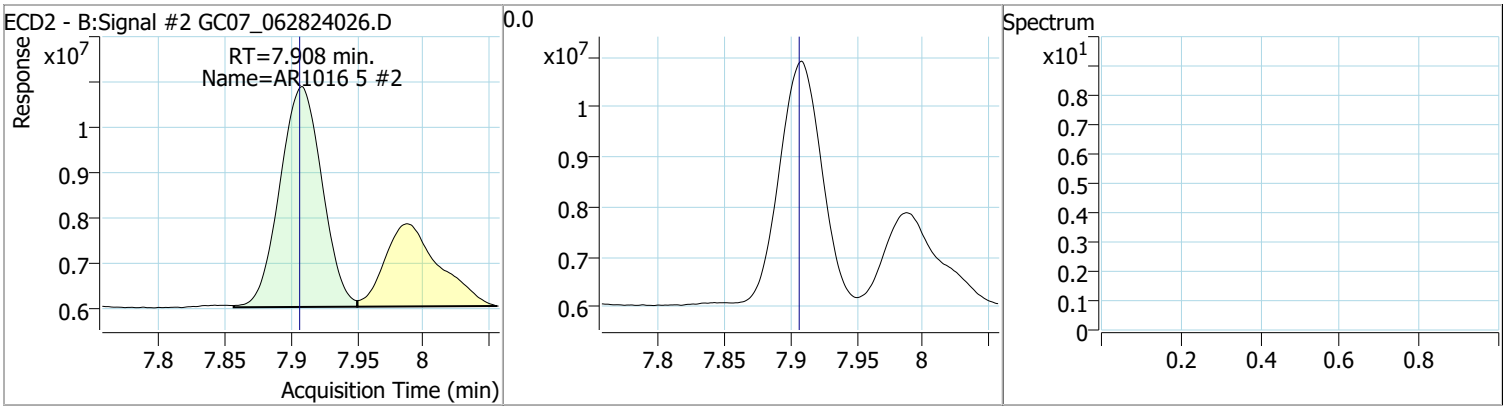
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	864.5339	6.98	0.00	17619837				



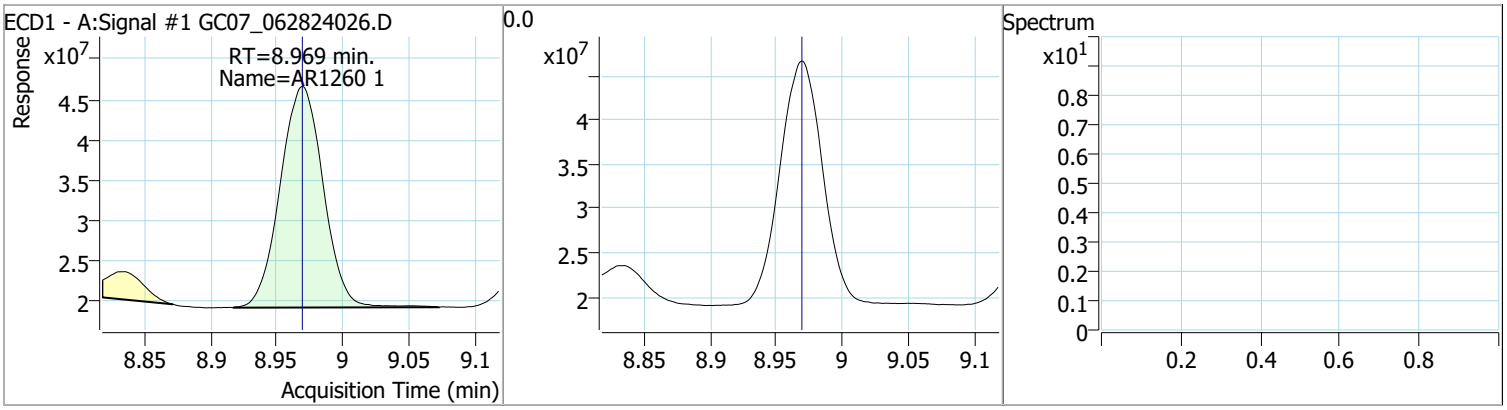
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	864.3743	7.17	0.00	13022776				



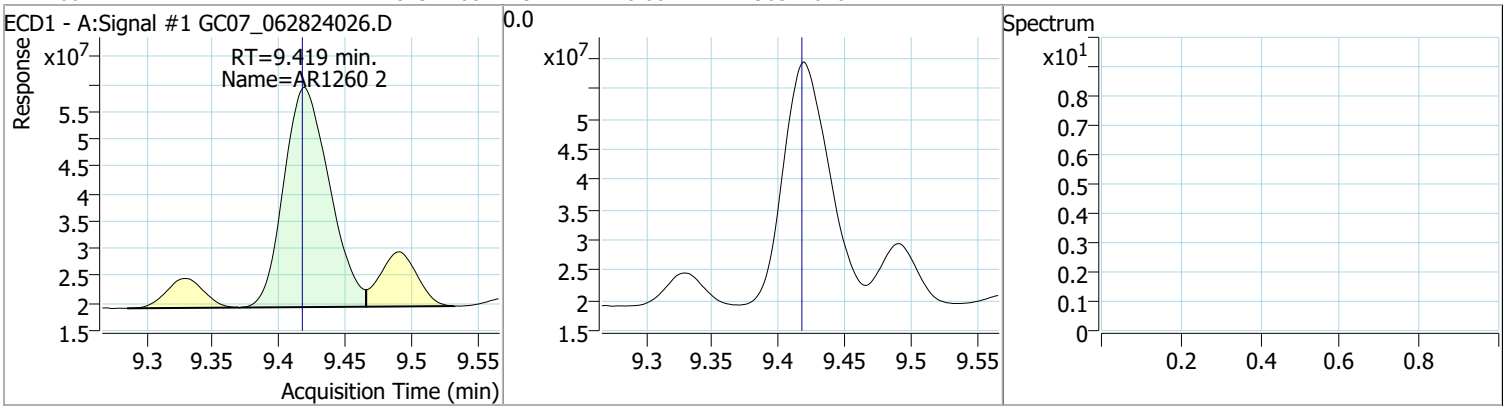
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	884.9935	7.91	0.00	10783865				



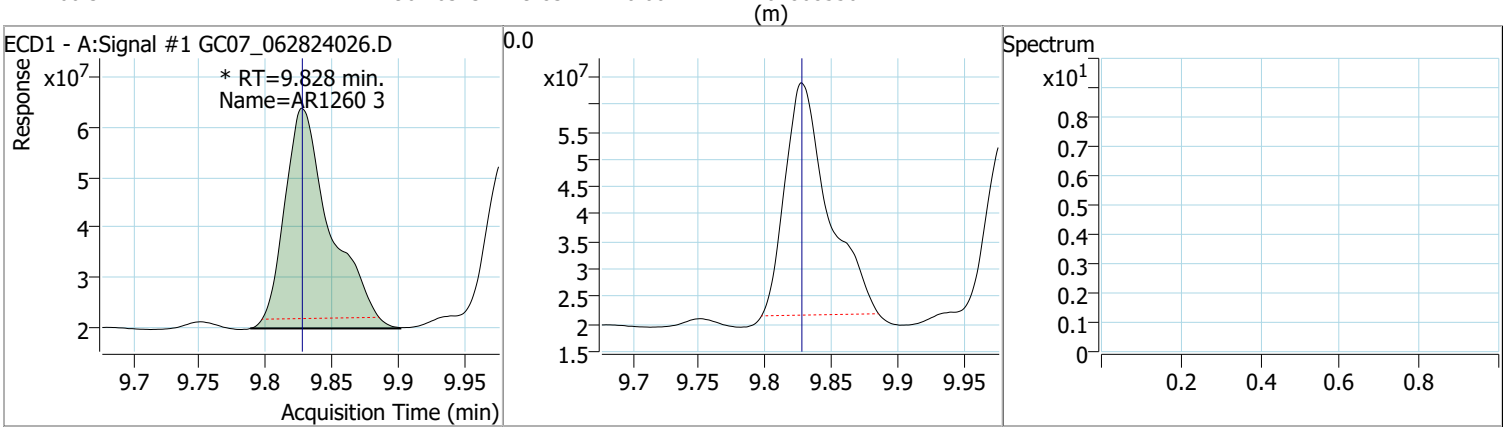
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	860.2643	8.97	0.00	62257475				



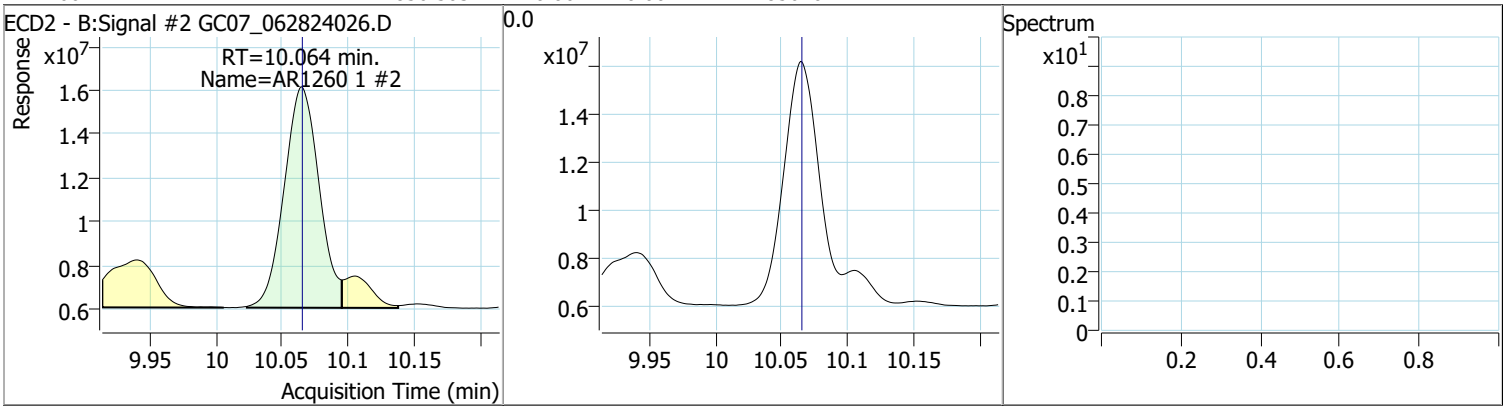
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	873.7408	9.42	0.00	96574670				



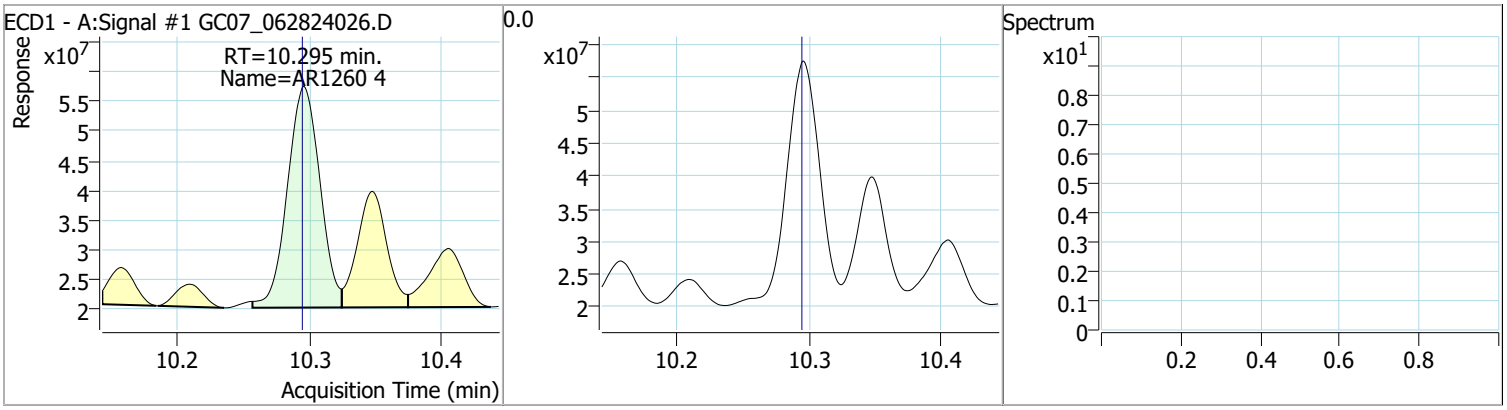
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	907.0323	9.83	0.00	107868556 (m)				



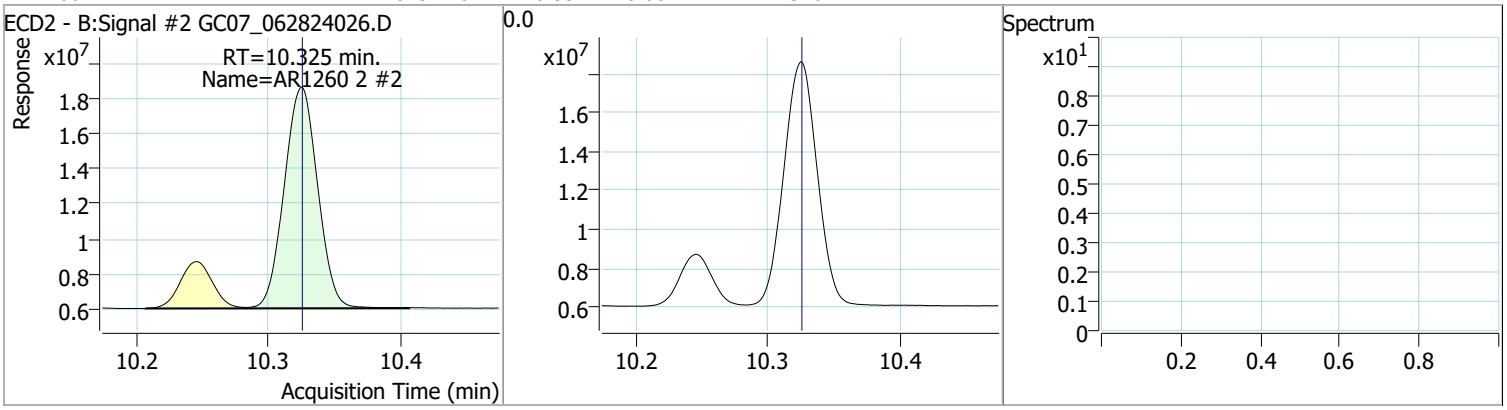
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	856.5031	10.06	0.00	18562011				



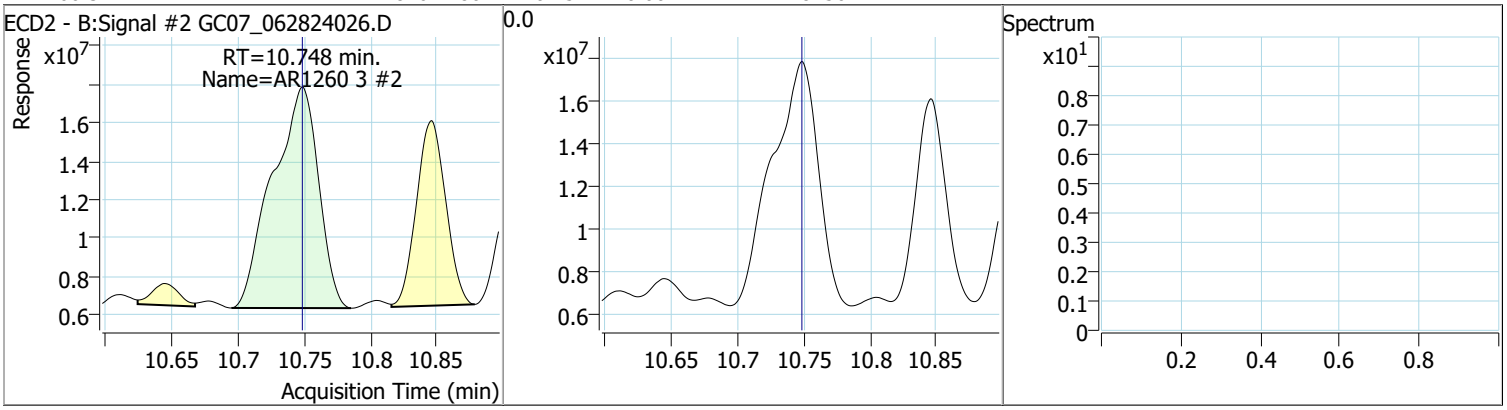
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	926.0476	10.30	0.00	63669929				



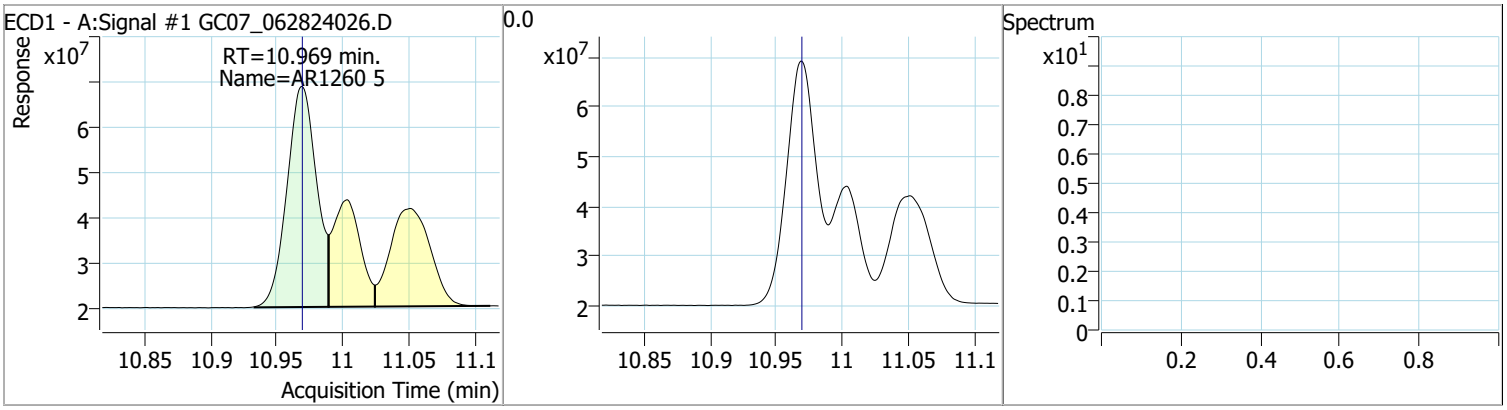
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	813.1181	10.33	0.00	22137647				



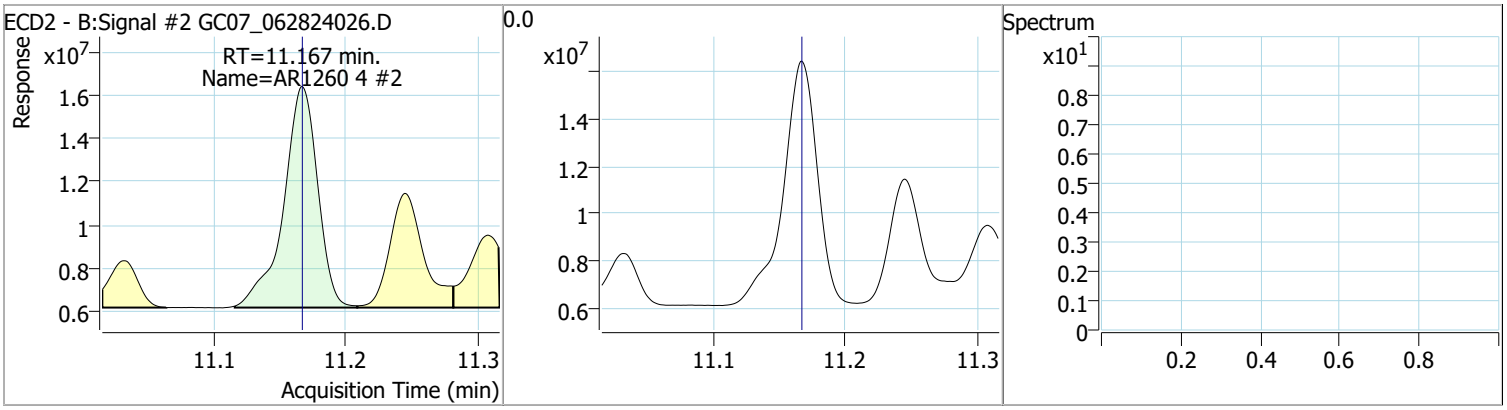
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	846.7180	10.75	0.00	27748156				



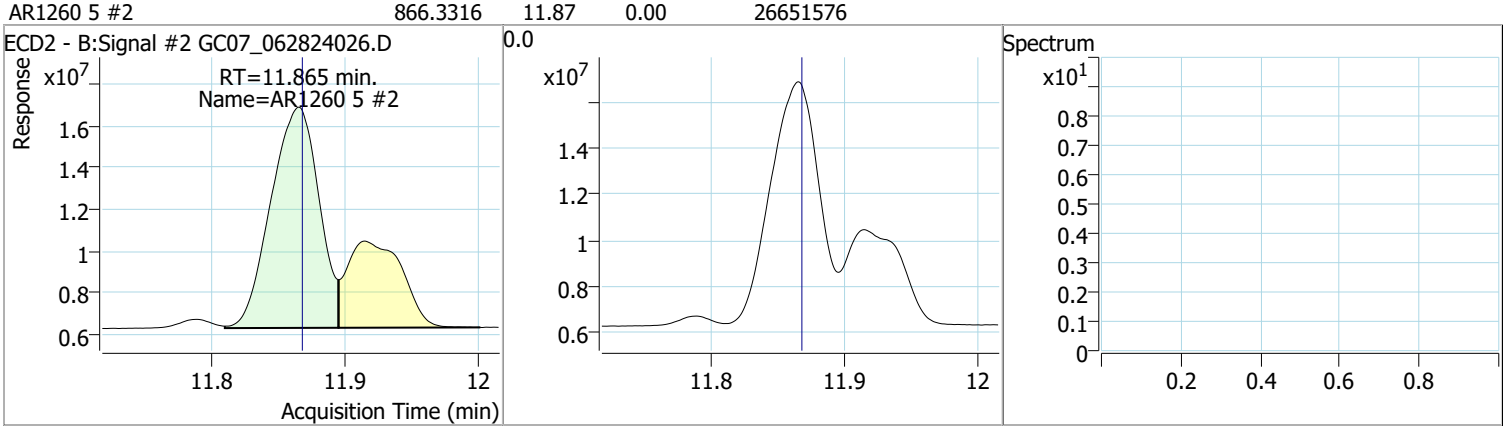
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	925.2302	10.97	0.00	76175017				



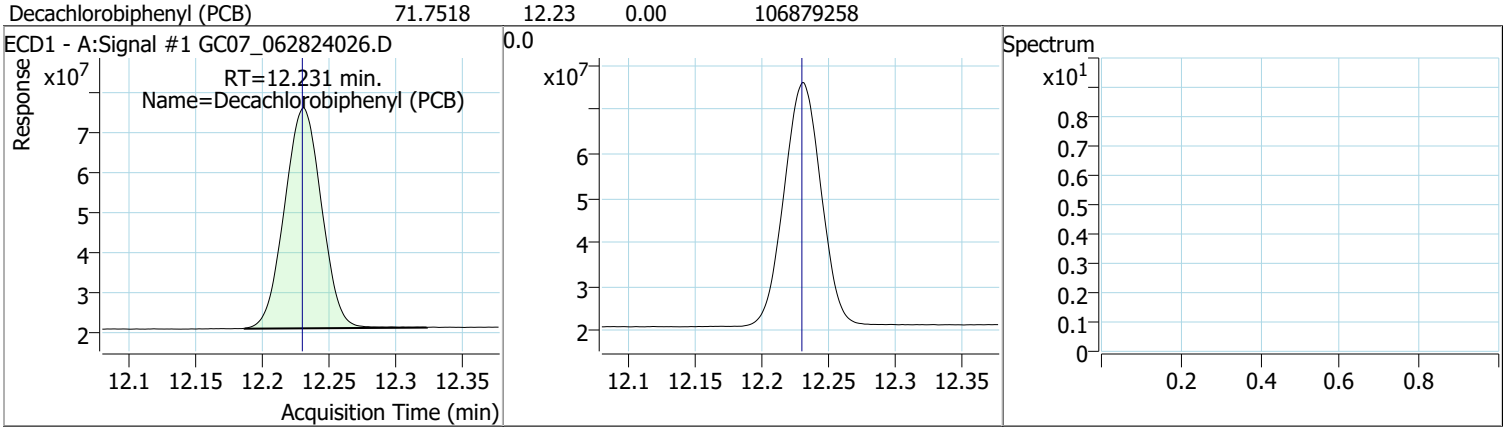
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	892.6833	11.17	0.00	18498356				



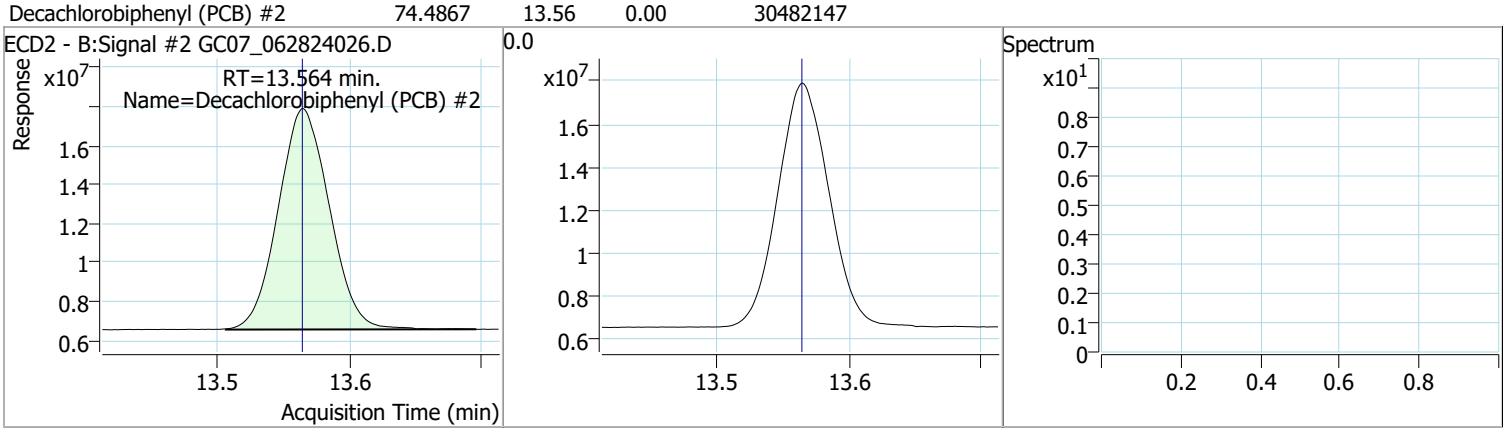
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	866.3316	11.87	0.00	26651576				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.7518	12.23	0.00	106879258				

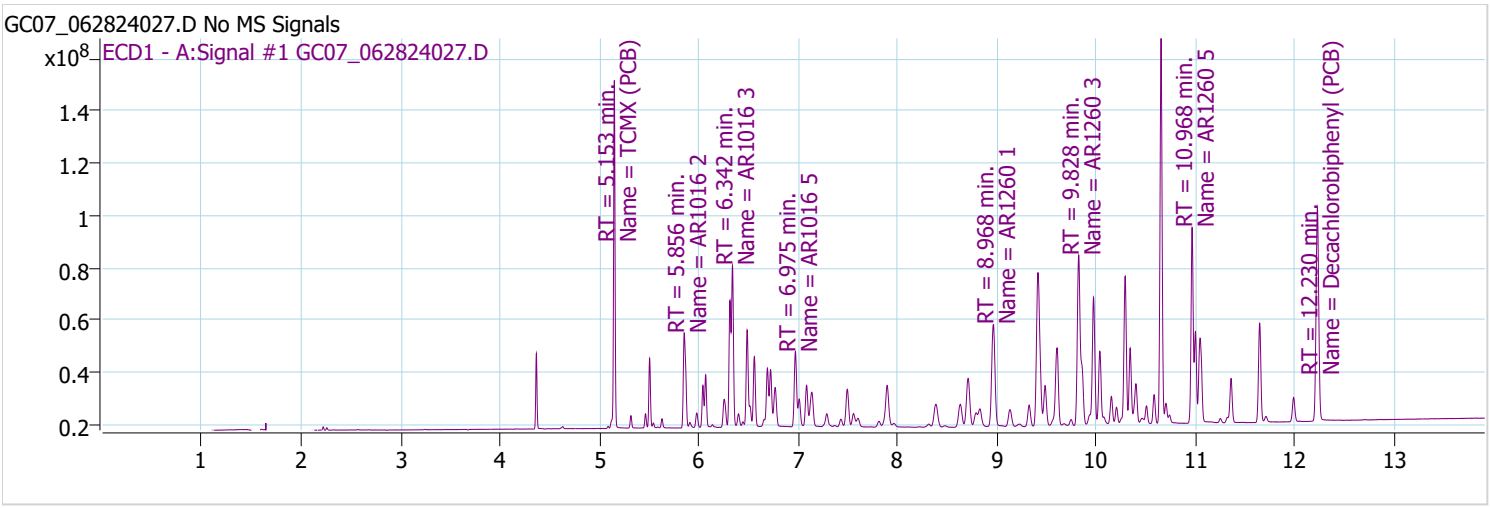


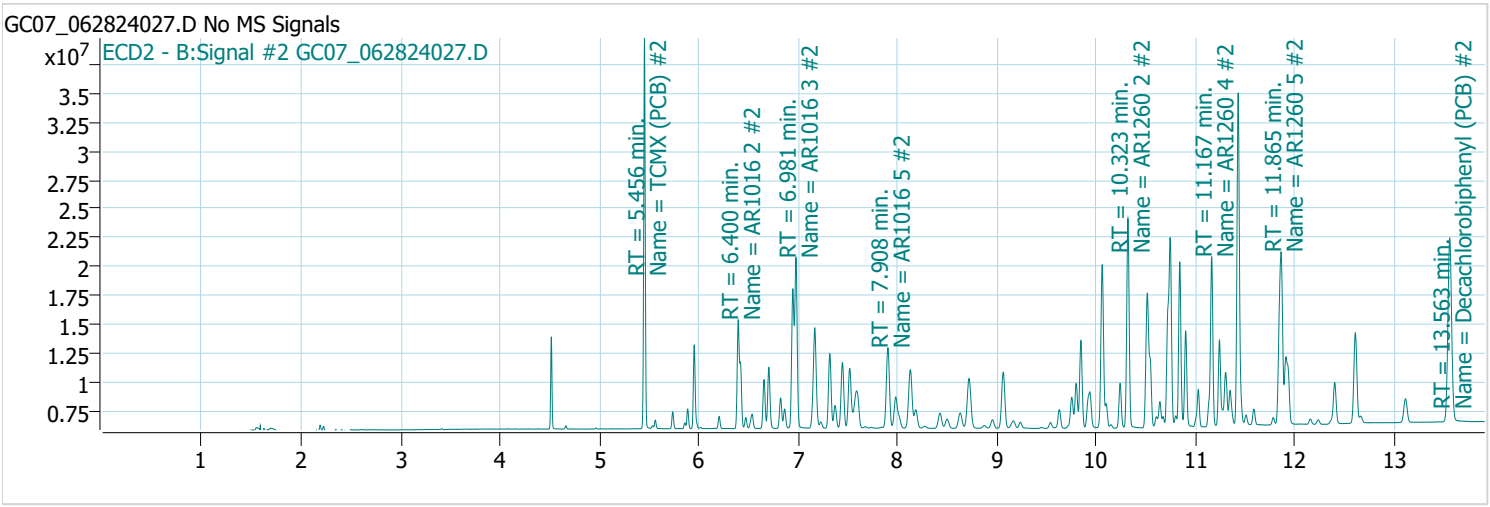
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4867	13.56	0.00	30482147				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:05:33 PM
Sample Name	ICAL, S20890	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



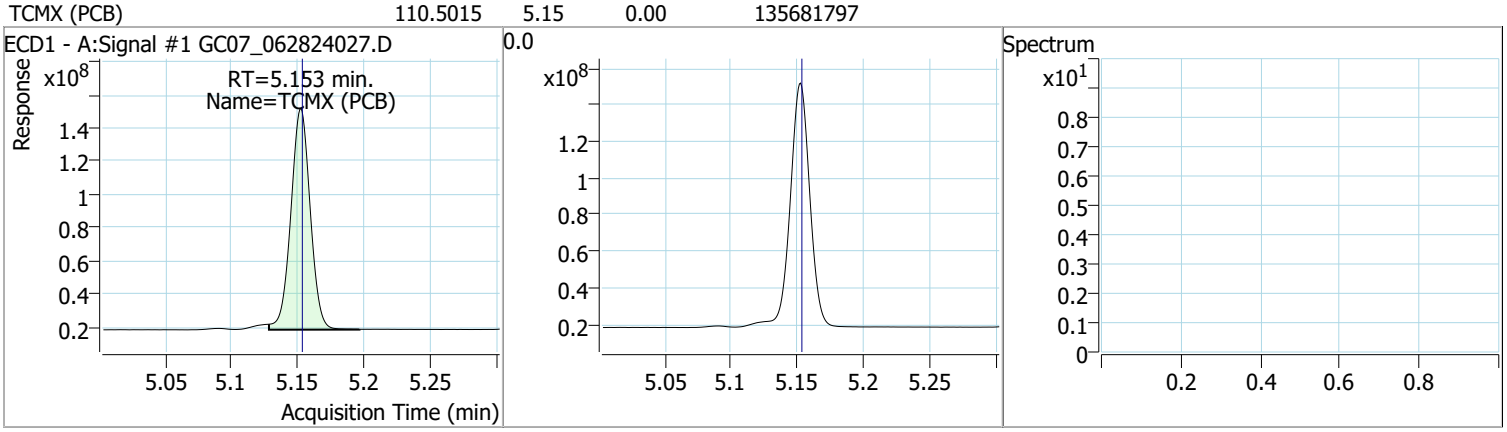


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	26211711.219	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7294805.701	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	135681797.289	110.5015	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.51%		*	
S TCMX (PCB) #2	5.456	0.0	36723935.035	104.9569	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 524.78%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	155357729.375	107.5017	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.51%		*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	42099380.579	105.6404	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.20%		*	
Target Compounds							QValue

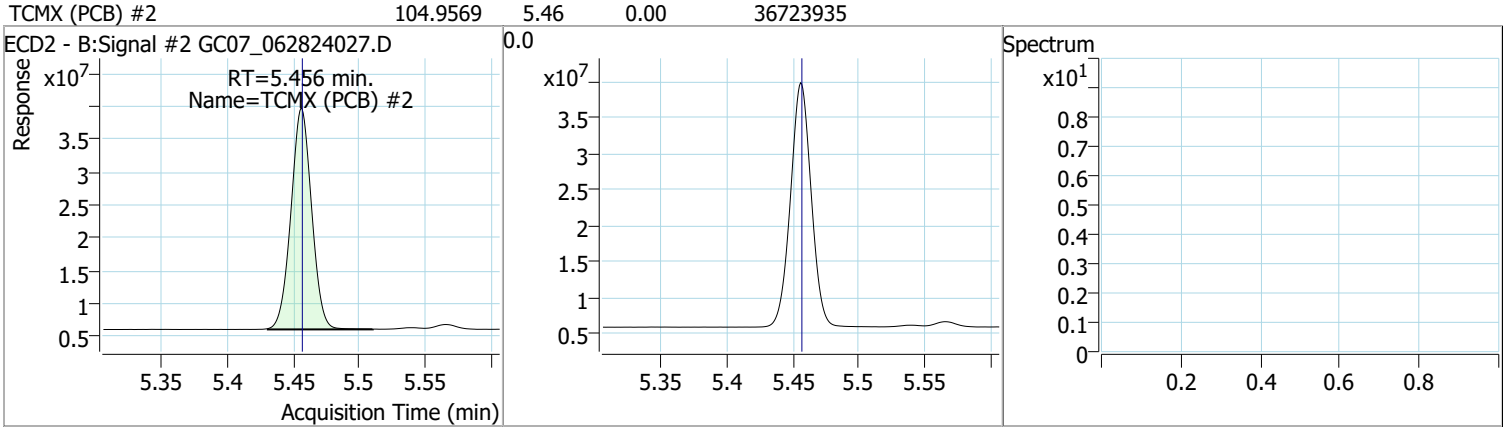
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	30104761.462	1313.9569	ng/ml		100
T AR1016 2	5.856	0.0	63081832.476	1325.3393	ng/ml		100
T AR1016 1 #2	5.957	0.0	9574280.617	1243.0500	ng/ml		100
T AR1016 3	6.342	0.0	85766826.801	1436.2802	ng/ml		100
T AR1016 2 #2	6.400	0.0	20333722.083	1277.7767	ng/ml		100
T AR1016 4	6.489	0.0	53404058.941	1340.8925	ng/ml	m	100
T AR1016 5	6.975	0.0	47712618.799	1362.8914	ng/ml		100
T AR1016 3 #2	6.981	0.0	24950565.990	1257.1344	ng/ml		100
T AR1016 4 #2	7.171	0.0	18481664.733	1259.6810	ng/ml		100
T AR1016 5 #2	7.908	0.0	15343346.463	1293.0250	ng/ml		100
T AR1260 1	8.968	0.0	91727497.794	1306.4208	ng/ml		100
T AR1260 2	9.418	0.0	141892353.087	1323.1879	ng/ml		100
T AR1260 3	9.828	0.0	160895089.250	1394.4850	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	26442213.466	1252.9188	ng/ml		100
T AR1260 4	10.295	0.0	94070300.316	1410.2453	ng/ml		100
T AR1260 2 #2	10.323	0.0	31331561.157	1181.7495	ng/ml		100
T AR1260 3 #2	10.748	0.0	39486596.992	1237.3016	ng/ml		100
T AR1260 5	10.968	0.0	111423646.768	1394.9472	ng/ml		100
T AR1260 4 #2	11.167	0.0	25930171.003	1284.9637	ng/ml		100
T AR1260 5 #2	11.865	0.0	37619666.249	1255.7334	ng/ml		100

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

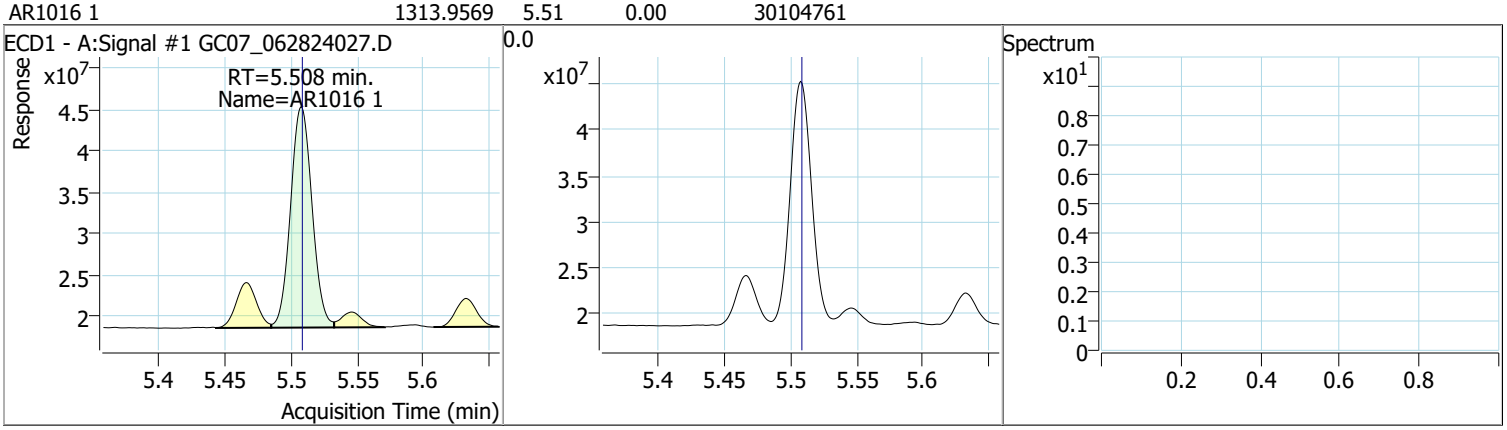
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5015	5.15	0.00	135681797				



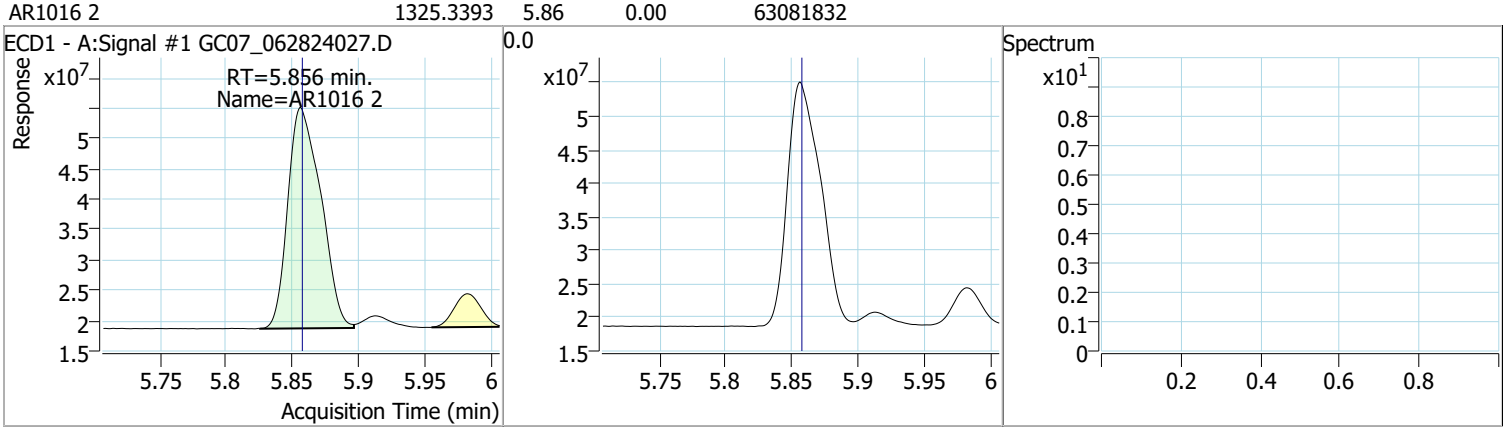
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	104.9569	5.46	0.00	36723935				



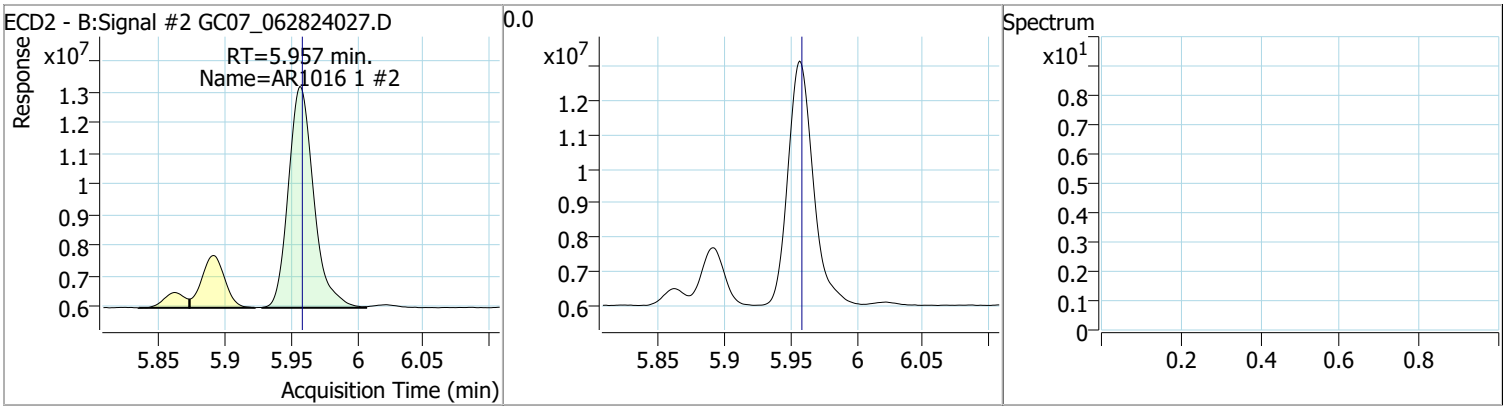
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1313.9569	5.51	0.00	30104761				



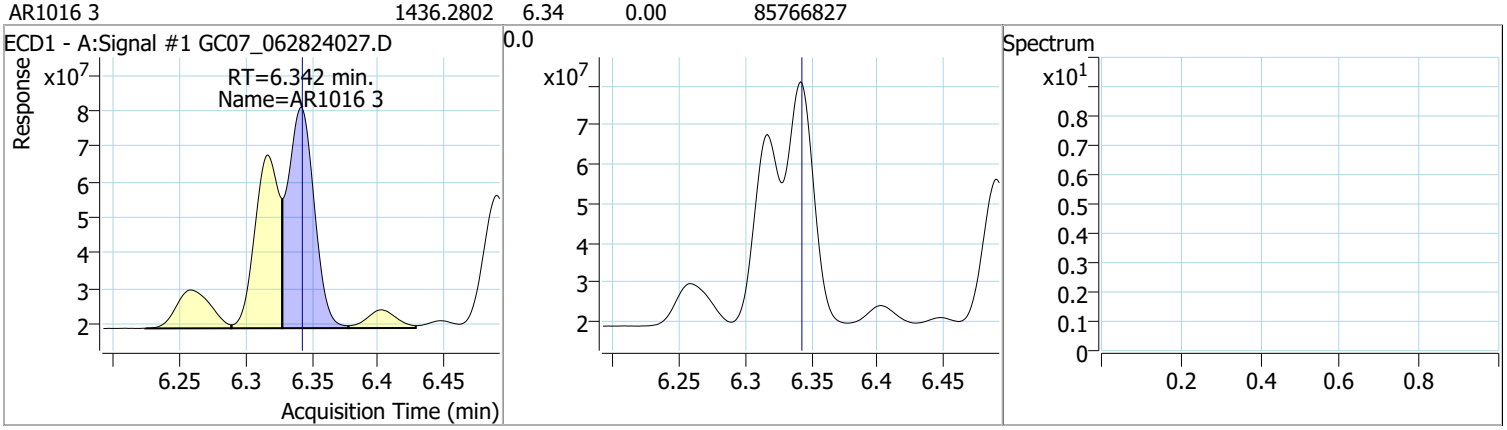
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1325.3393	5.86	0.00	63081832				



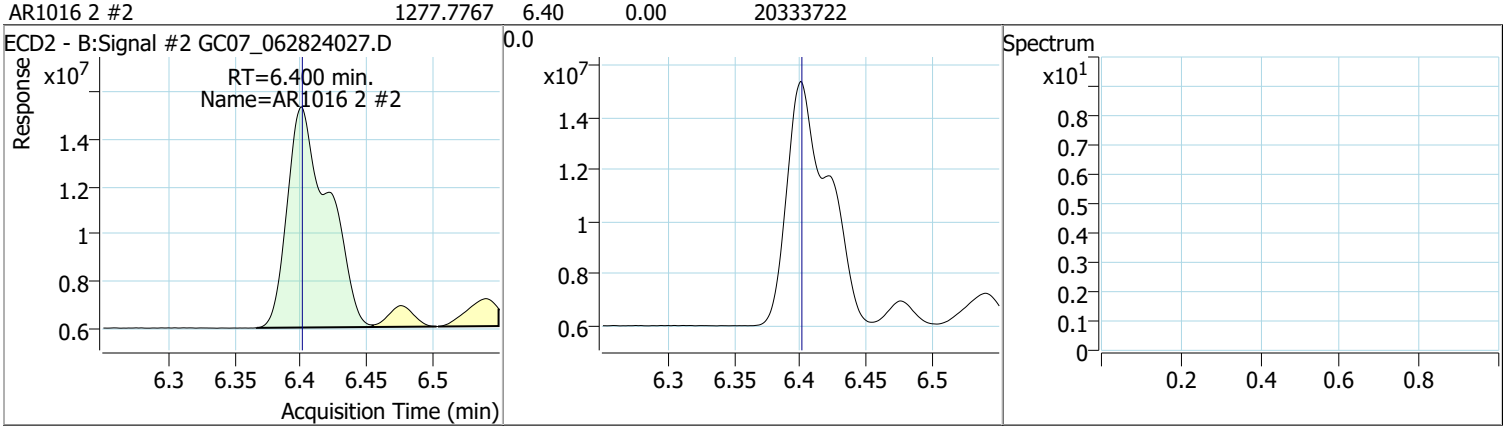
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1243.0500	5.96	0.00	9574281				



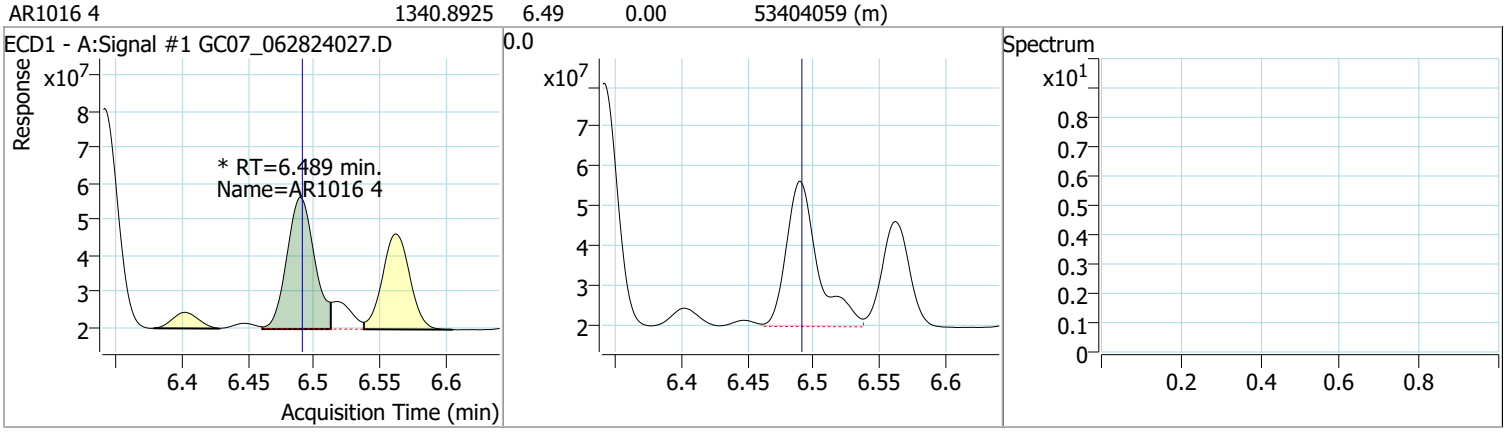
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1436.2802	6.34	0.00	85766827				



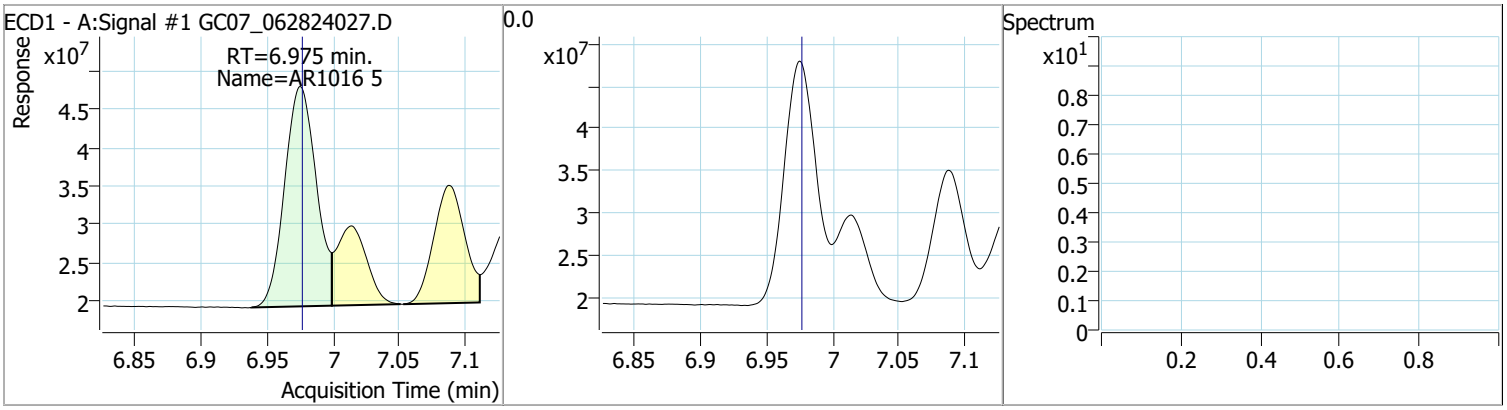
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1277.7767	6.40	0.00	20333722				



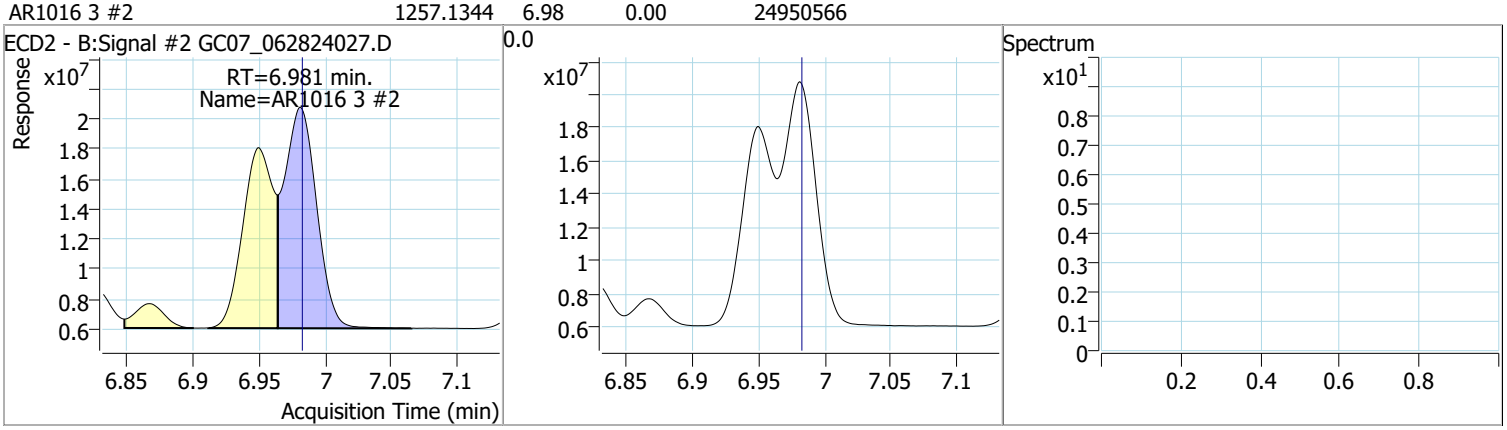
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1340.8925	6.49	0.00	53404059 (m)				



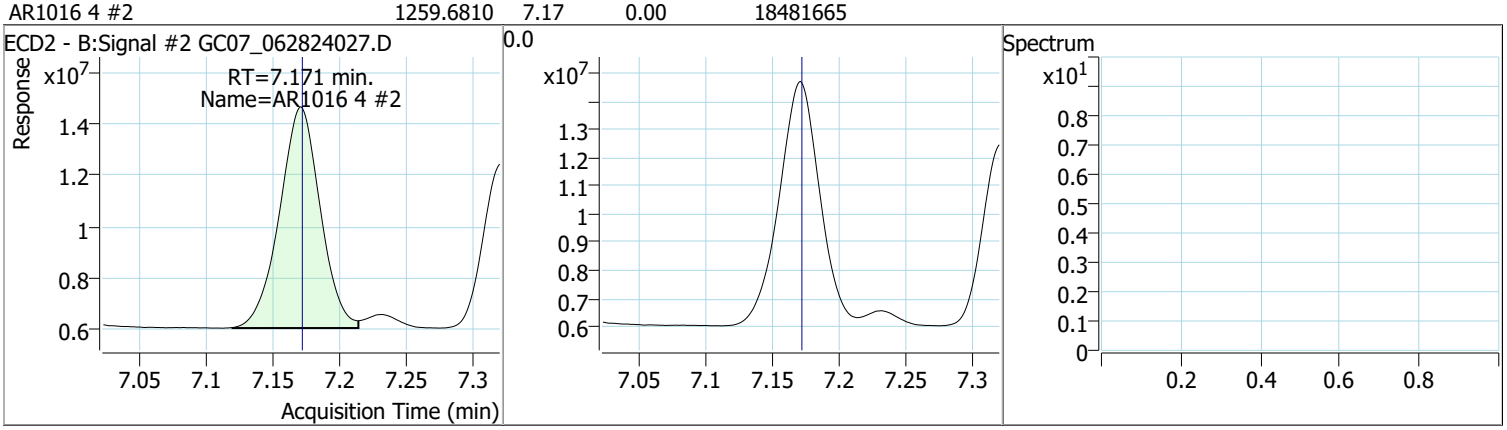
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1362.8914	6.98	0.00	47712619				



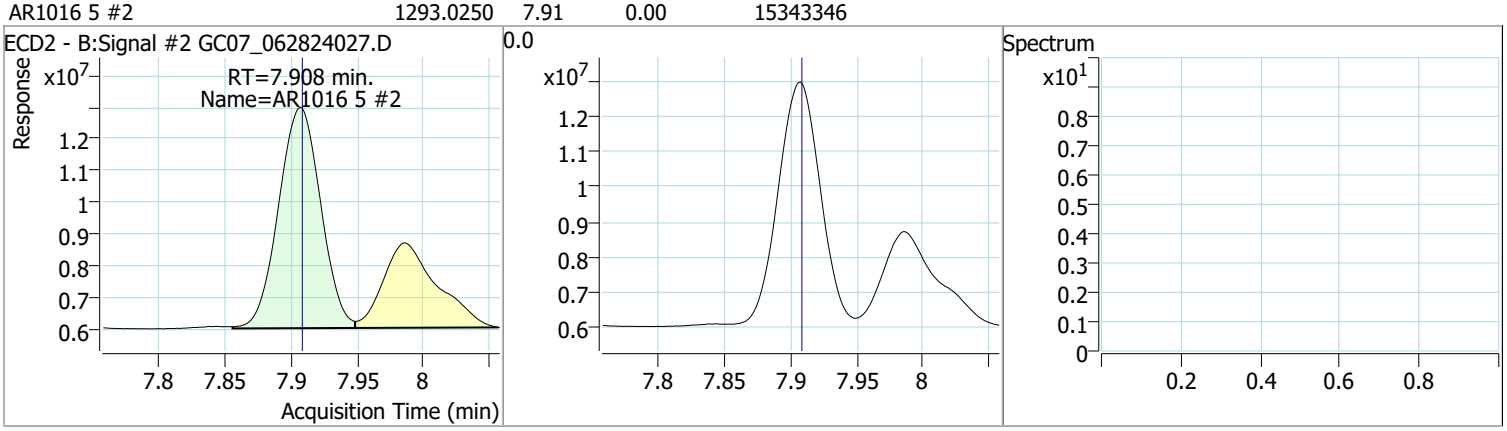
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1257.1344	6.98	0.00	24950566				



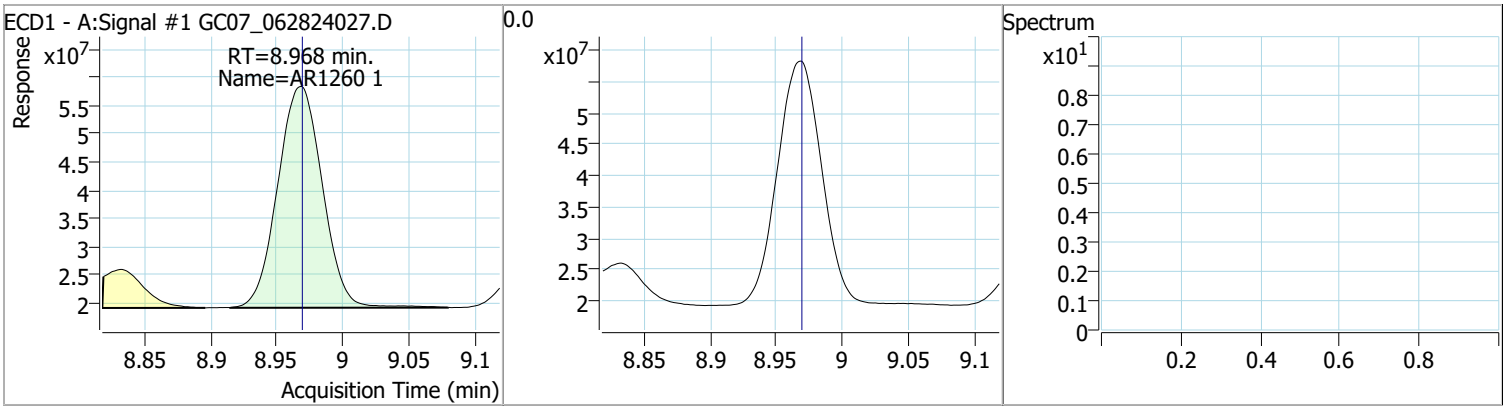
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1259.6810	7.17	0.00	18481665				



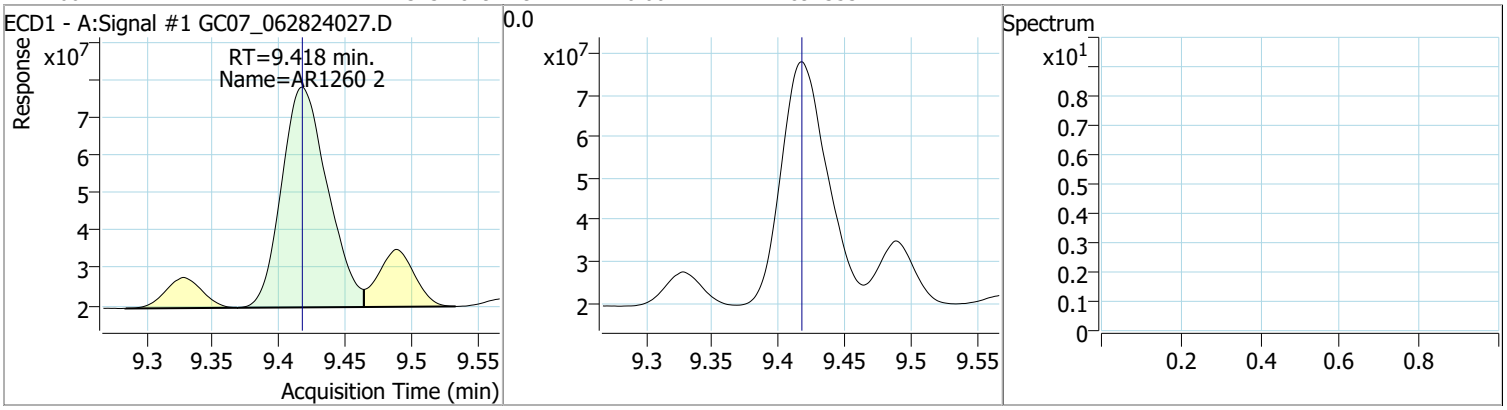
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1293.0250	7.91	0.00	15343346				



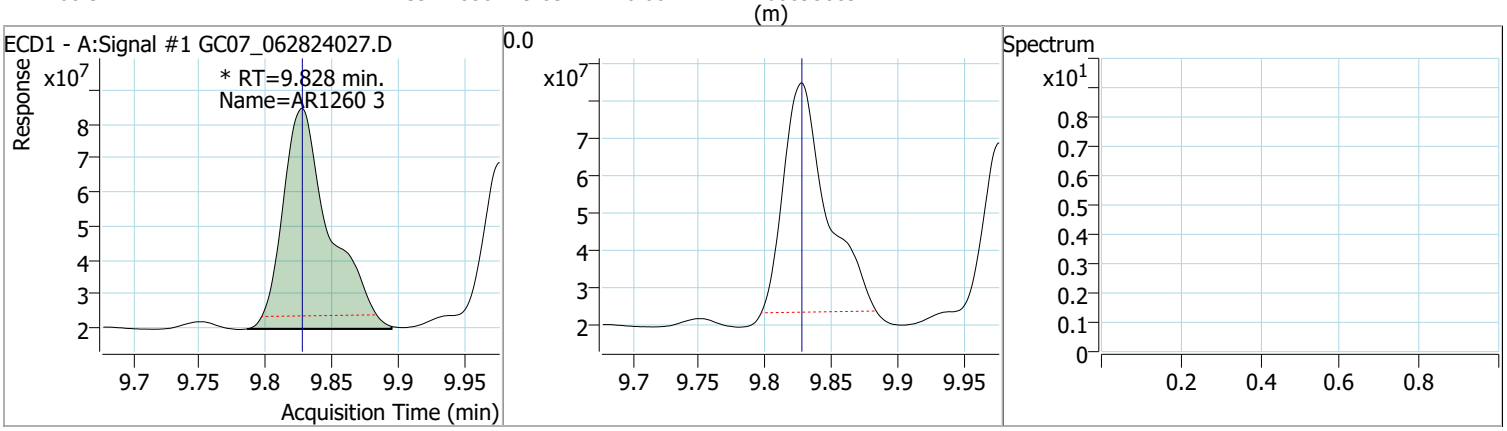
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1306.4208	8.97	0.00	91727498				



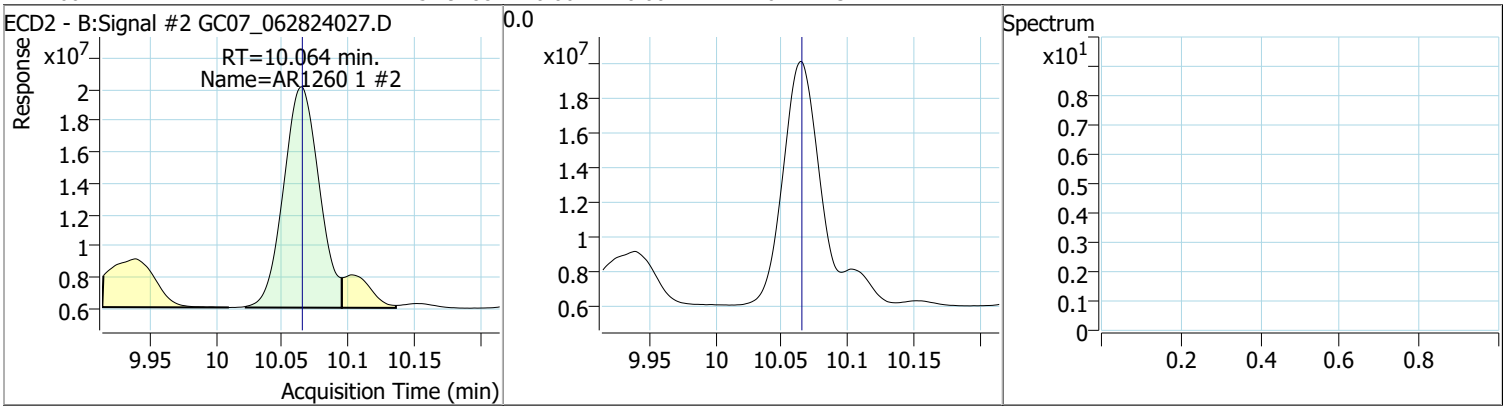
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1323.1879	9.42	0.00	141892353				



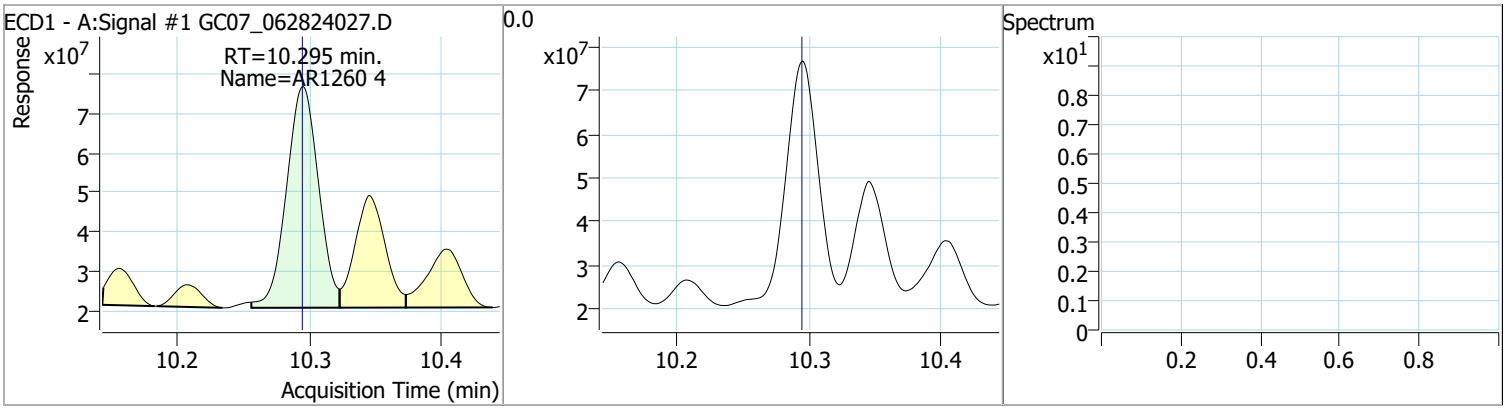
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1394.4850	9.83	0.00	160895089 (m)				



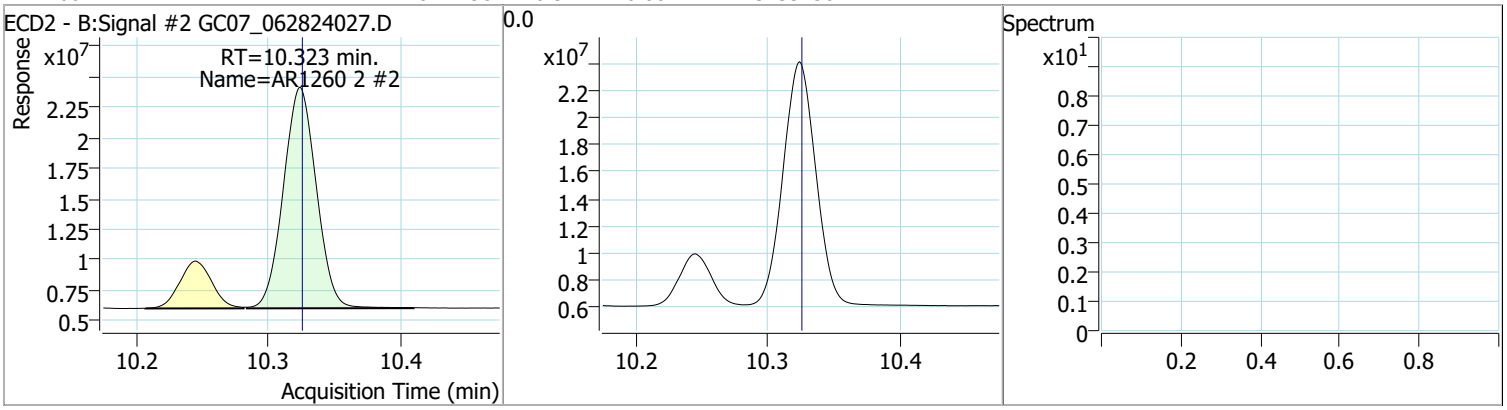
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1252.9188	10.06	0.00	26442213				



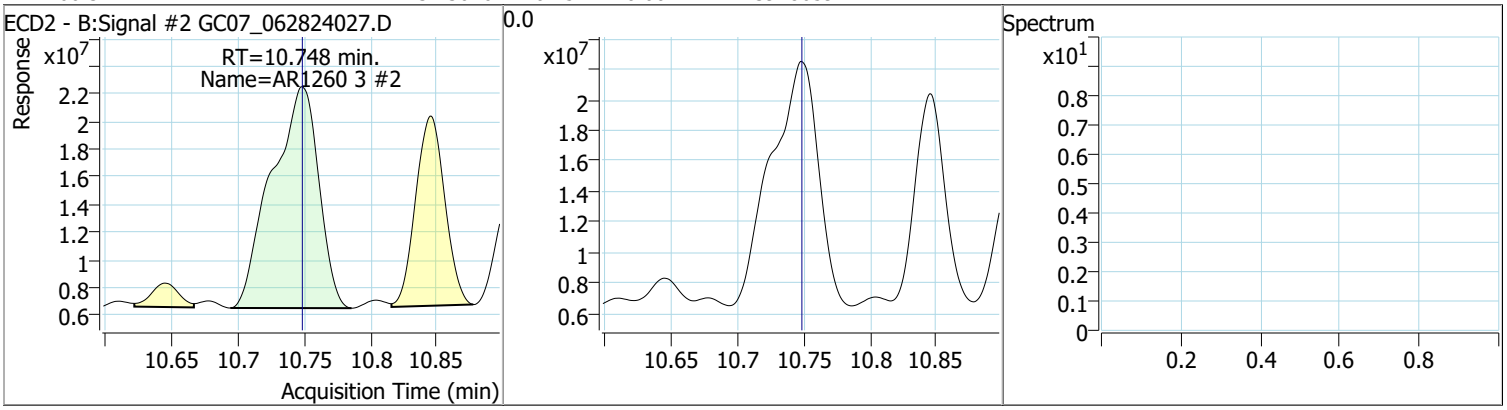
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1410.2453	10.30	0.00	94070300				



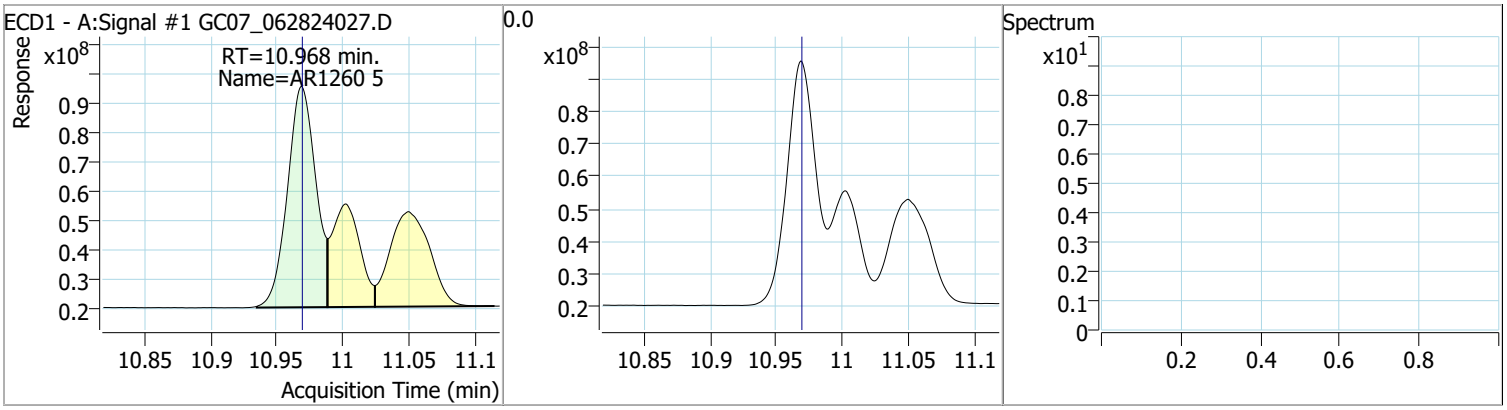
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1181.7495	10.32	0.00	31331561				



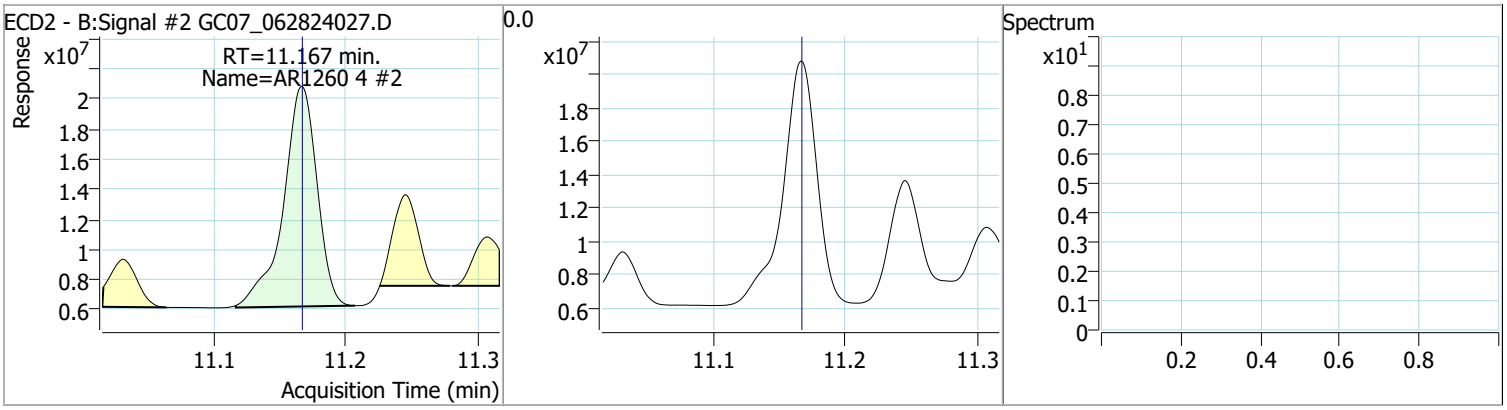
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1237.3016	10.75	0.00	39486597				



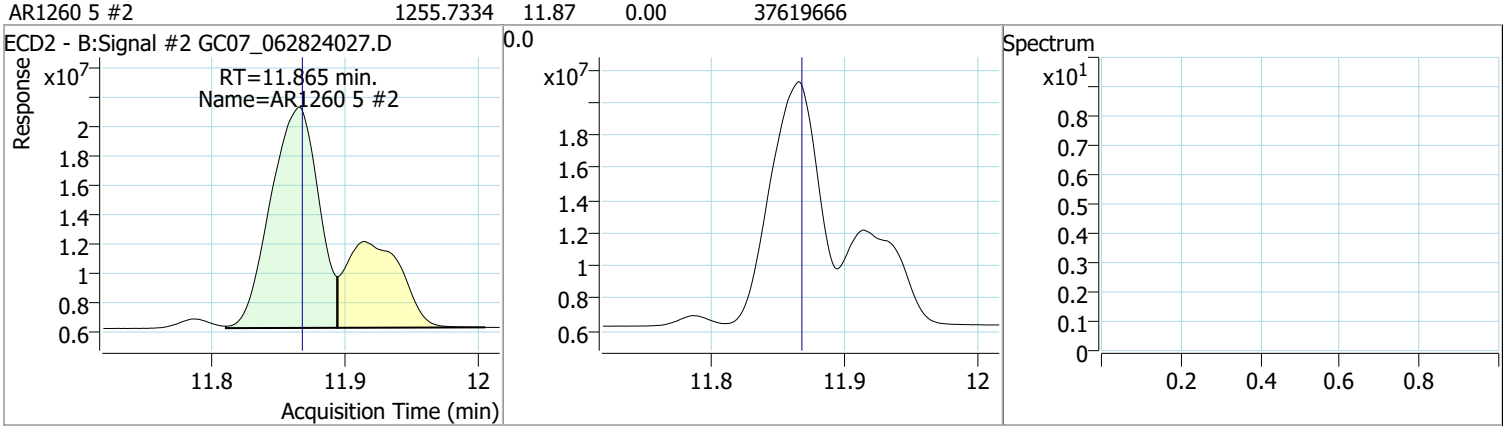
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1394.9472	10.97	0.00	111423647				



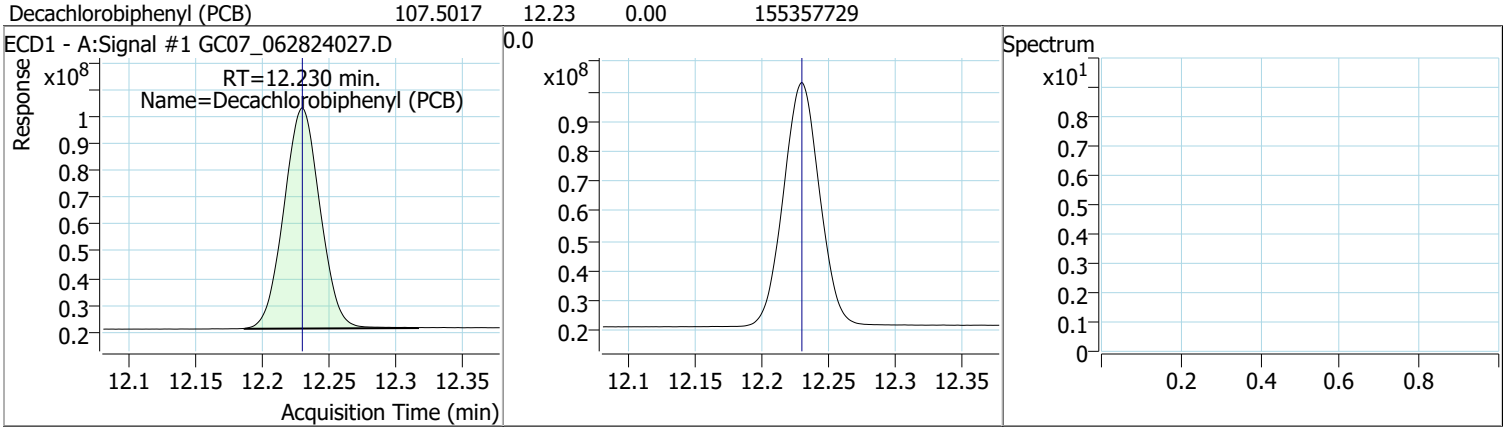
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.9637	11.17	0.00	25930171				



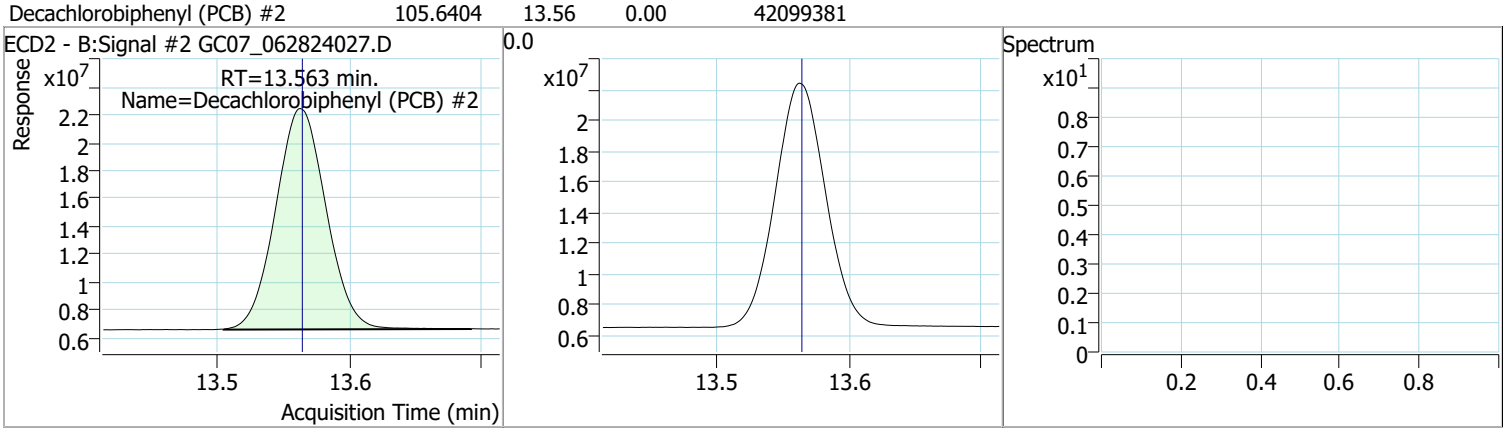
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1255.7334	11.87	0.00	37619666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	107.5017	12.23	0.00	155357729				

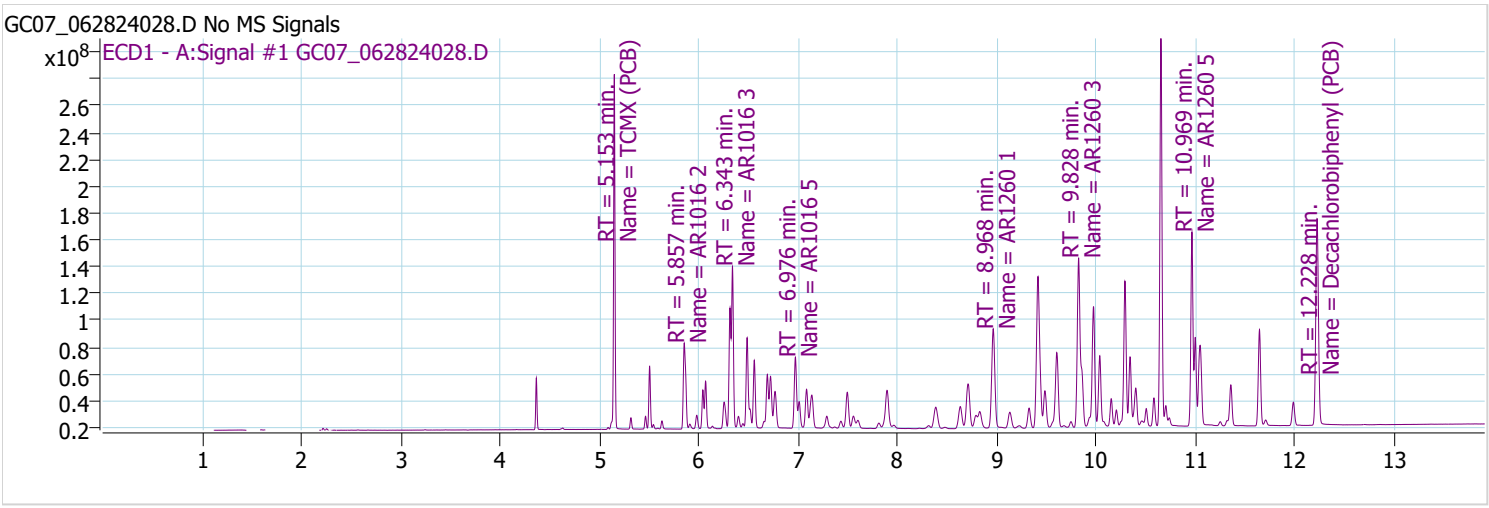


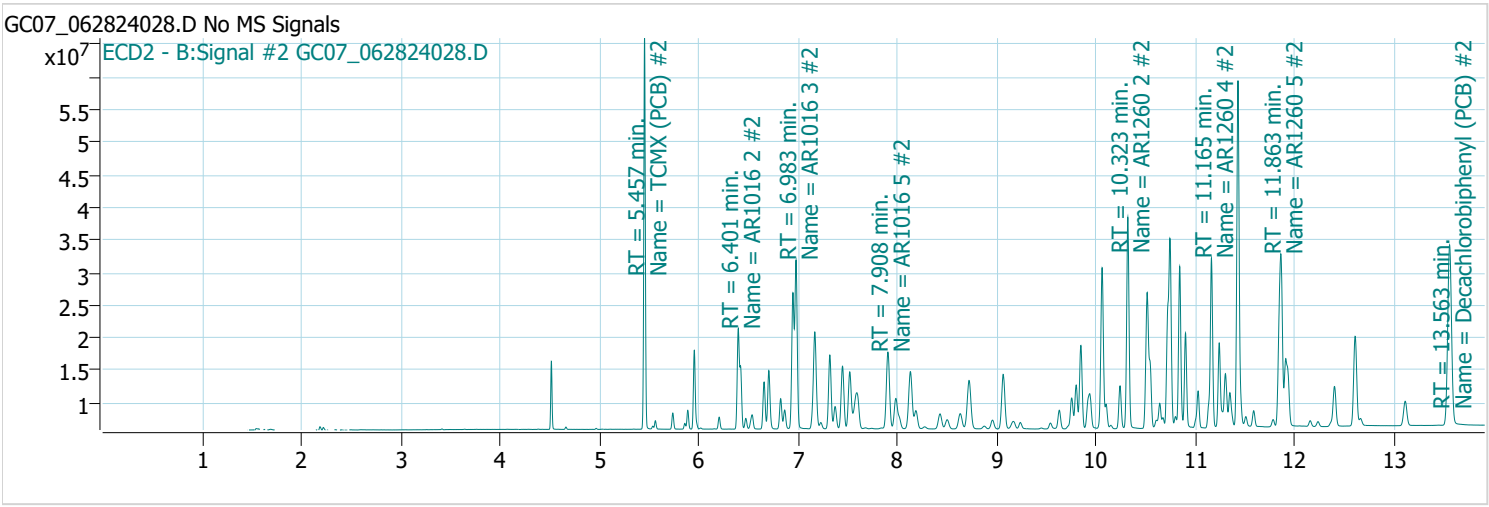
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.6404	13.56	0.00	42099381				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:22:59 PM
Sample Name	ICAL, S20891	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



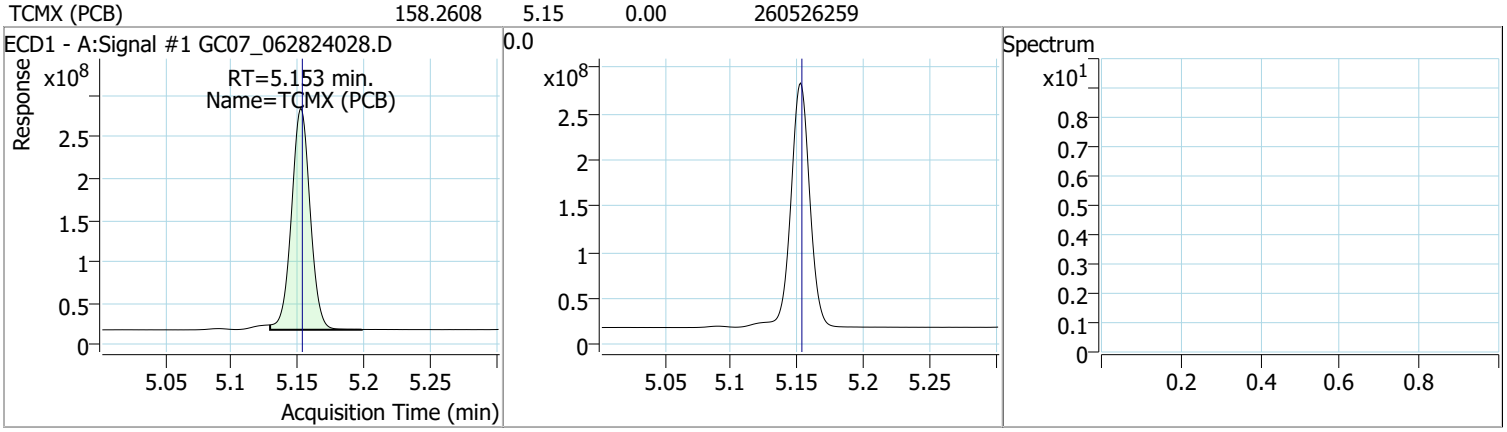


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	35141495.053	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9716811.524	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	260526258.805	158.2608	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 791.30%		*	
S TCMX (PCB) #2	5.457	0.0	66022527.886	141.6590	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.29%		*	
S Decachlorobiphenyl (PCB)	12.228	0.0	295093471.364	152.3061	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 761.53%		*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	75083389.429	141.4452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.23%		*	
Target Compounds							QValue

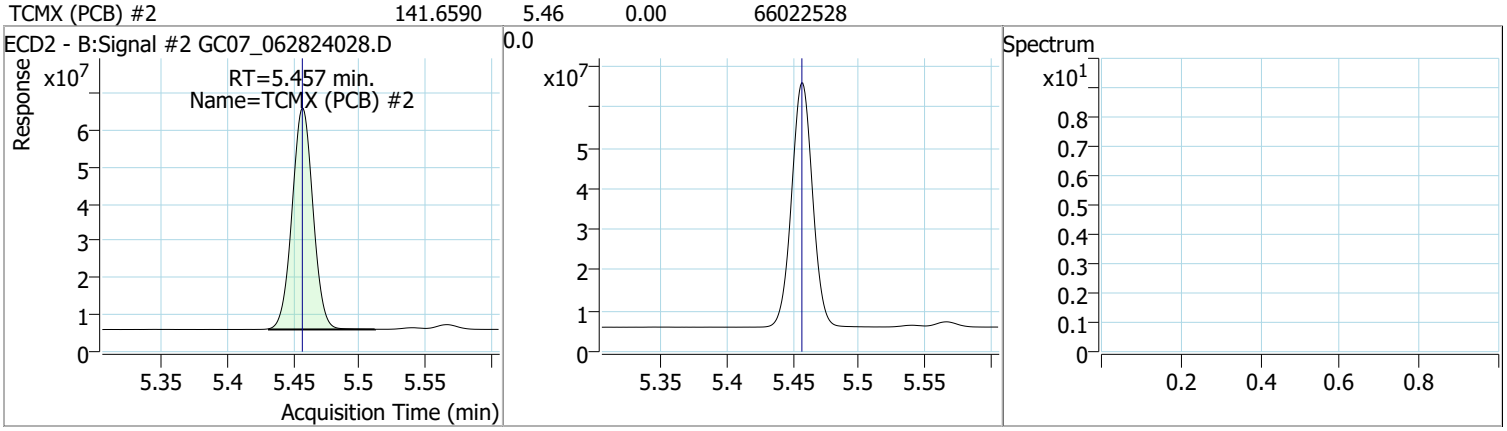
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	52797819.765	1718.8463	ng/ml		100
T AR1016 2	5.857	0.0	111345883.541	1744.9062	ng/ml		100
T AR1016 1 #2	5.958	0.0	16229620.465	1581.9063	ng/ml		100
T AR1016 3	6.343	0.0	158970350.988	1985.6885	ng/ml	m	100
T AR1016 2 #2	6.401	0.0	34600333.701	1632.3314	ng/ml		100
T AR1016 4	6.490	0.0	98962762.106	1853.3892	ng/ml	m	100
T AR1016 5	6.976	0.0	87157456.964	1856.9819	ng/ml		100
T AR1016 3 #2	6.983	0.0	43534275.009	1646.7307	ng/ml		100
T AR1016 4 #2	7.171	0.0	31722770.502	1623.2318	ng/ml		100
T AR1016 5 #2	7.908	0.0	26389484.266	1669.5818	ng/ml		100
T AR1260 1	8.968	0.0	163694033.664	1738.9678	ng/ml		100
T AR1260 2	9.419	0.0	262121139.076	1823.2227	ng/ml		100
T AR1260 3	9.828	0.0	300188552.398	1940.6192	ng/ml		100
T AR1260 1 #2	10.064	0.0	45427087.547	1615.9576	ng/ml		100
T AR1260 4	10.294	0.0	177019455.562	1979.4214	ng/ml		100
T AR1260 2 #2	10.323	0.0	54314494.749	1537.9743	ng/ml		100
T AR1260 3 #2	10.747	0.0	68953559.513	1622.0809	ng/ml		100
T AR1260 5	10.969	0.0	212918830.025	1988.2437	ng/ml		100
T AR1260 4 #2	11.165	0.0	46064500.554	1713.7276	ng/ml		100
T AR1260 5 #2	11.863	0.0	66563997.777	1668.0607	ng/ml		100

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

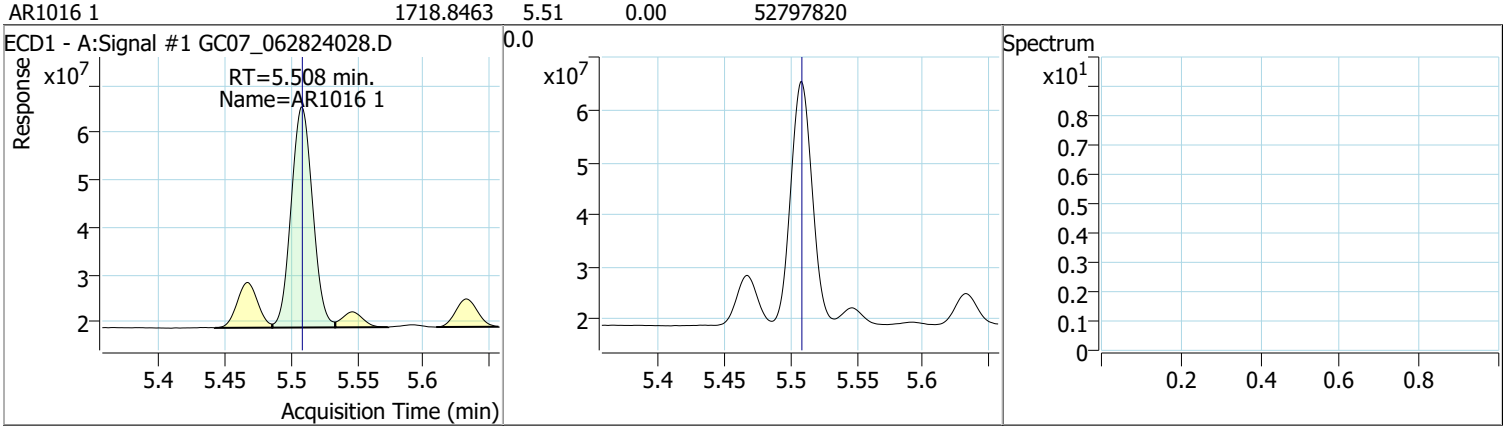
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	158.2608	5.15	0.00	260526259				



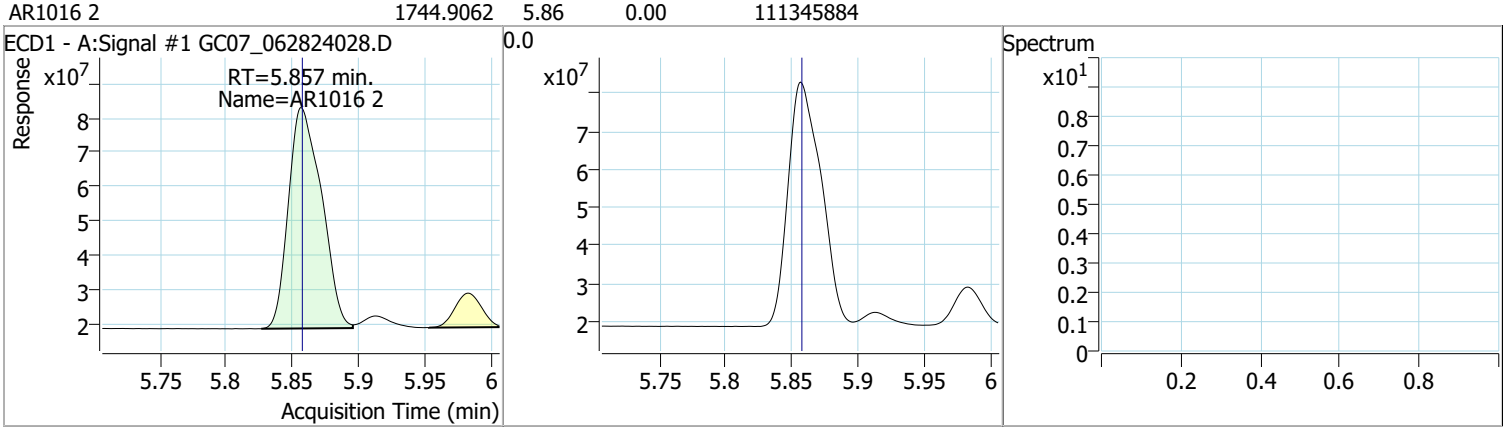
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	141.6590	5.46	0.00	66022528				



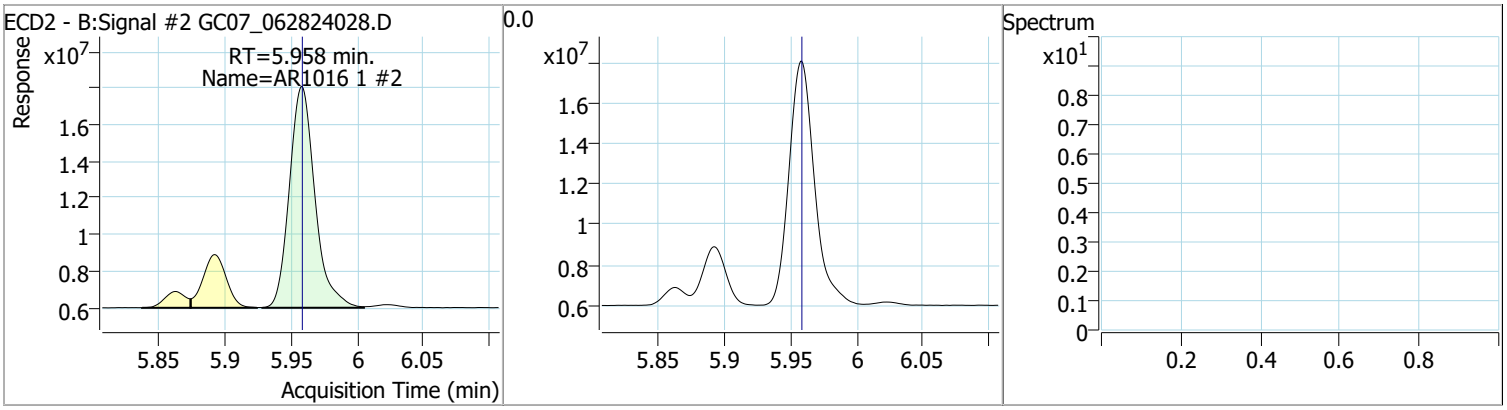
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1718.8463	5.51	0.00	52797820				



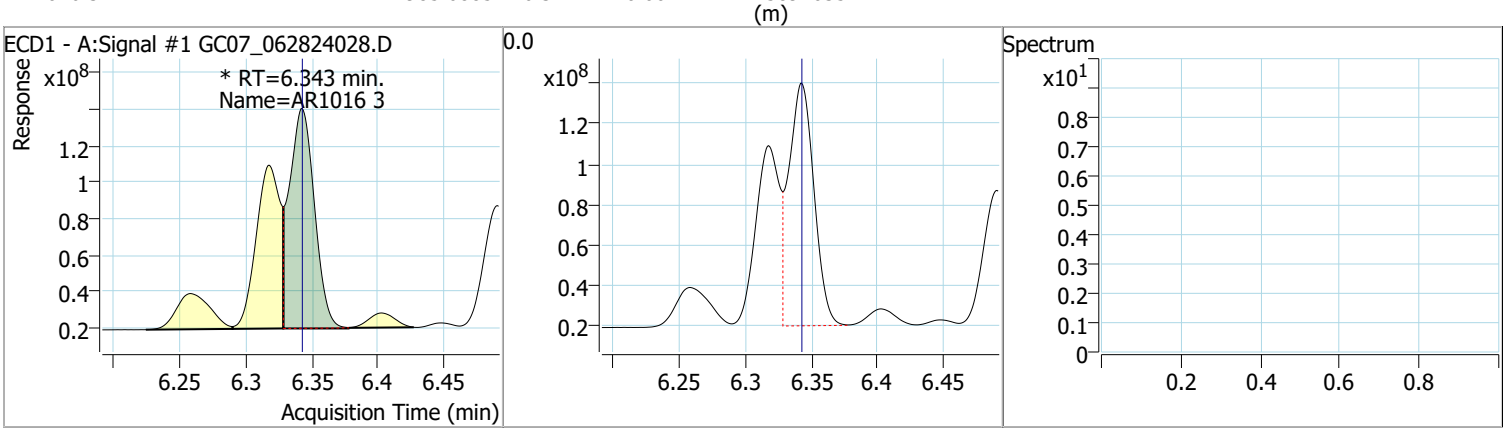
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1744.9062	5.86	0.00	111345884				



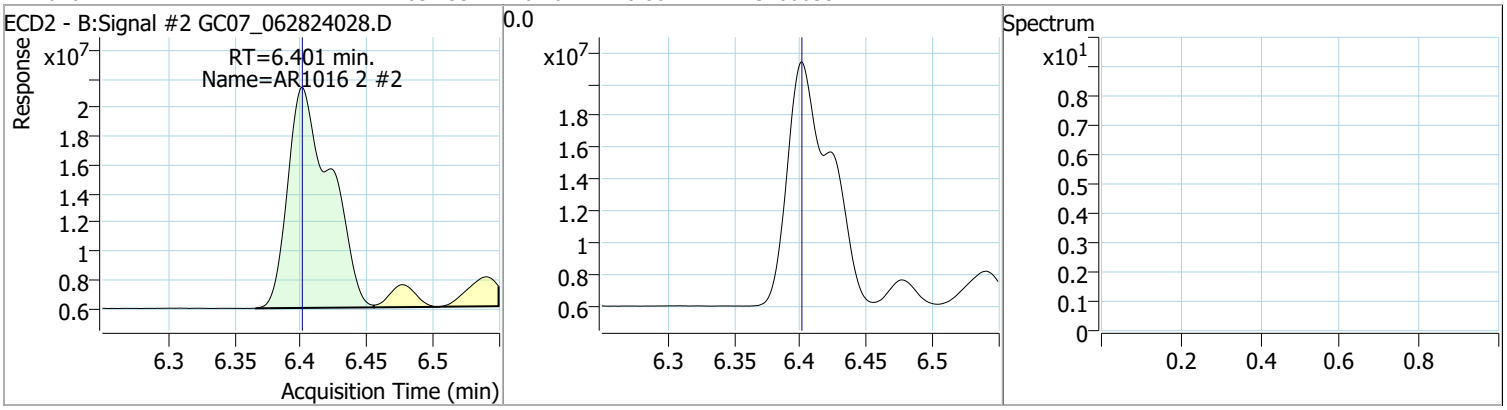
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1581.9063	5.96	0.00	16229620				



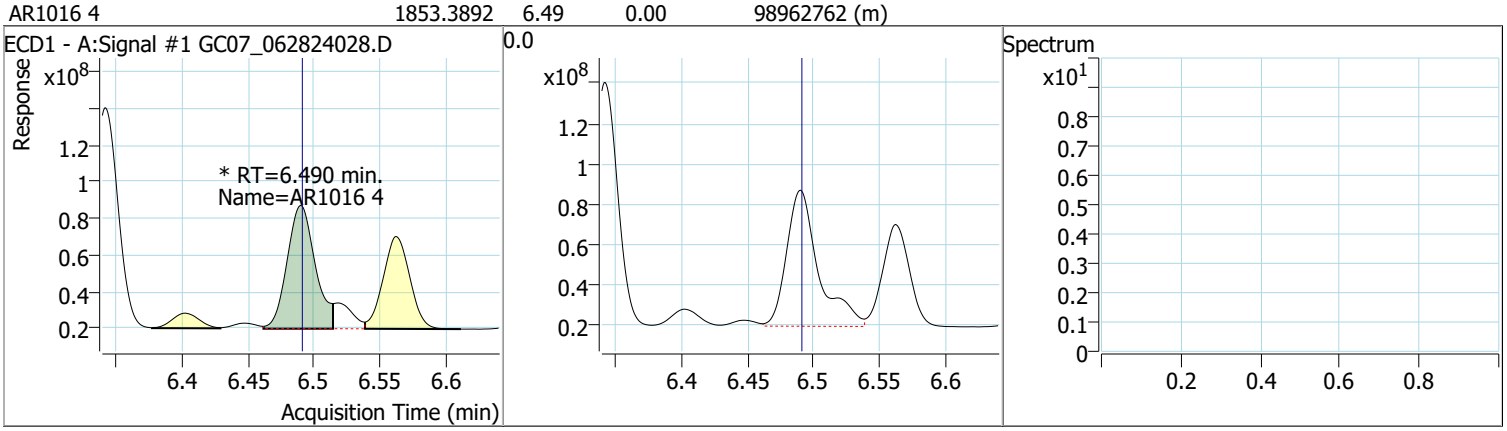
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1985.6885	6.34	0.00	158970351 (m)				



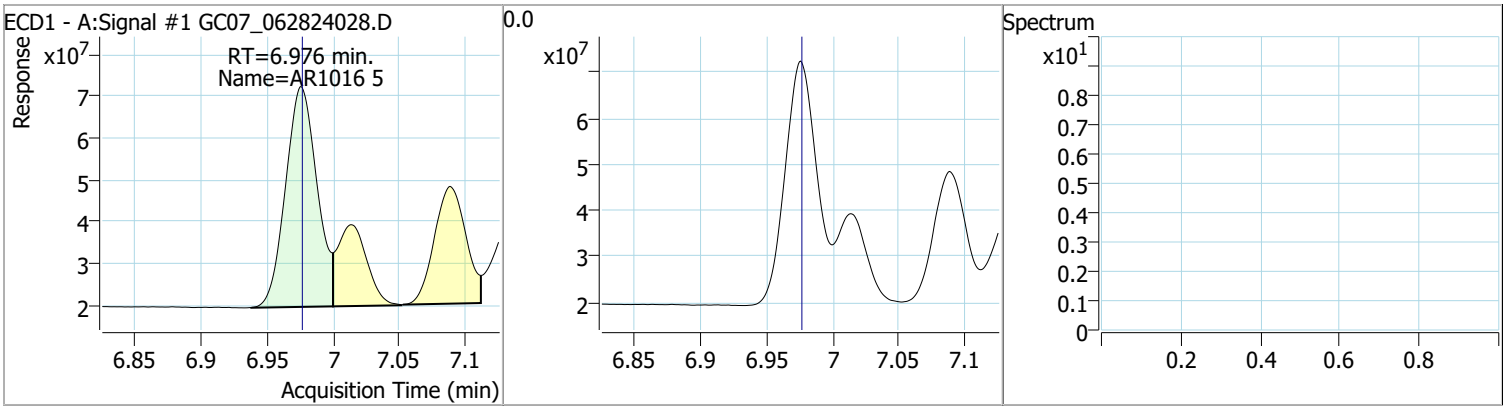
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1632.3314	6.40	0.00	34600334				



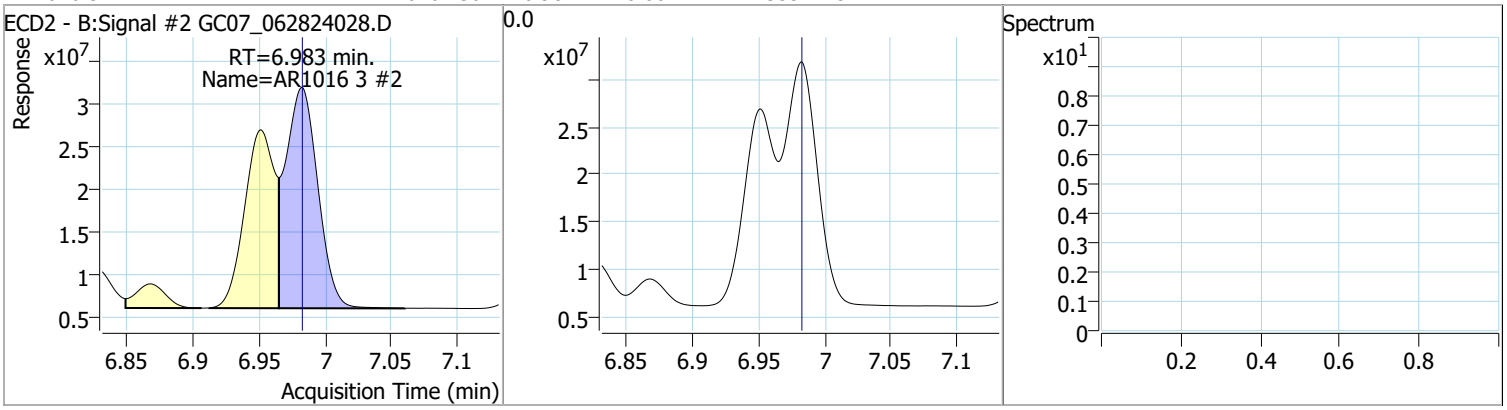
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1853.3892	6.49	0.00	98962762 (m)				



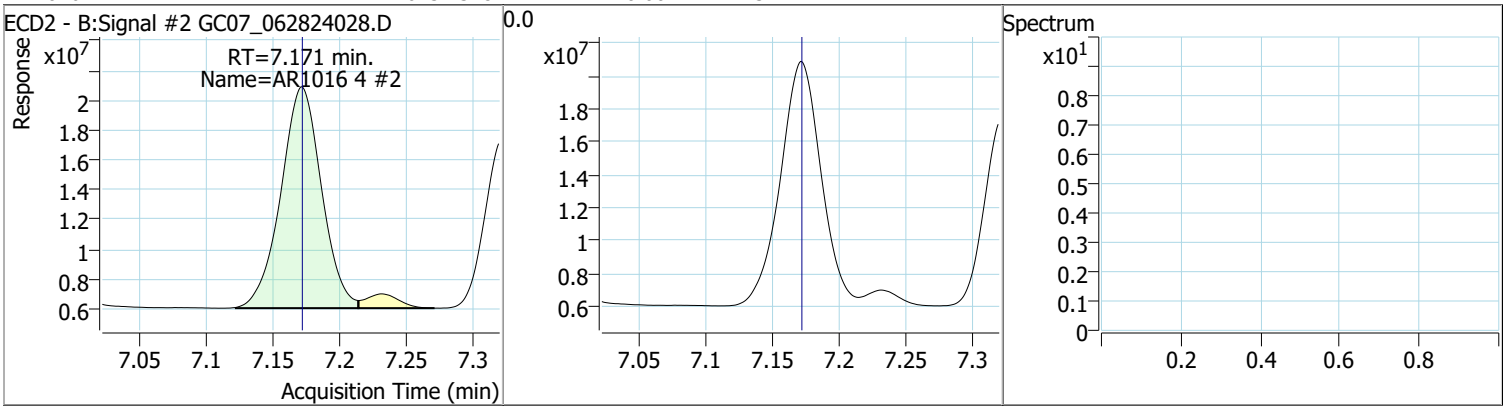
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1856.9819	6.98	0.00	87157457				



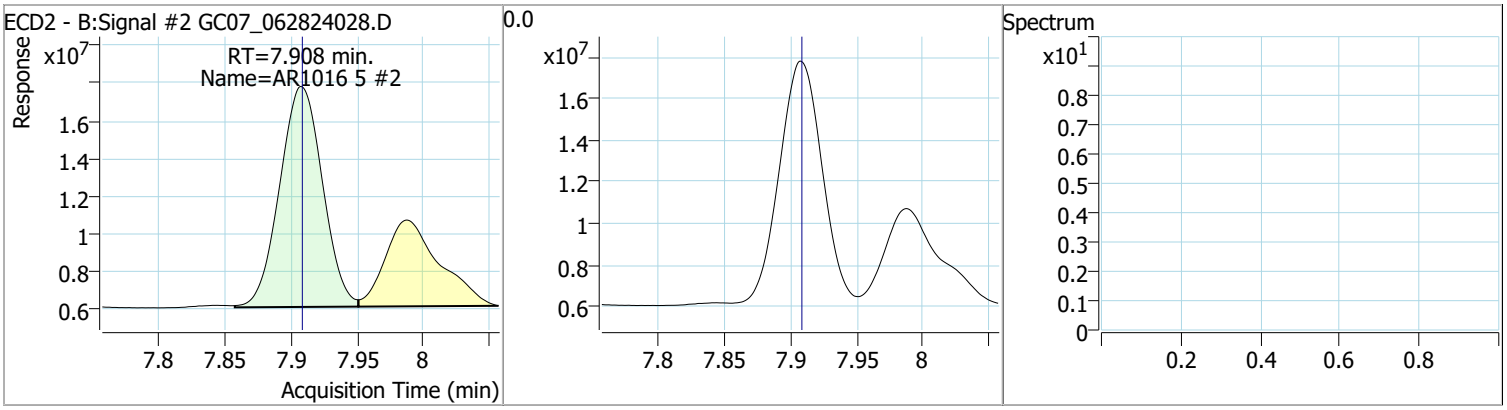
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AR1016 3 #2	1646.7307	6.98	0.00	43534275				



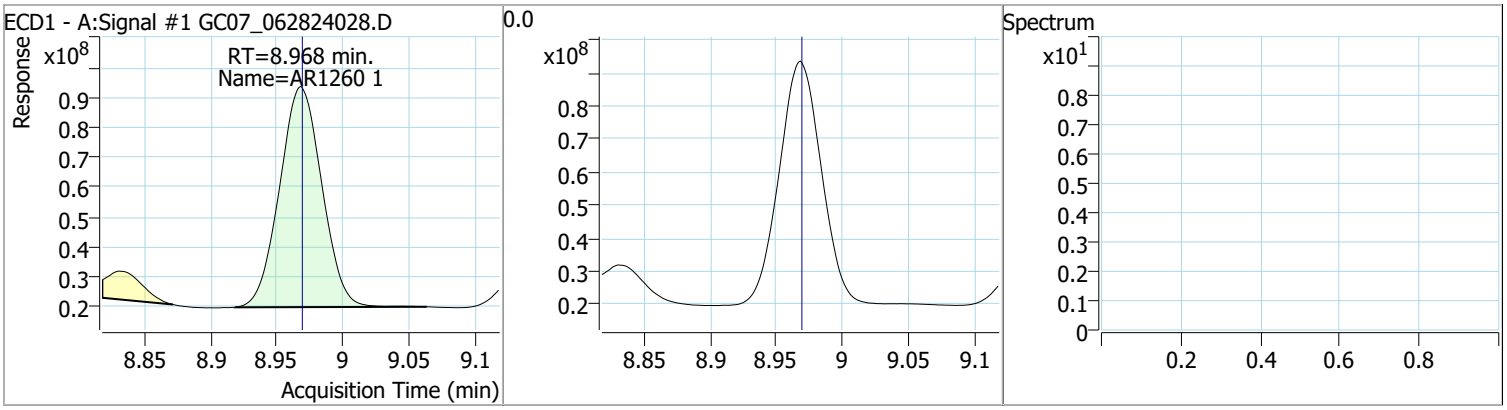
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1623.2318	7.17	0.00	31722771				



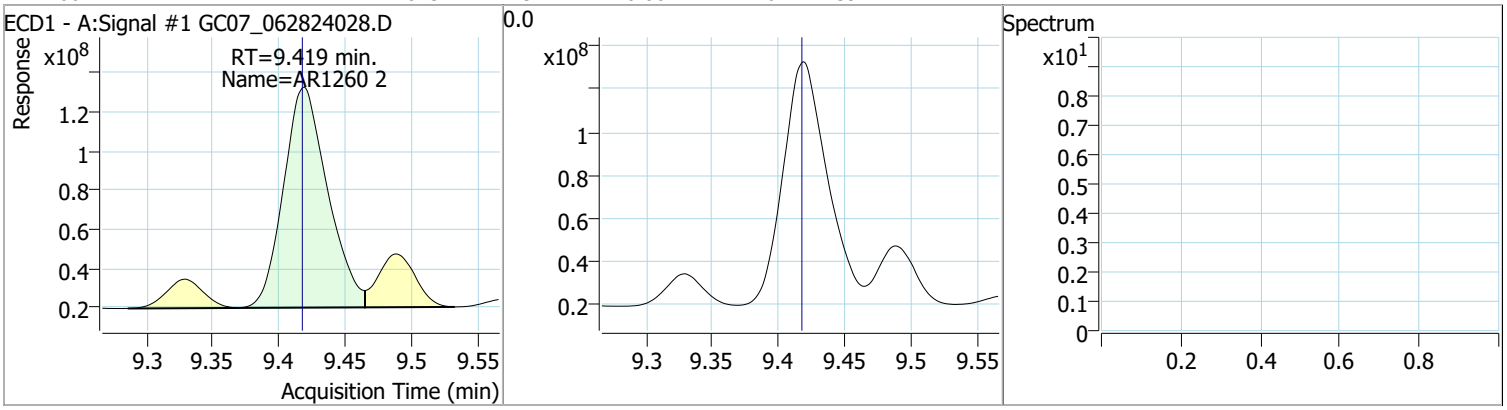
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AR1016 5 #2	1669.5818	7.91	0.00	26389484				



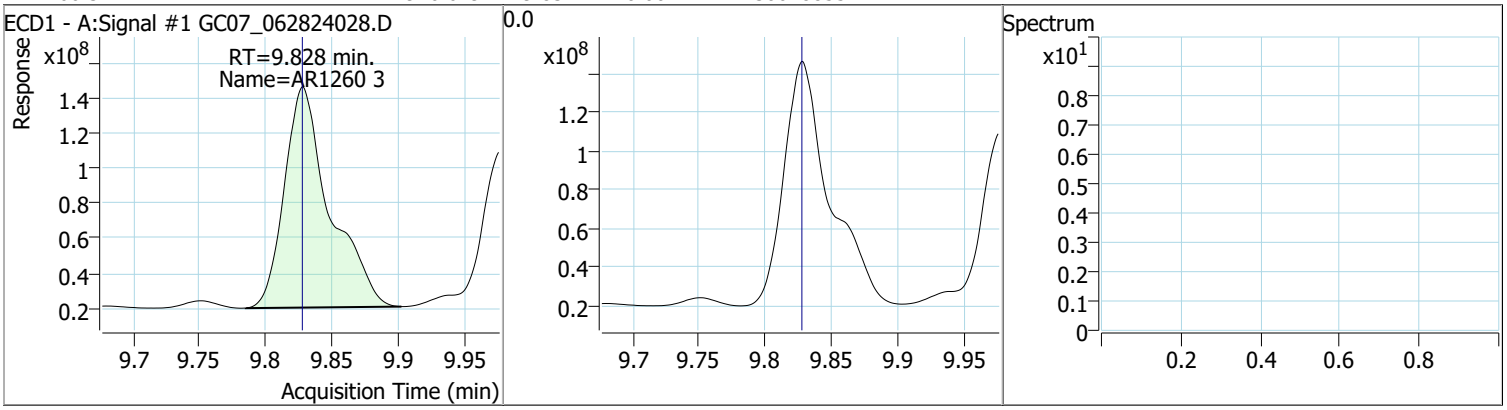
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1738.9678	8.97	0.00	163694034				



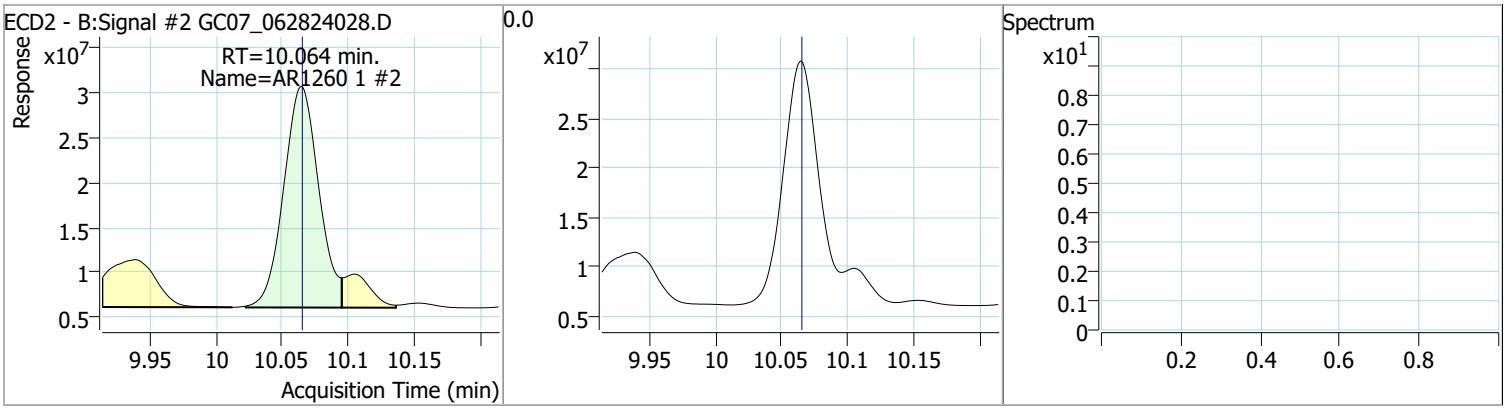
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1823.2227	9.42	0.00	262121139				



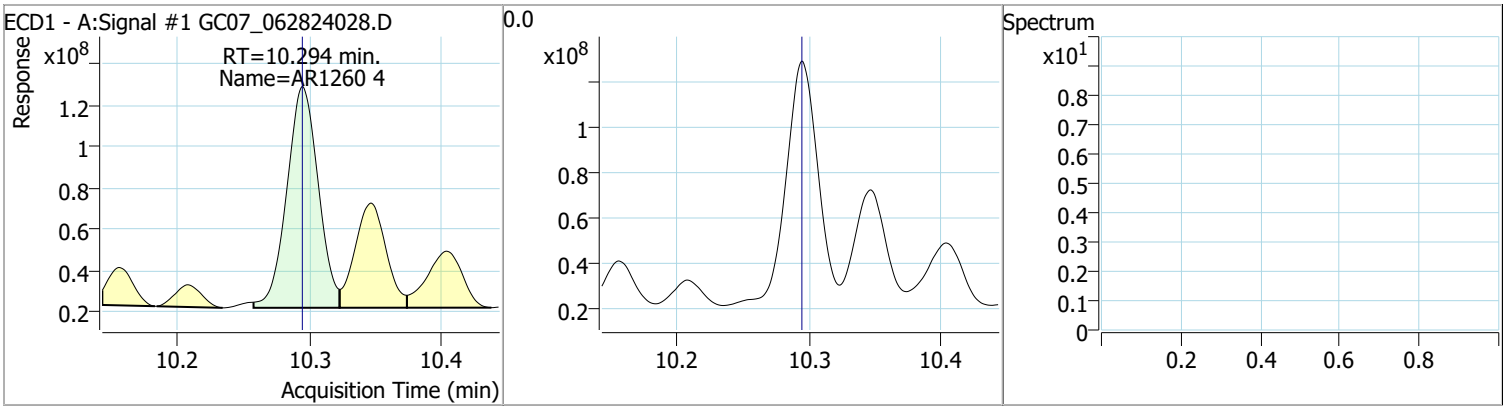
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1940.6192	9.83	0.00	300188552				



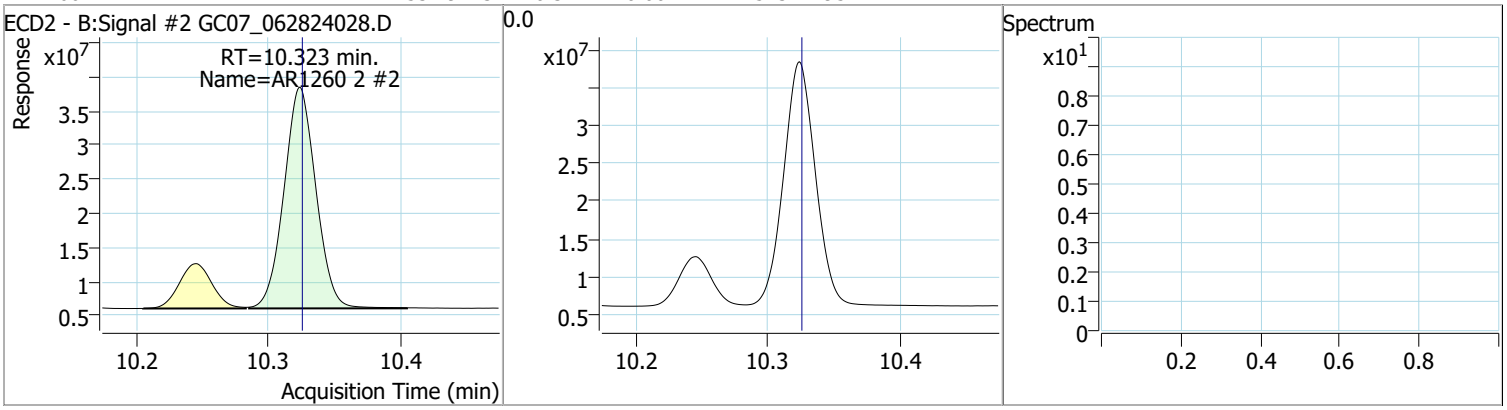
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AR1260 1 #2	1615.9576	10.06	0.00	45427088				



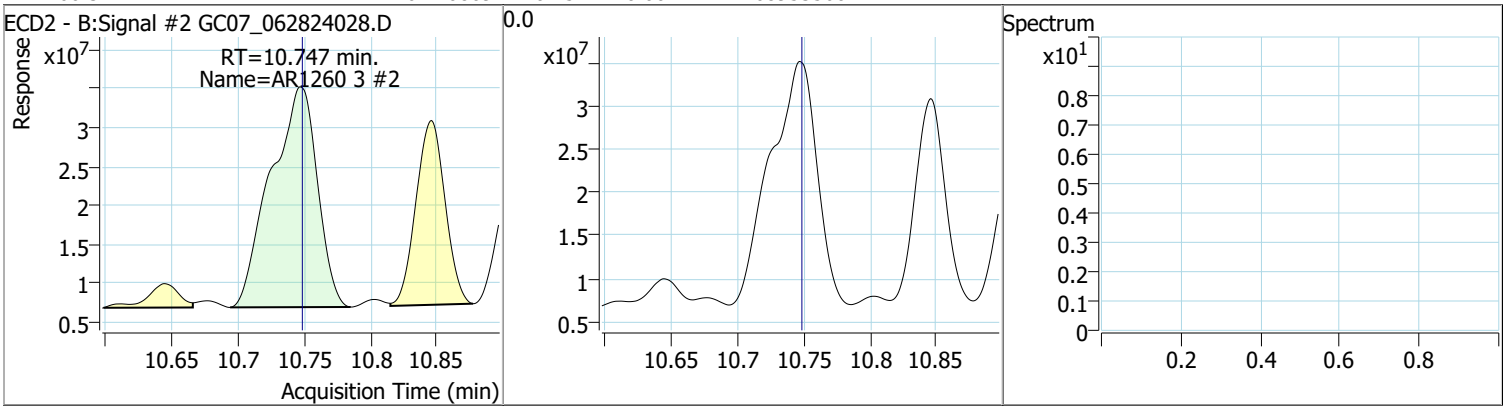
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1979.4214	10.29	0.00	177019456				



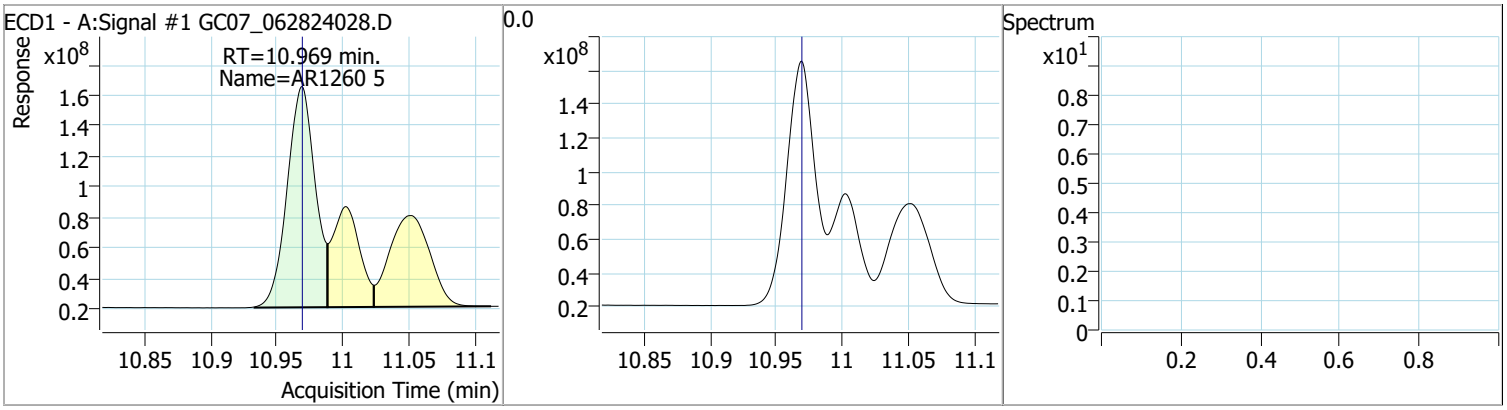
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1537.9743	10.32	0.00	54314495				



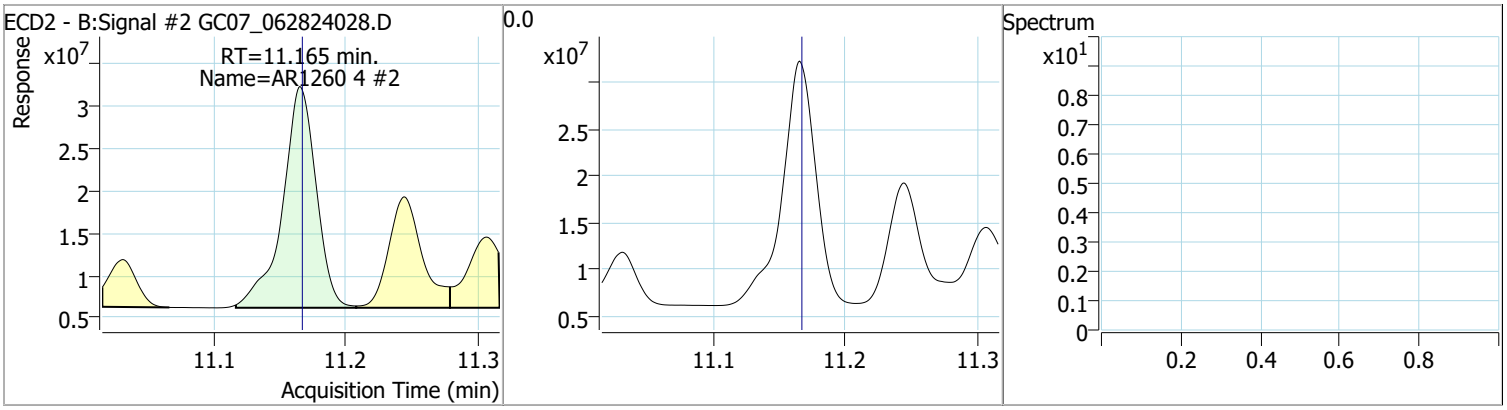
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1622.0809	10.75	0.00	68953560				



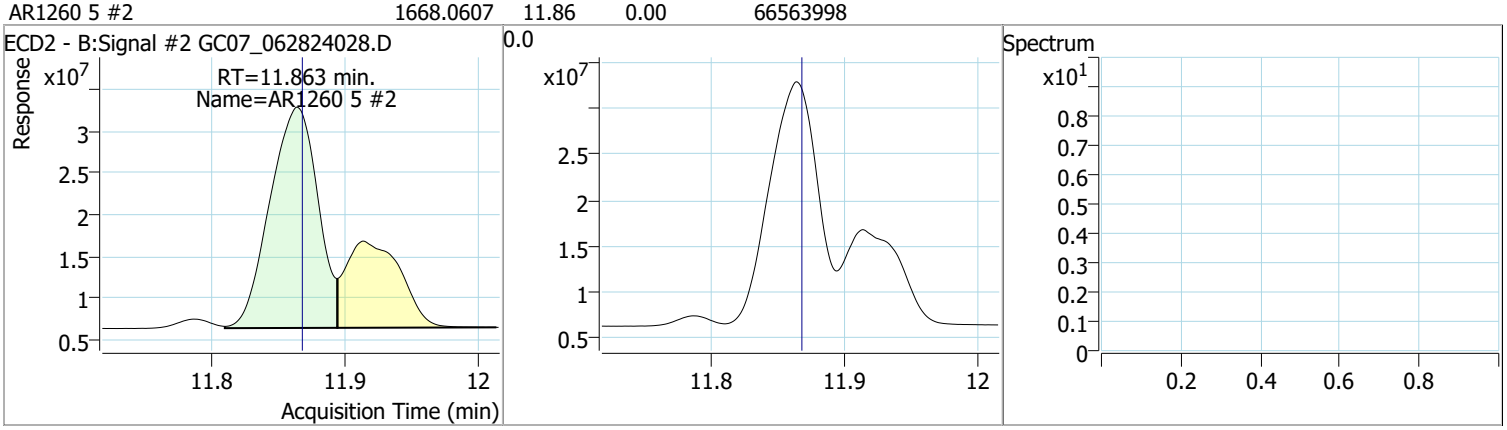
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1988.2437	10.97	0.00	212918830				



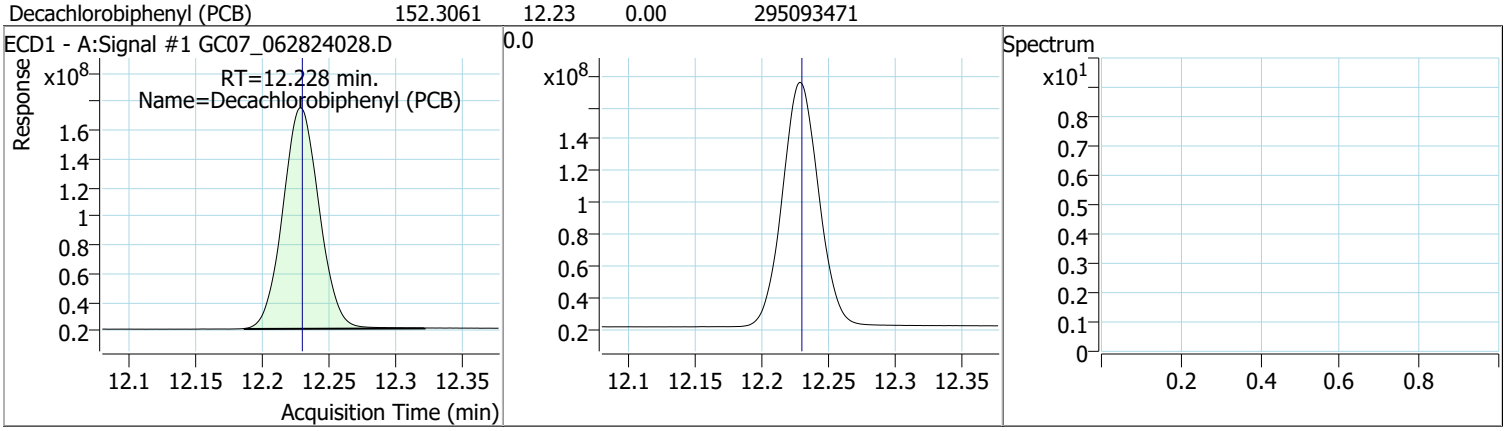
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1713.7276	11.17	0.00	46064501				



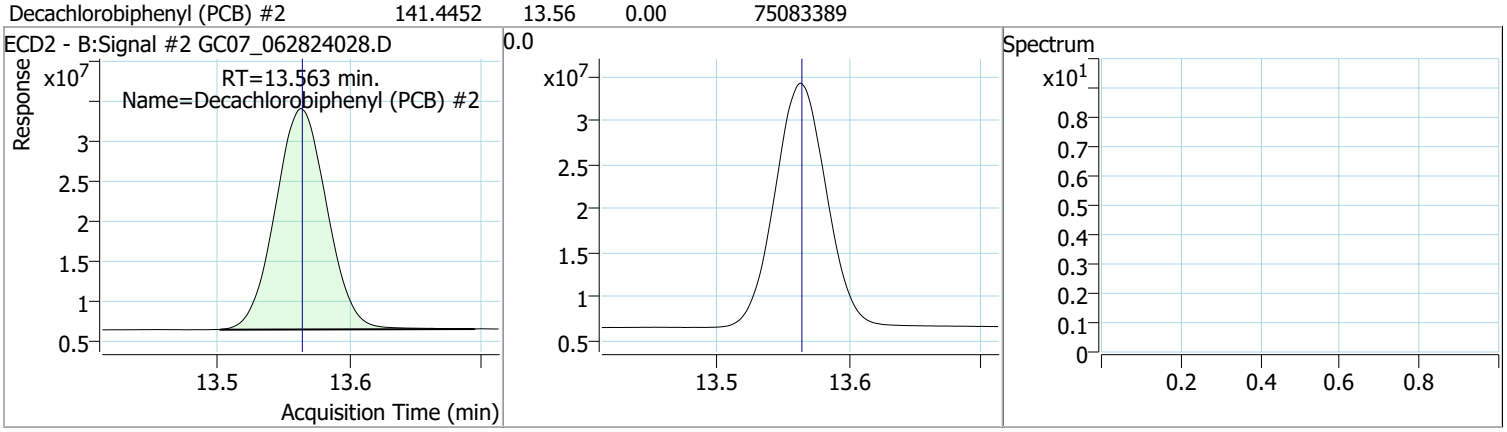
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1668.0607	11.86	0.00	66563998				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	152.3061	12.23	0.00	295093471				

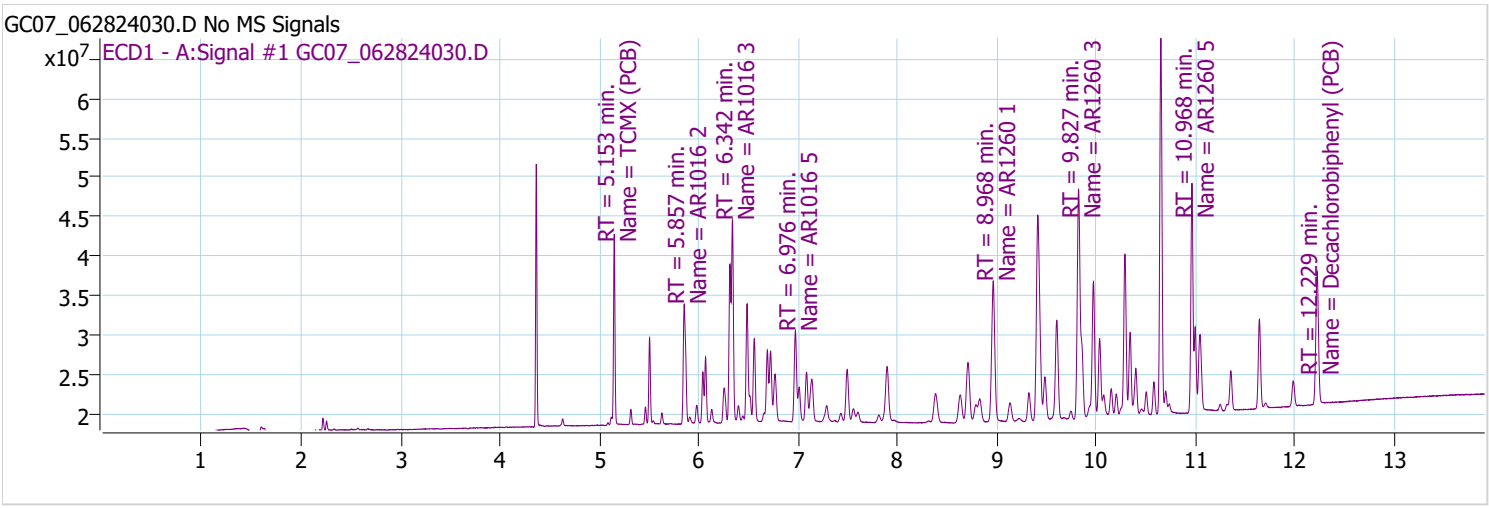


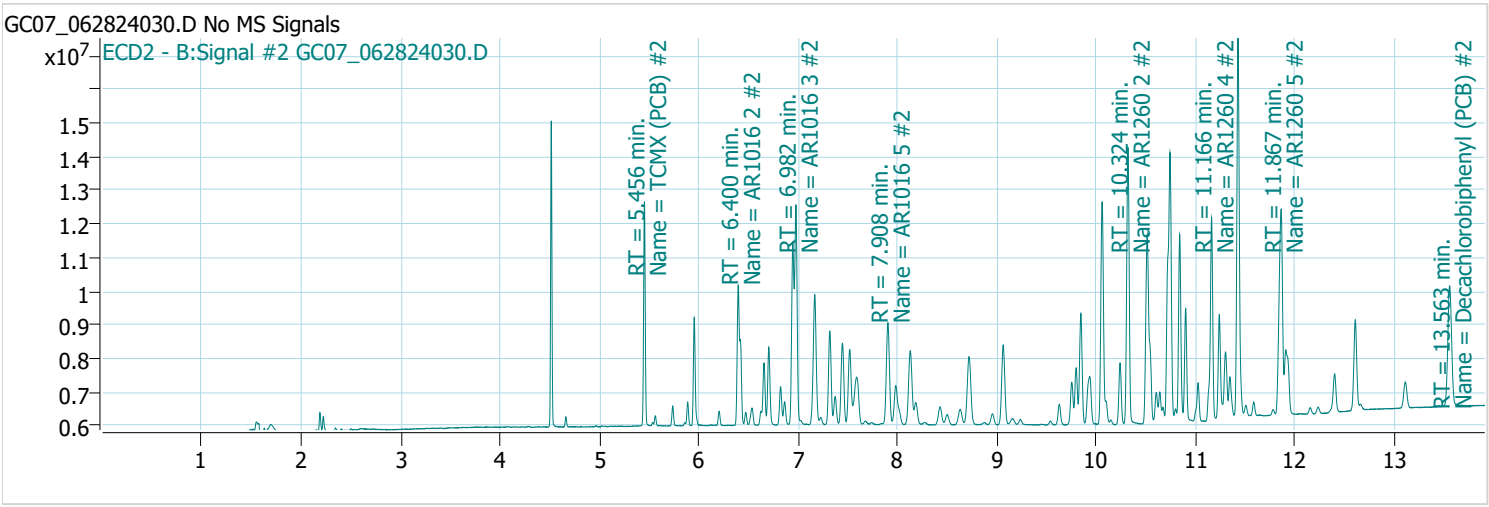
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	141.4452	13.56	0.00	75083389				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:57:48 PM
Sample Name	ICV, S20893	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



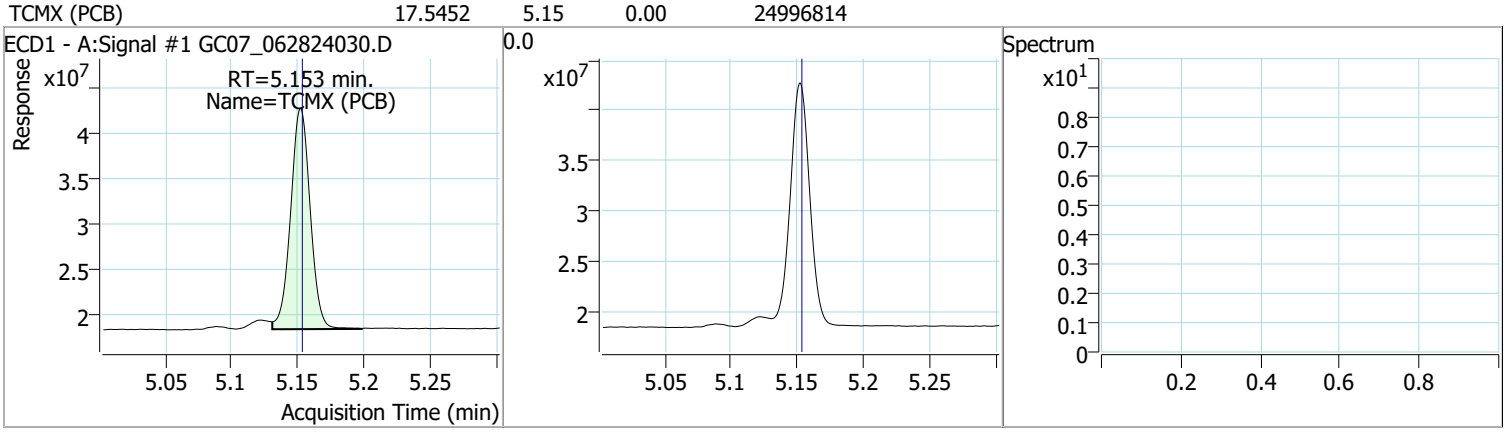


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	30413590.836	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8376601.445	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	24996814.038	17.5452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.73%		
S TCMX (PCB) #2	5.456	0.0	7611693.359	18.9448	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.72%		
S Decachlorobiphenyl (PCB)	12.229	0.0	32564996.755	19.4205	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S Decachlorobiphenyl (PCB) #2	13.563	0.0	9597731.276	20.9734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.87%		
Target Compounds						QValue

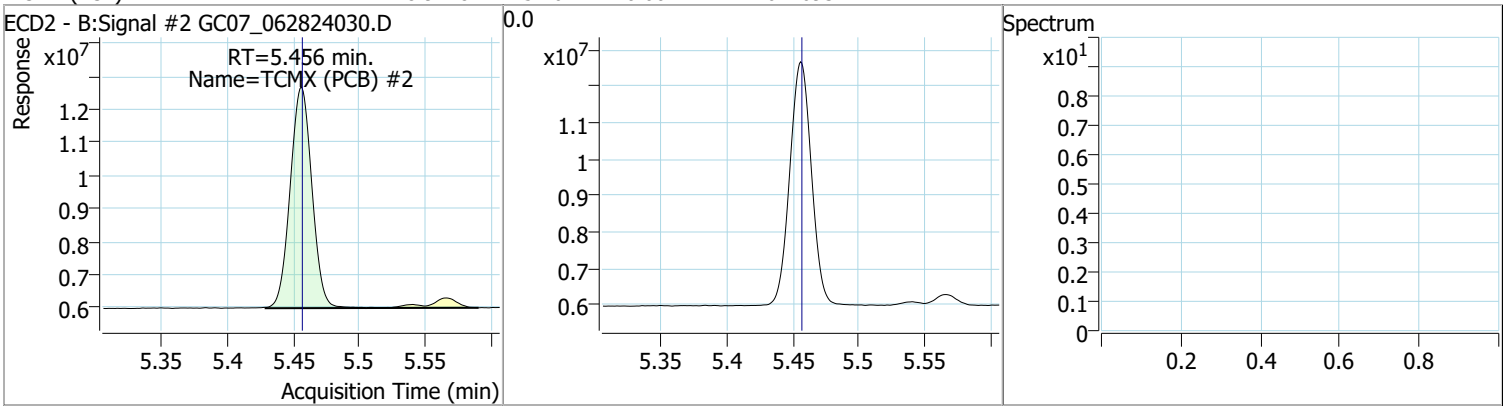
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	12386632.760	465.9366	ng/ml		100
T AR1016 2	5.857	0.0	26299436.209	476.2082	ng/ml		100
T AR1016 1 #2	5.958	0.0	4174180.598	471.9539	ng/ml		100
T AR1016 3	6.342	0.0	34546415.235	527.2991	ng/ml		100
T AR1016 2 #2	6.400	0.0	9001561.380	492.6084	ng/ml		100
T AR1016 4	6.490	0.0	22137100.040	479.0359	ng/ml	m	100
T AR1016 5	6.976	0.0	19309556.131	475.3658	ng/ml		100
T AR1016 3 #2	6.982	0.0	11170392.572	490.1349	ng/ml		100
T AR1016 4 #2	7.171	0.0	8088316.342	480.0909	ng/ml		100
T AR1016 5 #2	7.908	0.0	6582770.698	483.1049	ng/ml		100
T AR1260 1	8.968	0.0	39268423.192	482.0085	ng/ml		100
T AR1260 2	9.417	0.0	62386512.904	501.3961	ng/ml		100
T AR1260 3	9.827	0.0	71409385.341	533.4012	ng/ml		100
T AR1260 1 #2	10.064	0.0	13287658.707	548.3015	ng/ml		100
T AR1260 4	10.293	0.0	34310803.890	443.3030	ng/ml		100
T AR1260 2 #2	10.324	0.0	14596035.265	479.4288	ng/ml		100
T AR1260 3 #2	10.748	0.0	18681897.932	509.7917	ng/ml		100
T AR1260 5	10.968	0.0	43060287.597	464.6062	ng/ml		100
T AR1260 4 #2	11.166	0.0	10737657.512	463.3839	ng/ml		100
T AR1260 5 #2	11.867	0.0	14959700.763	434.8618	ng/ml		100

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

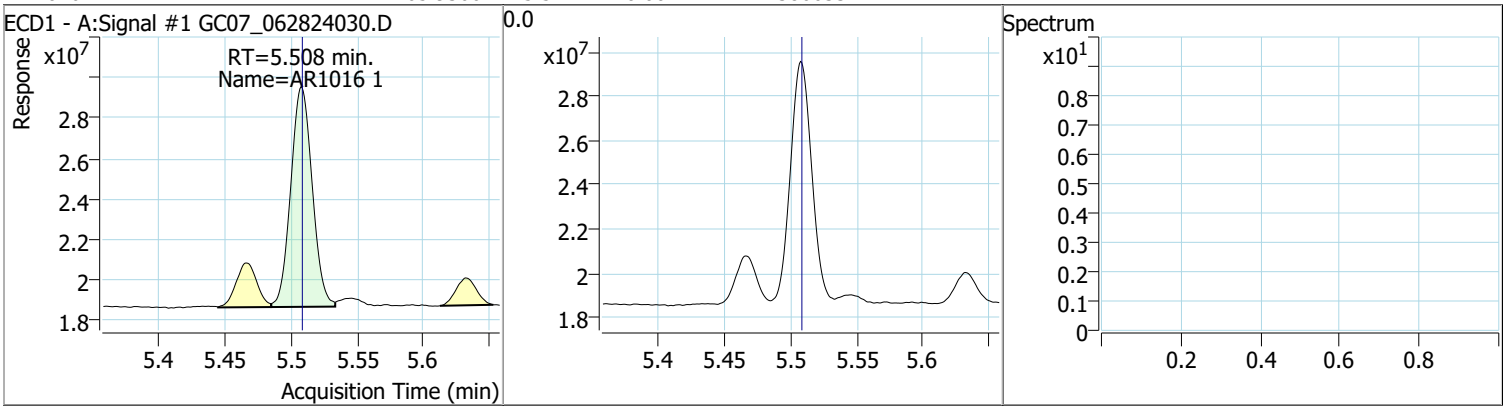
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.5452	5.15	0.00	24996814				



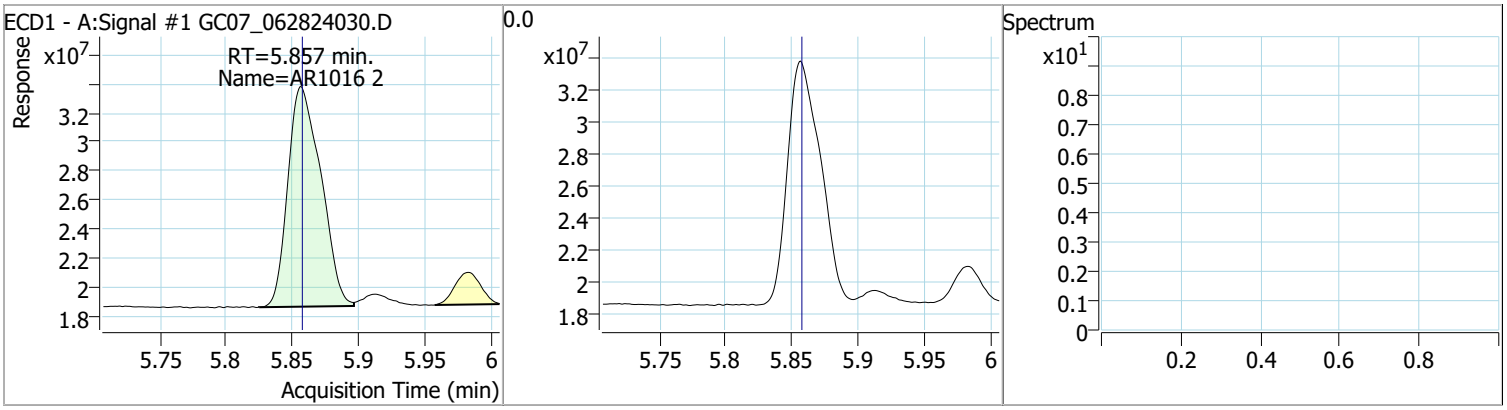
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.9448	5.46	0.00	7611693				



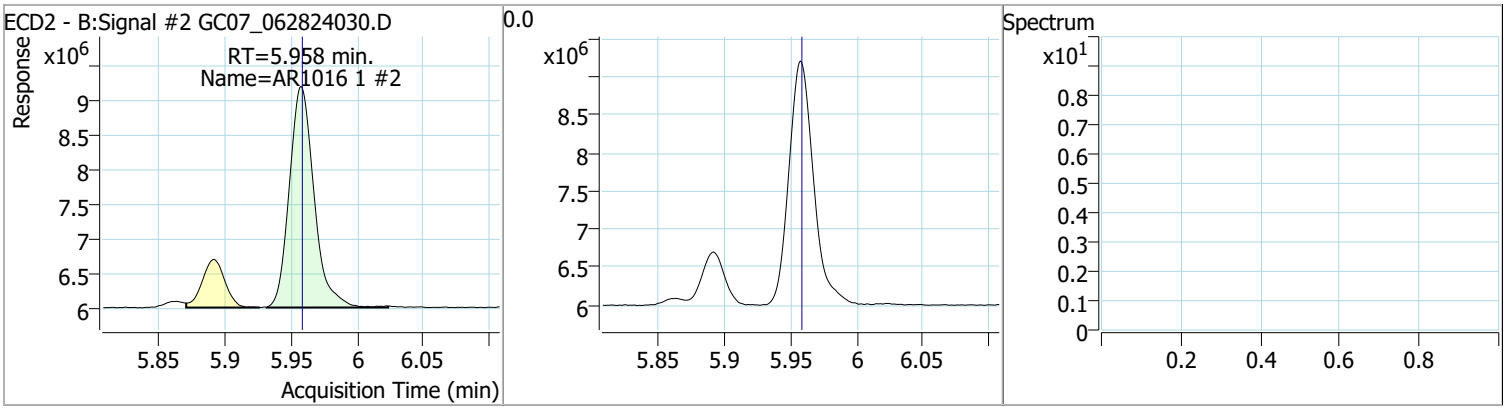
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.9366	5.51	0.00	12386633				



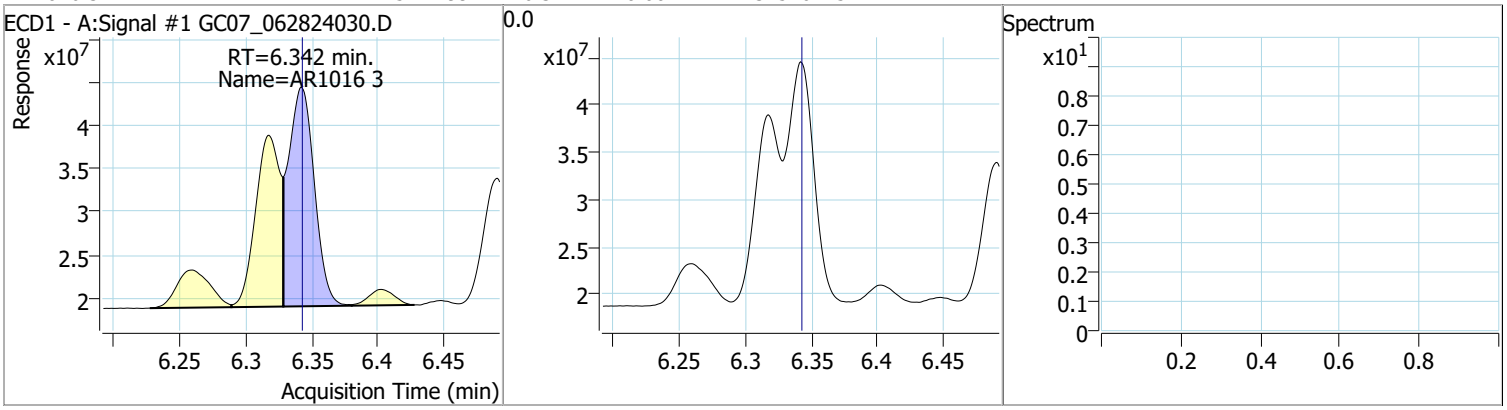
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2082	5.86	0.00	26299436				



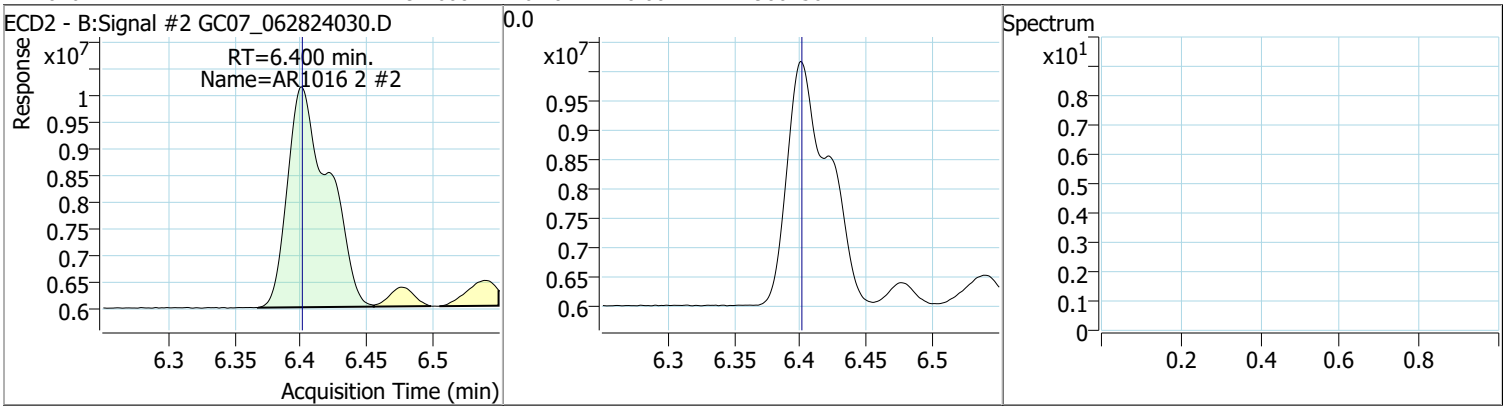
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.9539	5.96	0.00	4174181				



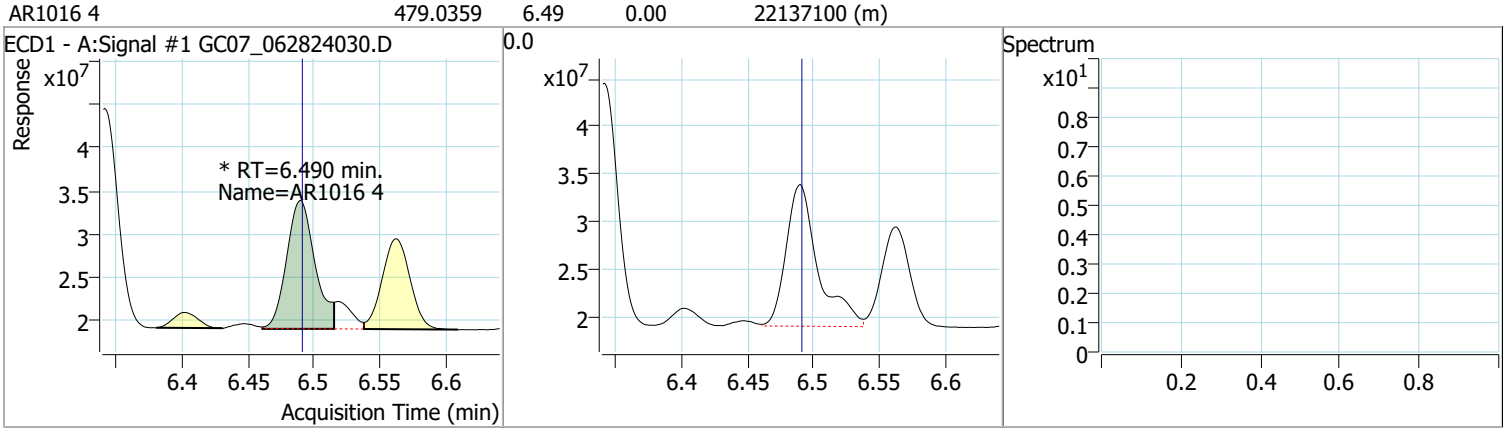
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	527.2991	6.34	0.00	34546415				



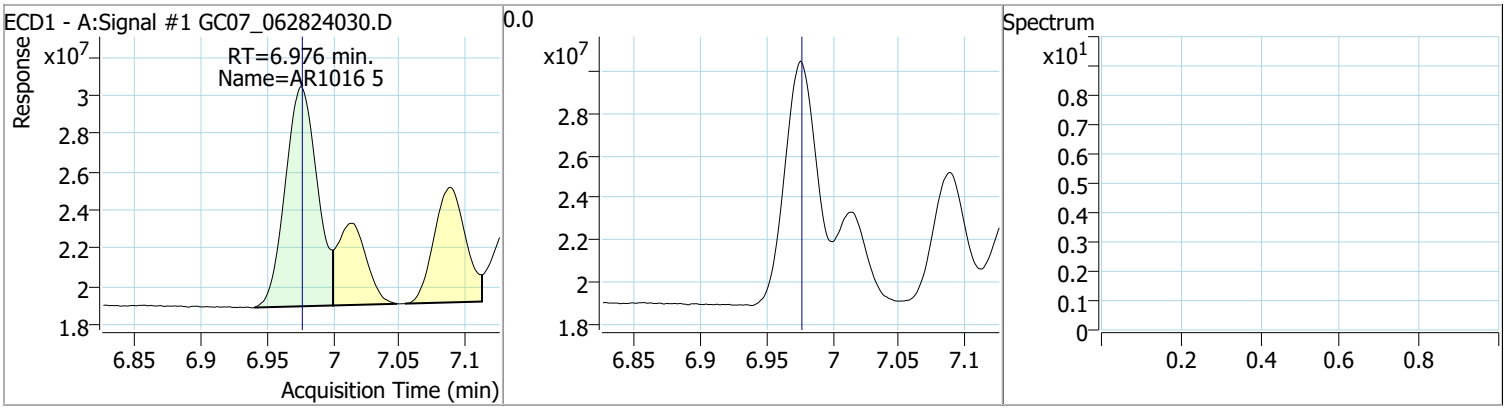
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.6084	6.40	0.00	9001561				



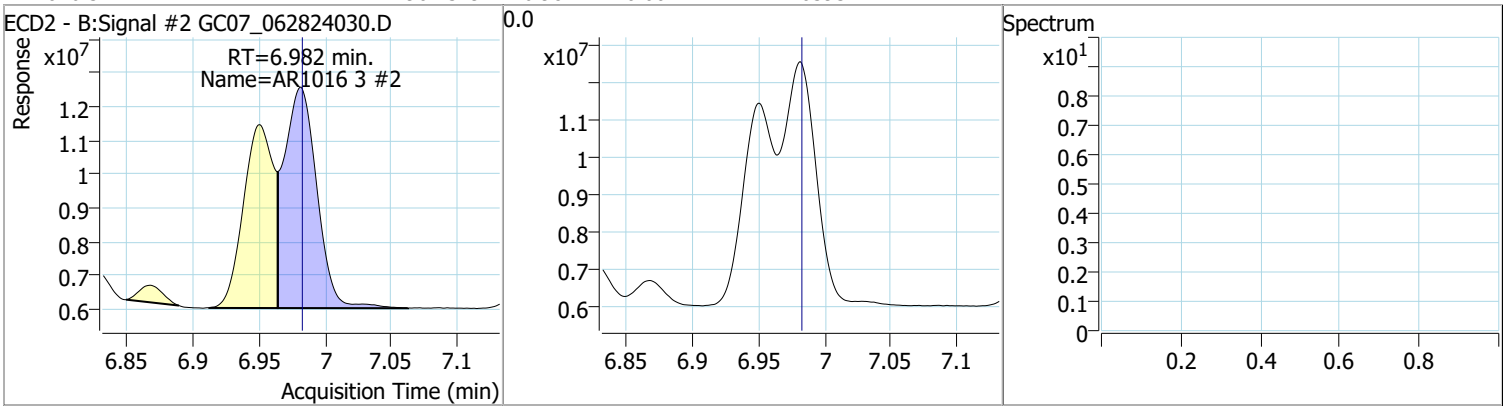
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.0359	6.49	0.00	22137100 (m)				



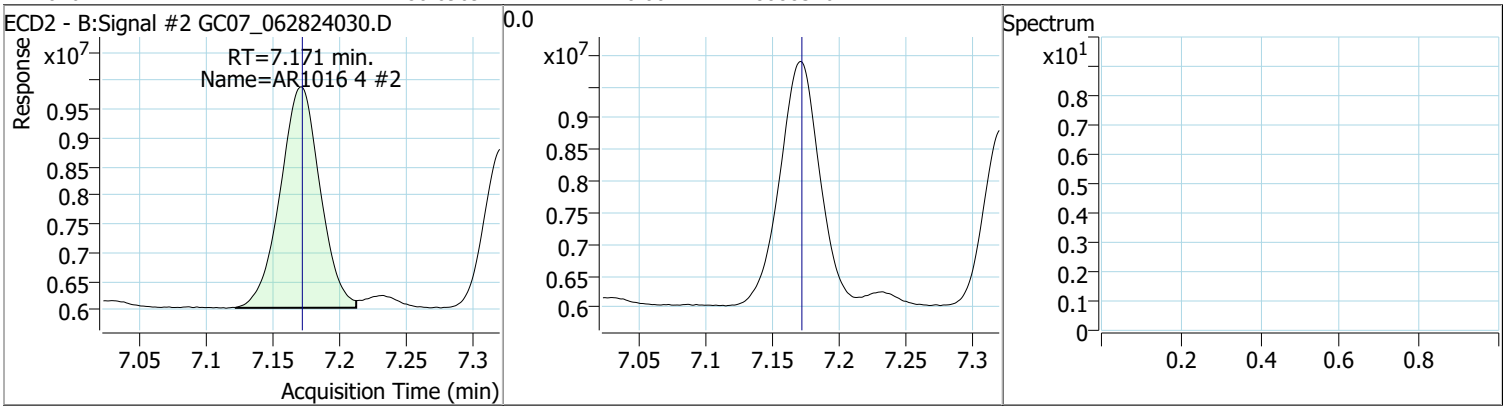
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	475.3658	6.98	0.00	19309556				



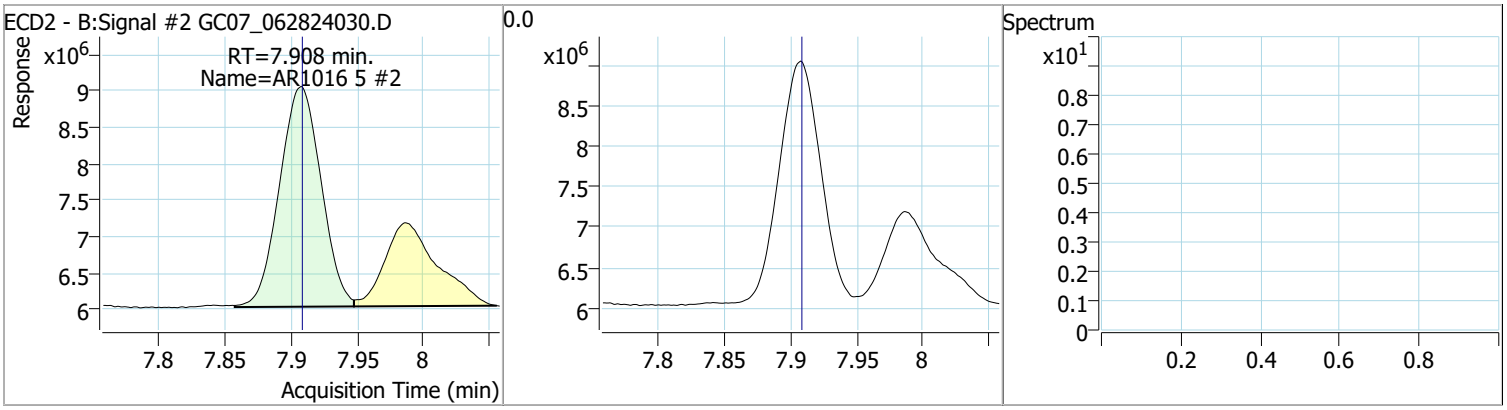
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.1349	6.98	0.00	11170393				



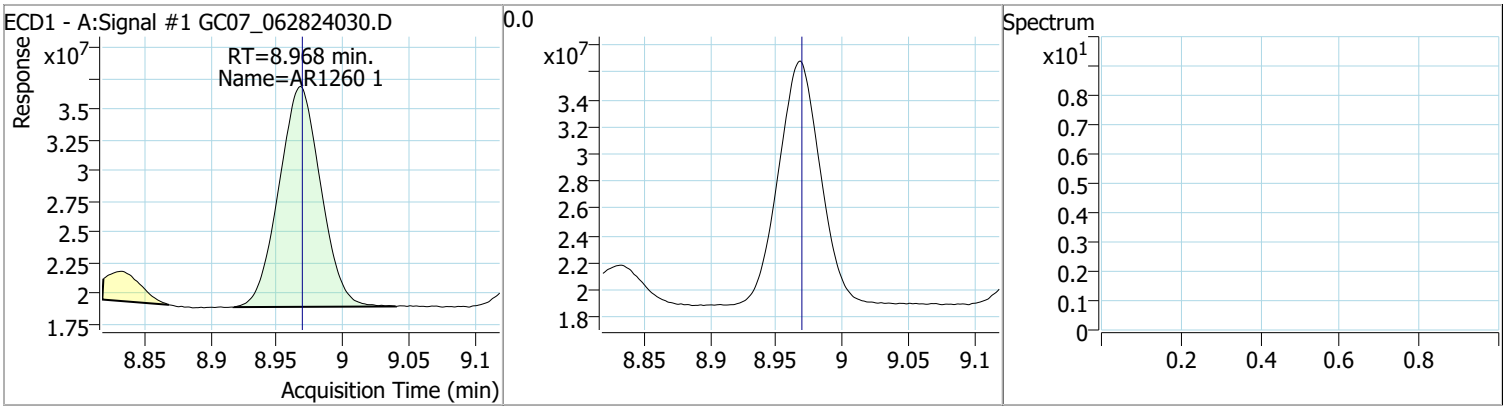
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.0909	7.17	0.00	8088316				



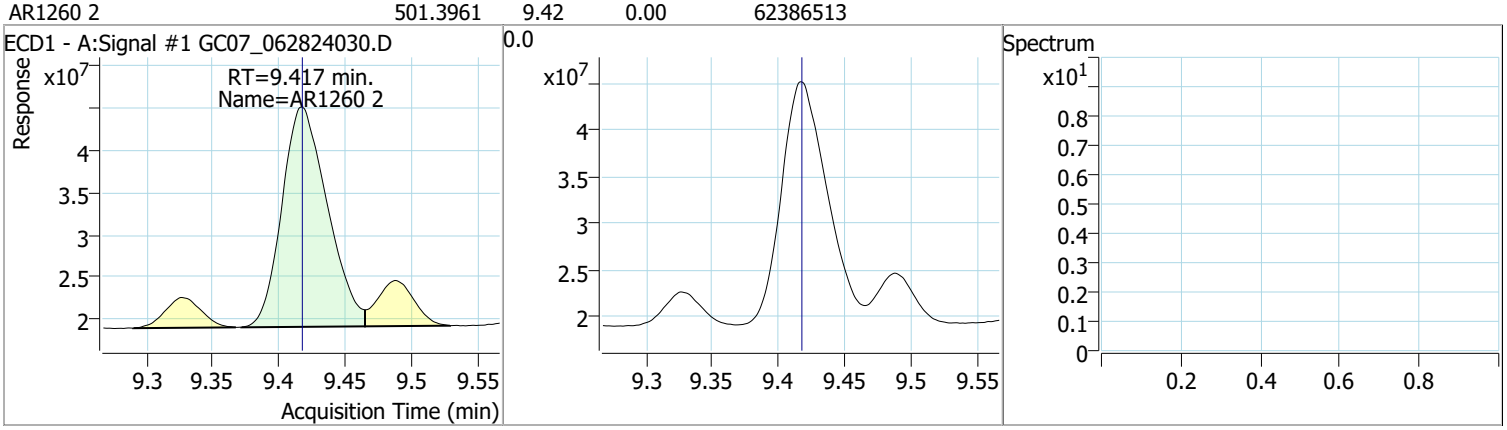
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.1049	7.91	0.00	6582771				



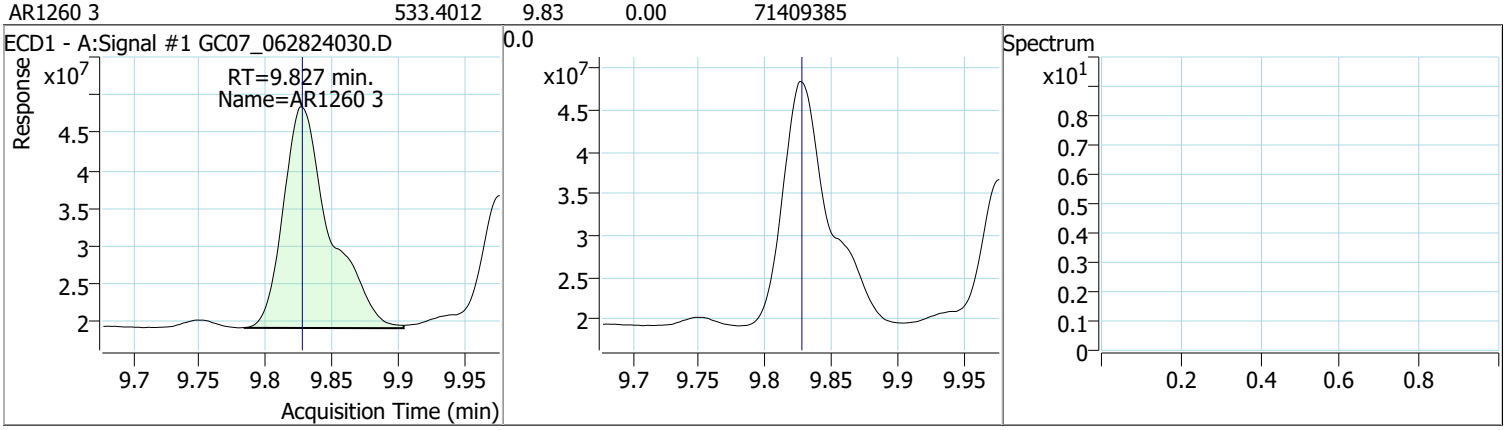
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.0085	8.97	0.00	39268423				



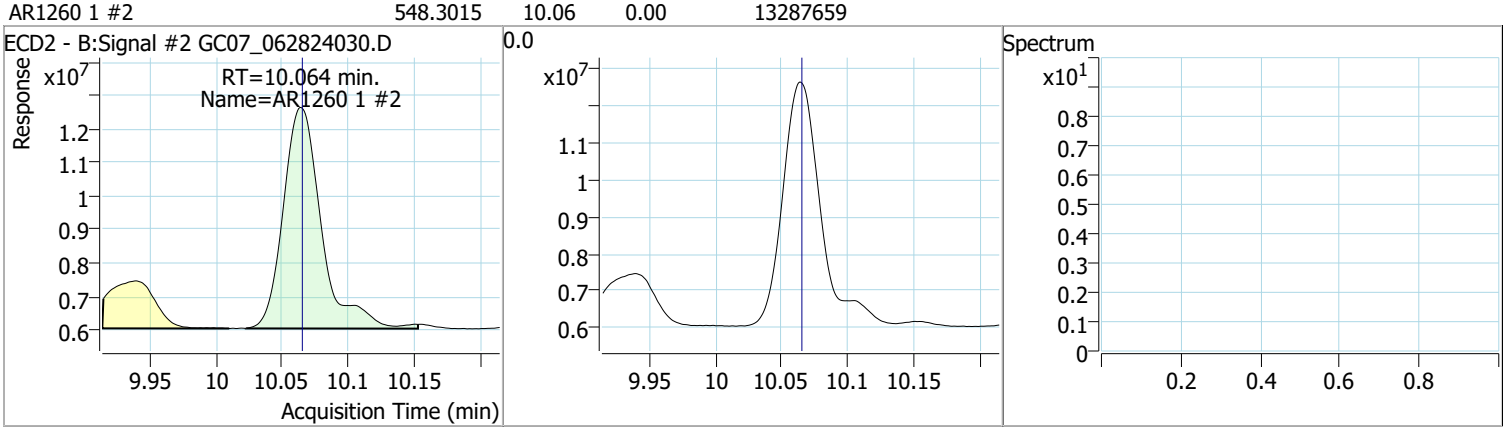
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	501.3961	9.42	0.00	62386513				



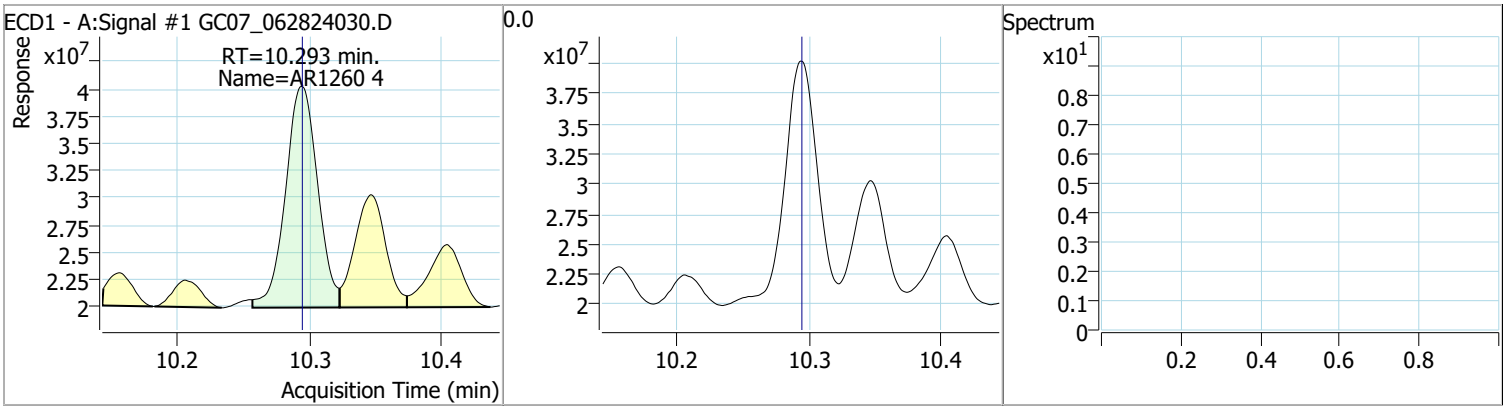
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	533.4012	9.83	0.00	71409385				



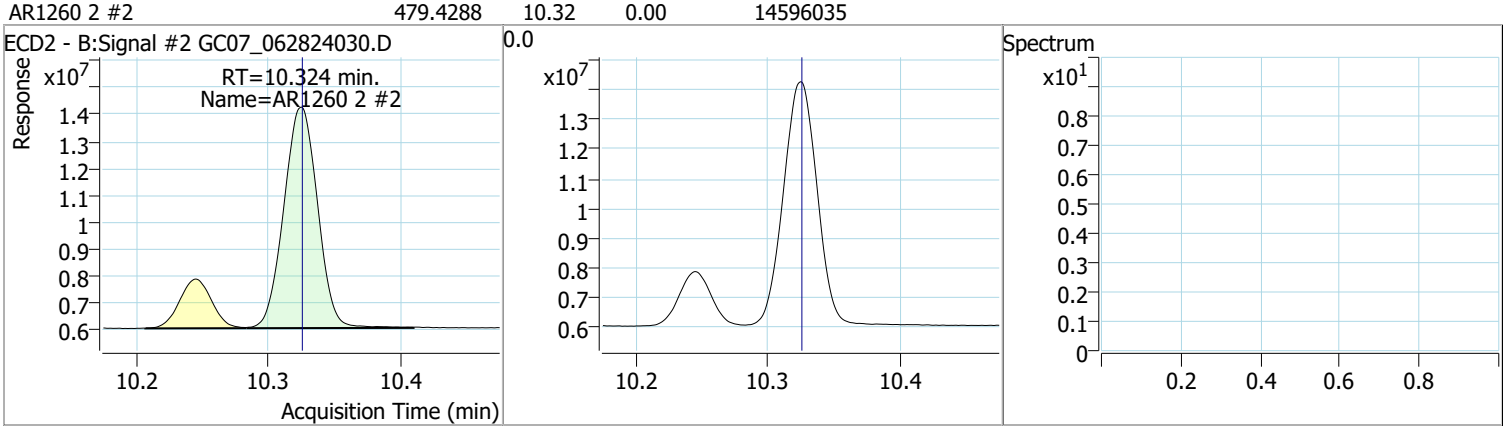
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	548.3015	10.06	0.00	13287659				



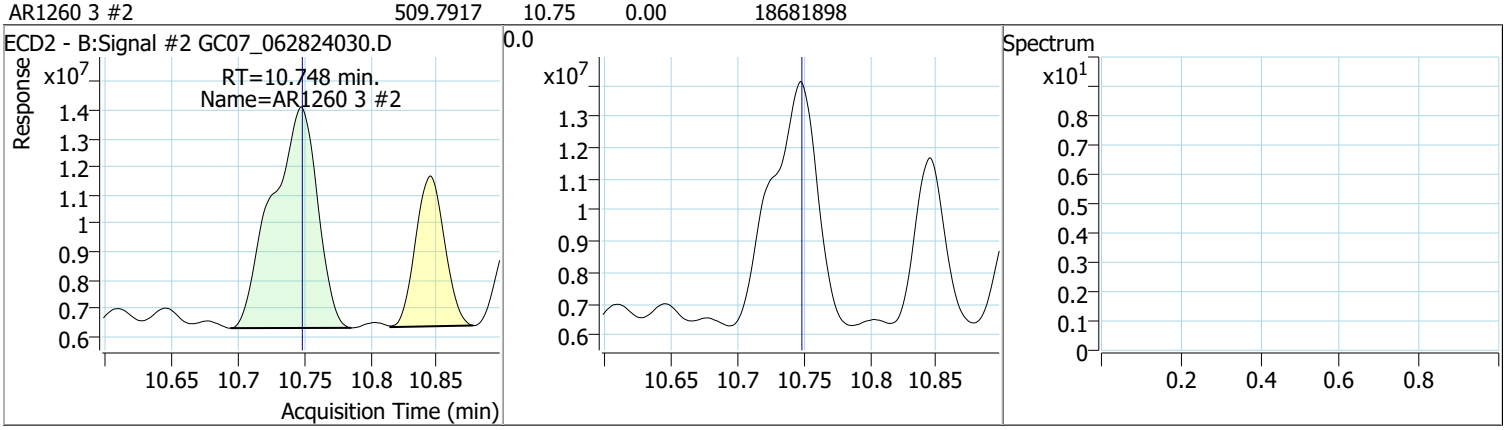
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	443.3030	10.29	0.00	34310804				



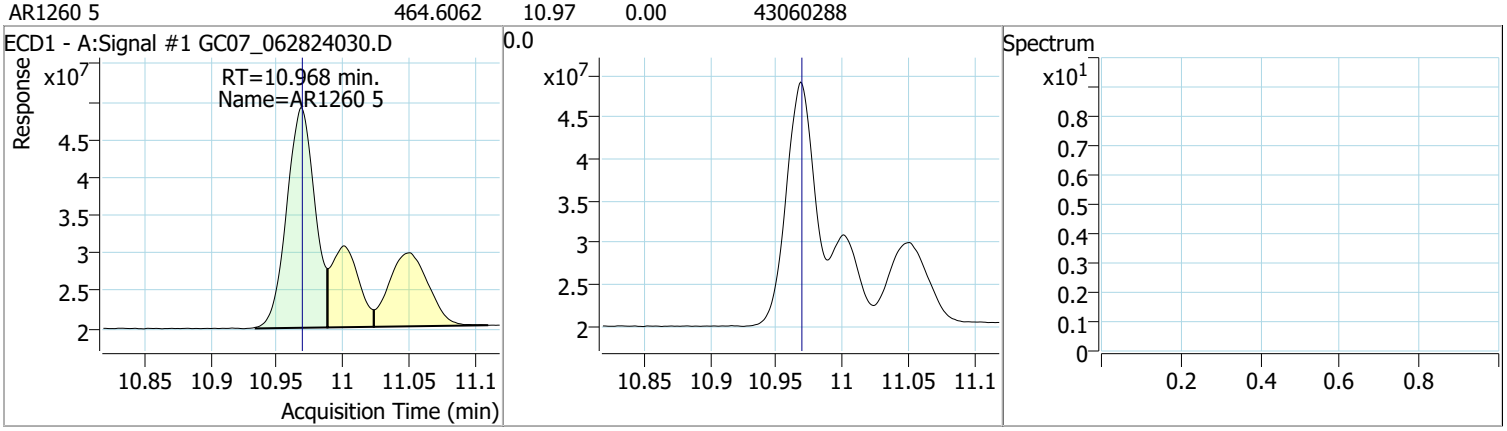
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	479.4288	10.32	0.00	14596035				



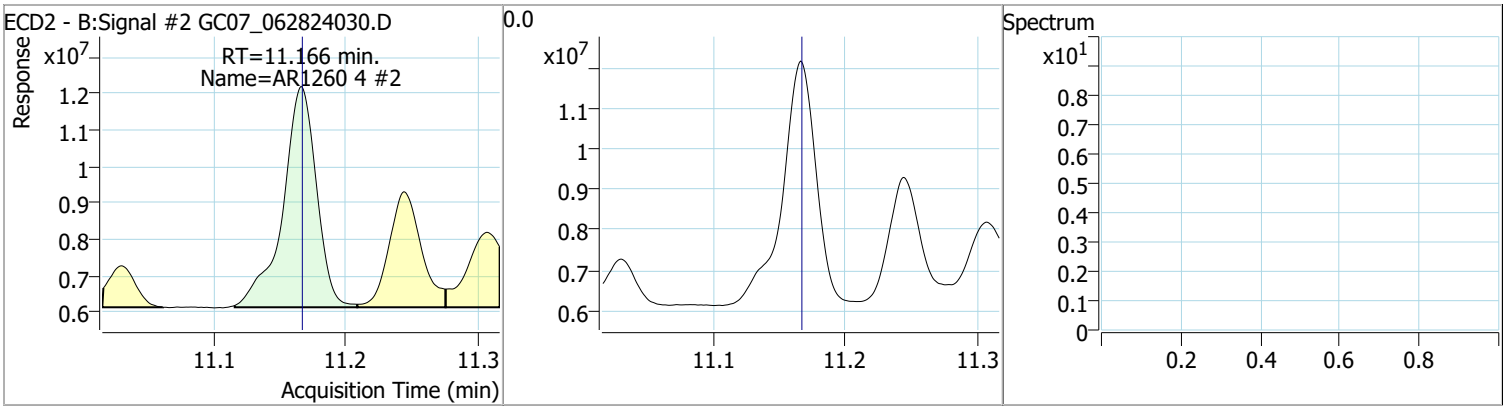
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	509.7917	10.75	0.00	18681898				



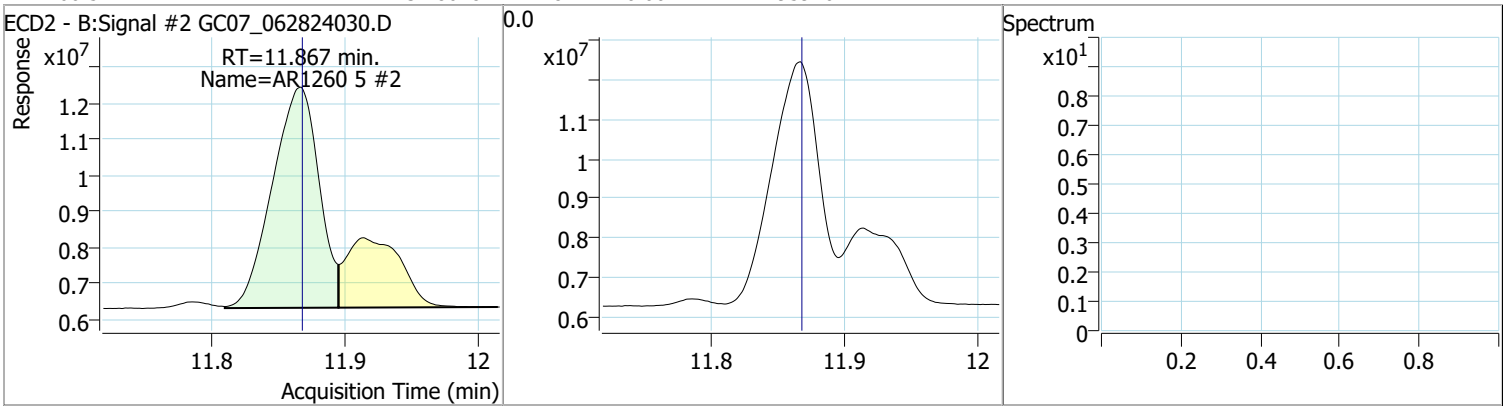
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	464.6062	10.97	0.00	43060288				



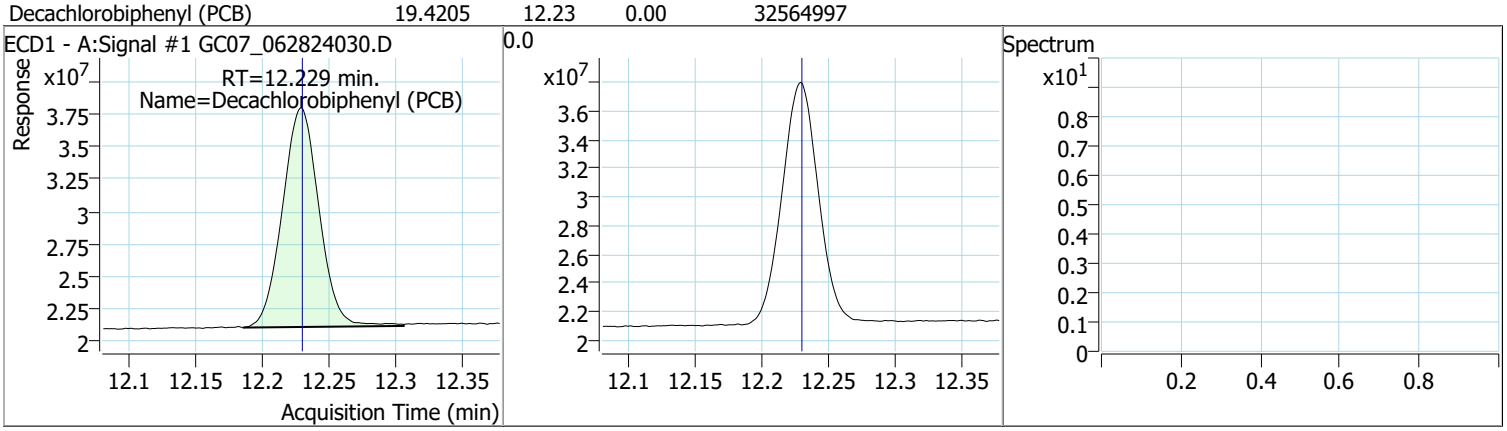
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3839	11.17	0.00	10737658				



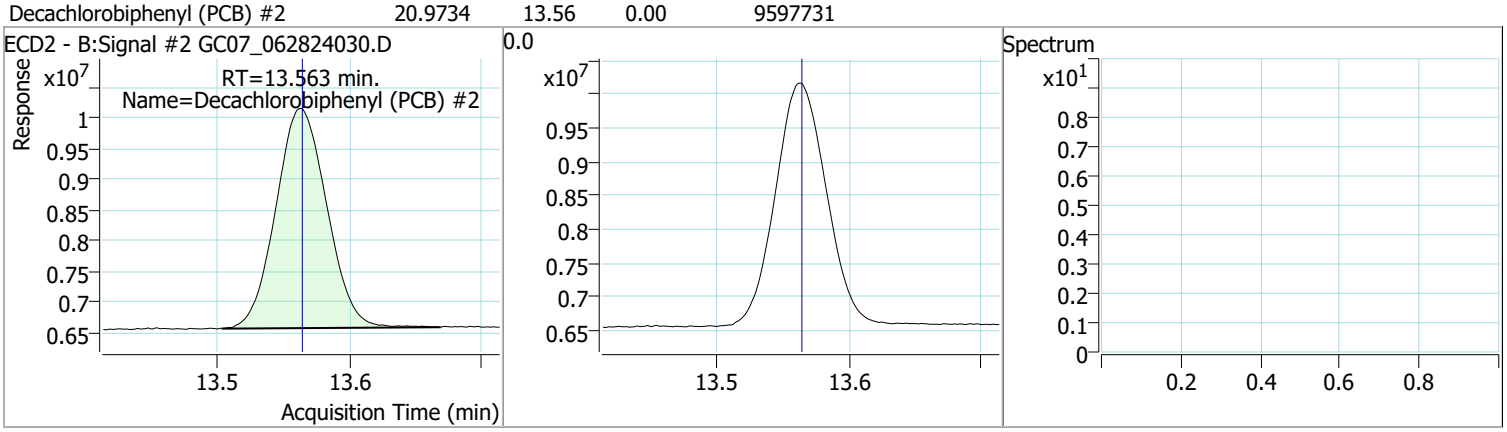
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	434.8618	11.87	0.00	14959701				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4205	12.23	0.00	32564997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9734	13.56	0.00	9597731				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464294361004	File:	gc07_072224004	Time:	22-JUL-2024 10:36
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	492.2	ug/L	-2	15	0.0000	
Aroclor-1260	A			500.0	543.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.2030	40.00	43.64	pg/uL	9	15	0.0000	
TCMX (PCB)	A	0.9369	0.8646	40.00	36.91	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	517.6	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	547.6	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.2981	40.00	47.52	pg/uL	**19**	15	0.0000	c+
TCMX (PCB)	B	0.9593	0.9520	40.00	39.70	pg/uL	-1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	10965763	36.38
1-bromo-2-nitrobenzene (PCB)	A	28707643	47936344	66.98

07/22/24 : 500 PPB PCB CCV

MES 07/23/24 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

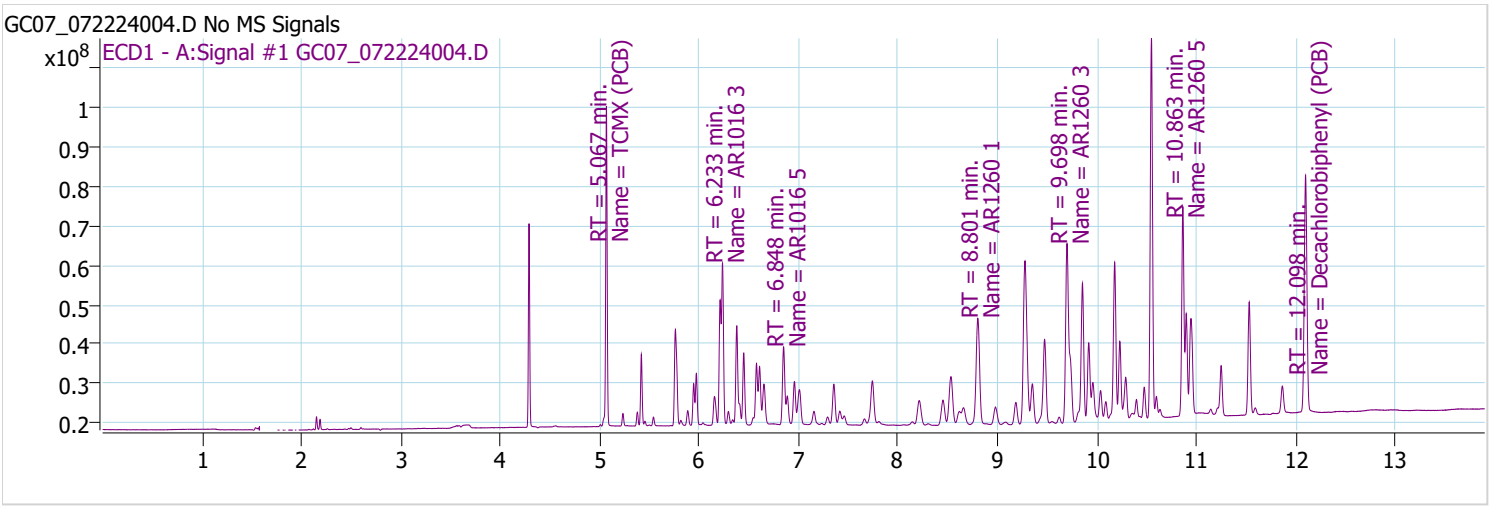
MES 07/23/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

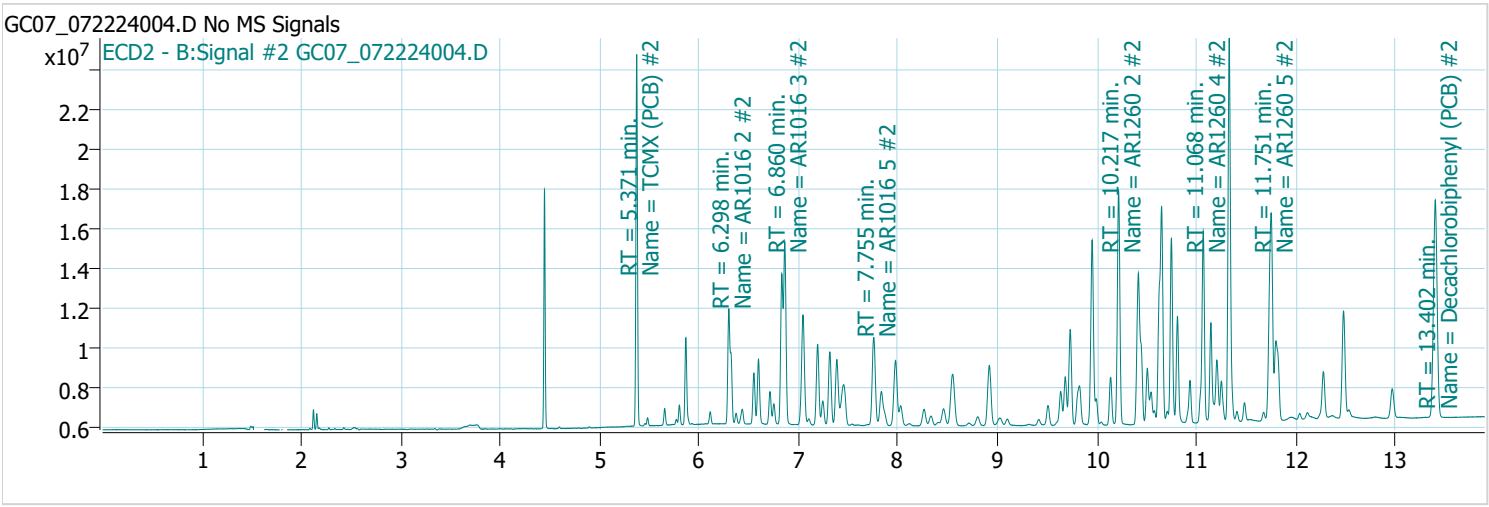
+=high bias c=CCV

Analyst: MES 07/23/24 **Reviewer:** MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 10:36:50 AM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



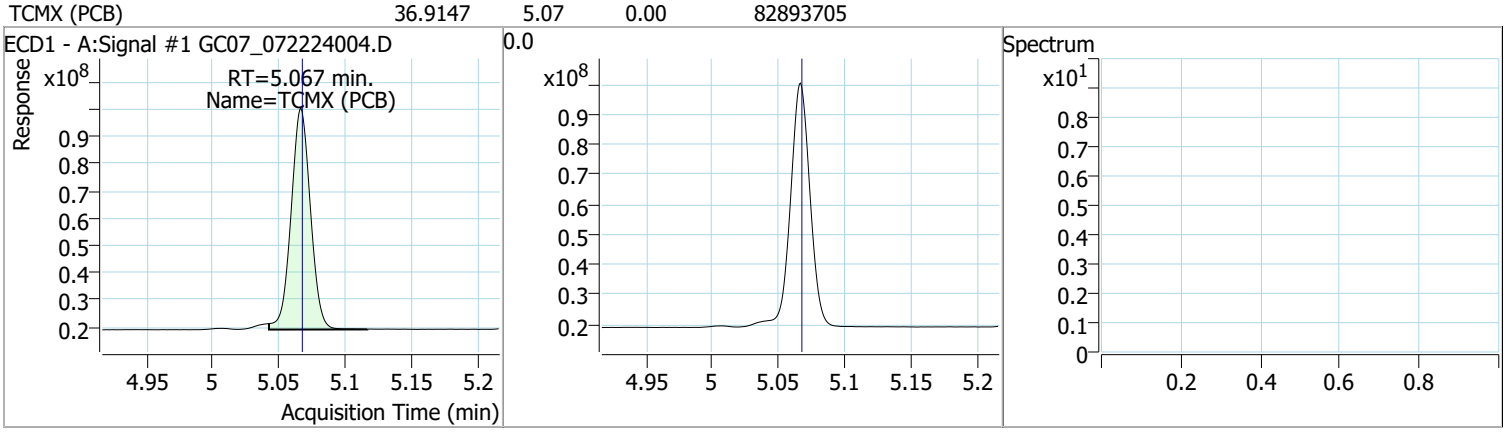


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	47936344.177	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10965763.119	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.067	0.0	82893704.994	36.9147	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.57%		*	
S TCMX (PCB) #2	5.371	0.0	20879407.631	39.6968	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.48%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	115338210.788	43.6402	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.20%		*	
S Decachlorobiphenyl (PCB) #2	13.402	0.0	28470264.270	47.5248	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.62%		*	
Target Compounds							QValue

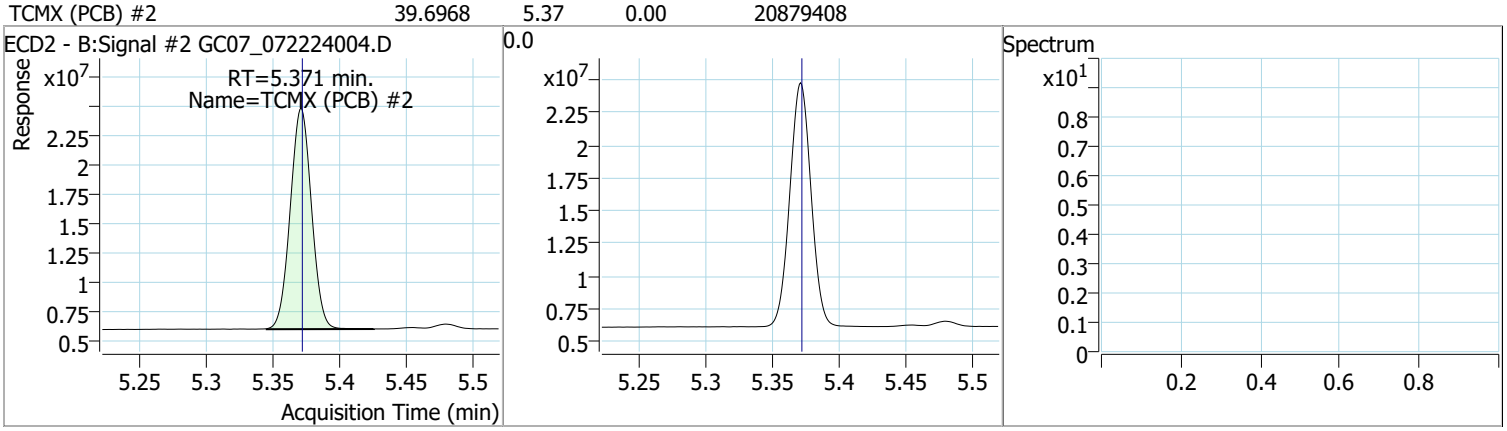
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.418	0.0	19919944.372	475.4058	ng/ml		100
T AR1016 2	5.760	0.0	41497151.692	476.7290	ng/ml		100
T AR1016 1 #2	5.865	0.0	5688360.998	491.2974	ng/ml		100
T AR1016 3	6.233	0.0	55758829.130	540.1286	ng/ml		100
T AR1016 2 #2	6.298	0.0	12338453.776	515.7909	ng/ml		100
T AR1016 4	6.378	0.0	33597091.097	461.2664	ng/ml	m	100
T AR1016 5	6.848	0.0	32481264.785	507.3310	ng/ml		100
T AR1016 3 #2	6.860	0.0	15440600.366	517.5358	ng/ml		100
T AR1016 4 #2	7.043	0.0	11339496.283	514.1480	ng/ml		100
T AR1016 5 #2	7.755	0.0	9796964.855	549.2287	ng/ml		100
T AR1260 1	8.801	0.0	66669210.022	519.2055	ng/ml		100
T AR1260 2	9.276	0.0	103518871.642	527.8524	ng/ml		100
T AR1260 3	9.698	0.0	116687699.233	553.0019	ng/ml		100
T AR1260 1 #2	9.951	0.0	17605984.564	554.9582	ng/ml		100
T AR1260 4	10.178	0.0	68809980.596	564.0583	ng/ml		100
T AR1260 2 #2	10.217	0.0	20911228.093	524.6840	ng/ml		100
T AR1260 3 #2	10.649	0.0	26362497.250	549.5248	ng/ml		100
T AR1260 5	10.863	0.0	81154156.747	555.5481	ng/ml		100
T AR1260 4 #2	11.068	0.0	16289635.250	536.9968	ng/ml	m	100
T AR1260 5 #2	11.751	0.0	25750016.044	571.7878	ng/ml		100

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

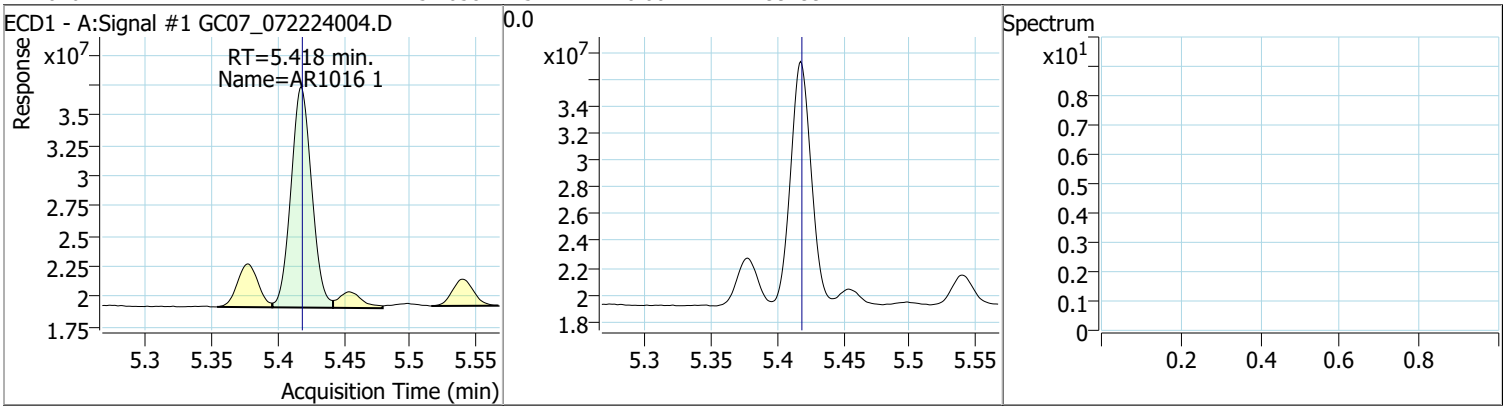
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.9147	5.07	0.00	82893705				



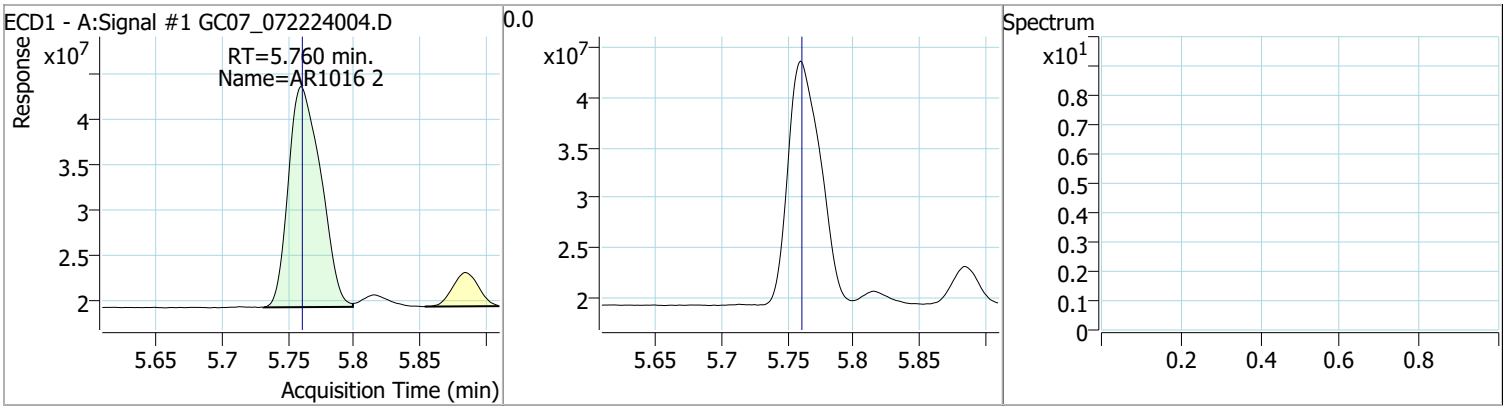
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.6968	5.37	0.00	20879408				



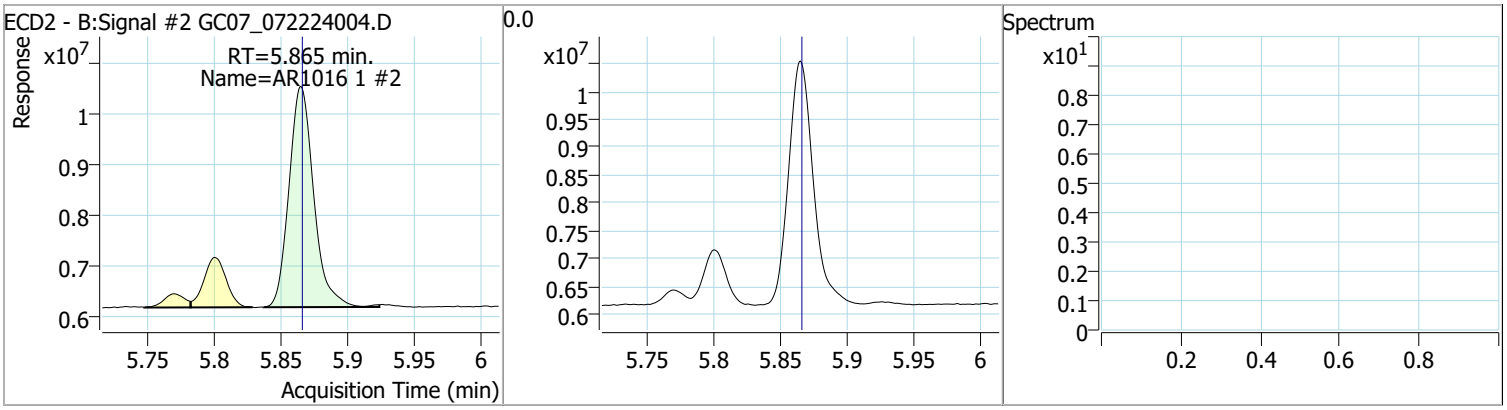
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	475.4058	5.42	0.00	19919944				



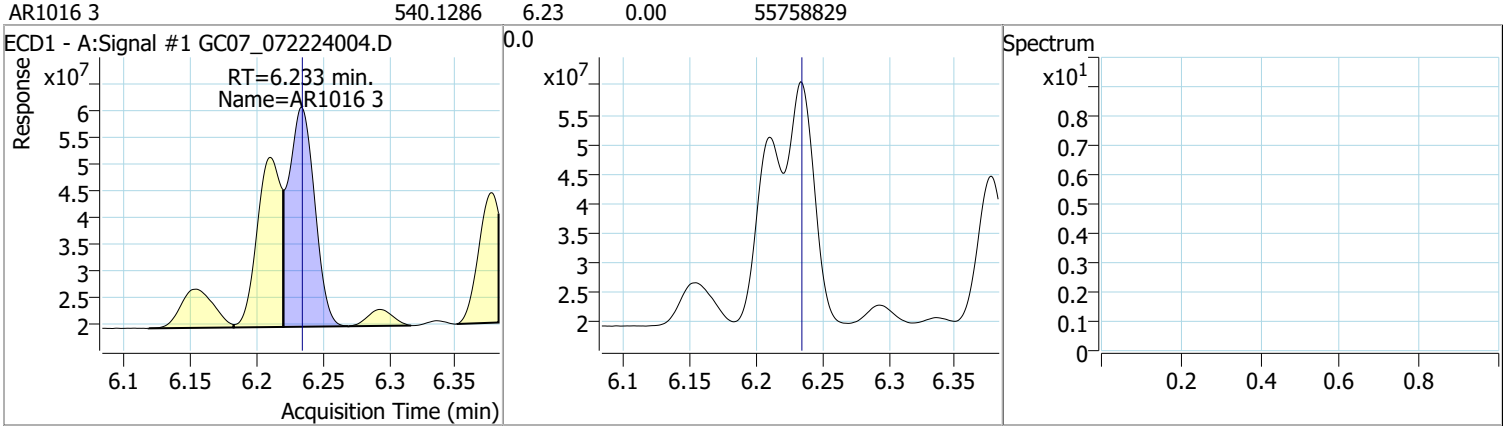
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.7290	5.76	0.00	41497152				



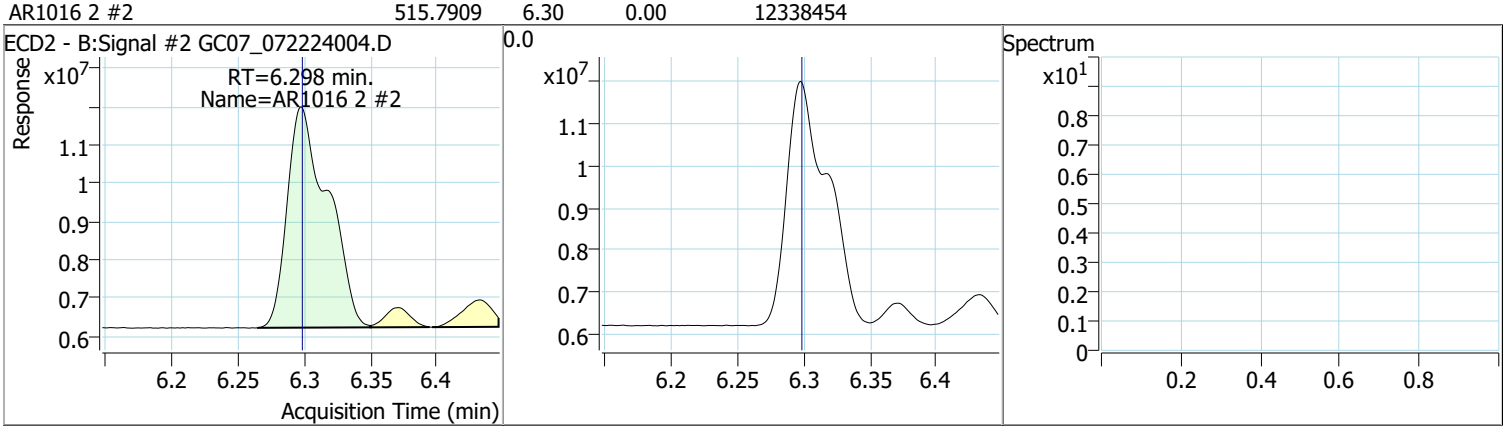
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	491.2974	5.87	0.00	5688361				



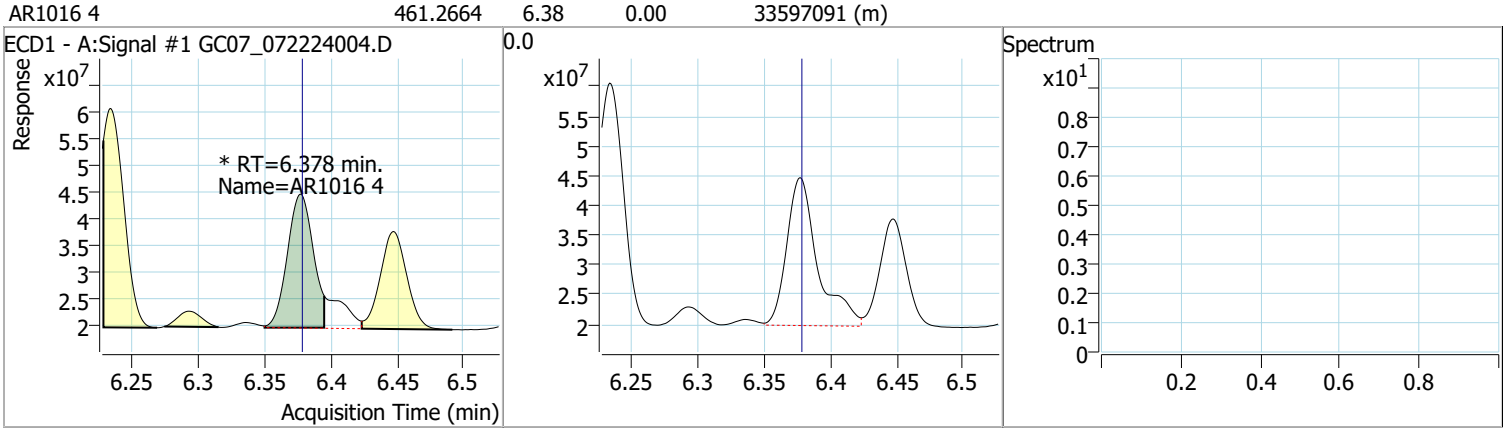
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	540.1286	6.23	0.00	55758829				



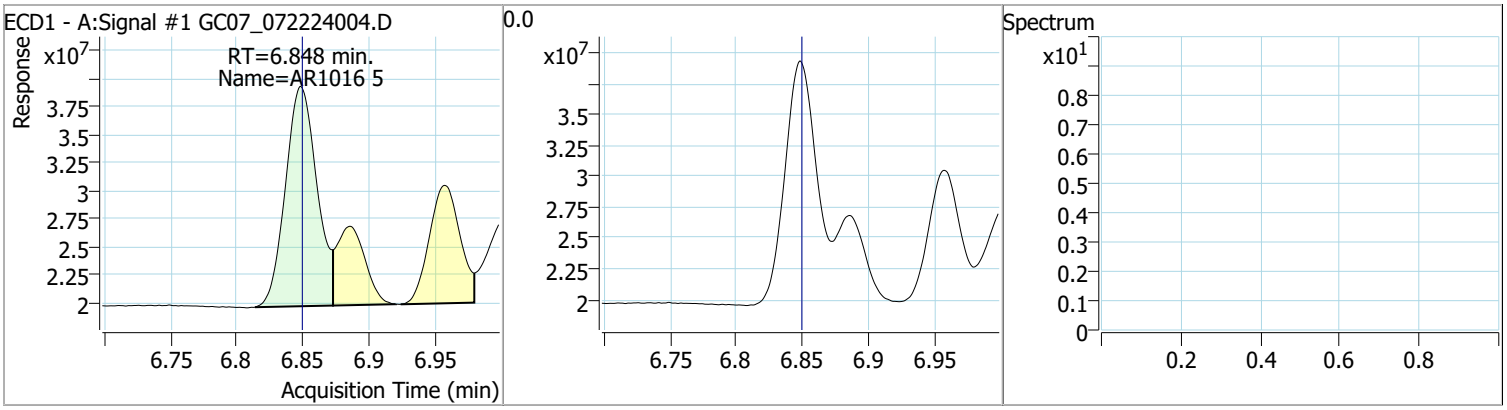
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	515.7909	6.30	0.00	12338454				



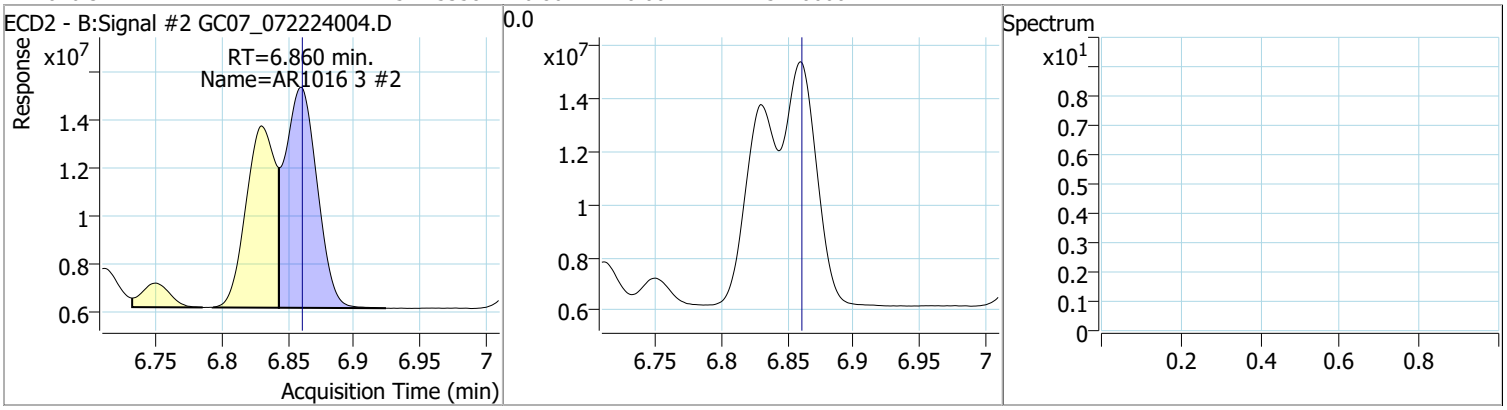
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	461.2664	6.38	0.00	33597091 (m)				



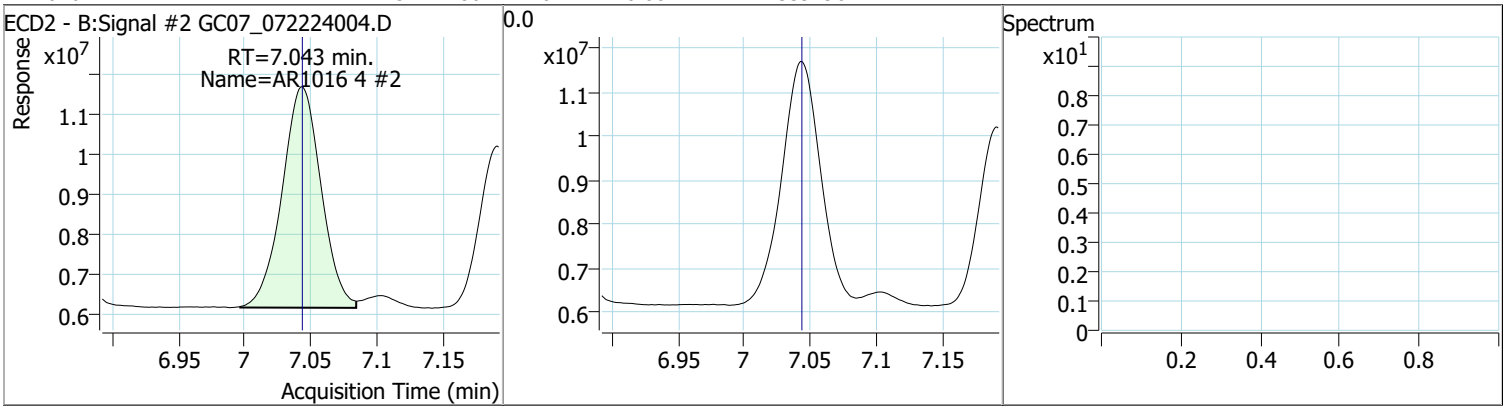
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	507.3310	6.85	0.00	32481265				



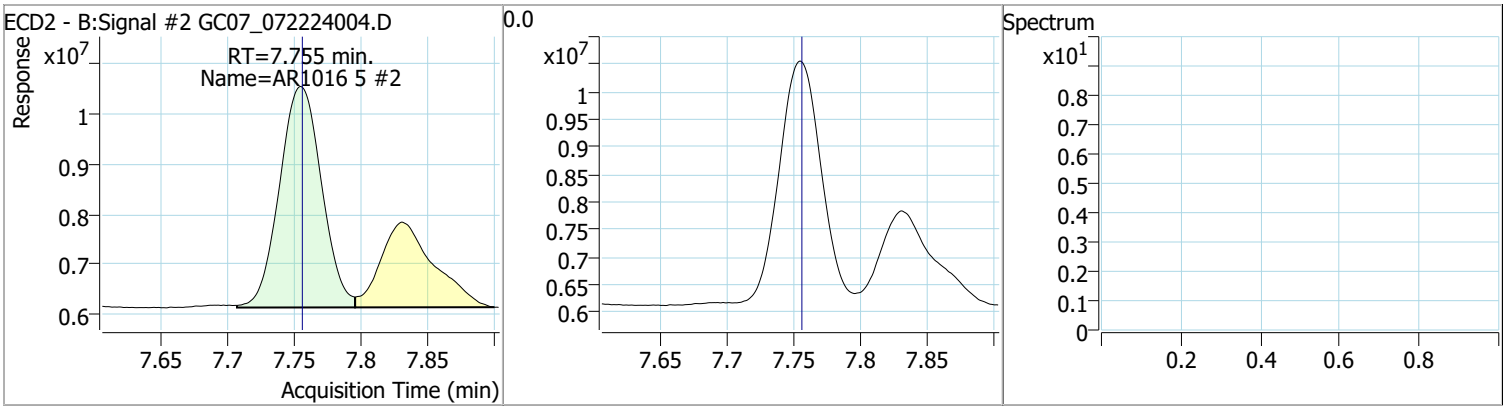
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	517.5358	6.86	0.00	15440600				



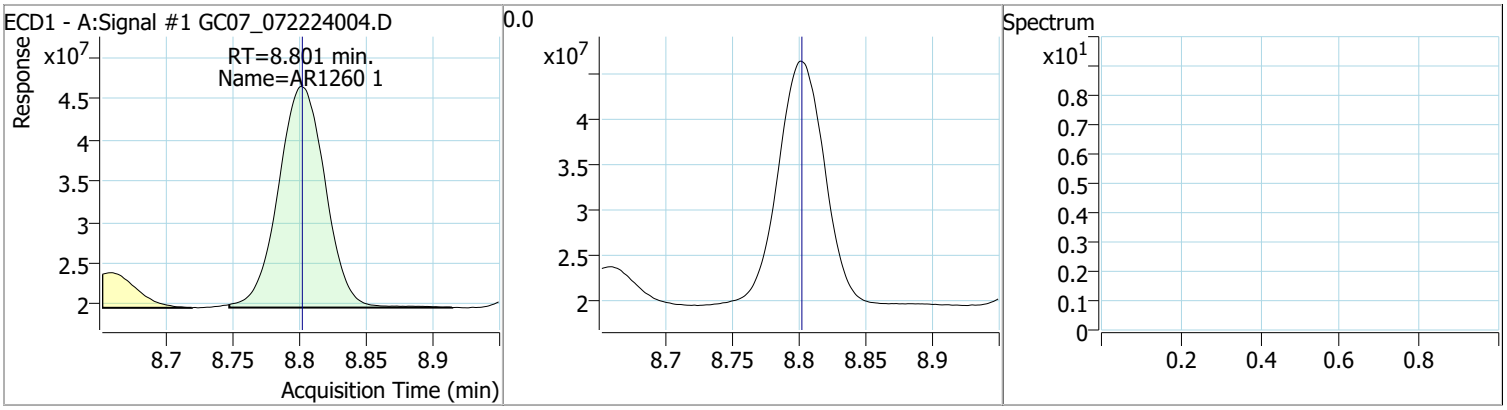
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	514.1480	7.04	0.00	11339496				



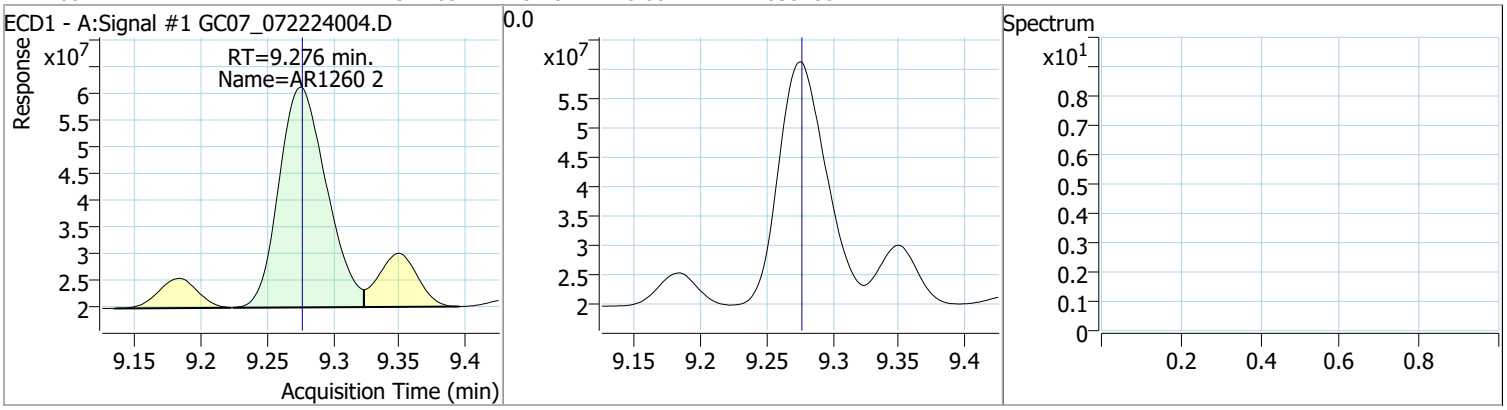
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	549.2287	7.76	0.00	9796965				



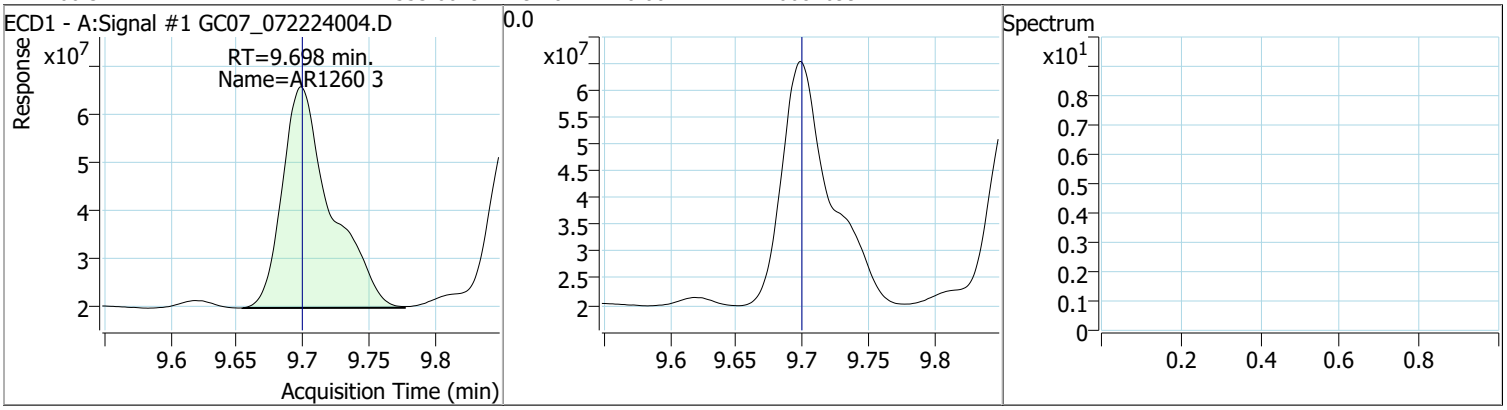
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	519.2055	8.80	0.00	66669210				



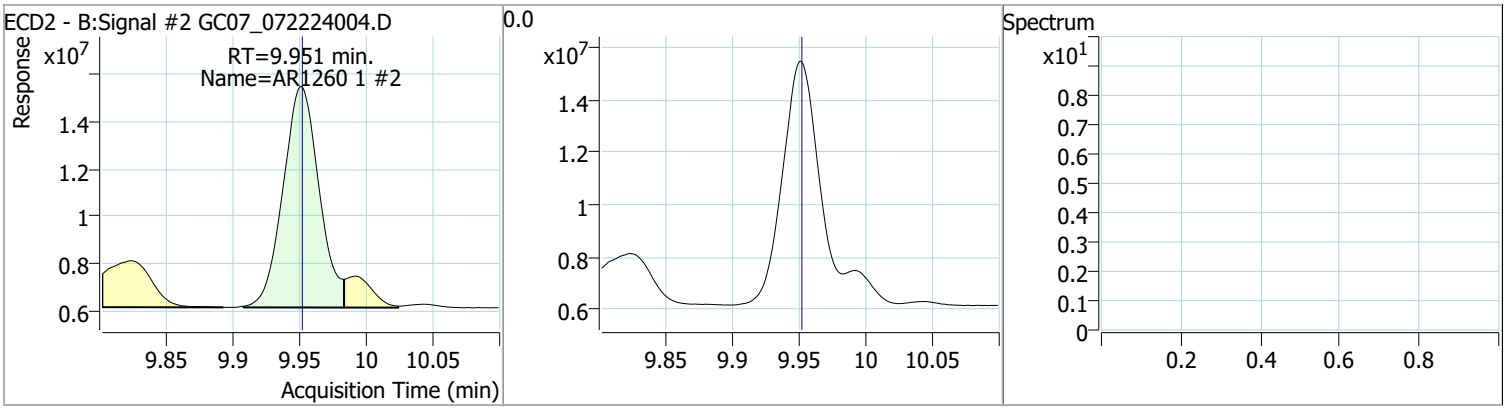
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	527.8524	9.28	0.00	103518872				



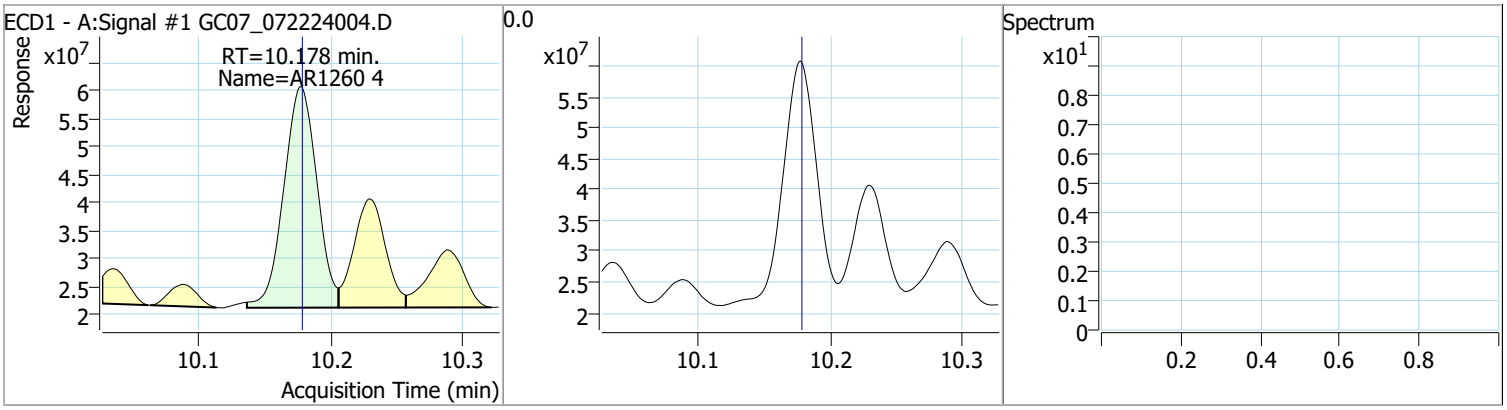
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	553.0019	9.70	0.00	116687699				



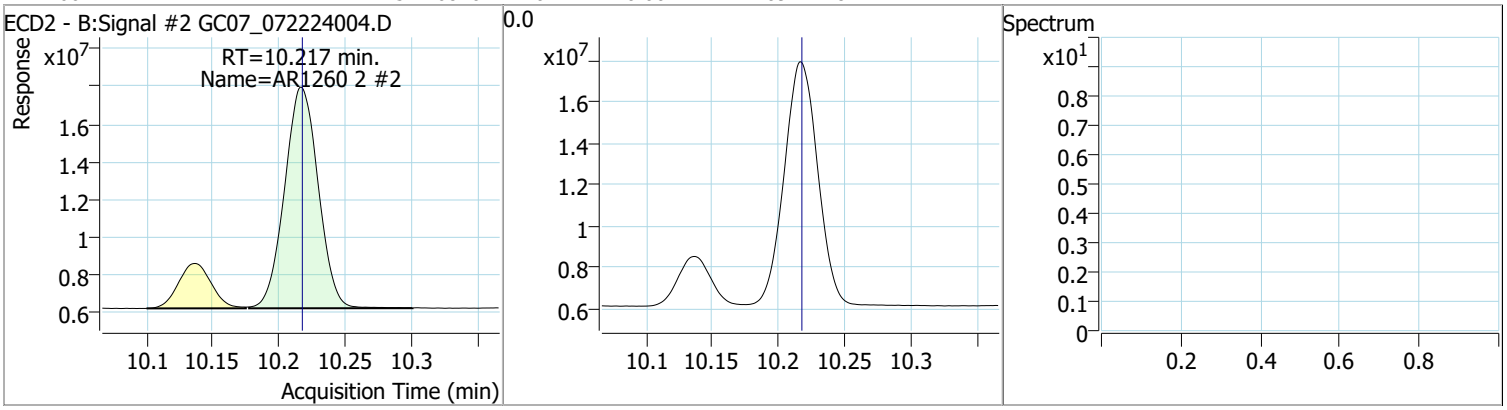
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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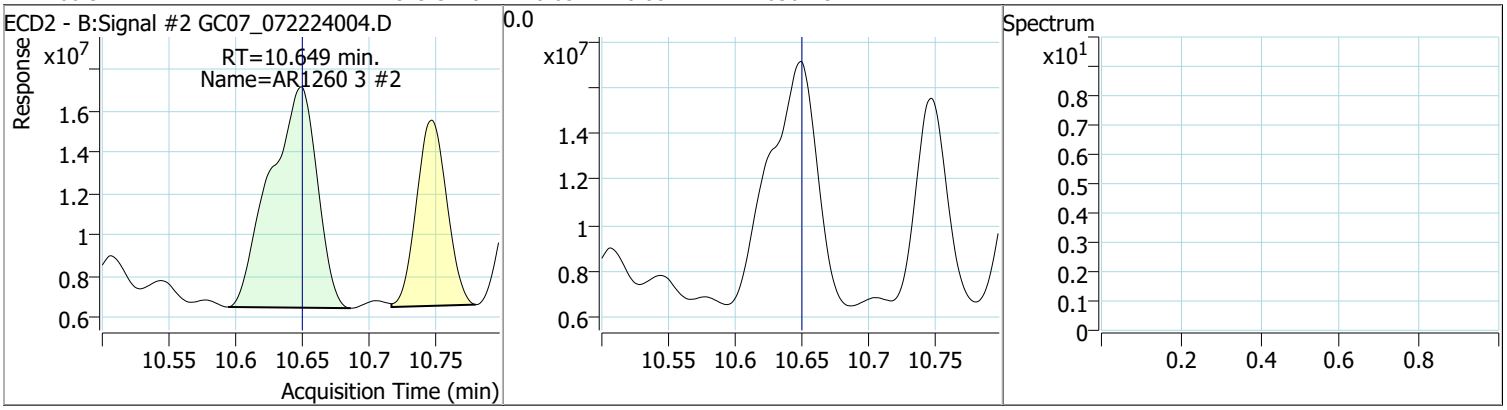
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	564.0583	10.18	0.00	68809981				



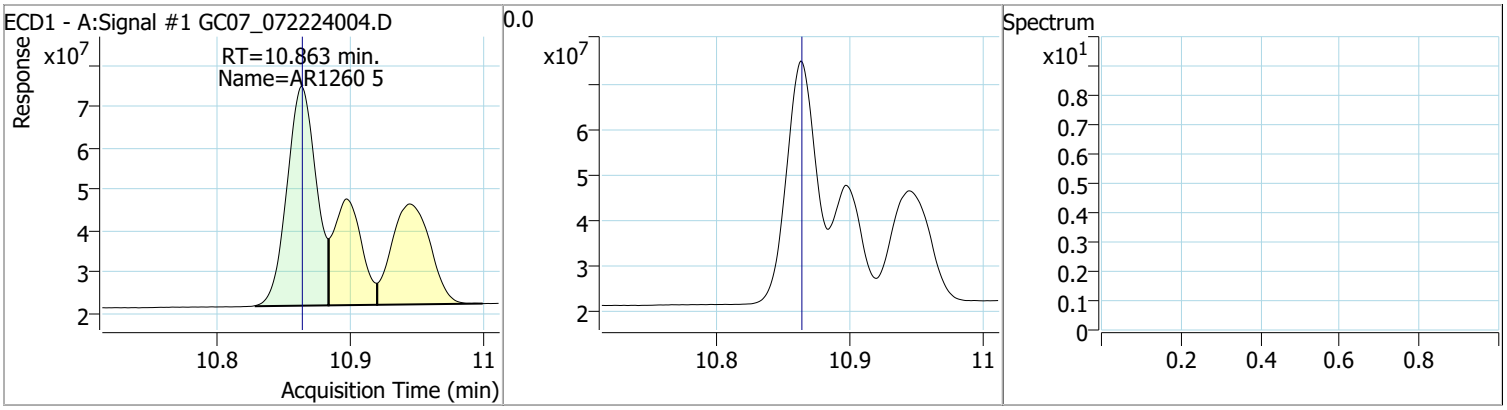
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	524.6840	10.22	0.00	20911228				



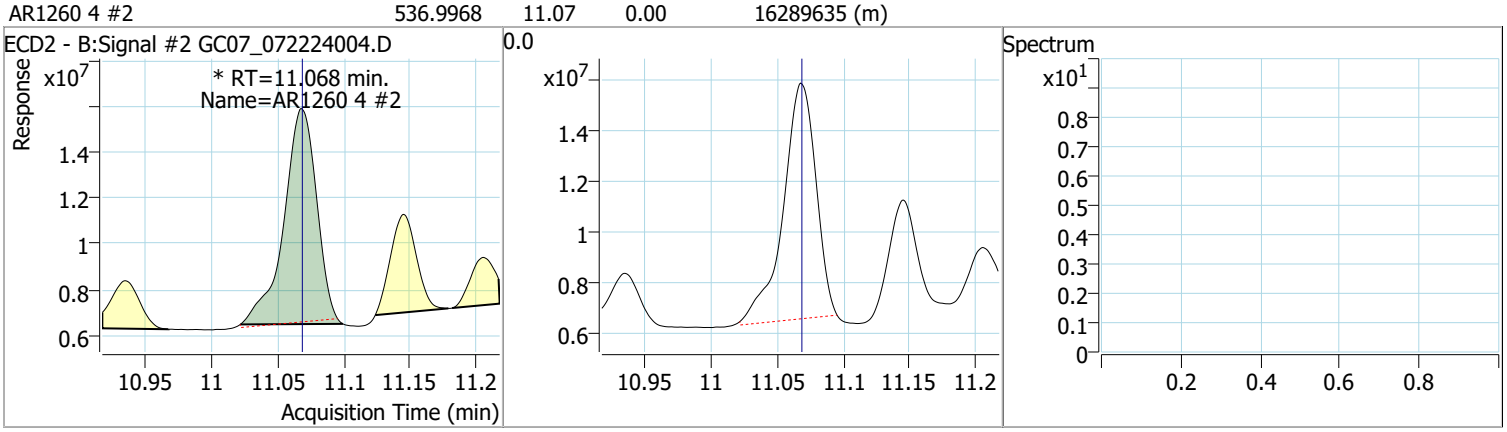
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	549.5248	10.65	0.00	26362497				



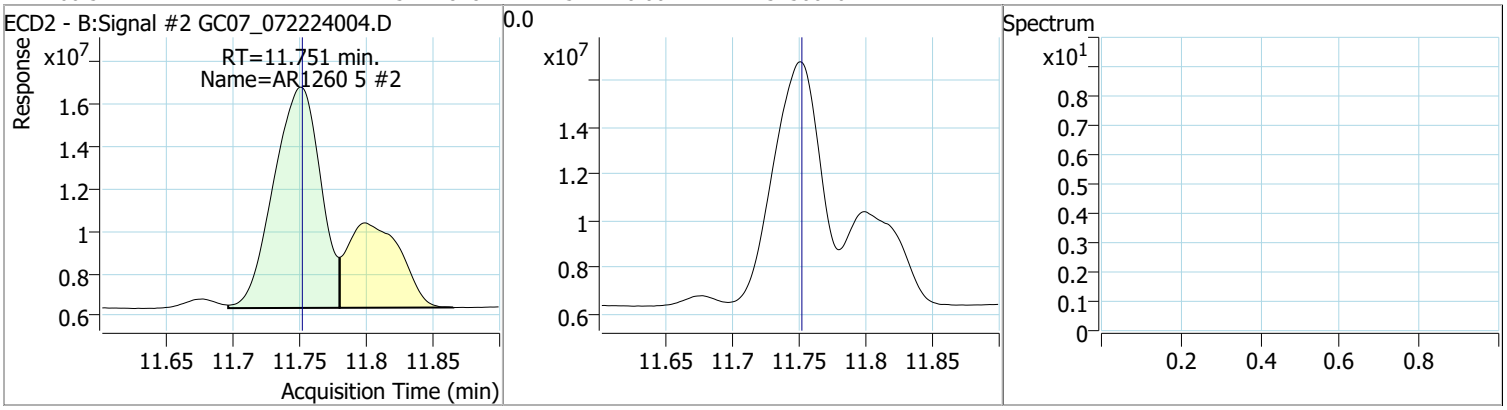
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	555.5481	10.86	0.00	81154157				



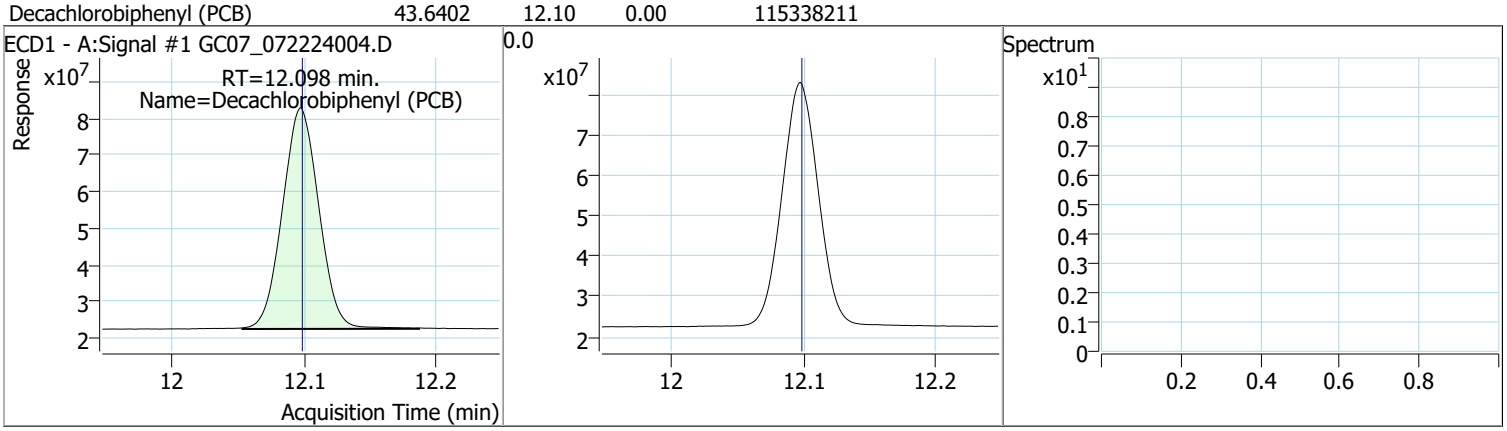
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	536.9968	11.07	0.00	16289635 (m)				



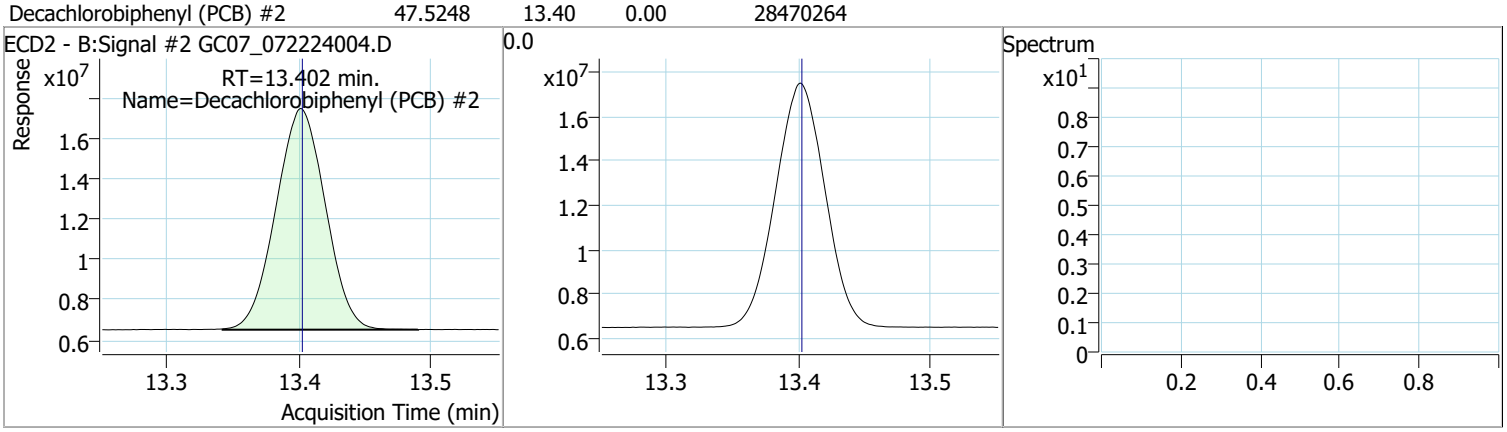
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	571.7878	11.75	0.00	25750016				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.6402	12.10	0.00	115338211				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.5248	13.40	0.00	28470264				



ENTHALPY CONTINUING CALIBRATION FOR 512356 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464294361033	File:	gc07_072224033	Time:	22-JUL-2024 19:05
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	518.5	ug/L	4	15	0.0000	
Aroclor-1260	A			500.0	561.8	ug/L	12	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.0874	40.00	39.44	pg/uL	-1	15	0.0000	
TCMX (PCB)	A	0.9369	0.8812	40.00	37.62	pg/uL	-6	15	0.0000	
Aroclor-1016	B			500.0	547.4	ug/L	9	15	0.0000	
Aroclor-1260	B			500.0	554.2	ug/L	11	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.2876	40.00	47.14	pg/uL	**18**	15	0.0000	c+
TCMX (PCB)	B	0.9593	0.9853	40.00	41.08	pg/uL	3	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	11046426	37.38
1-bromo-2-nitrobenzene (PCB)	A	28707643	49318701	71.80

07/23/24 : 500 PPB PCB CCV

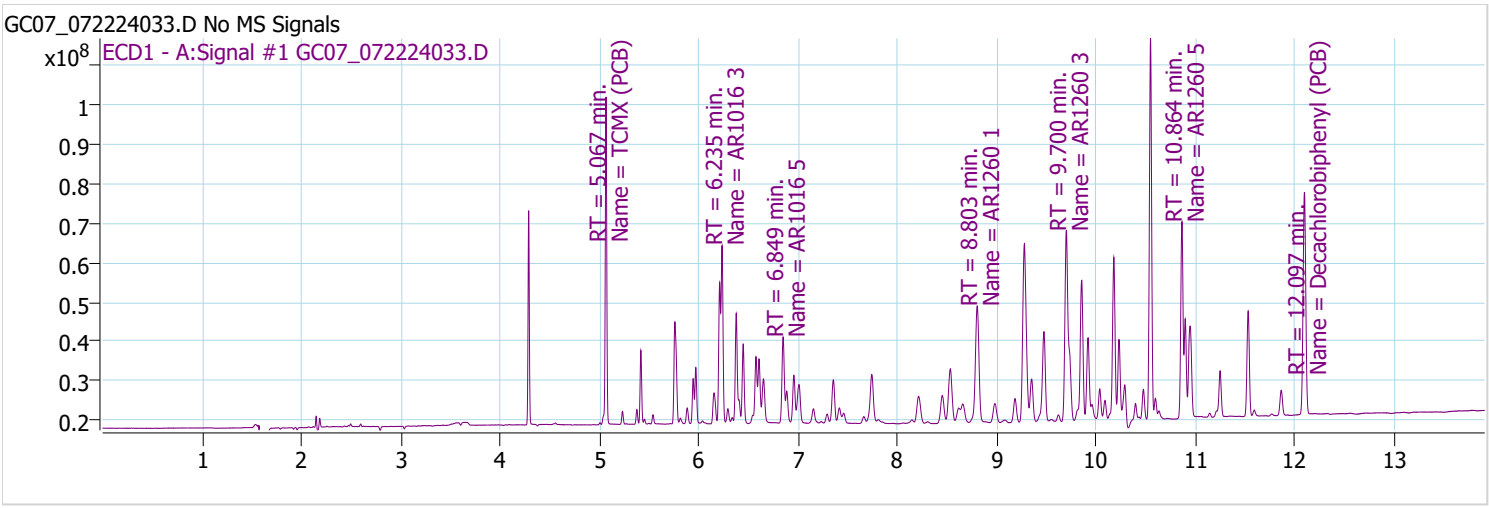
MES 07/23/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

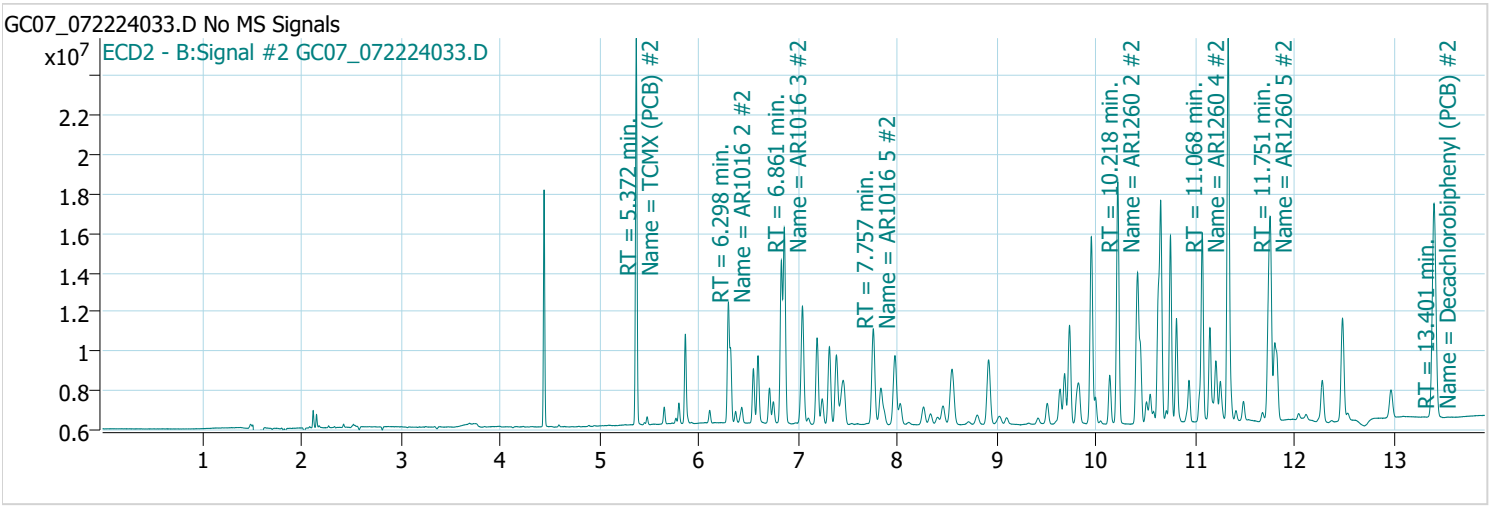
+=high bias c=CCV

Analyst: MES 07/23/24 **Reviewer:** MTS 07/24/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224033.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 7:05:29 PM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



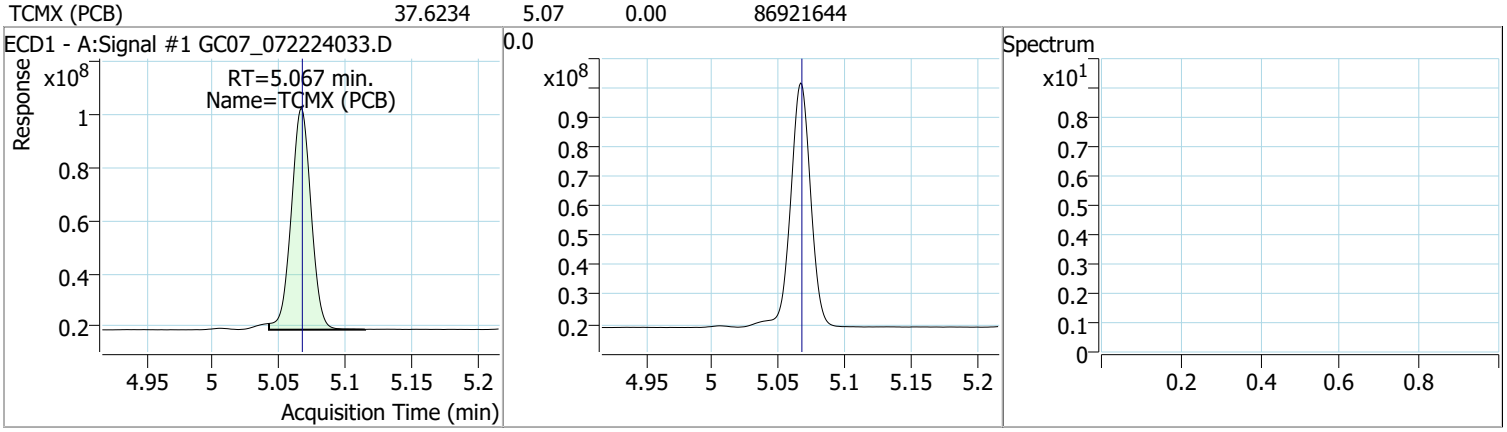


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	49318701.257	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	11046425.786	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.067	0.0	86921644.304	37.6234	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.12%		*	
S TCMX (PCB) #2	5.372	0.0	21767486.373	41.0830	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.42%		*	
S Decachlorobiphenyl (PCB)	12.097	0.0	107256386.265	39.4448	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.22%		*	
S Decachlorobiphenyl (PCB) #2	13.401	0.0	28447721.621	47.1405	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.70%		*	
Target Compounds							QValue

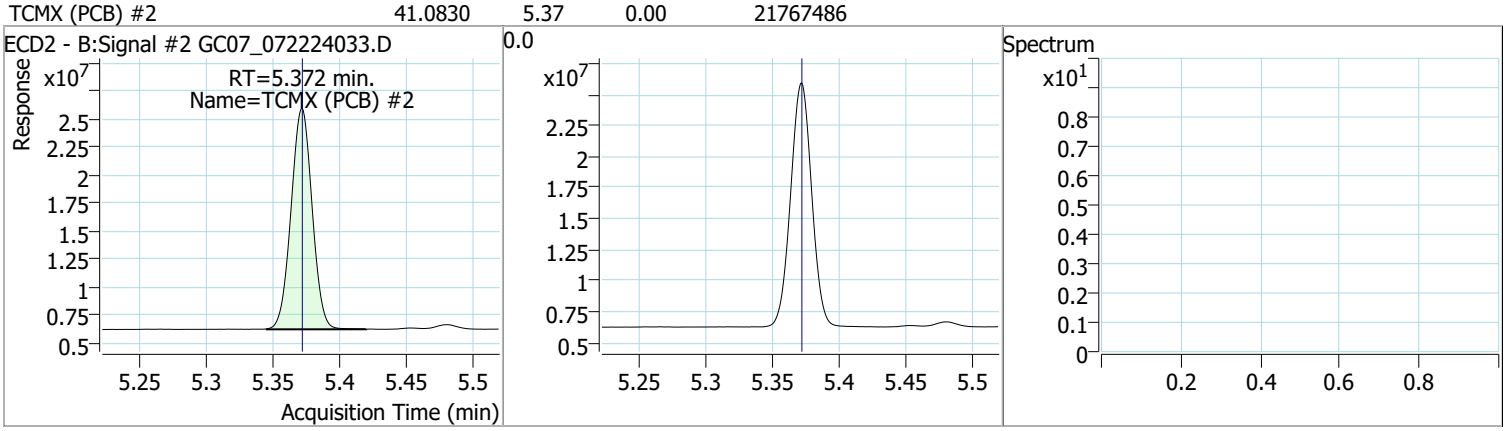
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.418	0.0	20630956.656	478.5739	ng/ml		100
T AR1016 2	5.760	0.0	44322101.098	494.9107	ng/ml		100
T AR1016 1 #2	5.866	0.0	5922443.198	507.7797	ng/ml		100
T AR1016 3	6.235	0.0	60419709.397	569.1594	ng/ml		100
T AR1016 2 #2	6.298	0.0	13013568.500	540.0406	ng/ml		100
T AR1016 4	6.378	0.0	38111296.834	508.5775	ng/ml	m	100
T AR1016 5	6.849	0.0	35651884.006	541.2454	ng/ml		100
T AR1016 3 #2	6.861	0.0	16435338.439	546.8547	ng/ml		100
T AR1016 4 #2	7.044	0.0	12199684.293	549.1109	ng/ml		100
T AR1016 5 #2	7.757	0.0	10659263.406	593.2066	ng/ml		100
T AR1260 1	8.803	0.0	75006126.934	567.7590	ng/ml		100
T AR1260 2	9.278	0.0	111657967.917	553.3960	ng/ml		100
T AR1260 3	9.700	0.0	124829292.625	575.0046	ng/ml		100
T AR1260 1 #2	9.952	0.0	18170514.646	568.5705	ng/ml		100
T AR1260 4	10.178	0.0	73450577.040	585.2226	ng/ml		100
T AR1260 2 #2	10.218	0.0	21631388.980	538.7903	ng/ml		100
T AR1260 3 #2	10.649	0.0	26941692.875	557.4972	ng/ml		100
T AR1260 5	10.864	0.0	79273259.289	527.4616	ng/ml		100
T AR1260 4 #2	11.068	0.0	16572356.890	542.3276	ng/ml		100
T AR1260 5 #2	11.751	0.0	25586876.216	564.0164	ng/ml		100

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

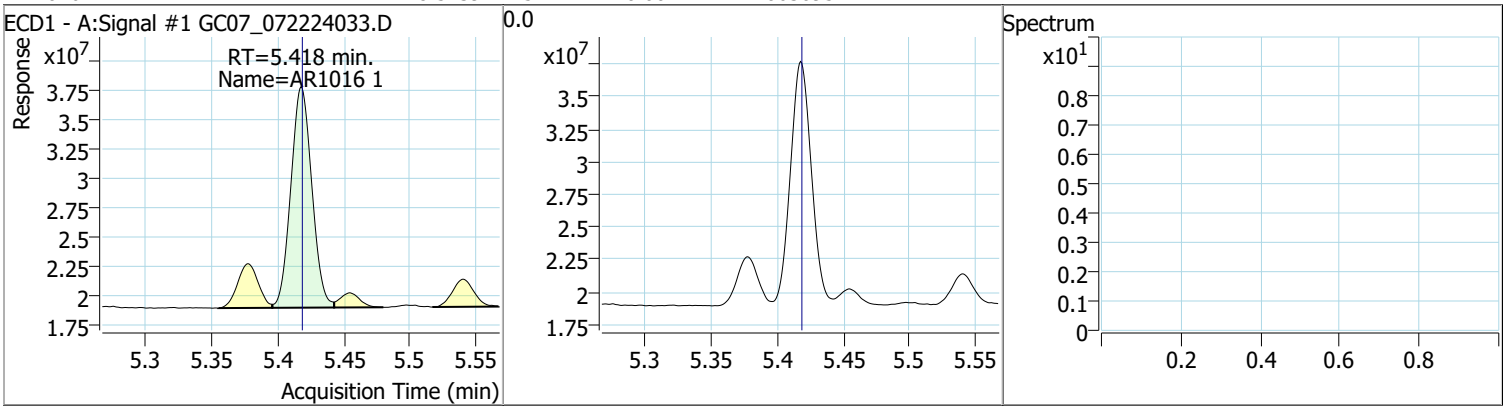
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.6234	5.07	0.00	86921644				



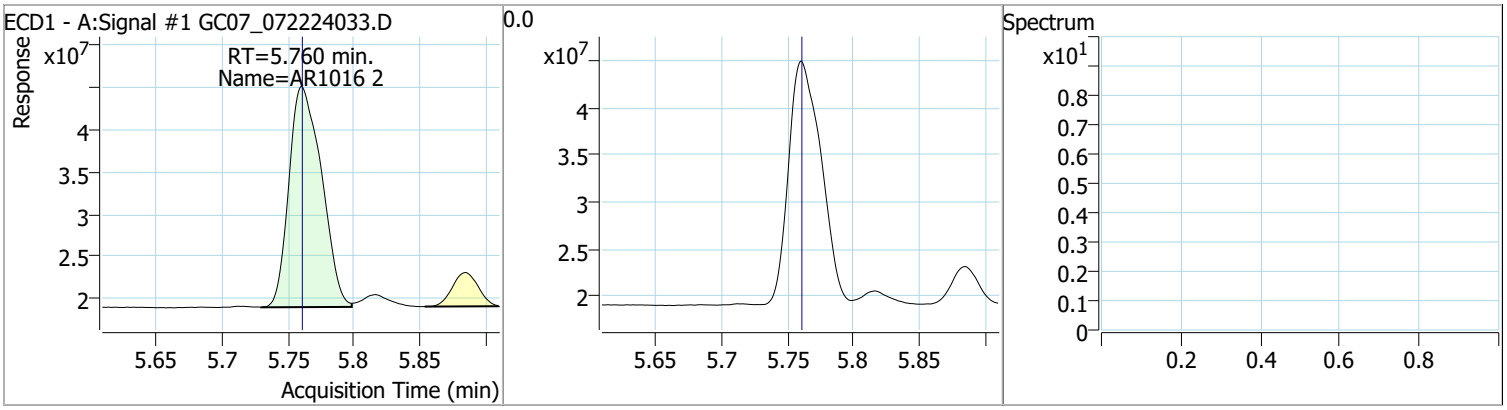
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.0830	5.37	0.00	21767486				



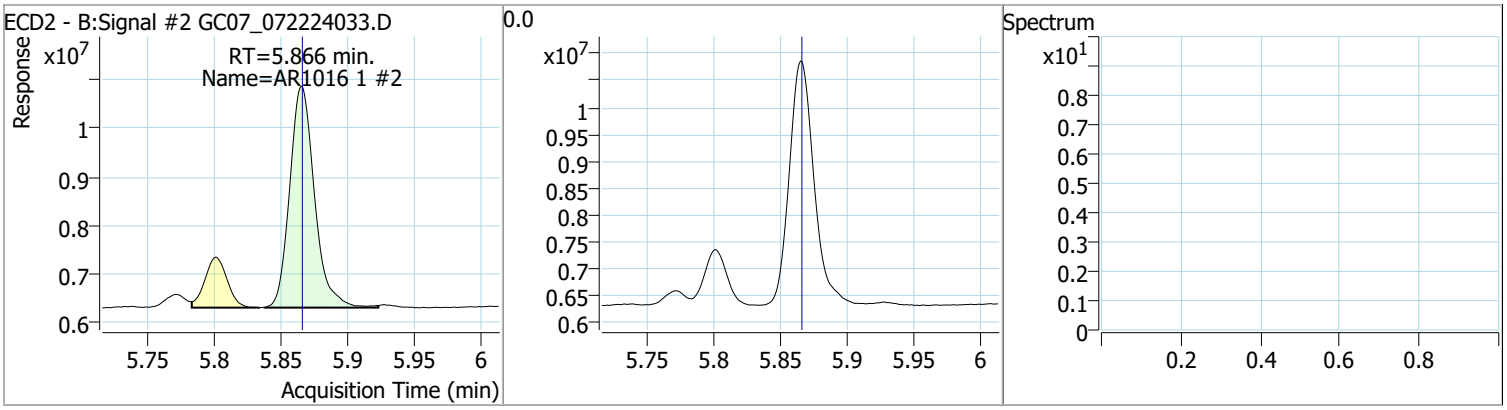
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	478.5739	5.42	0.00	20630957				



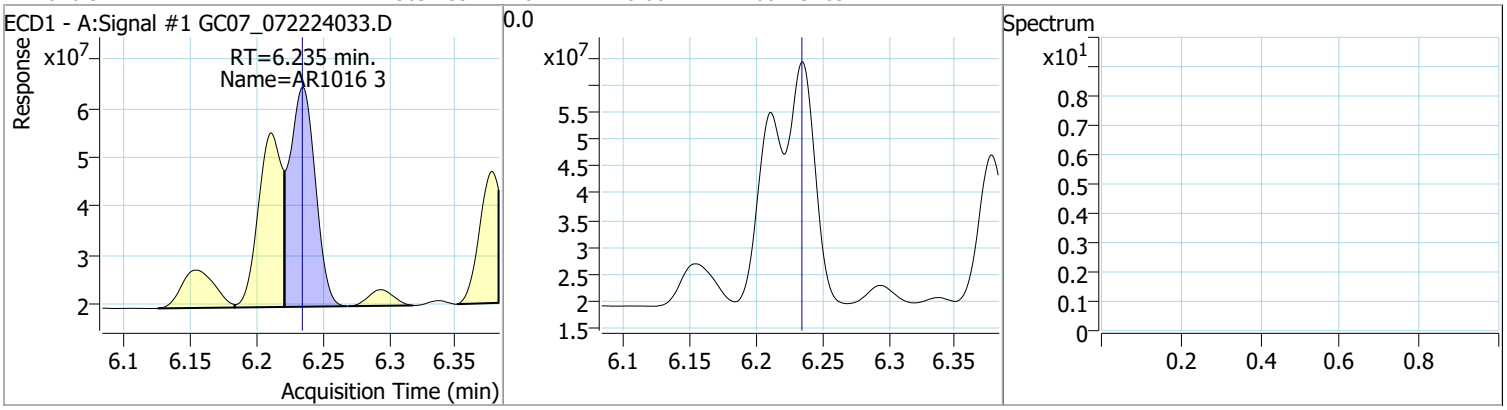
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	494.9107	5.76	0.00	44322101				



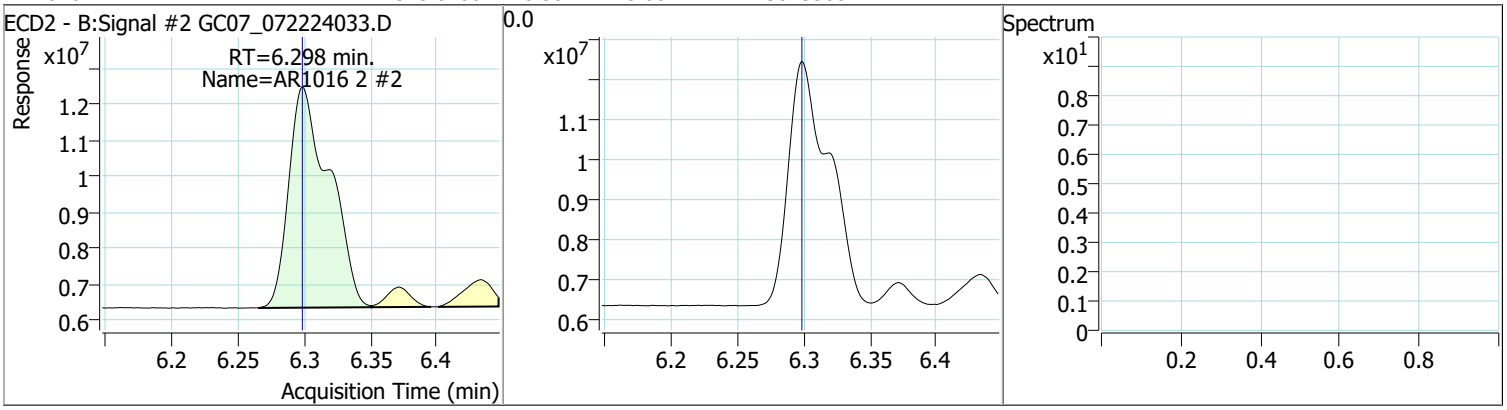
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	507.7797	5.87	0.00	5922443				



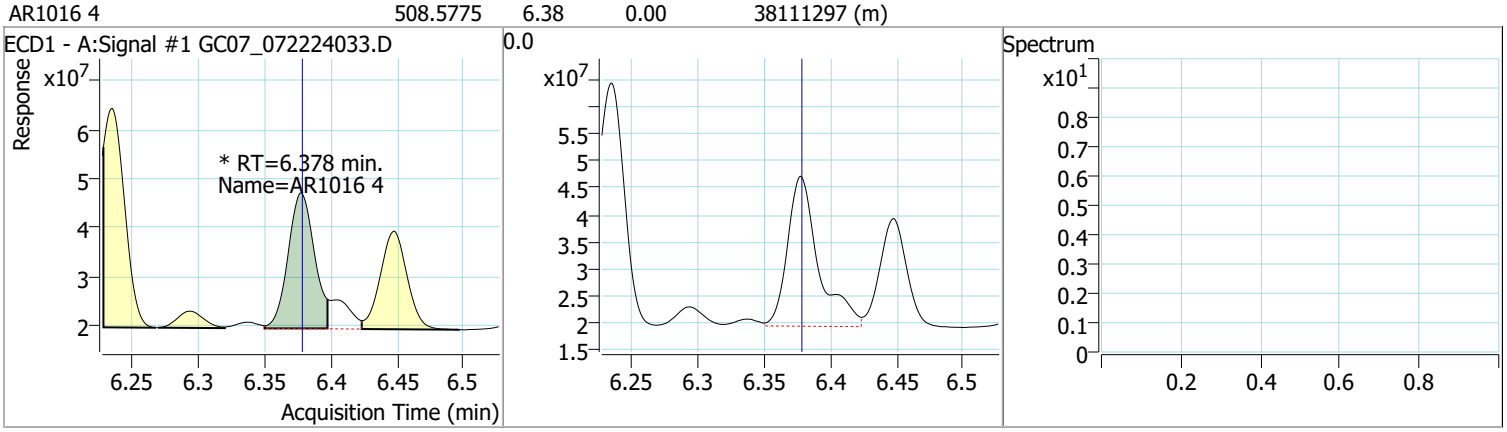
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	569.1594	6.24	0.00	60419709				



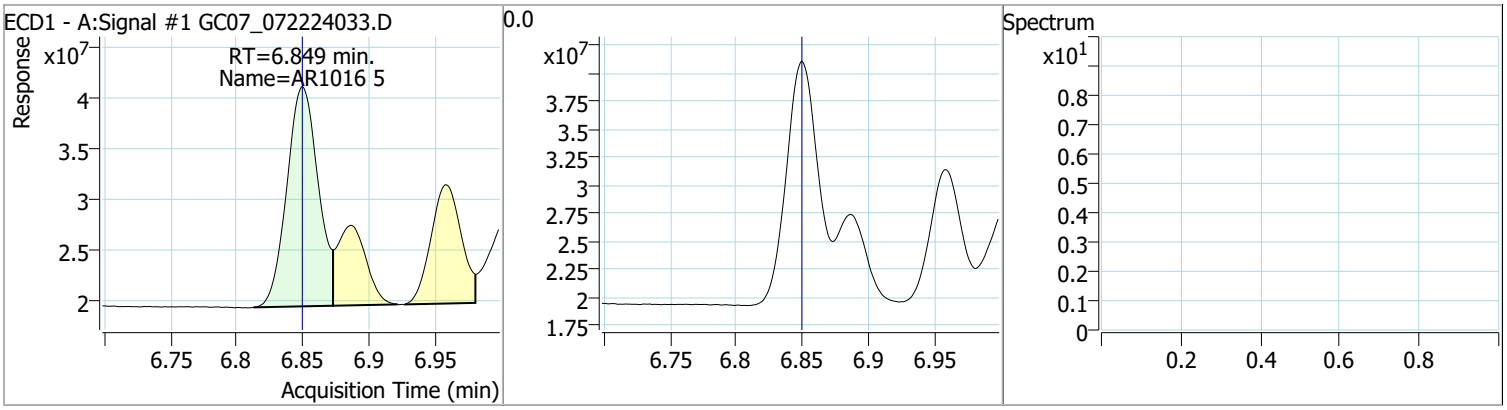
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	540.0406	6.30	0.00	13013568				



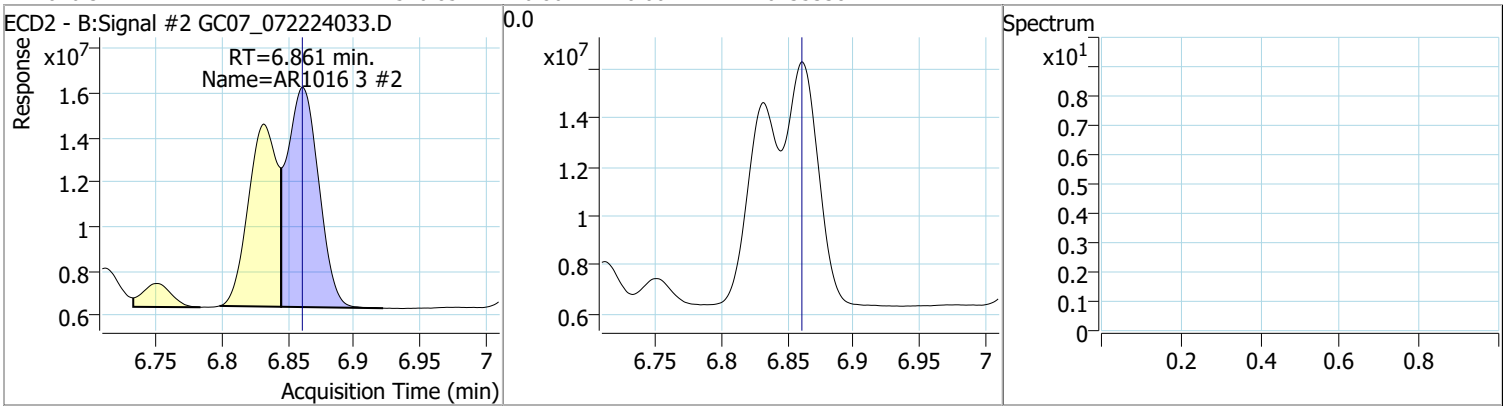
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	508.5775	6.38	0.00	38111297 (m)				



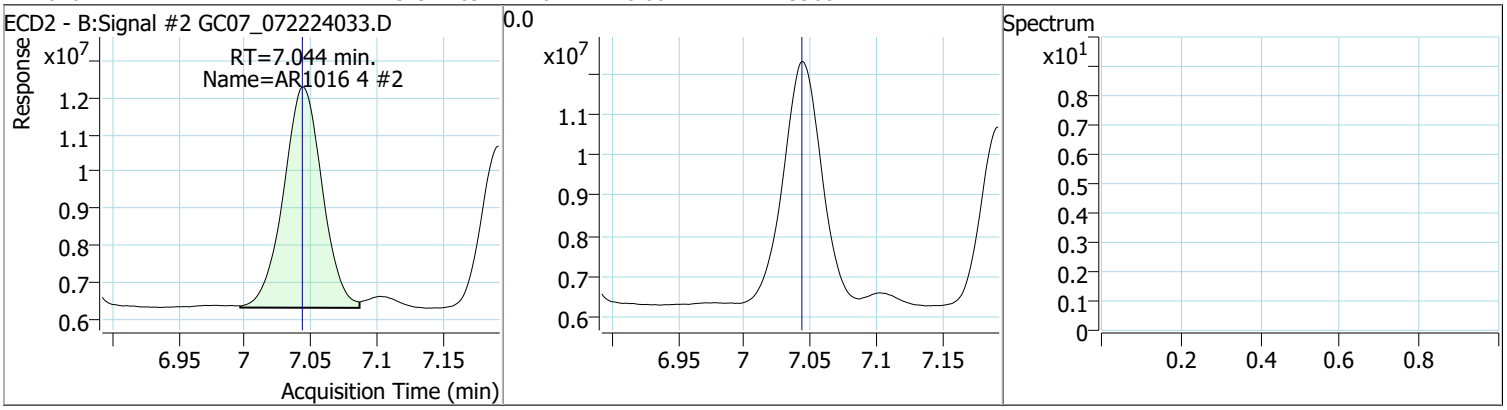
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	541.2454	6.85	0.00	35651884				



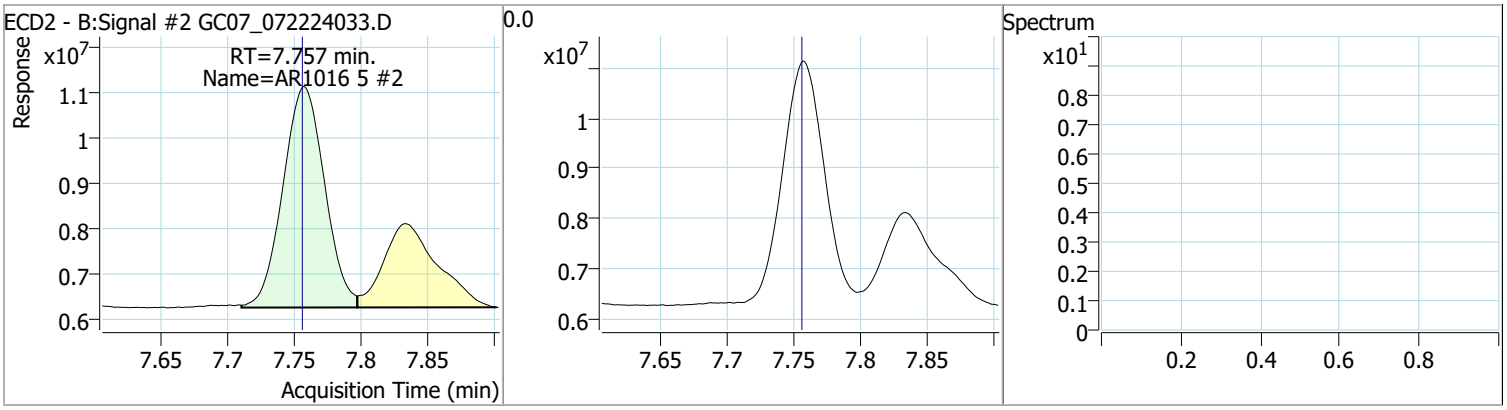
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AR1016 3 #2	546.8547	6.86	0.00	16435338				



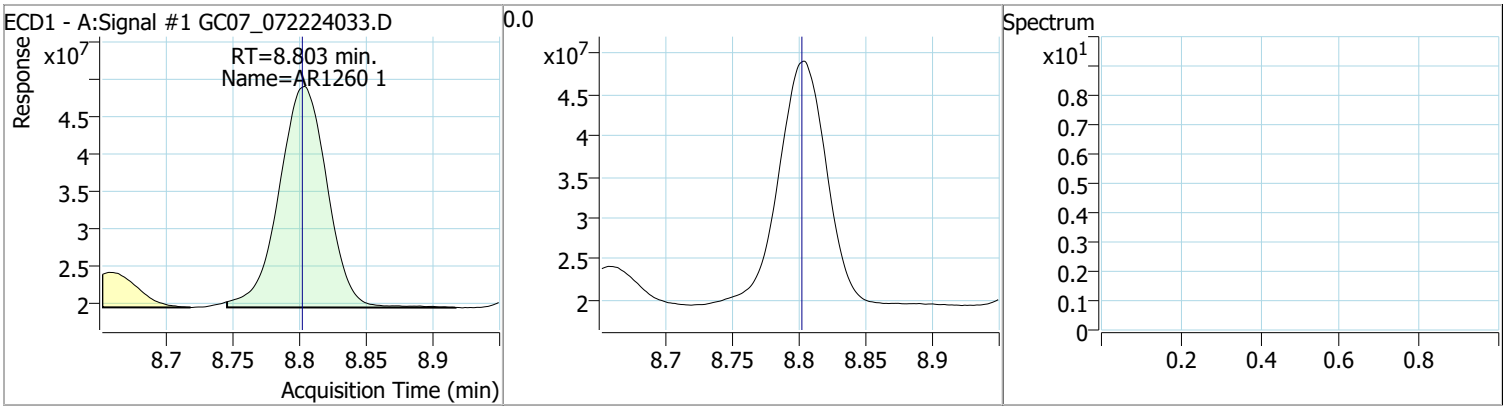
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	549.1109	7.04	0.00	12199684				



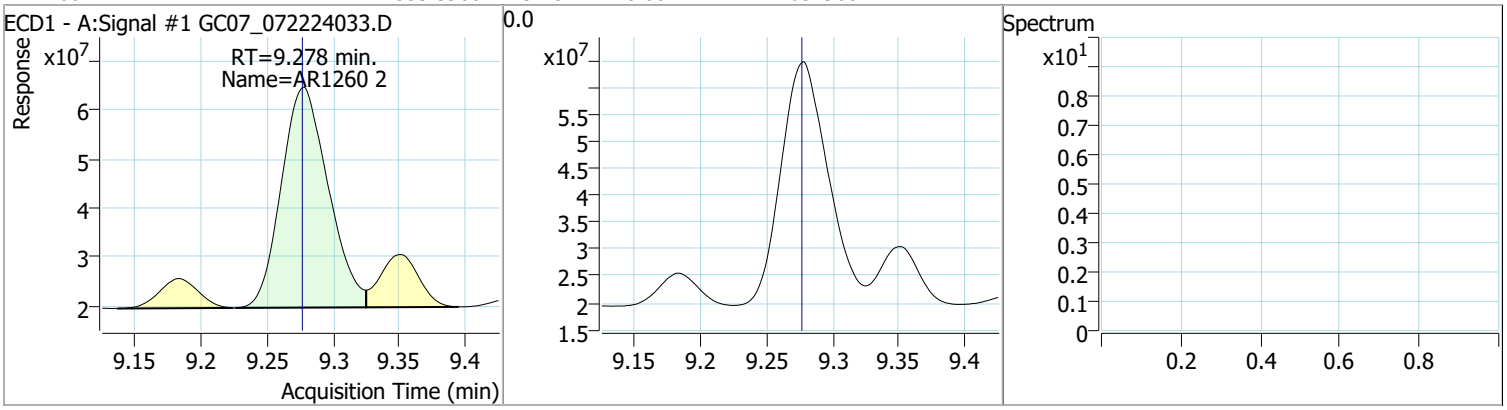
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	593.2066	7.76	0.00	10659263				



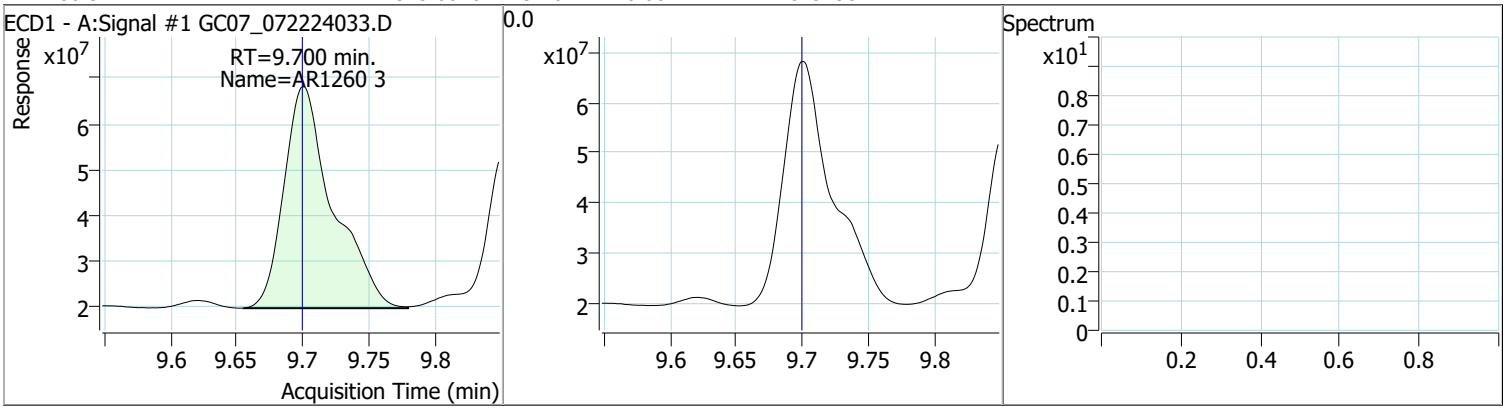
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	567.7590	8.80	0.00	75006127				



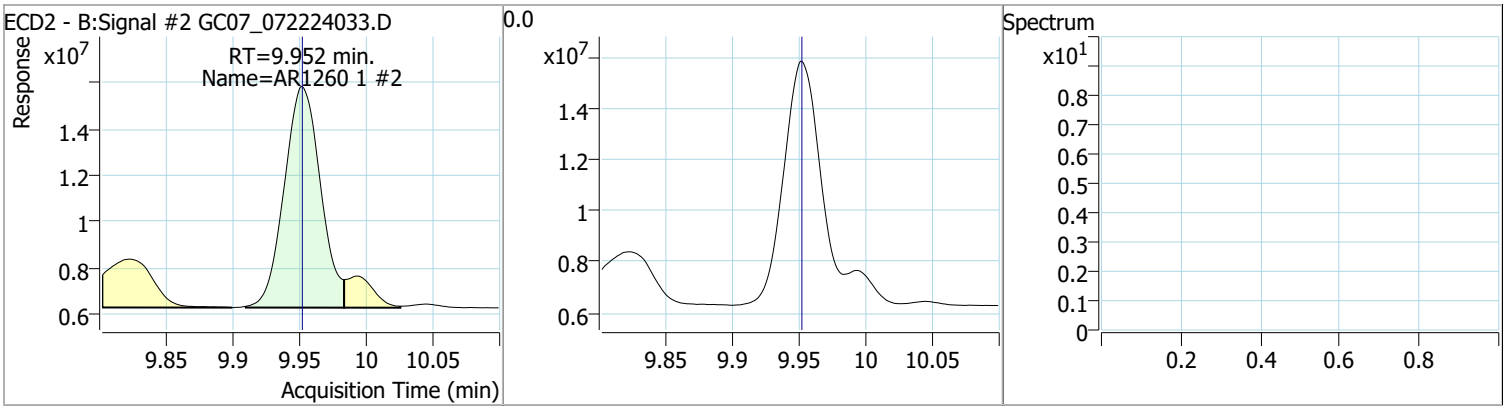
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	553.3960	9.28	0.00	111657968				



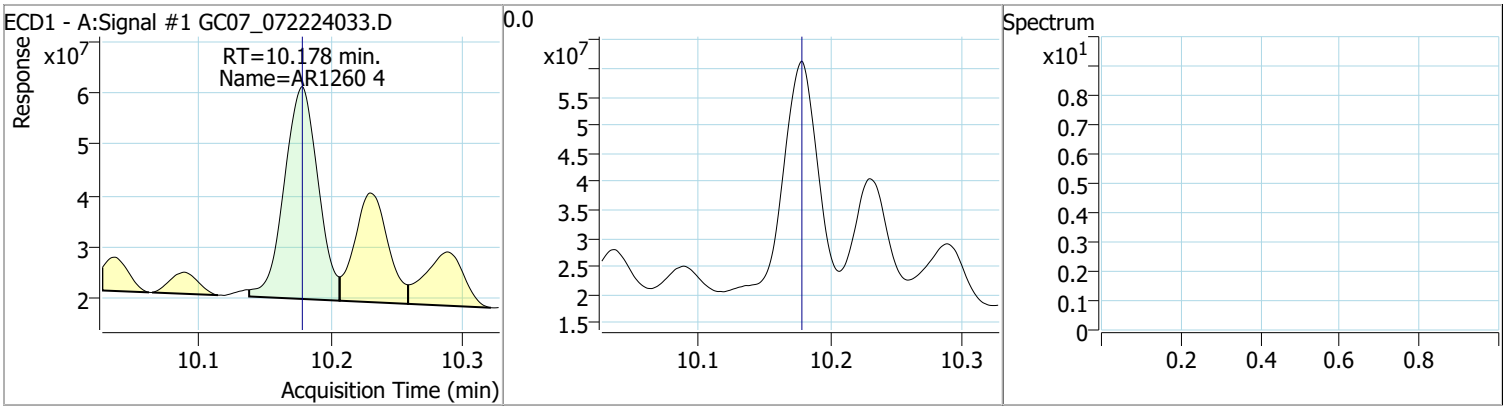
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	575.0046	9.70	0.00	124829293				



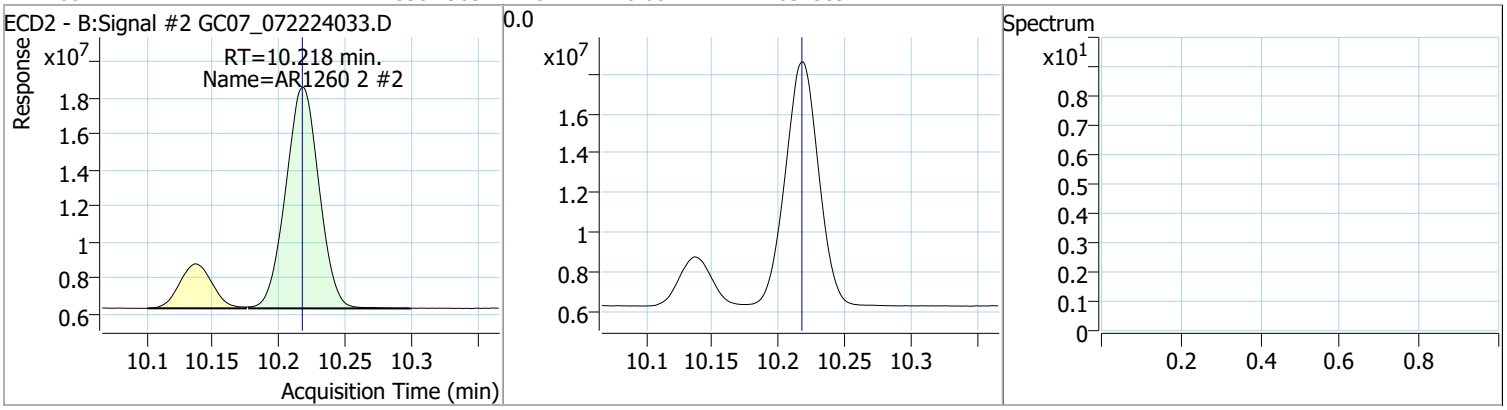
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	568.5705	9.95	0.00	18170515				



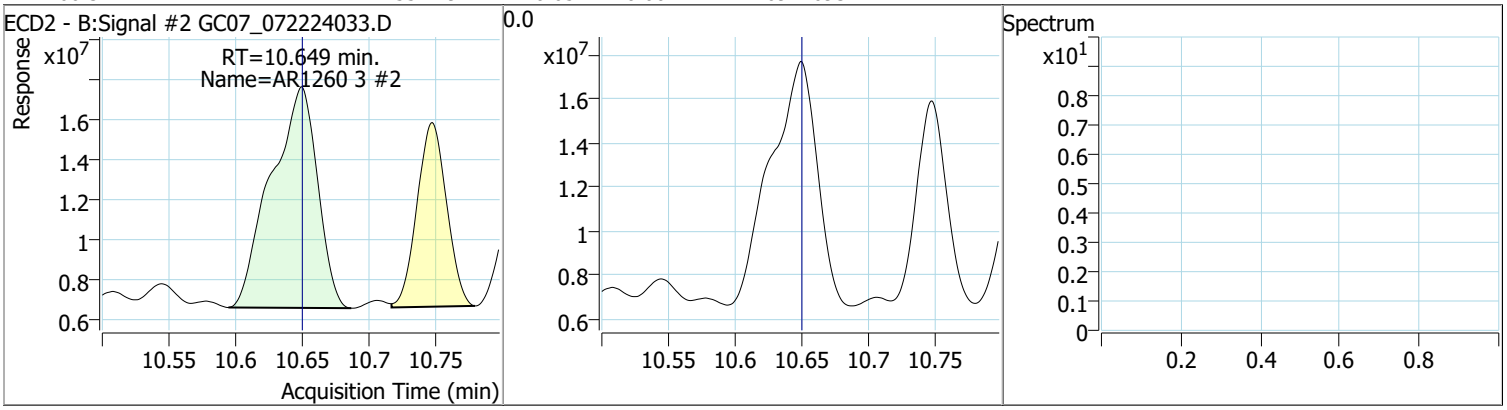
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	585.2226	10.18	0.00	73450577				



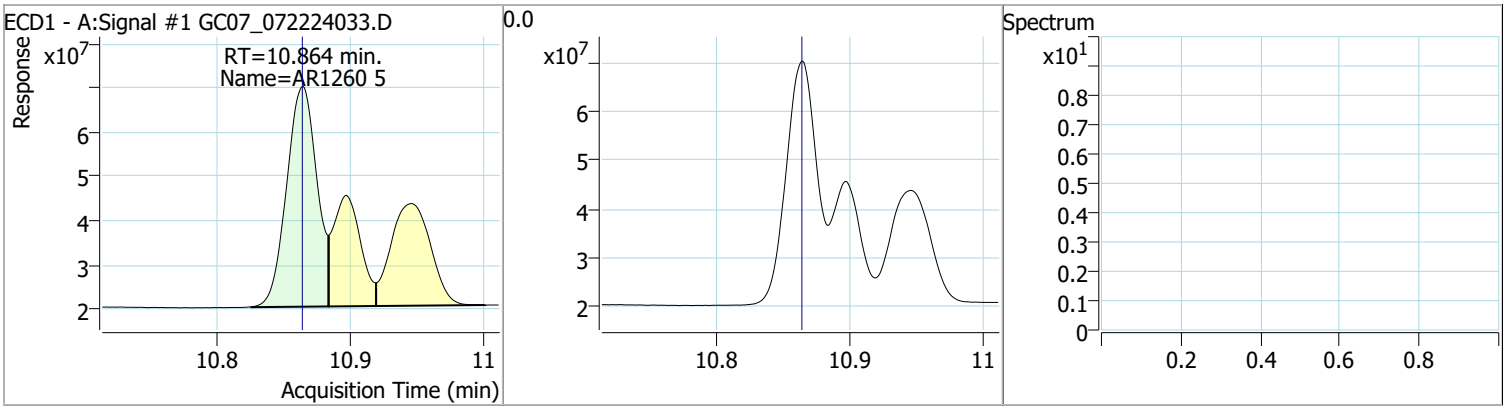
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	538.7903	10.22	0.00	21631389				



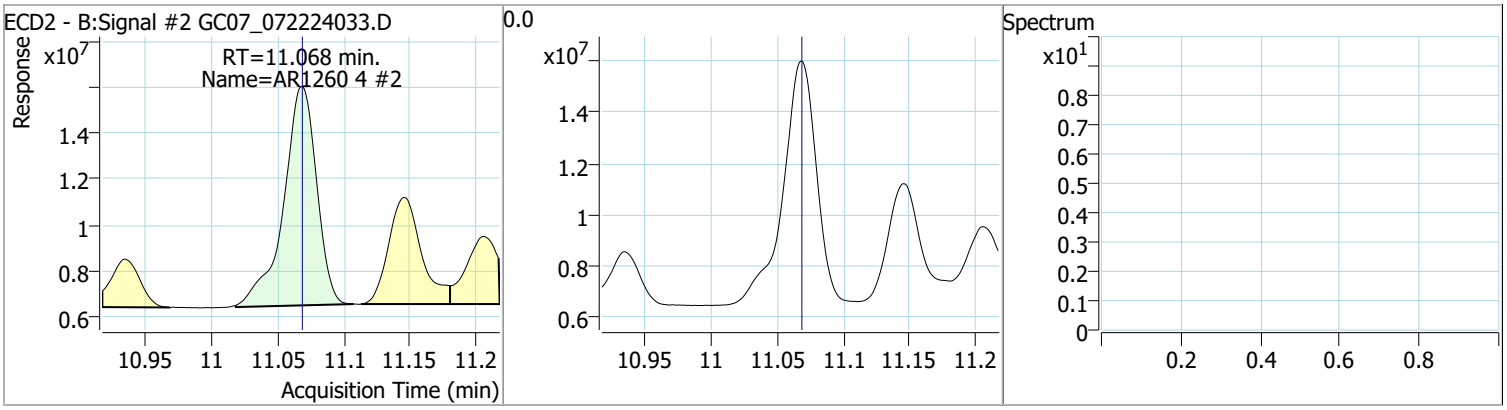
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	557.4972	10.65	0.00	26941693				



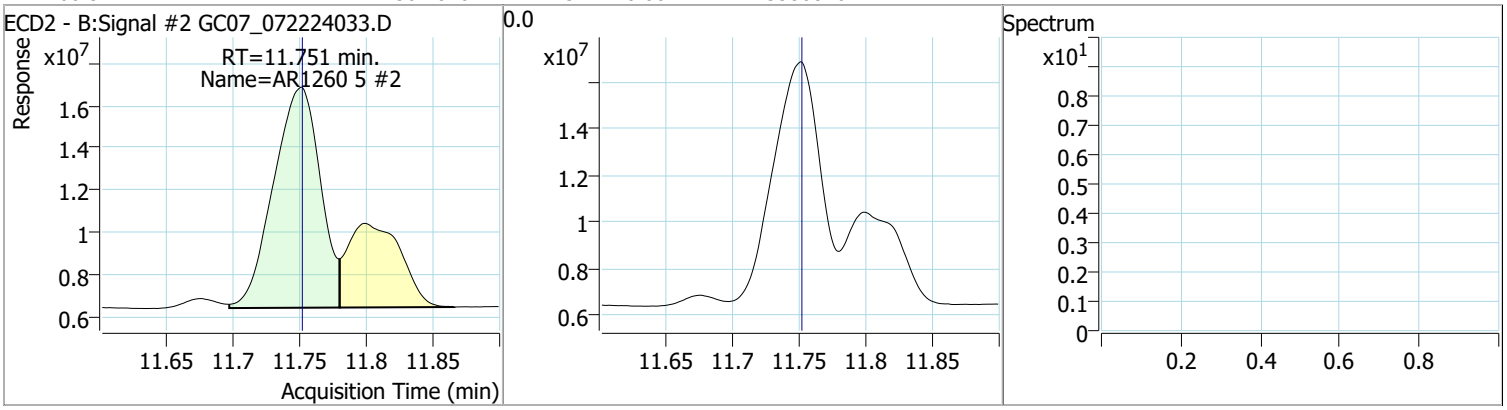
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	527.4616	10.86	0.00	79273259				



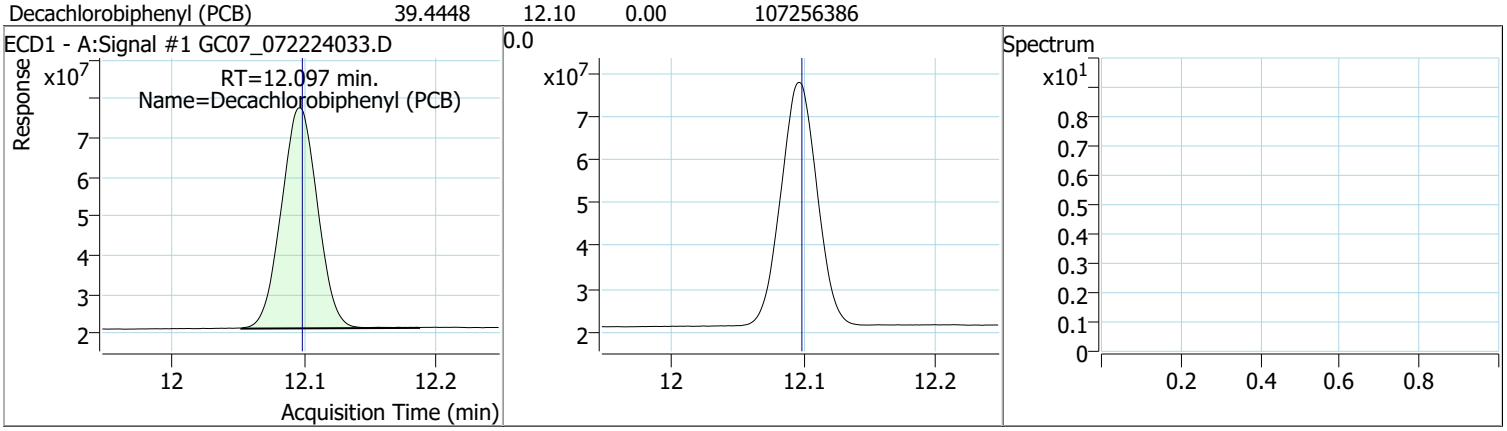
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	542.3276	11.07	0.00	16572357				



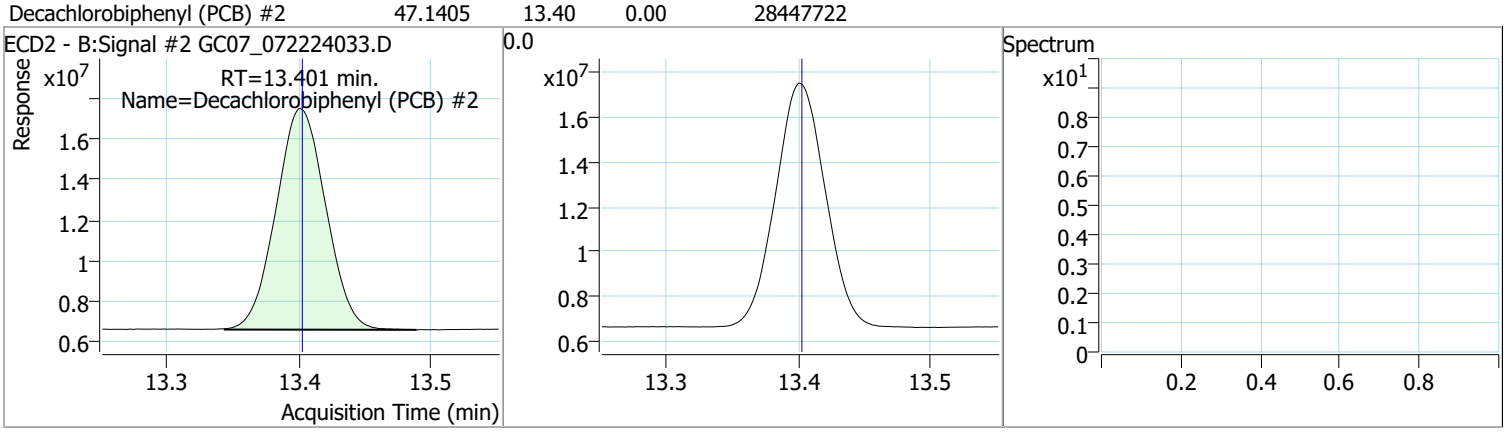
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	564.0164	11.75	0.00	25586876				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.4448	12.10	0.00	107256386				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.1405	13.40	0.00	28447722				



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

enthalpy.com

Lab Job Number : 512356
Report Level : IV
Report Date : 07/26/2024

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 #:	512356
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/18/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	512356-002	07/18/24 09:30	Wipe
DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	512356-003	07/18/24 09:30	Wipe
DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	512356-005	07/18/24 09:20	Wipe
DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA	512356-007	07/18/24 09:10	Wipe
DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	512356-010	07/18/24 09:00	Wipe
DOOR-S-15.6GW-PS-17-240718-L-LA	512356-012	07/18/24 09:50	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 512356 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/18/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 07/19/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

~~513~~ 512356

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: 4.0 (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:	Mikim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/60:08	HOLD	Test Instructions / Comments
1	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	7/18/2024	0930	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	7/18/2024	0930	WP	1	--		X		2xRivet 1= 0.0276 ft2
3	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	7/18/2024	0930	WP	1	--		X		2xRivet 1=0.0276ft2
4	DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	7/18/2024	0920	WP	1	--	X			
5	DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	7/18/2024	0920	WP	1	--		X		
6	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	7/18/2024	0910	WP	1	--	X			
7	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	7/18/2024	0910	WP	1	--		X		2xRivet 1= 0.0276ft2
8	DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	7/18/2024	0900	WP	1	--	X			
9	DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB	7/18/2024	0900	WP	1	--	X			
10	DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	7/18/2024	0900	WP	1	--		X		
11	DOOR-S-15.6GW-PS-17-240718-P-LA	7/18/2024	0950	WP	1	--	X			
12	DOOR-S-15.6GW-PS-17-240718-L-LA	7/18/2024	0950	WP	1	--		X		2xRivet 1= 0.0276ft2
13	240718-P-FIELDBLANK1-HO	7/18/2024	0940	WP	1	--	X			
14				--						
15										

Analysis Request

Test Instructions / Comments: 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 8 Enclosure C (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/18/24 1450
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/18/24 14:50
[2] Relinquished By:	Audrey Hudson	"	"	7/18/24 16:47
[2] Received By:		[illegible]	[illegible]	7/18/24 16:47
[3] Relinquished By:		[illegible]	[illegible]	7/18/24 17:46
[3] Received By:		[illegible]	EPA	~~7/18/24~~ 11:00 7/19/24

7/19/24

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: 7/18/24 Login # 512356 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 7/18/24 By (print) KM (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 7/18/24 By (print) KM (sign) _____

Date Labeled 7/18/24 By (print) KM (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: 07/19/24 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: 4.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

512356

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. Gutierrez Date: 07/19/24


SOUTHWEST AIRLINES
Printed on:
18 JUL 19:26
526 OAK 1528 9610
SNA
PC#
1 OF 5
DG
G
LOT WT
140 LB
(63.5 KG)
OAK WN 941 19 JUL 06:20
STN FLT DATE ETD
LOT 01
PC ID: 0001
PC WT: 28LB
NFG
526 15289610 0001

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 512356 **Project#:** 20-10491

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

Field ID: DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA **Batch#:** 345556 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512356-002 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 2.000 **Analyzed:** 07/22/24

512356-002 Analyte	Result	RL	Units
Lead	**440**	0.52	ug/ft2

Field ID: DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA **Batch#:** 345556 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512356-003 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512356-003 Analyte	Result	RL	Units
Lead	**290**	0.50	ug/ft2

Field ID: DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB **Batch#:** 345556 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512356-005 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512356-005 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA **Batch#:** 345556 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512356-007 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512356-007 Analyte	Result	RL	Units
Lead	**300**	0.50	ug/ft2

Field ID: DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB **Batch#:** 345556 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512356-010 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512356-010 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 512356 **Project#:** 20-10491

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

Field ID: DOOR-S-15.6GW-PS-17-240718-L-LA **Batch#:** 345556 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B

Lab ID: 512356-012 **Received:** 07/18/24 **Analyst:** SBW

Matrix: Wipe **Prepared:** 07/19/24

Diln Fac: 1.000 **Analyzed:** 07/19/24

512356-012 Analyte	Result	RL	Units
Lead	**360**	0.50	ug/ft2

Type: BLANK **Batch#:** 345556 **Analysis:** EPA 6010B

Lab ID: QC1170951 **Prepared:** 07/19/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/19/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170951 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 512356 **Project#:** 20-10491

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

Type: BS **Batch#:** 345556 **Analysis:** EPA 6010B

Lab ID: QC1170952 **Prepared:** 07/19/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/19/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170952 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.53	105	80-120	ug/ft2

Type: BSD **Batch#:** 345556 **Analysis:** EPA 6010B

Lab ID: QC1170953 **Prepared:** 07/19/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 07/19/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170953 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.21	102	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 512356 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
512356-002	MET09	07/19/24 18:34	1.0	
512356-002	MET06	07/22/24 10:05	2.0	✓
512356-003	MET09	07/19/24 18:43	1.0	✓
512356-005	MET09	07/19/24 18:47	1.0	✓
512356-007	MET09	07/19/24 18:50	1.0	✓
512356-010	MET09	07/19/24 18:53	1.0	✓
512356-012	MET09	07/19/24 18:56	1.0	✓
QC1170951	MET09	07/19/24 18:06	1.0	✓
QC1170952	MET09	07/19/24 18:09	1.0	✓
QC1170953	MET09	07/19/24 18:12	1.0	✓

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				07/19/24 08:45	1.0		
002	icp data	ICALBLK				07/19/24 08:48	1.0		
003	icp data	ICALBLK				07/19/24 08:50	1.0		
004	icp data	ICAL	L1			07/19/24 08:54	1.0	1	
005	icp data	ICAL	L2			07/19/24 08:57	1.0	2	
006	icp data	ICAL	L3			07/19/24 09:00	1.0	3	
007	icp data	ICAL	L4			07/19/24 09:03	1.0	4	
008	icp data	ICAL	L5			07/19/24 09:06	1.0	5	
009	icp data	ICAL	L6			07/19/24 09:09	1.0	6	
010	icp data	ICAL	L7			07/19/24 09:12	1.0	7	
011	icp data	ICAL	L8			07/19/24 09:15	1.0	8	
012	icp data	ICV				07/19/24 09:19	1.0	9	
013	icp data	ICB				07/19/24 09:22	1.0		
014	icp data	CRI				07/19/24 09:25	1.0	10	
015	icp data	ICSA				07/19/24 09:28	1.0	11	6:MGASMGCO3=1400
016	icp data	ICSAB				07/19/24 09:31	1.0	12	6:MGASMGCO3=1400
017	icp data	BLANK	QC1170190	Water	345342	07/19/24 09:34	1.0	13	
018	icp data	LCS	QC1170191	Water	345342	07/19/24 09:37	1.0	13	
019	icp data	LCS	QC1170459	Filtrate	345417	07/19/24 09:40	1.0	13	
020	icp data	SAMPLE	512208-001	Water	345342	07/19/24 09:44	1.0	13	
021	icp data	SAMPLE	512233-001	Water	345342	07/19/24 09:47	1.0	13	1:NA=2000
022	icp data	SAMPLE	512265-001	Water	345342	07/19/24 09:50	1.0	13	
023	icp data	MSS	512266-001	Water	345342	07/19/24 09:53	1.0	13	
024	icp data	MS	QC1170192	Water	345342	07/19/24 09:56	1.0	13	
025	icp data	MSD	QC1170193	Water	345342	07/19/24 09:59	1.0	13	
026	icp data	SAMPLE	512267-001	Water	345342	07/19/24 10:02	1.0	13	1:B=19
027	icp data	CCV				07/19/24 10:05	1.0	9	
028	icp data	CCB				07/19/24 10:09	1.0		
029	icp data	BLANK	QC1170735	Water	345494	07/19/24 10:39	1.0	13	
030	icp data	LCS	QC1170736	Water	345494	07/19/24 10:42	1.0	13	
031	icp data	SAMPLE	511878-001	Water	345494	07/19/24 10:45	1.0	13	1:FE=19
032	icp data	SAMPLE	512433-001	Water	345494	07/19/24 10:48	1.0	13	
033	icp data	SAMPLE	512434-001	Water	345494	07/19/24 10:52	1.0	13	1:TI=130
034	icp data	SAMPLE	512435-001	Water	345494	07/19/24 10:55	1.0	13	1:TI=28
035	icp data	MSS	512453-012	Water	345494	07/19/24 10:58	1.0	13	
036	icp data	MS	QC1170737	Water	345494	07/19/24 11:01	1.0	13	
037	icp data	MSD	QC1170738	Water	345494	07/19/24 11:04	1.0	13	
038	icp data	SAMPLE	512455-001	Water	345494	07/19/24 11:07	1.0	13	
039	icp data	CCV				07/19/24 11:10	1.0	9	
040	icp data	CCB				07/19/24 11:13	1.0		
041	icp data	SAMPLE	512456-001	Water	345494	07/19/24 11:16	1.0	13	2:FE=53
042	icp data	SAMPLE	512457-001	Water	345494	07/19/24 11:20	1.0	13	1:FE=40
043	icp data	SAMPLE	512457-002	Water	345494	07/19/24 11:23	1.0	13	1:FE=32
044	icp data	SAMPLE	512457-003	Water	345494	07/19/24 11:26	1.0	13	1:FE=49
045	icp data	SAMPLE	512457-004	Water	345494	07/19/24 11:29	1.0	13	1:FE=35
046	icp data	SAMPLE	512457-005	Water	345494	07/19/24 11:32	1.0	13	
047	icp data	SAMPLE	512457-006	Water	345494	07/19/24 11:35	1.0	13	1:FE=21
048	icp data	CCV				07/19/24 11:38	1.0	9	
049	icp data	CCB				07/19/24 11:41	1.0		
050	icp data	BLANK	QC1170771	Water	345503	07/19/24 11:45	1.0	13	
051	icp data	LCS	QC1170772	Water	345503	07/19/24 11:48	1.0	13	
052	icp data	SAMPLE	512331-001	Water	345503	07/19/24 11:51	1.0	13	
053	icp data	MSS	512338-002	Water	345503	07/19/24 11:54	1.0	13	
054	icp data	MS	QC1170773	Water	345503	07/19/24 11:57	1.0	13	
055	icp data	MSD	QC1170774	Water	345503	07/19/24 12:00	1.0	13	

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	512416-001	Water	345503	07/19/24 12:03	1.0	13	
057	icp data	SAMPLE	512417-002	Water	345503	07/19/24 12:06	1.0	13	1:B=21
058	icp data	SAMPLE	512427-001	Water	345503	07/19/24 12:09	1.0	13	1:NA=970
059	icp data	BLANK	QC1170801	Filtrate	345509	07/19/24 12:13	1.0	13	
060	icp data	CCV				07/19/24 12:16	1.0	9	
061	icp data	CCB				07/19/24 12:19	1.0		
062	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 12:22	1.0	13	
063	icp data	MSS	512367-002	Filtrate	345509	07/19/24 12:25	1.0	13	1:CAASCACO3=280
064	icp data	MS	QC1170803	Filtrate	345509	07/19/24 12:28	1.0	13	1:CAASCACO3=320
065	icp data	MSD	QC1170804	Filtrate	345509	07/19/24 12:31	1.0	13	1:CAASCACO3=330
066	icp data	SAMPLE	512367-003	Filtrate	345509	07/19/24 12:34	1.0	13	
067	icp data	SAMPLE	512367-004	Filtrate	345509	07/19/24 12:38	1.0	13	
068	icp data	SAMPLE	512369-001	Filtrate	345509	07/19/24 12:41	1.0	13	
069	icp data	SAMPLE	512369-002	Filtrate	345509	07/19/24 12:44	1.0	13	
070	icp data	SAMPLE	512369-003	Filtrate	345509	07/19/24 12:47	1.0	13	
071	icp data	SAMPLE	512369-004	Filtrate	345509	07/19/24 12:50	1.0	13	
072	icp data	CCV				07/19/24 12:53	1.0	9	
073	icp data	CCB				07/19/24 12:56	1.0		
074	icp data	SAMPLE	512369-005	Filtrate	345509	07/19/24 12:59	1.0	13	
075	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 13:02	100.0	13	1:MN=13
076	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 13:06	50.0	13	
077	icp data	SAMPLE	512376-008	Filtrate	345509	07/19/24 13:09	1.0	13	
078	icp data	BLANK	QC1170779	Water	345504	07/19/24 13:18	1.0	13	
079	icp data	IDOC	QC1170780	Water	345504	07/19/24 13:21	1.0	13	
080	icp data	IDOC	QC1170781	Water	345504	07/19/24 13:24	1.0	13	
081	icp data	IDOC	QC1170782	Water	345504	07/19/24 13:27	1.0	13	
082	icp data	IDOC	QC1170783	Water	345504	07/19/24 13:30	1.0	13	
083	icp data	BLANK	QC1170820	Wipe	345516	07/19/24 13:34	1.0	13	
084	icp data	CCV				07/19/24 13:37	1.0	9	
085	icp data	CCB				07/19/24 13:40	1.0		
086	icp data	BS	QC1170821	Wipe	345516	07/19/24 13:43	1.0	13	
087	icp data	BSD	QC1170822	Wipe	345516	07/19/24 13:46	1.0	13	
088	icp data	SAMPLE	512323-001	Wipe	345516	07/19/24 13:49	1.0	13	1:NI=9.1
089	icp data	SAMPLE	512323-002	Wipe	345516	07/19/24 13:52	1.0	13	
090	icp data	SAMPLE	512323-003	Wipe	345516	07/19/24 13:55	1.0	13	
091	icp data	BLANK	QC1170739	Miscell.	345495	07/19/24 13:59	1.0	13	
092	icp data	LCS	QC1170740	Miscell.	345495	07/19/24 14:02	1.0	13	
093	icp data	MSS	512459-001	Miscell.	345495	07/19/24 14:05	1.0	13	2:FEASFE2O3=75
094	icp data	MS	QC1170741	Miscell.	345495	07/19/24 14:08	1.0	13	4:FEASFE2O3=86
095	icp data	MSD	QC1170742	Miscell.	345495	07/19/24 14:11	1.0	13	4:FEASFE2O3=86
096	icp data	CCV				07/19/24 14:14	1.0	9	
097	icp data	CCB				07/19/24 14:17	1.0		
098	icp data	PDS	QC1170743	Miscell.	345495	07/19/24 14:20	1.0	13	2:FEASFE2O3=74
099	icp data	SAMPLE	512459-002	Miscell.	345495	07/19/24 14:24	1.0	13	1:FE=56
100	icp data	BLANK	QC1170892	Water	345537	07/19/24 14:27	1.0	13	
101	icp data	LCS	QC1170893	Water	345537	07/19/24 14:30	1.0	13	
102	icp data	MSS	512465-001	Water	345537	07/19/24 14:33	1.0	13	
103	icp data	MS	QC1170894	Water	345537	07/19/24 14:36	1.0	13	
104	icp data	MSD	QC1170895	Water	345537	07/19/24 14:39	1.0	13	
105	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 14:42	20.0	13	1:MN=48
106	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 14:45	20.0	13	
107	icp data	SAMPLE	512367-001	Filtrate	345509	07/19/24 14:50	1.0	13	
108	icp data	CCV				07/19/24 14:53	1.0	9	
109	icp data	CCB				07/19/24 14:56	1.0		
110	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 14:59	1.0	13	

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
111	icp data	BLANK	QC1170834	Water	345520	07/19/24 15:26	1.0	13	
112	icp data	IDOC	QC1170835	Water	345520	07/19/24 15:29	1.0	13	
113	icp data	IDOC	QC1170836	Water	345520	07/19/24 15:32	1.0	13	
114	icp data	IDOC	QC1170837	Water	345520	07/19/24 15:35	1.0	13	
115	icp data	IDOC	QC1170838	Water	345520	07/19/24 15:38	1.0	13	
116	icp data	BLANK	QC1170779	Water	345504	07/19/24 15:41	1.0	13	
117	icp data	IDOC	QC1170780	Water	345504	07/19/24 15:44	1.0	13	
118	icp data	IDOC	QC1170781	Water	345504	07/19/24 15:47	1.0	13	
119	icp data	IDOC	QC1170782	Water	345504	07/19/24 15:50	1.0	13	
120	icp data	CCV				07/19/24 15:54	1.0	9	
121	icp data	CCB				07/19/24 15:57	1.0		
122	icp data	IDOC	QC1170783	Water	345504	07/19/24 16:00	1.0	13	
123	icp data	BLANK	QC1170839	Water	345521	07/19/24 16:03	1.0	13	
124	icp data	IDOC	QC1170840	Water	345521	07/19/24 16:06	1.0	13	
125	icp data	IDOC	QC1170841	Water	345521	07/19/24 16:09	1.0	13	
126	icp data	IDOC	QC1170842	Water	345521	07/19/24 16:12	1.0	13	
127	icp data	IDOC	QC1170843	Water	345521	07/19/24 16:15	1.0	13	
128	icp data	CCV				07/19/24 16:19	1.0	9	
129	icp data	CCB				07/19/24 16:22	1.0		
130	icp data	BLANK	QC1170889	Wipe	345535	07/19/24 16:31	1.0	13	
131	icp data	BS	QC1170890	Wipe	345535	07/19/24 16:34	1.0	13	
132	icp data	BSD	QC1170891	Wipe	345535	07/19/24 16:37	1.0	13	
133	icp data	SAMPLE	512437-001	Wipe	345535	07/19/24 16:40	1.0	13	2:ZN=230
134	icp data	CCV				07/19/24 16:44	1.0	9	
135	icp data	CCB				07/19/24 16:47	1.0		
136	icp data	SAMPLE	512437-002	Wipe	345535	07/19/24 16:50	1.0	13	2:ZN=140
137	icp data	SAMPLE	512437-003	Wipe	345535	07/19/24 16:53	1.0	13	1:FE=98
138	icp data	SAMPLE	512437-004	Wipe	345535	07/19/24 16:56	1.0	13	2:ZN=92
139	icp data	SAMPLE	512437-005	Wipe	345535	07/19/24 16:59	1.0	13	1:FE=77
140	icp data	SAMPLE	512437-006	Wipe	345535	07/19/24 17:02	1.0	13	1:FE=160
141	icp data	SAMPLE	512437-007	Wipe	345535	07/19/24 17:05	1.0	13	2:ZN=190
142	icp data	SAMPLE	512437-008	Wipe	345535	07/19/24 17:09	1.0	13	2:FE=140
143	icp data	SAMPLE	512437-013	Wipe	345535	07/19/24 17:12	1.0	13	1:FE=89
144	icp data	SAMPLE	512437-014	Wipe	345535	07/19/24 17:15	1.0	13	1:FE=91
145	icp data	SAMPLE	512437-015	Wipe	345535	07/19/24 17:18	1.0	13	1:FE=150
146	icp data	CCV				07/19/24 17:21	1.0	9	
147	icp data	CCB				07/19/24 17:24	1.0		
148	icp data	SAMPLE	512437-016	Wipe	345535	07/19/24 17:27	1.0	13	1:FE=61
149	icp data	SAMPLE	512437-017	Wipe	345535	07/19/24 17:30	1.0	13	2:ZN=130
150	icp data	SAMPLE	512437-018	Wipe	345535	07/19/24 17:33	1.0	13	1:FE=81
151	icp data	SAMPLE	512437-019	Wipe	345535	07/19/24 17:37	1.0	13	1:FE=100
152	icp data	SAMPLE	512437-020	Wipe	345535	07/19/24 17:40	1.0	13	1:FE=130
153	icp data	SAMPLE	512437-021	Wipe	345535	07/19/24 17:43	1.0	13	
154	icp data	SAMPLE	512437-022	Wipe	345535	07/19/24 17:46	1.0	13	
155	icp data	SAMPLE	512437-023	Wipe	345535	07/19/24 17:49	1.0	13	
156	icp data	SAMPLE	512437-024	Wipe	345535	07/19/24 17:52	1.0	13	
157	icp data	CCV				07/19/24 17:55	1.0	9	
158	icp data	CCB				07/19/24 17:58	1.0		
159	icp data	BLANK	QC1170951	Wipe	345556	07/19/24 18:06	1.0	13	
160	icp data	BS	QC1170952	Wipe	345556	07/19/24 18:09	1.0	13	
161	icp data	BSD	QC1170953	Wipe	345556	07/19/24 18:12	1.0	13	
162	icp data	SAMPLE	512355-002	Wipe	345556	07/19/24 18:15	1.0	13	1:FE=55
163	icp data	SAMPLE	512355-004	Wipe	345556	07/19/24 18:18	1.0	13	1:FE=43
164	icp data	SAMPLE	512355-006	Wipe	345556	07/19/24 18:22	1.0	13	2:ZN=250
165	icp data	SAMPLE	512355-007	Wipe	345556	07/19/24 18:25	1.0	13	1:FE=57

Enthalpy Sequence Summary for Sequence 674289965

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	SAMPLE	512355-009	Wipe	345556	07/19/24 18:28	1.0	13	1:FE=43
167	icp data	SAMPLE	512355-011	Wipe	345556	07/19/24 18:31	1.0	13	2:ZN=160
168	icp data	SAMPLE	512356-002	Wipe	345556	07/19/24 18:34	1.0	13	3:ZN=130
169	icp data	CCV				07/19/24 18:37	1.0	9	
170	icp data	CCB				07/19/24 18:40	1.0		
171	icp data	SAMPLE	512356-003	Wipe	345556	07/19/24 18:43	1.0	13	1:FE=41
172	icp data	SAMPLE	512356-005	Wipe	345556	07/19/24 18:47	1.0	13	2:FE=50
173	icp data	SAMPLE	512356-007	Wipe	345556	07/19/24 18:50	1.0	13	2:ZN=130
174	icp data	SAMPLE	512356-010	Wipe	345556	07/19/24 18:53	1.0	13	2:ZN=55
175	icp data	SAMPLE	512356-012	Wipe	345556	07/19/24 18:56	1.0	13	1:FE=60
176	icp data	CCV				07/19/24 18:59	1.0	9	
177	icp data	CCB				07/19/24 19:02	1.0		

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 28.

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 29 through 49.

KCD 07/20/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 50 through 177.

Standards Used:
1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20458 8=S21161 9=S21181 10=S20783 11=S21125 12=S21126 13=S16862

Enthalpy Internal Standard Summary for Sequence 674289965

Date: 07/19/24 Reference: icp data
Sequence: MET09 07/19/24 Analyzed: 07/19/24 08:50

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	359055	174830
		LOWER LIMIT	107717	52449
		UPPER LIMIT	718111	349660
013	ICB		358488	182102
015	ICSA		324220	164701
016	ICSAB		323924	163698
017	BLANK	QC1170190	372560	186860
018	LCS	QC1170191	361033	179913
019	LCS	QC1170459	364467	182118
020	SAMPLE	512208-001	349163	172015
021	SAMPLE	512233-001	343597	166108
022	SAMPLE	512265-001	354317	176640
023	MSS	512266-001	366807	184746
024	MS	QC1170192	363225	182802
025	MSD	QC1170193	364873	183030
026	SAMPLE	512267-001	345661	171445
027	CCV		339506	174544
028	CCB		355503	181643
029	BLANK	QC1170735	345025	168049
030	LCS	QC1170736	344847	167819
031	SAMPLE	511878-001	334012	162920
032	SAMPLE	512433-001	345346	175640
033	SAMPLE	512434-001	352885	180020
034	SAMPLE	512435-001	336901	172481
035	MSS	512453-012	350001	180365
036	MS	QC1170737	345345	177651
037	MSD	QC1170738	346197	176942
038	SAMPLE	512455-001	338878	175856
039	CCV		346062	174142
040	CCB		356753	181336
041	SAMPLE	512456-001	339027	176044
042	SAMPLE	512457-001	345625	175103
043	SAMPLE	512457-002	346124	177347
044	SAMPLE	512457-003	352204	177037
045	SAMPLE	512457-004	350103	178291
046	SAMPLE	512457-005	353393	179333
047	SAMPLE	512457-006	344588	174760
048	CCV		356698	179341
049	CCB		366206	186775
050	BLANK	QC1170771	380431	191420
051	LCS	QC1170772	368451	186538
052	SAMPLE	512331-001	356573	178621
053	MSS	512338-002	369844	189182
054	MS	QC1170773	367590	184737
055	MSD	QC1170774	367644	185073
056	SAMPLE	512416-001	360241	181865
057	SAMPLE	512417-002	369856	184223
058	SAMPLE	512427-001	357035	181062
059	BLANK	QC1170801	382122	194383
060	CCV		352416	182384
061	CCB		365791	188210
062	LCS	QC1170802	372793	191290
063	MSS	512367-002	366334	190334
064	MS	QC1170803	365235	188535
065	MSD	QC1170804	362079	185516
066	SAMPLE	512367-003	367520	189455
067	SAMPLE	512367-004	359222	186593

Enthalpy Internal Standard Summary for Sequence 674289965

Date:	07/19/24	Reference:	icp data
Sequence:	MET09 07/19/24	Analyzed:	07/19/24 08:50

#	Type	Sample ID	Y A	Y R
068	SAMPLE	512369-001	361442	186565
069	SAMPLE	512369-002	359137	183457
070	SAMPLE	512369-003	362233	188506
071	SAMPLE	512369-004	379069	194472
072	CCV		352856	182737
073	CCB		365138	189752
074	SAMPLE	512369-005	367450	189574
075	SAMPLE	512376-002	363597	188800
076	SAMPLE	512376-005	365193	190211
077	SAMPLE	512376-008	380454	196946
079	IDOC	QC1170780	367426	190975
080	IDOC	QC1170781	371880	190897
081	IDOC	QC1170782	370086	194151
082	IDOC	QC1170783	369355	193340
083	BLANK	QC1170820	355987	192693
084	CCV		352483	184470
085	CCB		362872	189532
086	BS	QC1170821	352166	189125
087	BSD	QC1170822	350458	189584
088	SAMPLE	512323-001	362391	194130
089	SAMPLE	512323-002	362141	192481
090	SAMPLE	512323-003	363376	192578
091	BLANK	QC1170739	361457	192259
092	LCS	QC1170740	357509	194689
093	MSS	512459-001	367521	195580
094	MS	QC1170741	367716	198009
095	MSD	QC1170742	361962	194663
096	CCV		361962	192363
097	CCB		372066	197968
098	PDS	QC1170743	371079	198883
099	SAMPLE	512459-002	365950	195677
100	BLANK	QC1170892	385582	204442
101	LCS	QC1170893	372851	199113
102	MSS	512465-001	369073	197596
103	MS	QC1170894	364474	191615
104	MSD	QC1170895	365827	191500
105	SAMPLE	512376-002	363559	194271
106	SAMPLE	512376-005	366636	198105
107	SAMPLE	512367-001	367067	190692
108	CCV		350899	186714
109	CCB		364059	195355
110	LCS	QC1170802	367788	194502
112	IDOC	QC1170835	369008	192285
113	IDOC	QC1170836	375625	198439
114	IDOC	QC1170837	372889	197597
115	IDOC	QC1170838	374779	196881
117	IDOC	QC1170780	372388	198460
118	IDOC	QC1170781	369674	195196
119	IDOC	QC1170782	372504	197461
120	CCV		354649	188151
121	CCB		368311	197045
122	IDOC	QC1170783	370615	197514
124	IDOC	QC1170840	355554	193600
125	IDOC	QC1170841	356184	194771
126	IDOC	QC1170842	353849	191365
127	IDOC	QC1170843	358546	196198
128	CCV		355248	189649

Enthalpy Internal Standard Summary for Sequence 674289965

Date:	07/19/24	Reference:	icp data
Sequence:	MET09 07/19/24	Analyzed:	07/19/24 08:50

#	Type	Sample ID	Y A	Y R
129	CCB		368962	197552
130	BLANK	QC1170889	358410	196500
131	BS	QC1170890	354854	194602
132	BSD	QC1170891	356399	196729
133	SAMPLE	512437-001	353514	191392
134	CCV		359838	191663
135	CCB		368902	196035
136	SAMPLE	512437-002	350448	194452
137	SAMPLE	512437-003	342280	187928
138	SAMPLE	512437-004	345298	192392
139	SAMPLE	512437-005	347198	192320
140	SAMPLE	512437-006	346622	192445
141	SAMPLE	512437-007	344058	187592
142	SAMPLE	512437-008	344915	191936
143	SAMPLE	512437-013	343147	188334
144	SAMPLE	512437-014	350773	193954
145	SAMPLE	512437-015	344173	190075
146	CCV		361278	192020
147	CCB		369365	196829
148	SAMPLE	512437-016	351267	193655
149	SAMPLE	512437-017	349347	188508
150	SAMPLE	512437-018	345387	189496
151	SAMPLE	512437-019	344184	188123
152	SAMPLE	512437-020	355004	192255
153	SAMPLE	512437-021	353803	192376
154	SAMPLE	512437-022	356002	195710
155	SAMPLE	512437-023	350743	191513
156	SAMPLE	512437-024	355606	195566
157	CCV		356887	188681
158	CCB		369399	197731
159	BLANK	QC1170951	349618	190798
160	BS	QC1170952	350222	187924
161	BSD	QC1170953	350624	193135
162	SAMPLE	512355-002	346952	190066
163	SAMPLE	512355-004	353192	197551
164	SAMPLE	512355-006	345482	188818
165	SAMPLE	512355-007	352551	194011
166	SAMPLE	512355-009	349730	188346
167	SAMPLE	512355-011	350792	190452
168	SAMPLE	512356-002	348301	188842
169	CCV		360256	191170
170	CCB		368058	195673
171	SAMPLE	512356-003	355645	197363
172	SAMPLE	512356-005	352001	188935
173	SAMPLE	512356-007	352818	192050
174	SAMPLE	512356-010	350187	189864
175	SAMPLE	512356-012	349281	190026
176	CCV		358229	190205
177	CCB		370254	199569

ENTHALPY INITIAL CALIBRATION FOR 512356 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	674289965001	Date:	19-JUL-2024 08:50
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	674289965004	L1	19-JUL-2024 08:54	S21190
L2	icp data	674289965005	L2	19-JUL-2024 08:57	S21189
L3	icp data	674289965006	L3	19-JUL-2024 09:00	S21188
L4	icp data	674289965007	L4	19-JUL-2024 09:03	S21187
L5	icp data	674289965008	L5	19-JUL-2024 09:06	S21186
L6	icp data	674289965009	L6	19-JUL-2024 09:09	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00152	3.19E-4		2886.8	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	2328.1	2392.9	3192.5	3159.7	3102.5	3145.0

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	20	0.0100	-9	0.1000	3	1.0000	1	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET09		
Calnum:	674289965001	Cal Date:	19-JUL-2024

- ICV 674289965012 (19-JUL-2024) stds: S21181

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	0.9840	mg/L	-2	10	

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965013	File:	icp data	Time:	19-JUL-2024 09:22
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	358488	-0.16
Yttrium	R	174830	182102	4.16

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965015	File:	icp data	Time:	19-JUL-2024 09:28
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.006405	0.003333	mg/L	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.7	mg/L	104	
Aluminum as Al2O3	A	755.8	785.5	mg/L	104	
Iron	A	160.0	157.6	mg/L	99	
Iron as Fe2O3	A	228.8	225.3	mg/L	99	
Calcium	R	400.0	398.0	mg/L	99	
Calcium as CaCO3	R	998.9	993.8	mg/L	99	
Magnesium	R	400.0	409.7	mg/L	102	
Magnesium as MgCO3	R	1388	1421	mg/L	102	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	324220	-9.70
Yttrium	R	174830	164701	-5.79

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965016	File:	icp data	Time:	19-JUL-2024 09:31
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.061	mg/L	6	20	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	323924	-9.78
Yttrium	R	174830	163698	-6.37

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965157	File:	icp data	Time:	19-JUL-2024 17:55
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3244.9	1.000	1.029	mg/L	3	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	356887	-0.60
Yttrium	R	174830	188681	7.92

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965158	File:	icp data	Time:	19-JUL-2024 17:58
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002119]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	369399	2.88
Yttrium	R	174830	197731	13.10

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965169	File:	icp data	Time:	19-JUL-2024 18:37
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3221.9	1.000	1.022	mg/L	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	360256	0.33
Yttrium	R	174830	191170	9.35

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965170	File:	icp data	Time:	19-JUL-2024 18:40
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	368058	2.51
Yttrium	R	174830	195673	11.92

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965176	File:	icp data	Time:	19-JUL-2024 18:59
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3272.3	1.000	1.038	mg/L	4	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	358229	-0.23
Yttrium	R	174830	190205	8.79

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965177	File:	icp data	Time:	19-JUL-2024 19:02
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002404]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	370254	3.12
Yttrium	R	174830	199569	14.15

!=warning CCB=instrument blank

Enthalpy Sequence Summary for Sequence 484294273

Instrument: MET06 Begun: 07/22/24 08:33
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master071	ICALBLK	CALBLANK			07/22/24 08:33	1.0	1	
002	met06_master071	ICAL	L1			07/22/24 08:37	1.0	2 1	
003	met06_master071	ICAL	L2			07/22/24 08:41	1.0	3 1	
004	met06_master071	ICAL	L3			07/22/24 08:44	1.0	4 1	
005	met06_master071	ICAL	L4			07/22/24 08:48	1.0	5 1	
006	met06_master071	ICAL	L5			07/22/24 08:52	1.0	6 1	
007	met06_master071	ICAL	L6			07/22/24 08:55	1.0	7 1	
008	met06_master071	ICAL	L7			07/22/24 08:59	1.0	8 1	
009	met06_master071	ICAL	L8			07/22/24 09:02	1.0	9 1	
010	met06_master071	ICV				07/22/24 09:06	1.0	10 1	
011	met06_master071	CRI				07/22/24 09:14	1.0	11 1	
012	met06_master071	ICB				07/22/24 09:18	1.0	1	
013	met06_master071	ICSA				07/22/24 09:21	1.0	12 1	6:MGASMGCO3=1400
014	met06_master071	ICSAB				07/22/24 09:25	1.0	13 1	6:MGASMGCO3=1400
015	met06_master071	BLANK	QC1171197	Water	345617	07/22/24 09:30	1.0	1	
016	met06_master071	LCS	QC1171198	Water	345617	07/22/24 09:34	1.0	1	
017	met06_master071	SAMPLE	512535-001	Water	345617	07/22/24 09:37	1.0	1	1:FE=39
018	met06_master071	SAMPLE	512437-011	Wipe	345536	07/22/24 09:42	1.0	1	1:FE=68
019	met06_master071	SAMPLE	512535-002	Water	345617	07/22/24 09:46	1.0	1	1:FE=48
020	met06_master071	SAMPLE	512535-003	Water	345617	07/22/24 09:50	1.0	1	
021	met06_master071	MSS	512535-004	Water	345617	07/22/24 09:53	1.0	1	3:CAASCACO3=700
022	met06_master071	MS	QC1171199	Water	345617	07/22/24 09:57	1.0	1	3:CAASCACO3=730
023	met06_master071	MSD	QC1171200	Water	345617	07/22/24 10:01	1.0	1	3:CAASCACO3=720
024	met06_master071	SAMPLE	512356-002	Wipe	345556	07/22/24 10:05	2.0	1	2:ZN=69
025	met06_master071	CCV				07/22/24 10:08	1.0	10 1	
026	met06_master071	CCB				07/22/24 10:12	1.0	1	
027	met06_master071	LCS	QC1171263	Miscell.	345632	07/22/24 10:16	1.0	1	
028	met06_master071	MSS	512537-001	Miscell.	345632	07/22/24 10:19	1.0	1	2:FEASFE2O3=77
029	met06_master071	MS	QC1171264	Miscell.	345632	07/22/24 10:23	1.0	1	3:FEASFE2O3=88

Instrument: MET06 Begun: 07/22/24 08:33
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master071	MSD	QC1171265	Miscell.	345632	07/22/24 10:27	1.0	1	3:FEASFE2O3=87
031	met06_master071	PDS	QC1171266	Miscell.	345632	07/22/24 10:30	1.0	1	2:FEASFE2O3=78
032	met06_master071	SAMPLE	512537-002	Miscell.	345632	07/22/24 10:34	1.0	1	1:FE=57
033	met06_master071	CCV				07/22/24 10:38	1.0	10 1	
034	met06_master071	CCB				07/22/24 10:41	1.0	1	
035	met06_master071	BLANK	QC1171139	WET Leachate	345607	07/22/24 10:45	1.0	1	
036	met06_master071	BS	QC1171140	WET Leachate	345607	07/22/24 10:49	1.0	1	
037	met06_master071	BSD	QC1171141	WET Leachate	345607	07/22/24 10:52	1.0	1	
038	met06_master071	SAMPLE	511769-001	WET Leachate	345607	07/22/24 10:56	1.0	1	
039	met06_master071	CCV				07/22/24 10:59	1.0	10 1	
040	met06_master071	CCB				07/22/24 11:03	1.0	1	
041	met06_master071	LCS	QC1171026	Soil	345578	07/22/24 11:07	1.0	1	
042	met06_master071	MS	QC1171027	Soil	345578	07/22/24 11:11	1.0	1	6:CAASCACO3=620
043	met06_master071	MSD	QC1171028	Soil	345578	07/22/24 11:14	1.0	1	6:ALASAL2O3=430
044	met06_master071	PDS	QC1171029	Soil	345578	07/22/24 11:18	1.0	1	5:CAASCACO3=490
045	met06_master071	SAMPLE	512412-001	Soil	345578	07/22/24 11:22	1.0	1	2:AL=260
046	met06_master071	SAMPLE	512426-005	Soil	345578	07/22/24 11:25	1.0	1	2:FE=190
047	met06_master071	SAMPLE	512487-001	Soil	345578	07/22/24 11:29	1.0	1	2:FE=110
048	met06_master071	SAMPLE	512487-002	Soil	345578	07/22/24 11:33	1.0	1	2:FE=100
049	met06_master071	SAMPLE	512463-001	Soil	345578	07/22/24 11:36	1.0	1	3:FE=150
050	met06_master071	CCV				07/22/24 11:40	1.0	10 1	
051	met06_master071	CCB				07/22/24 11:43	1.0	1	
052	met06_master071	BS	QC1171428	WET Leachate	345670	07/22/24 12:11	1.0	1	
053	met06_master071	BSD	QC1171429	WET Leachate	345670	07/22/24 12:14	1.0	1	
054	met06_master071	CCV				07/22/24 12:18	1.0	10 1	
055	met06_master071	CCB				07/22/24 12:22	1.0	1	
056	met06_master071	BS	QC1171428	WET Leachate	345670	07/22/24 13:32	1.0	1	
057	met06_master071	BSD	QC1171429	WET Leachate	345670	07/22/24 13:36	1.0	1	
058	met06_master071	CCV				07/22/24 13:39	1.0	10 1	

Enthalpy Sequence Summary for Sequence 484294273

Instrument: MET06 Begun: 07/22/24 08:33
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master071	CCB				07/22/24 13:43	1.0	1	
060	met06_master071	MSS	512475-001	Soil	345608	07/22/24 14:38	1.0	1	5:CAASCACO3=430
061	met06_master071	MS	QC1171144	Soil	345608	07/22/24 14:41	1.0	1	5:CAASCACO3=440
062	met06_master071	MSD	QC1171145	Soil	345608	07/22/24 14:45	1.0	1	5:CAASCACO3=400
063	met06_master071	PDS	QC1171146	Soil	345608	07/22/24 14:48	1.0	1	5:ALASAL2O3=300
064	met06_master071	CCV				07/22/24 14:52	1.0	10 1	
065	met06_master071	CCB				07/22/24 14:56	1.0	1	

SBW 07/22/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 027.

SBW 07/22/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 028 through 065.

Standards Used:
1=S16862 2=S20849 3=S20848 4=S20847 5=S20846 6=S20845 7=S20614 8=S20782 9=S20759 10=S21056 11=S20783 12=S21125 13=S21126

Enthalpy Internal Standard Summary for Sequence 484294273

Date: 07/22/24 Reference: met06_master071
Sequence: MET06 07/22/24 Analyzed: 07/22/24 08:33

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	34682700	1620340	2308700
		LOWER LIMIT	10404810	486102	692610
		UPPER LIMIT	69365400	3240680	4617400
012	ICB		35402500	1690310	2268320
013	ICSA		31384100	1504750	2143910
014	ICSAB		31103100	1502730	2133490
015	BLANK	QC1171197	35314600	1685420	2258010
016	LCS	QC1171198	34191900	1666870	2212740
017	SAMPLE	512535-001	31559300	1507750	2212710
018	SAMPLE	512437-011	34709800	1582930	2191230
019	SAMPLE	512535-002	32391700	1525690	2221060
020	SAMPLE	512535-003	33250800	1636930	2222430
021	MSS	512535-004	32029600	1536170	2195700
022	MS	QC1171199	31750100	1520170	2186540
023	MSD	QC1171200	31504100	1511860	2193360
024	SAMPLE	512356-002	35148400	1694670	2209080
025	CCV		34614800	1690280	2219080
026	CCB		36256300	1769520	2252060
027	LCS	QC1171263	35210200	1726730	2202210
028	MSS	512537-001	35082900	1733830	2226830
029	MS	QC1171264	35225600	1720870	2203270
030	MSD	QC1171265	35073600	1716100	2221590
031	PDS	QC1171266	34800000	1707940	2192820
032	SAMPLE	512537-002	35358200	1754840	2197190
033	CCV		34824400	1732560	2203130
034	CCB		36558700	1812510	2225300
035	BLANK	QC1171139	36113200	1772830	2222410
036	BS	QC1171140	34785400	1740900	2257650
037	BSD	QC1171141	34735400	1731320	2261920
038	SAMPLE	511769-001	34579200	1732500	2246700
039	CCV		34236500	1701270	2227630
040	CCB		36245700	1785390	2264980
041	LCS	QC1171026	35780000	1775320	2260350
042	MS	QC1171027	33104400	1665120	2198160
043	MSD	QC1171028	33392300	1677680	2168610
044	PDS	QC1171029	33472300	1674380	2199740
045	SAMPLE	512412-001	34347400	1754800	2227580
046	SAMPLE	512426-005	33415300	1685120	2208700
047	SAMPLE	512487-001	34495100	1748780	2229270
048	SAMPLE	512487-002	34631600	1767080	2199790
049	SAMPLE	512463-001	34314200	1745530	2223610
050	CCV		34843600	1747890	2224420
051	CCB		36541700	1834710	2275990
052	BS	QC1171428	36060900	1805450	2294100
053	BSD	QC1171429	35708400	1835900	2253810
054	CCV		34852000	1775540	2242410
055	CCB		36056500	1841070	2200800
056	BS	QC1171428	35910900	1840850	2302640
057	BSD	QC1171429	35532800	1831780	2336640
058	CCV		35125200	1790370	2289960
059	CCB		37073800	1876530	2326780
060	MSS	512475-001	35144600	1820360	2288460
061	MS	QC1171144	35060200	1805740	2270710
062	MSD	QC1171145	35543500	1817670	2285730
063	PDS	QC1171146	34905100	1811590	2273470
064	CCV		35471700	1823560	2275650
065	CCB		37131600	1917040	2325200

Enthalpy Internal Standard Summary for Sequence 484294273

Date:	07/22/24	Reference:	met06_master071
Sequence:	MET06 07/22/24	Analyzed:	07/22/24 08:33

#	Type	Sample ID	Y H	Y A	Y R

ENTHALPY INITIAL CALIBRATION FOR 512356 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	484294273001	Date:	22-JUL-2024 08:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master071	484294273002	L1	22-JUL-2024 08:37	S20849, S16862 (100X)
L2	met06_master071	484294273003	L2	22-JUL-2024 08:41	S20848, S16862 (100X)
L3	met06_master071	484294273004	L3	22-JUL-2024 08:44	S20847, S16862 (100X)
L4	met06_master071	484294273005	L4	22-JUL-2024 08:48	S20846, S16862 (100X)
L5	met06_master071	484294273006	L5	22-JUL-2024 08:52	S20845, S16862 (100X)
L6	met06_master071	484294273007	L6	22-JUL-2024 08:55	S20614, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00468	30.9145		0.0261	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	0.0238	0.0347	0.0352	0.0331	0.0321

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	33	0.0100	20	0.1000	12	1.0000	9	5.0000	2	10.000	-1

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	484294273001	Cal Date:	22-JUL-2024

- ICV 484294273010 (22-JUL-2024) stds: S21056, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.051	mg/l	5	10	

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273012	File:	met06_master071	Time:	22-JUL-2024 09:18
Cal:	484294273001	Caldate:	22-JUL-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	34682700	35402500	2.08
Yttrium	A	1620340	1690310	4.32
Yttrium	R	2308700	2268320	-1.75

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273013	File:	met06_master071	Time:	22-JUL-2024 09:21
Cal:	484294273001	Caldate:	22-JUL-2024		

Standards: S21125, S16862 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.007373]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	142.0	mg/l	89	
Aluminum	R	400.0	406.2	mg/l	102	
Calcium	R	400.0	380.8	mg/l	95	
Magnesium	R	400.0	394.7	mg/l	99	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	34682700	31384100	-9.51
Yttrium	A	1620340	1504750	-7.13
Yttrium	R	2308700	2143910	-7.14

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273014	File:	met06_master071	Time:	22-JUL-2024 09:25
Cal:	484294273001	Caldate:	22-JUL-2024		

Standards: S21126, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.050	mg/l	5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	34682700	31103100	-10.32
Yttrium	A	1620340	1502730	-7.26
Yttrium	R	2308700	2133490	-7.59

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273025	File:	met06_master071	Time:	22-JUL-2024 10:08
Cal:	484294273001	Caldate:	22-JUL-2024		

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0261	0.0340	1.000	1.055	mg/l	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	34682700	34614800	-0.20
Yttrium	A	1620340	1690280	4.32
Yttrium	R	2308700	2219080	-3.88

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273026	File:	met06_master071	Time:	22-JUL-2024 10:12
Cal:	484294273001	Caldate:	22-JUL-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	34682700	36256300	4.54
Yttrium	A	1620340	1769520	9.21
Yttrium	R	2308700	2252060	-2.45

SAMPLE PREPARATION SUMMARY

Batch #:	345556	Prep Date:	19-JUL-2024 15:33	Started By:	SMP
Analysis:	ICP	Method:	3050B	Finished By:	SMP

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1170951 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1170952 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1170953 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
512355-002	Wipe	1.0828 ft2	50 mL	46.18				6010
512355-004	Wipe	1.0414 ft2	50 mL	48.01				6010
512355-006	Wipe	1.0276 ft2	50 mL	48.66				6010
512355-007	Wipe	1.0276 ft2	50 mL	48.66				6010
512355-009	Wipe	1.0828 ft2	50 mL	46.18				6010
512355-011	Wipe	1 ft2	50 mL	50.0				6010
512356-002	Wipe	1.0276 ft2	50 mL	48.66				6010
512356-003	Wipe	1.0276 ft2	50 mL	48.66				6010
512356-005	Wipe	1 ft2	50 mL	50.0				6010
512356-007	Wipe	1.0276 ft2	50 mL	48.66				6010
512356-010	Wipe	1 ft2	50 mL	50.0				6010
512356-012	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: SBW 07/22/24

Reviewer: KLN 07/22/24

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: SMP Prep Method: 3050B / 3051 / Other: _____ QC Batch #: 345556 Therm ID/Corr Factor: 763746 / -0.5

Prep Start, Date/Time: 7/19/24 15:33 Prep End, Date/Time: 7/19/24 17:35 HotBlock Temp (Obs/Cor), °C: 93 / 92.5

HotBlock ID: 15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight ~~(g)~~ ft²	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	1		50	W24010607 -	
LCS	-----	-----	-----	↓			F-4117-LC	
LCSD				↓				
512355-2			wipe	1.0828				
-4				1.0414				
-6				1.0276				
-7				↓				
-9				1.0828				
-11				1.0				
356-2				1.0276				
-3				↓				
-5				1.0				
-7				1.0276				
-10				1.0				
-12				1.0276		↓		
			SMP 7/19/24					

Hydrochloric Acid ID: 10mL 24009616

Nitric Acid ID: 10mL 24002085 9

H_2O_2 ID: 3mL 303303 DAJ 7-19-24

LCS Spike ID: 0.5mL (S20344, S20345)

MS/MSD Spike ID: ↓

Gold Std ID: ↓

ICP Raw Data

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				07/19/24 08:45	1.0		
002	icp data	ICALBLK				07/19/24 08:48	1.0		
003	icp data	ICALBLK				07/19/24 08:50	1.0		
004	icp data	ICAL	L1			07/19/24 08:54	1.0	1	
005	icp data	ICAL	L2			07/19/24 08:57	1.0	2	
006	icp data	ICAL	L3			07/19/24 09:00	1.0	3	
007	icp data	ICAL	L4			07/19/24 09:03	1.0	4	
008	icp data	ICAL	L5			07/19/24 09:06	1.0	5	
009	icp data	ICAL	L6			07/19/24 09:09	1.0	6	
010	icp data	ICAL	L7			07/19/24 09:12	1.0	7	
011	icp data	ICAL	L8			07/19/24 09:15	1.0	8	
012	icp data	ICV				07/19/24 09:19	1.0	9	
013	icp data	ICB				07/19/24 09:22	1.0		
014	icp data	CRI				07/19/24 09:25	1.0	10	
015	icp data	ICSA				07/19/24 09:28	1.0	11	6:MGASMGCO3=1400
016	icp data	ICSAB				07/19/24 09:31	1.0	12	6:MGASMGCO3=1400
017	icp data	BLANK	QC1170190	Water	345342	07/19/24 09:34	1.0	13	
018	icp data	LCS	QC1170191	Water	345342	07/19/24 09:37	1.0	13	
019	icp data	LCS	QC1170459	Filtrate	345417	07/19/24 09:40	1.0	13	
020	icp data	SAMPLE	512208-001	Water	345342	07/19/24 09:44	1.0	13	
021	icp data	SAMPLE	512233-001	Water	345342	07/19/24 09:47	1.0	13	1:NA=2000
022	icp data	SAMPLE	512265-001	Water	345342	07/19/24 09:50	1.0	13	
023	icp data	MSS	512266-001	Water	345342	07/19/24 09:53	1.0	13	
024	icp data	MS	QC1170192	Water	345342	07/19/24 09:56	1.0	13	
025	icp data	MSD	QC1170193	Water	345342	07/19/24 09:59	1.0	13	
026	icp data	SAMPLE	512267-001	Water	345342	07/19/24 10:02	1.0	13	1:B=19
027	icp data	CCV				07/19/24 10:05	1.0	9	
028	icp data	CCB				07/19/24 10:09	1.0		
029	icp data	BLANK	QC1170735	Water	345494	07/19/24 10:39	1.0	13	
030	icp data	LCS	QC1170736	Water	345494	07/19/24 10:42	1.0	13	
031	icp data	SAMPLE	511878-001	Water	345494	07/19/24 10:45	1.0	13	1:FE=19
032	icp data	SAMPLE	512433-001	Water	345494	07/19/24 10:48	1.0	13	
033	icp data	SAMPLE	512434-001	Water	345494	07/19/24 10:52	1.0	13	1:TI=130
034	icp data	SAMPLE	512435-001	Water	345494	07/19/24 10:55	1.0	13	1:TI=28
035	icp data	MSS	512453-012	Water	345494	07/19/24 10:58	1.0	13	
036	icp data	MS	QC1170737	Water	345494	07/19/24 11:01	1.0	13	
037	icp data	MSD	QC1170738	Water	345494	07/19/24 11:04	1.0	13	
038	icp data	SAMPLE	512455-001	Water	345494	07/19/24 11:07	1.0	13	
039	icp data	CCV				07/19/24 11:10	1.0	9	
040	icp data	CCB				07/19/24 11:13	1.0		
041	icp data	SAMPLE	512456-001	Water	345494	07/19/24 11:16	1.0	13	2:FE=53
042	icp data	SAMPLE	512457-001	Water	345494	07/19/24 11:20	1.0	13	1:FE=40
043	icp data	SAMPLE	512457-002	Water	345494	07/19/24 11:23	1.0	13	1:FE=32
044	icp data	SAMPLE	512457-003	Water	345494	07/19/24 11:26	1.0	13	1:FE=49
045	icp data	SAMPLE	512457-004	Water	345494	07/19/24 11:29	1.0	13	1:FE=35
046	icp data	SAMPLE	512457-005	Water	345494	07/19/24 11:32	1.0	13	
047	icp data	SAMPLE	512457-006	Water	345494	07/19/24 11:35	1.0	13	1:FE=21
048	icp data	CCV				07/19/24 11:38	1.0	9	
049	icp data	CCB				07/19/24 11:41	1.0		
050	icp data	BLANK	QC1170771	Water	345503	07/19/24 11:45	1.0	13	
051	icp data	LCS	QC1170772	Water	345503	07/19/24 11:48	1.0	13	
052	icp data	SAMPLE	512331-001	Water	345503	07/19/24 11:51	1.0	13	
053	icp data	MSS	512338-002	Water	345503	07/19/24 11:54	1.0	13	
054	icp data	MS	QC1170773	Water	345503	07/19/24 11:57	1.0	13	
055	icp data	MSD	QC1170774	Water	345503	07/19/24 12:00	1.0	13	

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	512416-001	Water	345503	07/19/24 12:03	1.0	13	
057	icp data	SAMPLE	512417-002	Water	345503	07/19/24 12:06	1.0	13	1:B=21
058	icp data	SAMPLE	512427-001	Water	345503	07/19/24 12:09	1.0	13	1:NA=970
059	icp data	BLANK	QC1170801	Filtrate	345509	07/19/24 12:13	1.0	13	
060	icp data	CCV				07/19/24 12:16	1.0	9	
061	icp data	CCB				07/19/24 12:19	1.0		
062	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 12:22	1.0	13	
063	icp data	MSS	512367-002	Filtrate	345509	07/19/24 12:25	1.0	13	1:CAASCACO3=280
064	icp data	MS	QC1170803	Filtrate	345509	07/19/24 12:28	1.0	13	1:CAASCACO3=320
065	icp data	MSD	QC1170804	Filtrate	345509	07/19/24 12:31	1.0	13	1:CAASCACO3=330
066	icp data	SAMPLE	512367-003	Filtrate	345509	07/19/24 12:34	1.0	13	
067	icp data	SAMPLE	512367-004	Filtrate	345509	07/19/24 12:38	1.0	13	
068	icp data	SAMPLE	512369-001	Filtrate	345509	07/19/24 12:41	1.0	13	
069	icp data	SAMPLE	512369-002	Filtrate	345509	07/19/24 12:44	1.0	13	
070	icp data	SAMPLE	512369-003	Filtrate	345509	07/19/24 12:47	1.0	13	
071	icp data	SAMPLE	512369-004	Filtrate	345509	07/19/24 12:50	1.0	13	
072	icp data	CCV				07/19/24 12:53	1.0	9	
073	icp data	CCB				07/19/24 12:56	1.0		
074	icp data	SAMPLE	512369-005	Filtrate	345509	07/19/24 12:59	1.0	13	
075	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 13:02	100.0	13	1:MN=13
076	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 13:06	50.0	13	
077	icp data	SAMPLE	512376-008	Filtrate	345509	07/19/24 13:09	1.0	13	
078	icp data	BLANK	QC1170779	Water	345504	07/19/24 13:18	1.0	13	
079	icp data	IDOC	QC1170780	Water	345504	07/19/24 13:21	1.0	13	
080	icp data	IDOC	QC1170781	Water	345504	07/19/24 13:24	1.0	13	
081	icp data	IDOC	QC1170782	Water	345504	07/19/24 13:27	1.0	13	
082	icp data	IDOC	QC1170783	Water	345504	07/19/24 13:30	1.0	13	
083	icp data	BLANK	QC1170820	Wipe	345516	07/19/24 13:34	1.0	13	
084	icp data	CCV				07/19/24 13:37	1.0	9	
085	icp data	CCB				07/19/24 13:40	1.0		
086	icp data	BS	QC1170821	Wipe	345516	07/19/24 13:43	1.0	13	
087	icp data	BSD	QC1170822	Wipe	345516	07/19/24 13:46	1.0	13	
088	icp data	SAMPLE	512323-001	Wipe	345516	07/19/24 13:49	1.0	13	1:NI=9.1
089	icp data	SAMPLE	512323-002	Wipe	345516	07/19/24 13:52	1.0	13	
090	icp data	SAMPLE	512323-003	Wipe	345516	07/19/24 13:55	1.0	13	
091	icp data	BLANK	QC1170739	Miscell.	345495	07/19/24 13:59	1.0	13	
092	icp data	LCS	QC1170740	Miscell.	345495	07/19/24 14:02	1.0	13	
093	icp data	MSS	512459-001	Miscell.	345495	07/19/24 14:05	1.0	13	2:FEASFE2O3=75
094	icp data	MS	QC1170741	Miscell.	345495	07/19/24 14:08	1.0	13	4:FEASFE2O3=86
095	icp data	MSD	QC1170742	Miscell.	345495	07/19/24 14:11	1.0	13	4:FEASFE2O3=86
096	icp data	CCV				07/19/24 14:14	1.0	9	
097	icp data	CCB				07/19/24 14:17	1.0		
098	icp data	PDS	QC1170743	Miscell.	345495	07/19/24 14:20	1.0	13	2:FEASFE2O3=74
099	icp data	SAMPLE	512459-002	Miscell.	345495	07/19/24 14:24	1.0	13	1:FE=56
100	icp data	BLANK	QC1170892	Water	345537	07/19/24 14:27	1.0	13	
101	icp data	LCS	QC1170893	Water	345537	07/19/24 14:30	1.0	13	
102	icp data	MSS	512465-001	Water	345537	07/19/24 14:33	1.0	13	
103	icp data	MS	QC1170894	Water	345537	07/19/24 14:36	1.0	13	
104	icp data	MSD	QC1170895	Water	345537	07/19/24 14:39	1.0	13	
105	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 14:42	20.0	13	1:MN=48
106	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 14:45	20.0	13	
107	icp data	SAMPLE	512367-001	Filtrate	345509	07/19/24 14:50	1.0	13	
108	icp data	CCV				07/19/24 14:53	1.0	9	
109	icp data	CCB				07/19/24 14:56	1.0		
110	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 14:59	1.0	13	

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
111	icp data	BLANK	QC1170834	Water	345520	07/19/24 15:26	1.0	13	
112	icp data	IDOC	QC1170835	Water	345520	07/19/24 15:29	1.0	13	
113	icp data	IDOC	QC1170836	Water	345520	07/19/24 15:32	1.0	13	
114	icp data	IDOC	QC1170837	Water	345520	07/19/24 15:35	1.0	13	
115	icp data	IDOC	QC1170838	Water	345520	07/19/24 15:38	1.0	13	
116	icp data	BLANK	QC1170779	Water	345504	07/19/24 15:41	1.0	13	
117	icp data	IDOC	QC1170780	Water	345504	07/19/24 15:44	1.0	13	
118	icp data	IDOC	QC1170781	Water	345504	07/19/24 15:47	1.0	13	
119	icp data	IDOC	QC1170782	Water	345504	07/19/24 15:50	1.0	13	
120	icp data	CCV				07/19/24 15:54	1.0	9	
121	icp data	CCB				07/19/24 15:57	1.0		
122	icp data	IDOC	QC1170783	Water	345504	07/19/24 16:00	1.0	13	
123	icp data	BLANK	QC1170839	Water	345521	07/19/24 16:03	1.0	13	
124	icp data	IDOC	QC1170840	Water	345521	07/19/24 16:06	1.0	13	
125	icp data	IDOC	QC1170841	Water	345521	07/19/24 16:09	1.0	13	
126	icp data	IDOC	QC1170842	Water	345521	07/19/24 16:12	1.0	13	
127	icp data	IDOC	QC1170843	Water	345521	07/19/24 16:15	1.0	13	
128	icp data	CCV				07/19/24 16:19	1.0	9	
129	icp data	CCB				07/19/24 16:22	1.0		
130	icp data	BLANK	QC1170889	Wipe	345535	07/19/24 16:31	1.0	13	
131	icp data	BS	QC1170890	Wipe	345535	07/19/24 16:34	1.0	13	
132	icp data	BSD	QC1170891	Wipe	345535	07/19/24 16:37	1.0	13	
133	icp data	SAMPLE	512437-001	Wipe	345535	07/19/24 16:40	1.0	13	2:ZN=230
134	icp data	CCV				07/19/24 16:44	1.0	9	
135	icp data	CCB				07/19/24 16:47	1.0		
136	icp data	SAMPLE	512437-002	Wipe	345535	07/19/24 16:50	1.0	13	2:ZN=140
137	icp data	SAMPLE	512437-003	Wipe	345535	07/19/24 16:53	1.0	13	1:FE=98
138	icp data	SAMPLE	512437-004	Wipe	345535	07/19/24 16:56	1.0	13	2:ZN=92
139	icp data	SAMPLE	512437-005	Wipe	345535	07/19/24 16:59	1.0	13	1:FE=77
140	icp data	SAMPLE	512437-006	Wipe	345535	07/19/24 17:02	1.0	13	1:FE=160
141	icp data	SAMPLE	512437-007	Wipe	345535	07/19/24 17:05	1.0	13	2:ZN=190
142	icp data	SAMPLE	512437-008	Wipe	345535	07/19/24 17:09	1.0	13	2:FE=140
143	icp data	SAMPLE	512437-013	Wipe	345535	07/19/24 17:12	1.0	13	1:FE=89
144	icp data	SAMPLE	512437-014	Wipe	345535	07/19/24 17:15	1.0	13	1:FE=91
145	icp data	SAMPLE	512437-015	Wipe	345535	07/19/24 17:18	1.0	13	1:FE=150
146	icp data	CCV				07/19/24 17:21	1.0	9	
147	icp data	CCB				07/19/24 17:24	1.0		
148	icp data	SAMPLE	512437-016	Wipe	345535	07/19/24 17:27	1.0	13	1:FE=61
149	icp data	SAMPLE	512437-017	Wipe	345535	07/19/24 17:30	1.0	13	2:ZN=130
150	icp data	SAMPLE	512437-018	Wipe	345535	07/19/24 17:33	1.0	13	1:FE=81
151	icp data	SAMPLE	512437-019	Wipe	345535	07/19/24 17:37	1.0	13	1:FE=100
152	icp data	SAMPLE	512437-020	Wipe	345535	07/19/24 17:40	1.0	13	1:FE=130
153	icp data	SAMPLE	512437-021	Wipe	345535	07/19/24 17:43	1.0	13	
154	icp data	SAMPLE	512437-022	Wipe	345535	07/19/24 17:46	1.0	13	
155	icp data	SAMPLE	512437-023	Wipe	345535	07/19/24 17:49	1.0	13	
156	icp data	SAMPLE	512437-024	Wipe	345535	07/19/24 17:52	1.0	13	
157	icp data	CCV				07/19/24 17:55	1.0	9	
158	icp data	CCB				07/19/24 17:58	1.0		
159	icp data	BLANK	QC1170951	Wipe	345556	07/19/24 18:06	1.0	13	
160	icp data	BS	QC1170952	Wipe	345556	07/19/24 18:09	1.0	13	
161	icp data	BSD	QC1170953	Wipe	345556	07/19/24 18:12	1.0	13	
162	icp data	SAMPLE	512355-002	Wipe	345556	07/19/24 18:15	1.0	13	1:FE=55
163	icp data	SAMPLE	512355-004	Wipe	345556	07/19/24 18:18	1.0	13	1:FE=43
164	icp data	SAMPLE	512355-006	Wipe	345556	07/19/24 18:22	1.0	13	2:ZN=250
165	icp data	SAMPLE	512355-007	Wipe	345556	07/19/24 18:25	1.0	13	1:FE=57

Enthalpy Sequence Summary for Sequence 674289965

Instrument: MET09 Begun: 07/19/24 08:45
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	SAMPLE	512355-009	Wipe	345556	07/19/24 18:28	1.0	13	1:FE=43
167	icp data	SAMPLE	512355-011	Wipe	345556	07/19/24 18:31	1.0	13	2:ZN=160
168	icp data	SAMPLE	512356-002	Wipe	345556	07/19/24 18:34	1.0	13	3:ZN=130
169	icp data	CCV				07/19/24 18:37	1.0	9	
170	icp data	CCB				07/19/24 18:40	1.0		
171	icp data	SAMPLE	512356-003	Wipe	345556	07/19/24 18:43	1.0	13	1:FE=41
172	icp data	SAMPLE	512356-005	Wipe	345556	07/19/24 18:47	1.0	13	2:FE=50
173	icp data	SAMPLE	512356-007	Wipe	345556	07/19/24 18:50	1.0	13	2:ZN=130
174	icp data	SAMPLE	512356-010	Wipe	345556	07/19/24 18:53	1.0	13	2:ZN=55
175	icp data	SAMPLE	512356-012	Wipe	345556	07/19/24 18:56	1.0	13	1:FE=60
176	icp data	CCV				07/19/24 18:59	1.0	9	
177	icp data	CCB				07/19/24 19:02	1.0		

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 28.

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 29 through 49.

KCD 07/20/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 50 through 177.

Standards Used:
1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20458 8=S21161 9=S21181 10=S20783 11=S21125 12=S21126 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	512356-003	Client ID:	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA
Seqnum:	674289965171	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	345556	Time:	19-JUL-2024 18:43
Cal:	674289965001	Caldate:	19-JUL-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	6.026	290	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	355645	-0.95

u=use

Instrument ID: MET09

Label:	512356-003,345556	Rack:Tube:	3:11	Type:	Sample
Date Time:	7/19/2024 6:43:55 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	-0.00012951	-0.00012951	mg/L	354.77907192	0.00074137	572.45876310	26.19952258	7.38		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.110985
Al 396.152	Al	n	2.31158574	2.31158574	mg/L	39381.20850512	0.01787675	0.77335436	296.68163565	0.75	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.950084
As 188.980	As	n	0.02598579	0.02598579	mg/L	60.31238991	0.00188228	7.24349088	3.21506539	5.33	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.0710405
B 249.678	B	n	0.01294829	0.01294829	mg/L	394.12636702	0.00031848	2.45965971	5.26639805	1.34	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.834493
Ba 230.424	Ba	n	0.02966268	0.02966268	mg/L	1275.94432181	0.00041132	1.38666525	15.02958346	1.18	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741
Be 313.107	Be	n	0.00007506	0.00007506	mg/L	140.35166579	0.00004474	59.60273280	49.48053850	35.25	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.8813
Ca 317.933	Ca-R	n	8.63280684	8.63280684	mg/L	115527.56872204	0.13569092	1.57180538	1791.46102238	1.55	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.511917
Cd 214.439	Cd	n	0.00039909	0.00039909	mg/L	57.93060344	0.00011737	29.40877310	7.44872802	12.86	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.446927
Co 230.786	Co	n	0.00387338	0.00387338	mg/L	135.65942953	0.00081592	21.06493820	11.92418133	8.79	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.317248
Cr 267.716	Cr	n	0.03223111	0.03223111	mg/L	1002.49347940	0.00017471	0.54204804	5.03180937	0.50	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.234946
Cu 324.754	Cu	n	0.22943770	0.22943770	mg/L	4297.50382746	0.00187219	0.81599170	32.72826072	0.76	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.246529
Fe 259.940	Fe	no	41.39573365	41.39573365	mg/L	1076988.46656287	0.28436284	0.68693756	7397.56953843	0.69	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.543608
K 766.491	K-R	n	2.16472447	2.16472447	mg/L	3236.48625097	0.04676480	2.16031170	71.63088403	2.21	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.7266387
Li 670.783	Li-R	n	0.00243708	0.00243708	mg/L	309.30281052	0.00021882	8.97895327	23.30534070	7.53	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.58408
Mg 279.800	Mg-R	n	3.11370856	3.11370856	mg/L	7233.99418312	0.03948161	1.26799326	90.50184200	1.25	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.2528065
Mn 257.610	Mn	n	0.27106325	0.27106325	mg/L	44667.13676819	0.00104971	0.38725705	172.20619117	0.39	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.96498
Mo 204.598	Mo	n	0.00166052	0.00166052	mg/L	15.99918797	0.00120632	72.64732509	3.01811596	18.86	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.9190098
Na 589.592	Na-R	n	5.37835504	5.37835504	mg/L	61459.09318552	0.08599644	1.59893565	959.30958662	1.56	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.224882
Ni 231.604	Ni	n	0.08924188	0.08924188	mg/L	840.35856496	0.00086449	0.96870089	7.74114854	0.92	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.6163135
P 177.434	P	n	0.59433039	0.59433039	mg/L	72.46406638	0.02150098	3.61768108	2.57088984	3.55		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.57083241
Pb 220.353	Pb	n	6.02615360	6.02615360	mg/L	19013.03490131	0.01220923	0.20260410	38.52608178	0.20	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.4871602
S 181.972	S	n	4.50695595	4.50695595	mg/L	2430.15143551	0.06161378	1.36708186	32.37394359	1.33		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.43351560
Sb 206.834	Sb	nu	-0.01259006	-0.01259006	mg/L	-26.02116286	0.00872151	69.27302925	8.12379539	31.22	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976
Se 196.026	Se	n	0.01744105	0.01744105	mg/L	33.15638855	0.00646981	37.09532486	7.03662344	21.22	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.6082870
Si 251.611	Si	n	4.39322453	4.39322453	mg/L	16079.12348541	0.04905686	1.11664817	179.33299313	1.12		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.6148792
Sn 189.925	Sn	n	0.04979306	0.04979306	mg/L	180.56265654	0.00212545	4.26857536	6.93839507	3.84	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.4292976
Sr 421.552	Sr-R	n	0.01284523	0.01284523	mg/L	5701.41989037	0.00018773	1.46143939	81.95164131	1.44	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.91382
Ti 334.941	Ti	n	0.17243871	0.17243871	mg/L	27107.03731425	0.01868612	10.83638513	2912.58663790	10.74	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942
Tl 190.794	Tl	n	0.00347129	0.00347129	mg/L	-0.35305042	0.00191122	55.05797529	1.84855696	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926
V 292.401	V	n	0.00680998	0.00680998	mg/L	132.90429292	0.00057193	8.39839321	9.19344166	6.92	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.452745
Zn 206.200	Zn	n	18.73270765	18.73270765	mg/L	329864.46319508	0.20876812	1.11445778	3673.63115066	1.11	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.705863
Y 371.029	Y		0.99	0.99	Ratio	355644.90	0.03	3.11	11051.18	3.11		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.13	1.13	Ratio	197362.77	0.01	1.25	2459.39	1.25		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	512356-005	Client ID:	DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB
Seqnum:	674289965172	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	345556	Time:	19-JUL-2024 18:47
Cal:	674289965001	Caldate:	19-JUL-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	5.073	250	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	352001	-1.96

u=use

Instrument ID: MET09

Label:	512356-005,345556	Rack:Tube:	3:12	Type:	Sample
Date Time:	7/19/2024 6:47:03 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 Coefficient [
Ag 328.068	Ag	nu	-0.00034311	-0.00034311	mg/L	345.92269329	0.00014982	43.66609121	5.29462138	1.53		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850
Al 396.152	Al	n	2.31210034	2.31210034	mg/L	39393.34974623	0.01585643	0.68580196	263.15251024	0.67	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849
As 188.980	As	n	0.03742259	0.03742259	mg/L	79.75615721	0.00207358	5.54097506	3.54181579	4.44	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057
B 249.678	B	n	0.01338758	0.01338758	mg/L	396.55637520	0.00070816	5.28971357	11.71009388	2.95	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936
Ba 230.424	Ba	n	0.04952381	0.04952381	mg/L	2001.13983857	0.00053282	1.07587996	19.46896156	0.97	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.6927412
Be 313.107	Be	n	0.00007418	0.00007418	mg/L	139.04704639	0.00005090	68.61493987	56.29039817	40.48	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133
Ca 317.933	Ca-R	n	8.25240015	8.25240015	mg/L	110503.57350740	0.11528796	1.39702339	1522.09066673	1.38	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174
Cd 214.439	Cd	n	0.00032210	0.00032210	mg/L	59.08095689	0.00020435	63.44210808	12.96886275	21.95	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270
Co 230.786	Co	n	0.00299859	0.00299859	mg/L	124.84525411	0.00007122	2.37515041	1.04084671	0.83	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484
Cr 267.716	Cr	n	0.01934290	0.01934290	mg/L	632.42842262	0.00054542	2.81975629	15.70884946	2.48	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462
Cu 324.754	Cu	n	0.18167424	0.18167424	mg/L	3459.61560672	0.00076582	0.42153214	13.38740603	0.39	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298
Fe 259.940	Fe	no	49.82978434	49.82978434	mg/L	1296396.95829202	0.26097335	0.52372964	6789.10258569	0.52	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085
K 766.491	K-R	n	2.27083779	2.27083779	mg/L	3397.56949640	0.03874615	1.70624916	59.34851111	1.75	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878
Li 670.783	Li-R	n	0.00263819	0.00263819	mg/L	331.82355497	0.00060913	23.08880567	64.87356578	19.55	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083
Mg 279.800	Mg-R	n	3.30498699	3.30498699	mg/L	7680.50956067	0.04643561	1.40501631	106.44214865	1.39	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655
Mn 257.610	Mn	n	0.28988922	0.28988922	mg/L	47762.76118483	0.00618200	2.13253978	1014.16356204	2.12	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980
Mo 204.598	Mo	n	0.00280110	0.00280110	mg/L	19.08480971	0.00270816	96.68211887	6.77559417	35.50	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982
Na 589.592	Na-R	n	5.48781558	5.48781558	mg/L	62667.97733333	0.07692000	1.40165067	858.05993861	1.37	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821
Ni 231.604	Ni	n	0.07054913	0.07054913	mg/L	673.40830738	0.00165525	2.34624285	14.82216345	2.20	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350
P 177.434	P	n	0.63731403	0.63731403	mg/L	77.61801835	0.01300407	2.04044965	1.55490770	2.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410
Pb 220.353	Pb	n	5.07341460	5.07341460	mg/L	16007.41134610	0.01762298	0.34735941	55.60909701	0.35	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028
S 181.972	S	n	4.23434360	4.23434360	mg/L	2286.83212325	0.05262101	1.24271938	27.64884146	1.21		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606
Sb 206.834	Sb	nu	-0.01056322	-0.01056322	mg/L	-23.54296944	0.00595550	56.37960846	5.54735087	23.56	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.466319764
Se 196.026	Se	n	0.01570840	0.01570840	mg/L	30.80420758	0.00580466	36.95258082	6.31319421	20.49	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703
Si 251.611	Si	n	4.58023523	4.58023523	mg/L	16761.94963760	0.03442772	0.75165836	125.85448874	0.75		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927
Sn 189.925	Sn	n	0.05299925	0.05299925	mg/L	190.99267147	0.00078280	1.47699563	2.55538437	1.34	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765
Sr 421.552	Sr-R	n	0.01413883	0.01413883	mg/L	6264.95352760	0.00021082	1.49106506	92.03330048	1.47	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820
Ti 334.941	Ti	n	0.14013291	0.14013291	mg/L	22073.00676813	0.00732866	5.22979174	1142.31059957	5.18	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.969420
Tl 190.794	Tl	n	0.00369221	0.00369221	mg/L	-0.28996877	0.00171911	46.56052989	1.66274893	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.213389266
V 292.401	V	n	0.00706403	0.00706403	mg/L	131.75888830	0.00020879	2.95567949	3.35618659	2.55	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450
Zn 206.200	Zn	no	48.01498860	48.01498860	mg/L	845178.78303721	0.38851668	0.80915708	6836.61369899	0.81	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635
Y 371.029	Y		0.98	0.98	Ratio	352000.51	0.03	2.83	9944.45	2.83		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.08	1.08	Ratio	188935.32	0.01	1.10	2079.28	1.10		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	512356-007	Client ID:	DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA
Seqnum:	674289965173	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	345556	Time:	19-JUL-2024 18:50
Cal:	674289965001	Caldate:	19-JUL-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	6.139	300	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	352818	-1.74

u=use

Instrument ID: MET09

Label:	512356-007,345556	Rack:Tube:	3:13	Type:	Sample
Date Time:	7/19/2024 6:50:11 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 Coeffici
Ag 328.068	Ag	nu	-0.00027487	-0.00027487	mg/L	349.19556247	0.00049833	181.29966872	17.61061614	5.04		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.11098
Al 396.152	Al	n	2.04507501	2.04507501	mg/L	34960.16133616	0.03151816	1.54117375	523.07379567	1.50	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.95008
As 188.980	As	n	0.02990701	0.02990701	mg/L	66.97597597	0.00251683	8.41550806	4.29891911	6.42	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.071040
B 249.678	B	n	0.01232280	0.01232280	mg/L	382.16049298	0.00082297	6.67841296	13.60845757	3.56	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.83449
Ba 230.424	Ba	n	0.04159949	0.04159949	mg/L	1711.91948528	0.00061229	1.47186189	22.37278034	1.31	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.69274
Be 313.107	Be	n	0.00007820	0.00007820	mg/L	143.75607845	0.00005328	68.13616700	58.92851493	40.99	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.881
Ca 317.933	Ca-R	n	8.68979094	8.68979094	mg/L	116279.04521626	0.09092963	1.04639606	1200.49953032	1.03	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.51191
Cd 214.439	Cd	n	0.00063100	0.00063100	mg/L	74.65816909	0.00013924	22.06725295	8.83703409	11.84	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.44692
Co 230.786	Co	n	0.00361379	0.00361379	mg/L	132.51965094	0.00044679	12.36335279	6.52947070	4.93	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.31724
Cr 267.716	Cr	n	0.03126607	0.03126607	mg/L	975.07279320	0.00040598	1.29848027	11.69283419	1.20	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.23494
Cu 324.754	Cu	n	0.21694957	0.21694957	mg/L	4078.20993047	0.00330839	1.52495728	57.83475053	1.42	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.24652
Fe 259.940	Fe	no	43.17084515	43.17084515	mg/L	1123166.99409874	0.74285748	1.72073878	19325.09818503	1.72	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.54360
K 766.491	K-R	n	2.38421328	2.38421328	mg/L	3572.19587895	0.02223824	0.93272883	34.06291162	0.95	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.726638
Li 670.783	Li-R	n	0.00134928	0.00134928	mg/L	193.81547893	0.00011261	8.34586622	11.99313135	6.19	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.5840
Mg 279.800	Mg-R	n	3.04290542	3.04290542	mg/L	7074.38559297	0.02908319	0.95577032	66.66601695	0.94	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.252806
Mn 257.610	Mn	n	0.26757383	0.26757383	mg/L	44097.10527444	0.00433533	1.62023662	711.21493301	1.61	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.9649
Mo 204.598	Mo	nu	-0.00012831	-0.00012831	mg/L	11.59288108	0.00136418	1063.22617797	3.41306173	29.44	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.919009
Na 589.592	Na-R	n	6.23053157	6.23053157	mg/L	70961.17311606	0.08295942	1.33149828	925.43099208	1.30	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.22488
Ni 231.604	Ni	n	0.08009508	0.08009508	mg/L	758.59873226	0.00085220	1.06398477	7.63111959	1.01	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.616313
P 177.434	P	n	0.69829110	0.69829110	mg/L	84.89916916	0.01439770	2.06184738	1.72154458	2.03		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.5708324
Pb 220.353	Pb	n	6.13888295	6.13888295	mg/L	19369.29681457	0.05492789	0.89475377	173.32424112	0.89	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.487160
S 181.972	S	n	4.76047381	4.76047381	mg/L	2563.32743086	0.00925598	0.19443400	4.86340188	0.19		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.4335156
Sb 206.834	Sb	nu	-0.02983217	-0.02983217	mg/L	-41.87710673	0.00663189	22.23067681	6.17738625	14.75	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.4663197
Se 196.026	Se	n	0.01587790	0.01587790	mg/L	31.29558300	0.00424976	26.76522863	4.62206958	14.77	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.608287
Si 251.611	Si	n	3.93766001	3.93766001	mg/L	14413.47962660	0.02383839	0.60539478	87.14396659	0.60		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.614879
Sn 189.925	Sn	n	0.04864749	0.04864749	mg/L	176.80674864	0.00051445	1.05751032	1.67939309	0.95	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.429297
Sr 421.552	Sr-R	n	0.01376413	0.01376413	mg/L	6102.86561485	0.00009567	0.69507372	41.76518245	0.68	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.9138
Ti 334.941	Ti	n	0.16034366	0.16034366	mg/L	25222.24883462	0.00706009	4.40309810	1100.44877026	4.36	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.9694
Tl 190.794	Tl	nu	-0.00039623	-0.00039623	mg/L	-4.14234942	0.00246512	622.14724139	2.38429335	57.56	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.2133892
V 292.401	V	n	0.00574844	0.00574844	mg/L	114.08132048	0.00027307	4.75039320	4.38950578	3.85	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.45274
Zn 206.200	Zn	no	126.66157104	126.66157104	mg/L	2229071.13616036	1.75107255	1.38248131	30813.10856427	1.38	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.70586
Y 371.029	Y		0.98	0.98	Ratio	352817.81	0.02	2.19	7732.94	2.19		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.10	1.10	Ratio	192050.09	0.01	1.11	2133.35	1.11		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	512356-010	Client ID:	DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB
Seqnum:	674289965174	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	345556	Time:	19-JUL-2024 18:53
Cal:	674289965001	Caldate:	19-JUL-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	3.753	190	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	350187	-2.47

u=use

Instrument ID: MET09

Label:	512356-010,345556	**Rack:Tube:**	3:14	**Type:**	Sample
Date Time:	7/19/2024 6:53:19 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	-0.00017362	-0.00017362	mg/L	351.52948941	0.00100293	577.65343375	35.44278584	10.08		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.11098
Al 396.152	Al	n	2.28837101	2.28837101	mg/L	39000.88831836	0.03759706	1.64296172	623.95892523	1.60	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.95008
As 188.980	As	n	0.04255428	0.04255428	mg/L	88.49426814	0.00452483	10.63306971	7.72872559	8.73	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.071040
B 249.678	B	n	0.01391499	0.01391499	mg/L	403.87097277	0.00058071	4.17328751	9.60256516	2.38	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.83449
Ba 230.424	Ba	n	0.02110594	0.02110594	mg/L	962.60344668	0.00059003	2.79555569	21.55945062	2.24	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.69274
Be 313.107	Be	n	0.00007861	0.00007861	mg/L	143.86711962	0.00007701	97.96416954	85.17278952	59.20	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.881
Ca 317.933	Ca-R	n	8.23513296	8.23513296	mg/L	110275.03653960	0.04279424	0.51965449	564.99144072	0.51	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.51191
Cd 214.439	Cd	n	0.00028317	0.00028317	mg/L	58.36300923	0.00005708	20.15750755	3.62250137	6.21	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.44692
Co 230.786	Co	n	0.00405464	0.00405464	mg/L	140.85126026	0.00043905	10.82829391	6.41639356	4.56	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.31724
Cr 267.716	Cr	n	0.02476160	0.02476160	mg/L	788.82133471	0.00021637	0.87381721	6.23175567	0.79	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.23494
Cu 324.754	Cu	n	0.24493436	0.24493436	mg/L	4564.63086062	0.00334251	1.36465625	58.43127715	1.28	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.24652
Fe 259.940	Fe	no	52.28610454	52.28610454	mg/L	1360297.05209540	0.90219660	1.72549975	23470.23292168	1.73	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.54360
K 766.491	K-R	n	2.26520860	2.26520860	mg/L	3388.52641544	0.01362140	0.60133098	20.86426288	0.62	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.726638
Li 670.783	Li-R	n	0.00093941	0.00093941	mg/L	151.21758652	0.00020722	22.05867503	22.06963921	14.59	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.5840
Mg 279.800	Mg-R	n	3.31362589	3.31362589	mg/L	7702.65279196	0.01818444	0.54877777	41.68333842	0.54	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.252806
Mn 257.610	Mn	n	0.32180671	0.32180671	mg/L	53000.95082823	0.00478134	1.48578088	784.38386940	1.48	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.9649
Mo 204.598	Mo	n	0.00175093	0.00175093	mg/L	16.52345957	0.00148408	84.75909006	3.71303883	22.47	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.919009
Na 589.592	Na-R	n	5.50496247	5.50496247	mg/L	62855.69743489	0.02265095	0.41146418	252.67642938	0.40	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.22488
Ni 231.604	Ni	n	0.05726176	0.05726176	mg/L	554.55197487	0.00111385	1.94519040	9.97410085	1.80	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.616313
P 177.434	P	n	0.64073562	0.64073562	mg/L	78.03136246	0.02407702	3.75771585	2.87890978	3.69		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.5708324
Pb 220.353	Pb	n	3.75304809	3.75304809	mg/L	11841.28685651	0.03704249	0.98699736	116.88708780	0.99	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.487160
S 181.972	S	n	4.40606123	4.40606123	mg/L	2377.03501991	0.01465674	0.33264951	7.70114293	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.4335156
Sb 206.834	Sb	nu	-0.00871488	-0.00871488	mg/L	-21.64788049	0.00955846	109.67969003	8.90338015	41.13	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.4663197
Se 196.026	Se	n	0.01351226	0.01351226	mg/L	28.27884571	0.00428269	31.69485963	4.65789273	16.47	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.608287
Si 251.611	Si	n	4.36883025	4.36883025	mg/L	15988.89769931	0.01208441	0.27660515	44.17594715	0.28		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.614879
Sn 189.925	Sn	n	0.05435327	0.05435327	mg/L	195.40138248	0.00182454	3.35681447	5.95607672	3.05	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.429297
Sr 421.552	Sr-R	n	0.01276000	0.01276000	mg/L	5662.95381340	0.00005716	0.44797000	24.95367222	0.44	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.9138
Ti 334.941	Ti	n	0.16816468	0.16816468	mg/L	26442.70127574	0.02590483	15.40444107	4037.75903413	15.27	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.9694
Tl 190.794	Tl	n	0.00430117	0.00430117	mg/L	0.25545557	0.00067048	15.58824233	0.64849412	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.2133892
V 292.401	V	n	0.00734933	0.00734933	mg/L	134.82129556	0.00017353	2.36116719	2.78939776	2.07	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.45274
Zn 206.200	Zn	no	55.27122407	55.27122407	mg/L	972877.00854357	0.85407812	1.54524914	15028.96140503	1.54	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.70586
Y 371.029	Y		0.98	0.98	Ratio	350186.79	0.02	2.25	7895.20	2.25		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	189864.29	0.01	0.66	1247.75	0.66		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	512356-012	Client ID:	DOOR-S-15.6GW-PS-17-240718-L-LA
Seqnum:	674289965175	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	345556	Time:	19-JUL-2024 18:56
Cal:	674289965001	Caldate:	19-JUL-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	7.475	360	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	349281	-2.72

u=use

Instrument ID: MET09

Label:	512356-012,345556	Rack:Tube:	3:15	Type:	Sample
Date Time:	7/19/2024 6:56:27 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	-0.00065078	-0.00065078	mg/L	333.73597689	0.00042082	64.66437126	14.87142078	4.46		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.11098
Al 396.152	Al	n	2.90605803	2.90605803	mg/L	49260.82893568	0.06348752	2.18466102	1053.63566250	2.14	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.95008
As 188.980	As	n	0.03028918	0.03028918	mg/L	67.49364326	0.00268575	8.86703785	4.58745724	6.80	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.071040
B 249.678	B	n	0.01429671	0.01429671	mg/L	406.84344280	0.00092064	6.43953894	15.22359010	3.74	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.83449
Ba 230.424	Ba	n	0.04264597	0.04264597	mg/L	1749.34978487	0.00072597	1.70230967	26.52659054	1.52	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.69274
Be 313.107	Be	n	0.00009394	0.00009394	mg/L	160.51018512	0.00002127	22.64269416	23.52377299	14.66	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.881
Ca 317.933	Ca-R	n	9.19717931	9.19717931	mg/L	122975.40923246	0.10141324	1.10265585	1338.90944970	1.09	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.51191
Cd 214.439	Cd	n	0.00037658	0.00037658	mg/L	68.51681071	0.00011895	31.58686585	7.54913376	11.02	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.44692
Co 230.786	Co	n	0.00580497	0.00580497	mg/L	167.86136497	0.00009752	1.68000808	1.42524733	0.85	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.31724
Cr 267.716	Cr	n	0.03322580	0.03322580	mg/L	1033.40186214	0.00079217	2.38419041	22.81536863	2.21	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.23494
Cu 324.754	Cu	n	0.31889775	0.31889775	mg/L	5855.63928583	0.00622995	1.95358960	108.90734790	1.86	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.24652
Fe 259.940	Fe	no	59.50499654	59.50499654	mg/L	1548093.51003766	1.24755118	2.09654862	32454.47470478	2.10	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.54360
K 766.491	K-R	n	1.92090257	1.92090257	mg/L	2860.25003428	0.04088189	2.12826486	62.61988670	2.19	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.726638
Li 670.783	Li-R	n	0.00265059	0.00265059	mg/L	334.29661013	0.00047830	18.04499234	50.94010708	15.24	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.5840
Mg 279.800	Mg-R	n	3.41509134	3.41509134	mg/L	7940.82280625	0.04606892	1.34898053	105.60160475	1.33	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.252806
Mn 257.610	Mn	n	0.34505300	0.34505300	mg/L	56819.57877050	0.00602821	1.74703824	988.93332596	1.74	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.9649
Mo 204.598	Mo	nu	0.00012063	0.00012063	mg/L	12.64890770	0.00090763	752.38323725	2.27081466	17.95	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.919009
Na 589.592	Na-R	n	3.14563241	3.14563241	mg/L	36528.46910835	0.03314076	1.05354850	369.69266565	1.01	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.22488
Ni 231.604	Ni	n	0.06967381	0.06967381	mg/L	666.00722663	0.00101315	1.45413655	9.07239100	1.36	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.616313
P 177.434	P	n	0.58288692	0.58288692	mg/L	71.13166864	0.01402847	2.40672213	1.67739566	2.36		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.5708324
Pb 220.353	Pb	n	7.47509601	7.47509601	mg/L	23585.97767409	0.08529834	1.14110022	269.15780716	1.14	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.487160
S 181.972	S	n	2.77020268	2.77020268	mg/L	1517.49520481	0.00999181	0.36068863	5.25002982	0.35		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.4335156
Sb 206.834	Sb	nu	-0.00322537	-0.00322537	mg/L	-16.11868207	0.00442575	137.21692134	4.12243477	25.58	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.4663197
Se 196.026	Se	n	0.00767966	0.00767966	mg/L	21.62179326	0.00546739	71.19305768	5.94637401	27.50	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.608287
Si 251.611	Si	n	4.83753297	4.83753297	mg/L	17701.76092626	0.10538013	2.17838585	385.22918498	2.18		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.614879
Sn 189.925	Sn	n	0.06015504	0.06015504	mg/L	214.32660813	0.00280058	4.65560091	9.14229033	4.27	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.429297
Sr 421.552	Sr-R	n	0.01568660	0.01568660	mg/L	6945.22987299	0.00026157	1.66744636	114.18675527	1.64	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.9138
Ti 334.941	Ti	n	0.17258078	0.17258078	mg/L	27132.04848025	0.02498912	14.47966759	3895.02899357	14.36	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.9694
Tl 190.794	Tl	n	0.00290502	0.00290502	mg/L	-1.21238981	0.00323610	111.39709552	3.13000393	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.2133892
V 292.401	V	n	0.00814785	0.00814785	mg/L	143.97478669	0.00053095	6.51647827	8.53477735	5.93	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.45274
Zn 206.200	Zn	n	15.16065715	15.16065715	mg/L	267092.98990116	0.07595082	0.50097311	1336.48415224	0.50	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.70586
Y 371.029	Y		0.97	0.97	Ratio	349280.55	0.03	2.79	9740.60	2.79		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	190026.48	0.01	1.31	2486.39	1.31		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09	Lab ID:	QC1170951		
Seqnum:	674289965159.2	Matrix:	Wipe		
File:	icp data	Batch:	345556	Time:	19-JUL-2024 18:06
Cal:	674289965001	Caldate:	19-JUL-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	0.003864	ND	0.50	u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	359055	349618	-2.63

u=use

Instrument ID: MET09

Label:	BLANK,QC1170951,345556	**Rack:Tube:**	3:1	**Type:**	Sample
Date Time:	7/19/2024 6:06:22 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	0.00047760	0.00047760	mg/L	381.83458646	0.00058780	123.07424730	20.77246827	5.44		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.02892370	0.02892370	mg/L	1432.30458906	0.00235300	8.13521054	39.05032839	2.73	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	nu	-0.00204282	-0.00204282	mg/L	12.73422434	0.00047459	23.23228653	0.81063819	6.37	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.00112065	0.00112065	mg/L	217.93124175	0.00057642	51.43642104	9.53166462	4.37	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.00145984	0.00145984	mg/L	247.19994445	0.00028383	19.44284946	10.37121623	4.20	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	0.00012070	0.00012070	mg/L	192.68934435	0.00005594	46.34466974	61.86440295	32.11	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	0.01991211	0.01991211	mg/L	1817.59170664	0.00007805	0.39198502	1.03048876	0.06	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	0.00045040	0.00045040	mg/L	36.60797925	0.00005554	12.33090622	3.52473047	9.63	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	0.00123902	0.00123902	mg/L	88.74499931	0.00003473	2.80330375	0.50760516	0.57	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.00052207	0.00052207	mg/L	84.45126219	0.00048444	92.79172211	13.95239253	16.52	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.00358744	0.00358744	mg/L	360.76792307	0.00172198	48.00021630	30.10236686	8.34	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	0.18620210	0.18620210	mg/L	4932.58305431	0.00159571	0.85697740	41.51166509	0.84	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	0.10443043	0.10443043	mg/L	85.69603430	0.03665127	35.09634748	56.13971994	65.51	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	nu	-0.00053713	-0.00053713	mg/L	-14.39822609	0.00048669	90.60954647	51.83383959	> 100.00	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	0.00172406	0.00172406	mg/L	68.01514746	0.00222053	128.79699297	5.09002003	7.48	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	0.00141227	0.00141227	mg/L	400.29876804	0.00014625	10.35547603	23.99202572	5.99	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	nu	0.00100369	0.00100369	mg/L	13.13045596	0.00133922	133.43001692	3.35062567	25.52	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	nu	-0.02287795	-0.02287795	mg/L	1254.06764996	0.00903854	39.50766786	100.82699294	8.04	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	0.00051222	0.00051222	mg/L	43.99044170	0.00032206	62.87581724	2.88394376	6.56	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	0.01256564	0.01256564	mg/L	2.79800173	0.01105343	87.96547890	1.32166743	47.24		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	0.00386375	0.00386375	mg/L	9.14103332	0.00260423	67.40147069	8.21760216	89.90	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	0.10133200	0.10133200	mg/L	115.25560845	0.00685581	6.76569149	3.60227275	3.13		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	nu	-0.00412372	-0.00412372	mg/L	-20.65606427	0.00311878	75.63017325	2.90503603	14.06	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.00595139	0.00595139	mg/L	22.50117374	0.00171498	28.81653779	1.86523151	8.29	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	0.05956838	0.05956838	mg/L	239.96177162	0.00840591	14.11137007	30.72878752	12.81		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	0.02164893	0.02164893	mg/L	88.81004555	0.00228628	10.56070033	7.46339436	8.40	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.00005615	0.00005615	mg/L	78.93807641	0.00003253	57.93069630	14.19895589	17.99	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	0.00157328	0.00157328	mg/L	468.51886743	0.00084663	53.81262761	131.96271845	28.17	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.00315930	0.00315930	mg/L	0.03236491	0.00065382	20.69510519	0.63238419	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	0.00039660	0.00039660	mg/L	51.43458896	0.00029477	74.32322184	4.73821656	9.21	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	0.02638869	0.02638869	mg/L	520.54253399	0.00016399	0.62142791	2.88562572	0.55	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.97	0.97	Ratio	349618.01	0.03	3.18	11113.84	3.18		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	190798.39	0.01	0.47	892.44	0.47		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 512356 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET09	Inst:	MET09
Seqnum:	674289965160.2	Seqnum:	674289965161.2
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1170952	Lab ID:	QC1170953
Matrix:	Wipe	Matrix:	Wipe
Batch:	345556	Batch:	345556
Time:	19-JUL-2024 18:09	Time:	19-JUL-2024 18:12
Cal:	674289965001	Cal:	674289965001
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	1.051	52.53	A	105	1.024	51.21	A	102	80-120	3	20	u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	359055	350222	-2.46

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	359055	350624	-2.35

u=use

Instrument ID: MET09

Label:	BS,QC1170952,345556	**Rack:Tube:**	3:2	**Type:**	Sample
Date Time:	7/19/2024 6:09:30 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	0.47146773	0.47146773	mg/L	17026.06438383	0.00302733	0.64210700	106.98305438	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.95293025	0.95293025	mg/L	16772.45679874	0.01389902	1.45855636	230.66752165	1.38	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	0.99373227	0.99373227	mg/L	1713.60056886	0.00419209	0.42185302	7.16038683	0.42	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.94641853	0.94641853	mg/L	15848.83271378	0.00684443	0.72319276	113.17836584	0.71	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.01626153	1.01626153	mg/L	37327.79672178	0.01927064	1.89622804	704.14312157	1.89	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.04555586	1.04555586	mg/L	1156410.15899334	0.01625273	1.55445795	17974.99319303	1.55	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	1.00590334	1.00590334	mg/L	14836.97691809	0.00602938	0.59939919	79.60291472	0.54	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.03175050	1.03175050	mg/L	65488.08403934	0.01207001	1.16985773	766.01669917	1.17	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.08249749	1.08249749	mg/L	15890.85251606	0.01265862	1.16939055	184.99713759	1.16	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.99645151	0.99645151	mg/L	28768.60191018	0.01035856	1.03954490	298.33934483	1.04	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.01871805	1.01871805	mg/L	18106.33063433	0.01189274	1.16742222	207.89993524	1.15	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.12487452	1.12487452	mg/L	29354.44206608	0.01391236	1.23679189	361.92361367	1.23	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	9.18601688	9.18601688	mg/L	13996.19606600	0.09053978	0.98562612	138.68219495	0.99	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.96474526	0.96474526	mg/L	102791.28584057	0.00373952	0.38761765	398.26885129	0.39	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	0.96649204	0.96649204	mg/L	2280.23634720	0.01134836	1.17418011	26.01330377	1.14	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.06058489	1.06058489	mg/L	174159.46491004	0.01451852	1.36891681	2381.77800393	1.37	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.01512605	1.01512605	mg/L	2550.46677761	0.01823206	1.79603925	45.61514315	1.79	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	1.29051186	1.29051186	mg/L	15904.81529317	0.01132080	0.87723320	126.28605332	0.79	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.03267205	1.03267205	mg/L	9286.63346698	0.00878723	0.85092169	78.68627751	0.85	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	0.02673952	0.02673952	mg/L	4.50083193	0.01580802	59.11856356	1.89017787	42.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.05054321	1.05054321	mg/L	3310.94799353	0.00653944	0.62248189	20.63512277	0.62	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	0.02266363	0.02266363	mg/L	73.97405925	0.00534089	23.56590608	2.80628194	3.79		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	0.95611132	0.95611132	mg/L	873.82680722	0.01400733	1.46503137	13.04735674	1.49	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.93181987	0.93181987	mg/L	1029.45924321	0.00022182	0.02380549	0.24125793	0.02	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	4.60257839	4.60257839	mg/L	16847.43599594	0.04778894	1.03830791	174.69794308	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	0.01922581	0.01922581	mg/L	80.90851139	0.00248118	12.90549111	8.09965256	10.01	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.99437393	0.99437393	mg/L	434153.31893268	0.00205517	0.20668003	897.18735418	0.21	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.02234576	1.02234576	mg/L	159575.50001425	0.01103665	1.07954149	1720.27073345	1.08	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.04390953	1.04390953	mg/L	1006.63148136	0.02622272	2.51197263	25.36296754	2.52	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.00071314	1.00071314	mg/L	16130.46668003	0.01335056	1.33410423	214.60288648	1.33	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.16412790	1.16412790	mg/L	20545.26778274	0.00701195	0.60233483	123.38718244	0.60	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.98	0.98	Ratio	350221.56	0.02	2.33	8148.54	2.33		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.07	1.07	Ratio	187924.12	0.01	0.65	1228.59	0.65		-	-	-	Fitted	-	-

Instrument ID: MET09

Label:	BSD,QC1170953,345556	**Rack:Tube:**	3:3	**Type:**	Sample
Date Time:	7/19/2024 6:12:38 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 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	0.46640730	0.46640730	mg/L	16847.24183130	0.00405630	0.86968944	143.34586015	0.85		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.92898254	0.92898254	mg/L	16374.78997645	0.01986668	2.13854163	329.70640099	2.01	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	0.96377985	0.96377985	mg/L	1662.43957754	0.01287035	1.33540345	21.98347109	1.32	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.92965471	0.92965471	mg/L	15571.65390368	0.01376424	1.48057537	227.60317140	1.46	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.99082839	0.99082839	mg/L	36398.47717418	0.02122041	2.14168356	775.38721412	2.13	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.01930424	1.01930424	mg/L	1127376.72264301	0.02603217	2.55391548	28790.74264939	2.55	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	0.97026383	0.97026383	mg/L	14366.38927413	0.00761834	0.78518245	100.58124151	0.70	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.01018321	1.01018321	mg/L	64119.29323903	0.01300834	1.28772110	825.56724810	1.29	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.05588974	1.05588974	mg/L	15501.98486575	0.02185111	2.06944989	319.33903835	2.06	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.97190968	0.97190968	mg/L	28061.75867882	0.01887285	1.94183159	543.56135987	1.94	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.00426760	1.00426760	mg/L	17853.73207635	0.02064430	2.05565721	360.88808397	2.02	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.08293980	1.08293980	mg/L	28263.43563140	0.02396895	2.21332267	623.54135108	2.21	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	8.90107223	8.90107223	mg/L	13559.74222383	0.07688603	0.86378388	117.76837630	0.87	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.93331678	0.93331678	mg/L	99444.04580486	0.00592685	0.63503078	631.22471417	0.63	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	0.93407480	0.93407480	mg/L	2205.88352784	0.00651022	0.69696999	14.92307257	0.68	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.03131838	1.03131838	mg/L	169358.21712571	0.02238148	2.17018163	3671.70371198	2.17	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	0.99606276	0.99606276	mg/L	2502.76861621	0.02562039	2.57216641	64.10014521	2.56	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	1.23890908	1.23890908	mg/L	15329.21771768	0.01447288	1.16819524	161.44819678	1.05	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.00426335	1.00426335	mg/L	9032.24169104	0.01832953	1.82517177	164.13391877	1.82	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	nu	0.01008481	0.01008481	mg/L	2.50909865	0.01028522	101.98724879	1.22981244	49.01		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.02417998	1.02417998	mg/L	3227.78392699	0.00919968	0.89824848	29.02947549	0.90	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	0.05309550	0.05309550	mg/L	89.96230024	0.00545597	10.27576449	2.86674868	3.19		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	0.95817037	0.95817037	mg/L	875.74114482	0.01831561	1.91151919	17.06037435	1.95	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.91138646	0.91138646	mg/L	1007.23774124	0.00454165	0.49832367	4.93954104	0.49	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	4.77646040	4.77646040	mg/L	17483.08429509	0.05722017	1.19796184	209.17491486	1.20		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	0.01920305	0.01920305	mg/L	80.83412459	0.00046736	2.43377318	1.52565940	1.89	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.96620988	0.96620988	mg/L	421858.10541772	0.01059333	1.09637932	4624.52582575	1.10	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.00256484	1.00256484	mg/L	156492.25909779	0.02898520	2.89110479	4517.89328891	2.89	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.01634136	1.01634136	mg/L	979.96849353	0.02594474	2.55275806	25.09409587	2.56	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	0.98086344	0.98086344	mg/L	15811.42412514	0.02221143	2.26447699	357.03652978	2.26	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.15268171	1.15268171	mg/L	20343.60369071	0.01205878	1.04615003	212.19480574	1.04	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.98	0.98	Ratio	350623.65	0.03	2.81	9837.88	2.81		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.10	1.10	Ratio	193135.27	0.01	0.97	1880.75	0.97		-	-	-	Fitted	-	-

ENTHALPY INITIAL CALIBRATION FOR 512356 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	674289965001	Date:	19-JUL-2024 08:50
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	674289965004	L1	19-JUL-2024 08:54	S21190
L2	icp data	674289965005	L2	19-JUL-2024 08:57	S21189
L3	icp data	674289965006	L3	19-JUL-2024 09:00	S21188
L4	icp data	674289965007	L4	19-JUL-2024 09:03	S21187
L5	icp data	674289965008	L5	19-JUL-2024 09:06	S21186
L6	icp data	674289965009	L6	19-JUL-2024 09:09	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00152	3.19E-4		2886.8	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	2328.1	2392.9	3192.5	3159.7	3102.5	3145.0

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	20	0.0100	-9	0.1000	3	1.0000	1	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET09		
Calnum:	674289965001	Cal Date:	19-JUL-2024

- ICV 674289965012 (19-JUL-2024) stds: S21181

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	0.9840	mg/L	-2	10	

Instrument ID: MET09

Label:	ICALBLK	**Rack:Tube:**	S1:1	**Type:**	BLK
Date Time:	7/19/2024 8:50:58 AM	**%RSE:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**Correlation coefficient:**	-
%RSE limit:	-	**Calibration Coefficient [1]:**	-	**Calibration Coefficient [2]:**	-
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	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n!	0.00000000	0.00000000	mg/L	364.97995778	-	-	22.19174333	6.08	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	339.45689633	379.71720922
Al 396.152	Al	n!	0.00000000	0.00000000	mg/L	962.21207936	-	-	23.46439848	2.44	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	961.67624362	985.93980661
As 188.980	As	n!	0.00000000	0.00000000	mg/L	14.88437122	-	-	2.67433883	17.97	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	14.39499196	12.48851752
B 249.678	B	n!	0.00000000	0.00000000	mg/L	207.17233009	-	-	11.07406135	5.35	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	219.30966805	197.61817619
Ba 230.424	Ba	n!	0.00000000	0.00000000	mg/L	217.22358437	-	-	10.56212587	4.86	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	205.77762854	219.29949851
Be 313.107	Be	n!	0.00000000	0.00000000	mg/L	123.37388779	-	-	34.10666779	27.65	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	88.28569731	156.40600919
Ca 317.933	Ca-R	n!	0.00000000	0.00000000	mg/L	1598.02536170	-	-	10.02895658	0.63	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	1609.19370127	1595.0928166
Cd 214.439	Cd	n!	0.00000000	0.00000000	mg/L	9.25373337	-	-	3.51566733	37.99	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	5.74133871	12.77266425
Co 230.786	Co	n!	0.00000000	0.00000000	mg/L	84.79963865	-	-	9.00831845	10.62	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	91.42733891	88.42877010
Cr 267.716	Cr	n!	0.00000000	0.00000000	mg/L	67.94708156	-	-	2.58018434	3.80	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	70.77239620	65.71555360
Cu 324.754	Cu	n!	0.00000000	0.00000000	mg/L	318.33946782	-	-	18.82060356	5.91	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	299.06058239	319.29222238
Fe 259.940	Fe	n!	0.00000000	0.00000000	mg/L	56.44659037	-	-	11.44151892	20.27	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	69.24082624	52.90236601
K 766.491	K-R	n!	0.00000000	0.00000000	mg/L	144.14879163	-	-	14.80947543	10.27	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	134.91916029	136.29641068
Li 670.783	Li-R	n!	Error	Error	mg/L	79304.90694690	-	-	200.95038936	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	79151.22093225	79231.195925
Mg 279.800	Mg-R	n!	0.00000000	0.00000000	mg/L	44.26348406	-	-	14.16802918	32.01	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	52.07687229	27.90904823
Mn 257.610	Mn	n!	0.00000000	0.00000000	mg/L	174.83792958	-	-	6.91283238	3.95	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	171.59045602	182.77654467
Mo 204.598	Mo	n!	0.00000000	0.00000000	mg/L	14.15348102	-	-	3.20839950	22.67	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	12.82633221	17.81252439
Na 589.592	Na-R	n!	0.00000000	0.00000000	mg/L	1455.61649205	-	-	185.64951990	12.75	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	1627.46447554	1480.6742428
Ni 231.604	Ni	n!	0.00000000	0.00000000	mg/L	50.48025230	-	-	11.24003913	22.27	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	39.62963859	62.07294241
P 177.434	P	n!	0.00000000	0.00000000	mg/L	1.29498377	-	-	0.31187813	24.08	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	1.64857002	1.05902527
Pb 220.353	Pb	n!	0.00000000	0.00000000	mg/L	-4.72354097	-	-	8.56980367	> 100.00	Y (371.029 nm)	Linear	Off-Peak Right	0.00000000	0.00000000	0.00000000	3.85085200	-13.28874795
S 181.972	S	n!	0.00000000	0.00000000	mg/L	62.01187901	-	-	1.37289973	2.21	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	62.45714798	63.10687699
Sb 206.834	Sb	n!	0.00000000	0.00000000	mg/L	-20.61685032	-	-	7.81564462	37.91	Y (371.029 nm)	Linear	Off-Peak Right	0.00000000	0.00000000	0.00000000	-13.63791331	-19.15100555
Se 196.026	Se	n!	0.00000000	0.00000000	mg/L	16.01568341	-	-	4.64357601	28.99	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	12.14185771	14.74200380
Si 251.611	Si	n!	0.00000000	0.00000000	mg/L	22.21608230	-	-	8.22471190	37.02	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	14.40791583	30.80207627
Sn 189.925	Sn	n!	0.00000000	0.00000000	mg/L	19.45912812	-	-	1.18798723	6.11	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	18.10617241	19.93952744
Sr 421.552	Sr-R	n!	0.00000000	0.00000000	mg/L	65.33034669	-	-	15.20940043	23.28	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	80.21024473	65.96921793
Ti 334.941	Ti	n!	0.00000000	0.00000000	mg/L	255.42403054	-	-	32.82190970	12.85	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	291.45940443	247.57328156
Tl 190.794	Tl	n!	0.00000000	0.00000000	mg/L	3.77617130	-	-	1.97780466	52.38	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	2.60701302	2.66177636
V 292.401	V	n!	0.00000000	0.00000000	mg/L	46.41643167	-	-	5.46633873	11.78	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	42.55297978	44.02540806
Zn 206.200	Zn	n!	0.00000000	0.00000000	mg/L	63.67328264	-	-	3.43648423	5.40	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	62.14467124	61.26632136
Y 371.029	Y	!	1.00	1.00	Ratio	359055.40	0.00	0.00	4117.87	1.15	-	-	Fitted	1.00	1.00	1.00	354927.40	359075.72
Y 371.029	Y-R	!	1.00	1.00	Ratio	174829.98	0.00	0.00	2159.31	1.24	-	-	Fitted	1.00	1.00	1.00	176483.72	175619.12

Instrument ID: MET09

Label:	ICAL,L1,S21190	Rack:Tube:	S1:2	Type:	STD
Date Time:	7/19/2024 8:54:05 AM	%RSE:		Weight:	-
Volume:	-	Dilution:	-	Correlation coefficient:	-
%RSE limit:	-	Calibration Coefficient [1]:	-	Calibration Coefficient [2]:	-
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	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n			mg/L	363.94232978	-	-	28.73350423	7.90	Y (371.029 nm)	Linear	Fitted				396.82815902	351.30808186
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	1085.95482223	-	-	16.97353159	1.56	Y (371.029 nm)	Linear	Fitted	0.00666667	0.00666667	0.00666667	1105.55023503	1075.81708288
As 188.980	As	n	0.00333333	0.00333333	mg/L	23.61397677	-	-	2.00320172	8.48	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	22.62875733	25.91899486
B 249.678	B	n	0.00333333	0.00333333	mg/L	256.53870325	-	-	9.22946582	3.60	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	263.15236047	260.46911810
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	313.98795811	-	-	9.38315414	2.99	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	303.29351160	317.83012591
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	963.84841425	-	-	74.92785015	7.77	Y (371.029 nm)	Linear	Fitted	0.00100000	0.00100000	0.00100000	906.94926331	935.85290406
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	1902.83322455	-	-	22.80969364	1.20	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	1879.14926130	1924.65441143
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	112.07962089	-	-	4.39720838	3.92	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	109.80635389	109.28438023
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	88.18385092	-	-	12.27453825	13.92	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	74.59891278	98.47651727
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	165.73474021	-	-	1.20041929	0.72	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	166.96504474	164.56662362
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	395.41392977	-	-	7.32255378	1.85	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	398.00194918	401.09103263
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	296.08435508	-	-	7.42462256	2.51	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00666667	0.00666667	0.00666667	288.09088766	297.39717766
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	186.36846738	-	-	36.35412546	19.51	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	196.40875899	146.04935776
Li 670.783	Li-R	n	Error	Error	mg/L	78396.45721924	-	-	627.21904310	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	78369.16462559	79036.87705075
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	136.52974123	-	-	6.44289704	4.72	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	130.01388335	142.89711053
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	705.30922590	-	-	8.56834810	1.21	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	714.96176439	698.60200883
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	19.83121352	-	-	1.96168795	9.89	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	17.90963362	19.75331793
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	2242.61587899	-	-	172.61754638	7.70	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	2338.45683497	2346.04830215
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	71.50122274	-	-	5.63504251	7.88	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	77.41607202	70.89212143
P 177.434	P	n			mg/L	2.07708925	-	-	0.48426701	23.31	Y (371.029 nm)	Linear	Fitted				2.61797514	1.92951359
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	7.76025397	-	-	2.79823538	36.06	Y (371.029 nm)	Linear	Off-Peak Right	0.00333333	0.00333333	0.00333333	8.16251120	4.78265943
S 181.972	S	n			mg/L	60.71995295	-	-	1.39783626	2.30	Y (371.029 nm)	Linear	Fitted				59.26817547	62.05674498
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	-7.30385265	-	-	1.31351189	17.98	Y (371.029 nm)	Linear	Off-Peak Right	0.01000010	0.01000010	0.01000010	-7.19123101	-6.05027769
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	28.77277560	-	-	5.49088586	19.08	Y (371.029 nm)	Linear	Fitted	0.01000001	0.01000001	0.01000001	24.85853299	26.41030709
Si 251.611	Si	n			mg/L	39.16073223	-	-	5.22617560	13.35	Y (371.029 nm)	Linear	Fitted				33.76327971	44.19688039
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	21.46289249	-	-	3.10741577	14.48	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	18.15117180	21.92275436
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	7100.96624732	-	-	70.28944083	0.99	Y-R (371.029 nm)	Linear	Fitted	0.01666667	0.01666667	0.01666667	7112.16723438	7164.98262609
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	742.77401114	-	-	28.99247092	3.90	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	722.99836943	776.05534320
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	8.26642698	-	-	3.44280722	41.65	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	4.29643854	10.07165622
V 292.401	V	n	0.00166667	0.00166667	mg/L	71.92884289	-	-	5.78672725	8.05	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00166667	0.00166667	0.00166667	67.15311334	78.36399289
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	210.47426664	-	-	6.87078346	3.26	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	203.64836605	210.38536367
Y 371.029	Y		1.00	1.00	Ratio	360387.51	0.01	0.98	3524.79	0.98	-	-	Fitted	0.99	1.00	1.01	356995.03	360136.34
Y 371.029	Y-R		1.02	1.02	Ratio	177459.50	0.01	0.81	1439.54	0.81	-	-	Fitted	1.02	1.01	1.02	177791.64	175882.92

Instrument ID: MET09

Label:	ICAL,L2,S21189	Rack:Tube:	S1:3	Type:	STD
Date Time:	7/19/2024 8:57:12 AM	%RSE:		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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	374.14831364	-	-	10.26281049	2.74	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	1255.32503538	-	-	18.50372446	1.47	Y (371.029 nm)	Linear	1.00000	Fitted	962.212079357998	18561.4132871001	0.02000000	0.0200000
As 188.980	As	n	0.01000000	0.01000000	mg/L	36.72222079	-	-	4.06094986	11.06	Y (371.029 nm)	Linear	1.00000	Fitted	14.8843712238504	2618.88192571454	0.01000000	0.0100000
B 249.678	B	n	0.01000000	0.01000000	mg/L	343.66349882	-	-	23.43734771	6.82	Y (371.029 nm)	Linear	1.00000	Fitted	207.172330087222	14809.9134292412	0.01000000	0.0100000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	540.16571210	-	-	10.03693760	1.86	Y (371.029 nm)	Linear	1.00000	Fitted	217.223584366005	29029.3150261547	0.01000000	0.0100000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3172.38504241	-	-	103.10930931	3.25	Y (371.029 nm)	Linear	1.00000	Fitted	123.373887790645	840474.526458203	0.00300000	0.0030000
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	2771.35200358	-	-	19.90961279	0.72	Y-R (371.029 nm)	Linear	1.00000	Fitted	1598.02536170128	9144.2359770433	0.10000000	0.1000000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	325.13488498	-	-	1.97317531	0.61	Y (371.029 nm)	Linear	1.00000	Fitted	9.25373336592902	61695.5201732795	0.00500000	0.0050000
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	133.18857772	-	-	19.11626318	14.35	Y (371.029 nm)	Linear	1.00000	Fitted	84.7996386477886	2030.52695536199	0.00500000	0.0050000
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	354.50282373	-	-	16.59362795	4.68	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	67.9470815606015	29336.3005286361	0.01000000	0.0100000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	442.57297897	-	-	6.43656721	1.45	Y (371.029 nm)	Linear	1.00000	Fitted	318.339467819208	23122.3408967971	0.01000000	0.0100000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	568.12184978	-	-	10.45563779	1.84	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	56.4465903725344	35945.6683012856	0.02000000	0.0200000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	335.43307032	-	-	39.78140617	11.86	Y-R (371.029 nm)	Linear	1.00000	Fitted	144.148791629278	633.295133113755	0.20000000	0.2000000
Li 670.783	Li-R	n	Error	Error	mg/L	78494.90883350	-	-	945.72191182	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	282.46901858	-	-	9.95832963	3.53	Y-R (371.029 nm)	Linear	1.00000	Fitted	44.2634840641363	2767.98799162542	0.10000000	0.1000000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	1810.65961412	-	-	28.74758128	1.59	Y (371.029 nm)	Linear	1.00000	Fitted	174.837929579079	159141.404810112	0.01000000	0.0100000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	34.26416348	-	-	1.62355524	4.74	Y (371.029 nm)	Linear	1.00000	Fitted	14.1534810163431	1703.31992081296	0.01000000	0.0100000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	3661.17526190	-	-	115.72659076	3.16	Y-R (371.029 nm)	Linear	1.00000	Fitted	1455.61649204933	11804.9902138491	0.20000000	0.2000000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	127.26257378	-	-	3.39904509	2.67	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	50.4802523048434	6306.2917604469	0.01000000	0.0100000
P 177.434	P	n			mg/L	1.82563743	-	-	0.55639014	30.48	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	23.92885690	-	-	8.20871093	34.30	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-4.72354097138791	3745.13885780492	0.01000000	0.0100000
S 181.972	S	n			mg/L	55.39137133	-	-	2.79345876	5.04	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	10.80975061	-	-	5.26128170	48.67	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-20.6168503199152	1331.28645439202	0.03000030	0.0300003
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	50.23338885	-	-	4.19334408	8.35	Y (371.029 nm)	Linear	1.00000	Fitted	16.0156834130219	1275.70794289848	0.03000003	0.0300000
Si 251.611	Si	n			mg/L	37.31530904	-	-	11.78741823	31.59	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	46.79979644	-	-	10.34149494	22.10	Y (371.029 nm)	Linear	1.00000	Fitted	19.4591281215984	601.129369179715	0.01000000	0.0100000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	21661.83601712	-	-	209.14345434	0.97	Y-R (371.029 nm)	Linear	1.00000	Fitted	65.3303466853394	422138.145595235	0.05000000	0.0500000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	1768.57100602	-	-	21.62218380	1.22	Y (371.029 nm)	Linear	1.00000	Fitted	255.424030537297	146205.00880276	0.01000000	0.0100000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	21.42812510	-	-	1.58801952	7.41	Y (371.029 nm)	Linear	1.00000	Fitted	3.77617130371781	449.021077001514	0.03000030	0.0300003
V 292.401	V	n	0.00500000	0.00500000	mg/L	125.57064978	-	-	1.99976107	1.59	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	46.416431666421	15307.4436703558	0.00500000	0.0050000
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	569.14914112	-	-	7.33523870	1.29	Y (371.029 nm)	Linear	1.00000	Fitted	63.6732826437995	14679.9516001292	0.03000030	0.0300003
Y 371.029	Y		1.00	1.00	Ratio	358834.46	0.01	0.73	2628.96	0.73	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.01	1.01	Ratio	176982.26	0.01	1.15	2034.15	1.15	-	-	-	Fitted	-	-	1.02	1.02

Instrument ID: MET09

Label: ICAL,L3,S21188 | Rack:Tube: S1:4 | Type: STD
Date Time: 7/19/2024 9:00:19 AM | %RSE: | 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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentrati Replicate 2
Ag 328.068	Ag	n			mg/L	367.66775631	-	-	6.59522775	1.79	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	4117.70924180	-	-	102.15525611	2.48	Y (371.029 nm)	Linear	0.99495	Fitted	978.954725950544	14078.8090822431	0.20000000	0.20000
As 188.980	As	n	0.10000000	0.10000000	mg/L	176.39437754	-	-	4.86345186	2.76	Y (371.029 nm)	Linear	0.99720	Fitted	15.6506954162074	2195.50219495926	0.10000000	0.10000
B 249.678	B	n	0.10000000	0.10000000	mg/L	1758.90101991	-	-	44.79190566	2.55	Y (371.029 nm)	Linear	0.99950	Fitted	208.748354550586	13844.4829441568	0.10000000	0.10000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	3821.63029327	-	-	109.96161863	2.88	Y (371.029 nm)	Linear	0.99931	Fitted	211.784787482819	32592.5240225719	0.10000000	0.10000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	33092.12741150	-	-	1016.32199702	3.07	Y (371.029 nm)	Linear	0.99799	Fitted	104.72312888691	994144.547020368	0.03000000	0.03000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	14797.80598858	-	-	87.85875265	0.59	Y-R (371.029 nm)	Linear	0.99677	Fitted	1588.5237143122	11641.0496182758	1.00000000	1.00000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	3178.00883939	-	-	106.06274414	3.34	Y (371.029 nm)	Linear	0.99996	Fitted	8.4487502682764	63311.8696613115	0.05000000	0.05000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	763.80489622	-	-	18.82487699	2.46	Y (371.029 nm)	Linear	0.96356	Fitted	81.7665452537198	8918.55194177168	0.05000000	0.05000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	2896.33322090	-	-	97.02197247	3.35	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	68.234865560757	29221.9339941116	0.10000000	0.10000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	1883.46998715	-	-	55.12270239	2.93	Y (371.029 nm)	Linear	0.94660	Fitted	357.391515179318	8746.52490726308	0.10000000	0.10000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	5299.29095457	-	-	173.90133538	3.28	Y (371.029 nm)	Linear	0.98823	Off-Peak Left+Right	104.502038136545	24184.2569773302	0.20000000	0.20000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	2882.59713421	-	-	9.31473584	0.32	Y-R (371.029 nm)	Linear	0.99259	Fitted	142.173982129134	930.671158163711	2.00000000	2.00000
Li 670.783	Li-R	n	Error	Error	mg/L	87873.18851929	-	-	380.18320314	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	2378.76442525	-	-	8.74363323	0.37	Y-R (371.029 nm)	Linear	0.99815	Fitted	56.4088945611065	2290.6022758309	1.00000000	1.00000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	16929.18015654	-	-	551.18457148	3.26	Y (371.029 nm)	Linear	0.99995	Fitted	172.309071232442	161648.375403688	0.10000000	0.10000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	252.96425468	-	-	11.92677234	4.71	Y (371.029 nm)	Linear	0.99843	Fitted	13.3458070973032	2081.49462070041	0.10000000	0.10000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	24100.26171965	-	-	210.08648084	0.87	Y-R (371.029 nm)	Linear	0.99965	Fitted	1481.1624427323	10924.8806093918	2.00000000	2.00000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	924.46409795	-	-	25.06859870	2.71	Y (371.029 nm)	Linear	0.99786	Off-Peak Left+Right	46.1615569460837	8090.35470249182	0.10000000	0.10000
P 177.434	P	n			mg/L	1.22388784	-	-	1.10880901	90.60	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	319.24694397	-	-	10.76086240	3.37	Y (371.029 nm)	Linear	0.99328	Off-Peak Right	-1.72918909204478	2703.17113717322	0.10000000	0.10000
S 181.972	S	n			mg/L	54.84208927	-	-	3.01883160	5.50	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	256.32101355	-	-	12.14410377	4.74	Y (371.029 nm)	Linear	0.99479	Off-Peak Right	-17.0002232706132	954.304886480594	0.30000300	0.30000
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	329.92261208	-	-	9.06798583	2.75	Y (371.029 nm)	Linear	0.99902	Fitted	16.4816221972857	1131.39052370671	0.30000030	0.30000
Si 251.611	Si	n			mg/L	28.86407031	-	-	6.01965682	20.86	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	326.13770521	-	-	12.27677689	3.76	Y (371.029 nm)	Linear	0.96439	Fitted	19.1573433297411	1620.81318426857	0.10000000	0.10000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	220688.27466743	-	-	789.11233788	0.36	Y-R (371.029 nm)	Linear	0.99996	Fitted	62.7890124382191	427175.577450209	0.50000000	0.50000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	15508.25802139	-	-	476.62356478	3.07	Y (371.029 nm)	Linear	0.99992	Fitted	246.503778842501	152013.161446641	0.10000000	0.10000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	236.56116999	-	-	28.55128654	12.07	Y (371.029 nm)	Linear	0.99628	Fitted	3.51415676260836	594.311071504061	0.30000300	0.30000
V 292.401	V	n	0.05000000	0.05000000	mg/L	825.48006930	-	-	20.75442438	2.51	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	46.0483520762673	15899.5334195433	0.05000000	0.05000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	5493.97913416	-	-	186.70786571	3.40	Y (371.029 nm)	Linear	0.99888	Fitted	60.7508433922791	16724.5239111668	0.30000300	0.30000
Y 371.029	Y		1.00	1.00	Ratio	358642.19	0.01	1.08	3886.35	1.08	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.01	1.01	Ratio	177427.62	0.01	0.50	894.74	0.50	-	-	-	Fitted	-	-	1.02	1.01

Instrument ID: MET09

Label: ICAL,L4,S21187 | Rack:Tube: S1:5 | Type: STD
Date Time: 7/19/2024 9:03:26 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	n			mg/L	379.17426507	-	-	7.48895972	1.98		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	33352.41621699	-	-	874.00770099	2.62	18.16087866	Y (371.029 nm)	Linear	0.99994	Fitted	964.753664540727	15556.9224416249
As 188.980	As	n	1.00000000	1.00000000	mg/L	1728.63512532	-	-	36.54986128	2.11	25.22960711	Y (371.029 nm)	Linear	0.99948	Fitted	17.5111649919239	1595.0529075507
B 249.678	B	n	1.00000000	1.00000000	mg/L	16671.03434773	-	-	371.53732793	2.23	10.20629544	Y (371.029 nm)	Linear	0.99993	Fitted	204.531064376091	15489.1044495241
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	37643.24326867	-	-	841.61562764	2.24	6.09653216	Y (371.029 nm)	Linear	0.99996	Fitted	202.145283880374	34802.853259603
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	345430.73702237	-	-	13632.06886539	3.95	16.90856747	Y (371.029 nm)	Linear	0.99997	Fitted	84.2079386756121	1047893.749732
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	136199.40041528	-	-	1082.31675026	0.79	22.23258509	Y-R (371.029 nm)	Linear	0.99994	Fitted	1560.28451398515	13016.0508222391
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	32522.74794776	-	-	835.48634904	2.57	1.77973342	Y (371.029 nm)	Linear	1.00000	Fitted	8.4197642715103	63320.3391240832
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	7531.30460432	-	-	204.01591599	2.71	52.14699616	Y (371.029 nm)	Linear	0.99959	Fitted	76.5735800516462	13703.9286285143
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	28929.36078509	-	-	646.40978297	2.23	2.29917256	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	69.276910178993	28843.3319946207
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	17707.48445305	-	-	422.08413734	2.38	58.82273291	Y (371.029 nm)	Linear	0.99951	Fitted	319.854921853639	14509.0305085988
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	53344.36286425	-	-	1400.01507531	2.62	20.36609012	Y (371.029 nm)	Linear	0.99991	Off-Peak Left+Right	98.2104326896458	24930.7662522956
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	31218.96675455	-	-	140.61140020	0.45	45.95080292	Y-R (371.029 nm)	Linear	0.99964	Fitted	129.819603222248	1376.15941384177
Li 670.783	Li-R	n	Error	Error	mg/L	181851.00599162	-	-	636.99925085	N/A	397.06943705	Y-R (371.029 nm)	Linear	0.98702	FACT	79140.723505923	86953.1139435406
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	23273.86946987	-	-	217.83347019	0.94	5.75346723	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.9150930632287	2323.73298867422
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	168757.98982973	-	-	4141.01427195	2.45	3.49569814	Y (371.029 nm)	Linear	1.00000	Fitted	170.899196487081	162553.857583301
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	2522.49153393	-	-	99.32141633	3.94	6.41701642	Y (371.029 nm)	Linear	0.99990	Fitted	11.5991288797392	2364.87019631795
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	227239.33835462	-	-	1201.10790029	0.53	7.48910714	Y-R (371.029 nm)	Linear	0.99999	Fitted	1432.10702862541	11329.3755390695
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	9116.18879398	-	-	196.07045395	2.15	4.58247509	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	41.0599482734502	8763.97350403018
P 177.434	P	n			mg/L	1.93945554	-	-	0.61303780	31.61		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	3159.68700146	-	-	78.33407029	2.48	15.69343061	Y (371.029 nm)	Linear	0.99989	Off-Peak Right	-3.61521328616331	3223.66274173881
S 181.972	S	n			mg/L	65.01425498	-	-	5.08246540	7.82		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	2752.69563237	-	-	71.16183240	2.59	1.30769596	Y (371.029 nm)	Linear	0.99989	Off-Peak Right	-16.5287772407878	910.647739704845
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	3273.95126800	-	-	93.18703564	2.85	6.87328767	Y (371.029 nm)	Linear	0.99996	Fitted	17.7527867131493	1042.61863117792
Si 251.611	Si	n			mg/L	86.91603491	-	-	5.30231256	6.10		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	3325.43796861	-	-	87.01706575	2.62	70.39556802	Y (371.029 nm)	Linear	0.99974	Fitted	18.4329525695178	3037.30831039163
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	2206479.80782784	-	-	26750.80761817	1.21	3.82654337	Y-R (371.029 nm)	Linear	1.00000	Fitted	52.3139725472976	438259.615299443
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	160172.98029475	-	-	5495.79958690	3.43	1.97192337	Y (371.029 nm)	Linear	1.00000	Fitted	245.250381066555	152230.532330726
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	2827.98385584	-	-	163.41543362	5.78	19.63095222	Y (371.029 nm)	Linear	0.99977	Fitted	2.21831986360748	672.370342074447
V 292.401	V	n	0.50000000	0.50000000	mg/L	8125.94640528	-	-	211.37006891	2.60	5.03643644	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.2074083133995	15615.6543942887
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	56526.26094178	-	-	1200.45349199	2.12	12.91182254	Y (371.029 nm)	Linear	0.99998	Fitted	59.5245189053848	16936.0589673546
Y 371.029	Y		0.97	0.97	Ratio	349017.70	0.01	0.93	3249.81	0.93		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	174333.99	0.00	0.19	337.76	0.19		-	-	-	Fitted	-	-

Instrument ID: MET09

Label: ICAL,L5,S21186 | **Rack:Tube:** S1:6 | **Type:** STD

Date Time: 7/19/2024 9:06:33 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 Coefficie
Ag 328.068	Ag	n			mg/L	374.92203083	-	-	32.48244536	8.66		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	168880.81271192	-	-	7335.03959757	4.34	13.99969382	Y (371.029 nm)	Linear	1.00000	Fitted	960.425754761328	15920.89037
As 188.980	As	n	5.00000000	5.00000000	mg/L	8594.05130597	-	-	315.85207562	3.68	22.58613589	Y (371.029 nm)	Linear	0.99997	Fitted	16.6696384219347	1673.247887
B 249.678	B	n	5.00000000	5.00000000	mg/L	83540.80957738	-	-	2961.05233447	3.54	8.91668275	Y (371.029 nm)	Linear	0.99999	Fitted	201.814688019912	16078.47927
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	182975.87093850	-	-	7004.60393359	3.83	4.36421721	Y (371.029 nm)	Linear	0.99999	Fitted	195.490995727944	36203.09813
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	1707130.97075665	-	-	67599.52967606	3.96	13.48476906	Y (371.029 nm)	Linear	0.99999	Fitted	74.3698513854962	1070933.009
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	664310.84021461	-	-	4655.11352870	0.70	15.85112864	Y-R (371.029 nm)	Linear	1.00000	Fitted	1555.31659274383	13183.17362
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	157006.74913734	-	-	6150.98194245	3.92	1.86366898	Y (371.029 nm)	Linear	1.00000	Fitted	7.4852548622755	63585.87894
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	36936.86528975	-	-	1336.62565317	3.62	27.67750028	Y (371.029 nm)	Linear	0.99997	Fitted	72.8031510207111	14305.65717
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	141634.94956417	-	-	5823.01489554	4.11	1.64854213	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	69.2544383476762	28851.41407
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	91257.05237133	-	-	3614.16690114	3.96	46.36083998	Y (371.029 nm)	Linear	0.99995	Fitted	306.908030335802	16295.25675
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	262333.93342270	-	-	10288.07409288	3.92	14.92542793	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	92.1965537907096	25611.22164
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	159532.07567952	-	-	754.05326395	0.47	64.84959703	Y-R (371.029 nm)	Linear	0.99994	Fitted	-1.33842819964593	1478.422459
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	530134.77461515	-	-	2165.86022464	0.41	190.14034012	Y-R (371.029 nm)	Linear	0.99986	FACT	78849.7620832885	102643.8651
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	113617.48247275	-	-	698.69713510	0.61	4.00726549	Y-R (371.029 nm)	Linear	1.00000	Fitted	55.0069290761335	2323.389577
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	814011.16483468	-	-	35735.94039153	4.39	2.89473347	Y (371.029 nm)	Linear	1.00000	Fitted	168.801865645425	163855.5004
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	12634.66836304	-	-	642.62655050	5.09	7.09355972	Y (371.029 nm)	Linear	0.99999	Fitted	10.9924247194882	2450.131500
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	1108336.65778318	-	-	7003.83124011	0.63	4.49179181	Y-R (371.029 nm)	Linear	1.00000	Fitted	1443.73746109947	11297.82767
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	44484.12734287	-	-	1571.85061866	3.53	5.74262424	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	39.32780834677	8962.197807
P 177.434	P	n			mg/L	-0.46465740	-	-	0.71228657	> 100.00		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	15512.71531610	-	-	586.46720469	3.78	10.70548816	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-3.27551732640742	3182.507612
S 181.972	S	n			mg/L	77.50478979	-	-	1.09936382	1.42		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	14130.48717294	-	-	579.86642151	4.10	1.46876981	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-16.6570712169235	920.0462030
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	16232.72140710	-	-	612.02811654	3.77	8.62928974	Y (371.029 nm)	Linear	0.99999	Fitted	16.9379838790961	1065.155216
Si 251.611	Si	n			mg/L	370.99437538	-	-	41.01072695	11.05		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	16307.44798972	-	-	687.38678822	4.22	50.00413353	Y (371.029 nm)	Linear	0.99998	Fitted	18.2091735473685	3216.330371
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	10864237.51476880	-	-	139338.41206657	1.28	2.77490095	Y-R (371.029 nm)	Linear	1.00000	Fitted	52.0909948867539	438454.0492
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	791590.66326447	-	-	40392.00134381	5.10	2.91361296	Y (371.029 nm)	Linear	0.99999	Fitted	234.915221708938	153945.5571
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	14532.05577515	-	-	855.42350021	5.89	13.88375811	Y (371.029 nm)	Linear	0.99987	Fitted	-0.550311052366677	829.1748963
V 292.401	V	n	2.50000000	2.50000000	mg/L	40087.95869710	-	-	1680.80714933	4.19	2.34810960	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	46.0226584502298	15881.97388
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	269808.91381166	-	-	10415.35549048	3.86	10.41770912	Y (371.029 nm)	Linear	0.99999	Fitted	56.3229388724864	17451.95760
Y 371.029	Y		0.94	0.94	Ratio	338419.88	0.01	0.90	3035.00	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	170742.99	0.00	0.33	555.09	0.33		-	-	-	Fitted	-	-

Instrument ID: MET09

Label: ICAL,L6,S21166 | **Rack:Tube:** S1:7 | **Type:** STD
Date Time: 7/19/2024 9:09:41 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 [
Ag 328.068	Ag	n			mg/L	385.99221710	-	-	31.09056530	8.05		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	358922.04903953	-	-	9490.02233803	2.64	12.09871576	Y (371.029 nm)	Linear	0.99997	Fitted	958.606091969156	16068.4371585
As 188.980	As	n	10.00000000	10.00000000	mg/L	17619.96696012	-	-	379.25070186	2.15	19.02969642	Y (371.029 nm)	Linear	1.00000	Fitted	16.571063992883	1681.08939674
B 249.678	B	n	10.00000000	10.00000000	mg/L	170747.90584096	-	-	3192.70408943	1.87	7.68219138	Y (371.029 nm)	Linear	1.00000	Fitted	201.242732711397	16191.9198134
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	370648.43420118	-	-	7568.50121180	2.04	3.56383382	Y (371.029 nm)	Linear	0.99999	Fitted	195.216412454505	36260.0366123
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	3462257.92685894	-	-	84829.34217632	2.45	11.40813362	Y (371.029 nm)	Linear	1.00000	Fitted	69.0030349561606	1083352.59320
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	1320929.78178038	-	-	7273.58727484	0.55	12.94151607	Y-R (371.029 nm)	Linear	0.99999	Fitted	1554.56790086653	13207.3346289
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	315522.31865298	-	-	7329.70135054	2.32	1.72086661	Y (371.029 nm)	Linear	0.99997	Fitted	7.67184983341667	63533.0005791
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	74454.68938341	-	-	1431.17097960	1.92	21.24114765	Y (371.029 nm)	Linear	1.00000	Fitted	72.0974372024555	14405.7190622
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	288607.91645560	-	-	6869.38025151	2.38	1.52206158	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	69.448823731941	28781.6201673
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	192051.76962415	-	-	4268.66439966	2.22	38.87701520	Y (371.029 nm)	Linear	0.99996	Fitted	304.444732619065	16627.8686436
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	530881.27409512	-	-	10682.57650859	2.01	12.25053589	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	91.3381026650265	25707.7186384
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	325808.31632478	-	-	2473.32066494	0.76	82.67418864	Y-R (371.029 nm)	Linear	0.99999	Fitted	-56.727482912851	1519.02436001
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	1068747.51050468	-	-	4130.16361626	0.39	4.68988662	Y-R (371.029 nm)	Linear	1.00000	FACT	44.2461746901107	106227.703819
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	227696.32344000	-	-	825.41144994	0.36	2.23108954	Y-R (371.029 nm)	Linear	0.99999	Fitted	59.7282056270975	2306.81129209
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	1656111.36276520	-	-	44522.21031530	2.69	2.41917526	Y (371.029 nm)	Linear	0.99997	Fitted	168.920742039835	163781.999454
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	25784.21415300	-	-	999.83175605	3.88	6.36142390	Y (371.029 nm)	Linear	1.00000	Fitted	10.8508944279027	2469.51151592
Na 589.592	Na-R	n	200.00000000	200.00000000	mg/L	2231971.37774425	-	-	1966.25816084	0.09	2.13385107	Y-R (371.029 nm)	Linear	0.99999	Fitted	1483.06327872274	11211.2969087
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	89676.24281669	-	-	1594.14050629	1.78	4.56171408	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.4594488191147	8947.56261173
P 177.434	P	n			mg/L	1.31046334	-	-	3.19992820	> 100.00		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	31450.34177092	-	-	624.70026067	1.99	8.72534904	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-3.10026462268174	3163.89417367
S 181.972	S	n			mg/L	87.13428889	-	-	2.93693167	3.37		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	28429.83774899	-	-	893.31939939	3.14	1.88680963	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.7322325409259	925.183211984
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	33357.12704487	-	-	670.75890691	2.01	7.62516558	Y (371.029 nm)	Linear	1.00000	Fitted	16.7890616918885	1068.90710622
Si 251.611	Si	n			mg/L	715.31651202	-	-	64.47754776	9.01		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	33297.79547845	-	-	800.94155670	2.41	40.83403791	Y (371.029 nm)	Linear	0.99999	Fitted	18.1965823034057	3225.06071480
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	21503114.71075050	-	-	129287.04293565	0.60	2.29409003	Y-R (371.029 nm)	Linear	1.00000	Fitted	52.3443513132249	438236.748365
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	1630204.19858748	-	-	53678.04635752	3.29	2.67820363	Y (371.029 nm)	Linear	1.00000	Fitted	232.456038038755	154351.753463
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	30511.64413382	-	-	754.25705225	2.47	13.39174912	Y (371.029 nm)	Linear	0.99998	Fitted	-1.4185122223693	877.769488862
V 292.401	V	n	5.00000000	5.00000000	mg/L	82281.75845911	-	-	2013.13421309	2.45	1.87652697	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	45.9231855206002	15904.0475912
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	534945.17949076	-	-	9160.20759559	1.71	8.58373097	Y (371.029 nm)	Linear	0.99995	Fitted	56.0457152575546	17496.2796031
Y 371.029	Y		0.94	0.94	Ratio	336682.19	0.01	0.82	2763.63	0.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	167719.30	0.01	0.88	1469.20	0.88		-	-	-	Fitted	-	-

Instrument ID: MET09

Label: ICAL,L7,S20458 | **Rack:Tube:** S1:8 | **Type:** STD

Date Time: 7/19/2024 9:12:48 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	71043.20192794	-	-	2079.63331662	2.93		Y (371.029 nm)	Linear	-	Fitted	-	-	2.00
Al 396.152	Al	n			mg/L	978.11000842	-	-	24.70735123	2.53	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	
As 188.980	As	n			mg/L	20.70970876	-	-	3.81981927	18.44	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	
B 249.678	B	n			mg/L	266.13348682	-	-	29.32763277	11.02	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	
Ba 230.424	Ba	n			mg/L	227.32950443	-	-	5.88500905	2.59	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	
Be 313.107	Be	n			mg/L	140.92770766	-	-	49.66942352	35.24	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	
Ca 317.933	Ca-R	n			mg/L	1472.48630669	-	-	21.93900565	1.49	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	
Cd 214.439	Cd	n			mg/L	19.63572780	-	-	1.52503941	7.77	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	
Co 230.786	Co	n			mg/L	77.98816055	-	-	0.29982243	0.38	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	
Cr 267.716	Cr	n			mg/L	79.37729160	-	-	3.88064156	4.89	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	
Cu 324.754	Cu	n			mg/L	353.03253048	-	-	6.12802777	1.74	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	
Fe 259.940	Fe	n			mg/L	123.70891223	-	-	17.42059502	14.08	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	
K 766.491	K-R	n			mg/L	127.40618416	-	-	18.10574371	14.21	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	
Li 670.783	Li-R	n			mg/L	31.40941399	-	-	28.68633691	91.33	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	
Mg 279.800	Mg-R	n			mg/L	42.80872869	-	-	9.28849958	21.70	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	
Mn 257.610	Mn	n			mg/L	186.88598552	-	-	14.06265473	7.52	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	
Mo 204.598	Mo	n			mg/L	39.42677844	-	-	4.07666887	10.34	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	
Na 589.592	Na-R	n			mg/L	1731.59033869	-	-	196.41549874	11.34	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	
Ni 231.604	Ni	n			mg/L	41.56021186	-	-	2.82568408	6.80	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	
P 177.434	P	n			mg/L	2.61348639	-	-	1.37232119	52.51		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n			mg/L	-0.83715629	-	-	13.87276422	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	
S 181.972	S	n			mg/L	60.54238157	-	-	0.07243563	0.12		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n			mg/L	10.91748161	-	-	2.09898878	19.23	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	
Se 196.026	Se	n			mg/L	20.01282633	-	-	4.42496955	22.11	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	
Si 251.611	Si	n			mg/L	36.65410715	-	-	3.32298619	9.07		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n			mg/L	17.89870607	-	-	4.39053932	24.53	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	
Sr 421.552	Sr-R	n			mg/L	89.90592127	-	-	34.07364347	37.90	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	
Ti 334.941	Ti	n			mg/L	483.05471435	-	-	13.95798388	2.89	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	
Tl 190.794	Tl	n			mg/L	3.67261034	-	-	1.18544000	32.28	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	
V 292.401	V	n			mg/L	44.01439059	-	-	1.75040402	3.98	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	
Zn 206.200	Zn	n			mg/L	43.96689470	-	-	2.51077185	5.71	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	
Y 371.029	Y		1.00	1.00	Ratio	358778.08	0.01	0.93	3331.10	0.93		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		1.03	1.03	Ratio	179707.10	0.02	1.48	2651.20	1.48		-	-	-	Fitted	-	-	1.05

Instrument ID: MET09

Label:	ICAL,L8,S21161	Rack:Tube:	S1:9	Type:	STD
Date Time:	7/19/2024 9:15:55 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	366.83737603	-	-	23.63290945	6.44		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767	
Al 396.152	Al	n			mg/L	956.98510871	-	-	20.82536781	2.18	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	
As 188.980	As	n			mg/L	18.83151472	-	-	1.14417672	6.08	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	
B 249.678	B	n			mg/L	267.01071318	-	-	11.96691186	4.48	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	
Ba 230.424	Ba	n			mg/L	210.12461023	-	-	1.27653122	0.61	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	
Be 313.107	Be	n			mg/L	105.90936641	-	-	24.39210724	23.03	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	
Ca 317.933	Ca-R	n			mg/L	1484.91822351	-	-	3.57238708	0.24	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	
Cd 214.439	Cd	n			mg/L	13.99700285	-	-	1.17308564	8.38	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	
Co 230.786	Co	n			mg/L	77.33949434	-	-	6.90309526	8.93	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	
Cr 267.716	Cr	n			mg/L	79.84663535	-	-	11.03021561	13.81	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	
Cu 324.754	Cu	n			mg/L	337.03521105	-	-	4.83699269	1.44	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	
Fe 259.940	Fe	n			mg/L	101.05885266	-	-	3.61336227	3.58	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	
K 766.491	K-R	n			mg/L	114.68575171	-	-	23.08439386	20.13	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	
Li 670.783	Li-R	n			mg/L	73.84676426	-	-	43.64612512	59.10	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	
Mg 279.800	Mg-R	n			mg/L	50.06740355	-	-	7.53067160	15.04	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	
Mn 257.610	Mn	n			mg/L	175.70308627	-	-	6.32082838	3.60	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	
Mo 204.598	Mo	n			mg/L	24.05064125	-	-	2.27347059	9.45	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	
Na 589.592	Na-R	n			mg/L	1594.58358599	-	-	111.11774941	6.97	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	
Ni 231.604	Ni	n			mg/L	41.40833914	-	-	10.39937956	25.11	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	
P 177.434	P	n	10.00000000	10.00000000	mg/L	1197.00330787	-	-	20.57363734	1.72		Y (371.029 nm)	Linear	-	Fitted	-	-	10.
Pb 220.353	Pb	n			mg/L	4.00487914	-	-	6.47046577	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	
S 181.972	S	n	10.00000000	10.00000000	mg/L	5316.34703507	-	-	90.56217950	1.70		Y (371.029 nm)	Linear	-	Fitted	-	-	10.
Sb 206.834	Sb	n			mg/L	-4.71236441	-	-	8.93813314	> 100.00	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	
Se 196.026	Se	n			mg/L	20.25027666	-	-	2.53077391	12.50	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	36578.36487502	-	-	893.89864953	2.44		Y (371.029 nm)	Linear	-	Fitted	-	-	10.
Sn 189.925	Sn	n			mg/L	14.74953903	-	-	4.88571767	33.12	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	
Sr 421.552	Sr-R	n			mg/L	54.82693411	-	-	4.65211671	8.49	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	
Ti 334.941	Ti	n			mg/L	521.19949891	-	-	19.87924178	3.81	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	
Tl 190.794	Tl	n			mg/L	4.00747657	-	-	0.86838903	21.67	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	
V 292.401	V	n			mg/L	57.49946038	-	-	1.64860282	2.87	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	
Zn 206.200	Zn	n			mg/L	40.32508249	-	-	1.59859371	3.96	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	
Y 371.029	Y		1.02	1.02	Ratio	366226.15	0.01	0.85	3126.66	0.85		-	-	-	Fitted	-	-	1.0
Y 371.029	Y-R		1.05	1.05	Ratio	184248.12	0.01	0.68	1245.52	0.68		-	-	-	Fitted	-	-	1.0

Instrument ID: MET09

Label: ICV,S21181 | Rack:Tube: S1:12 | Type: QC
Date Time: 7/19/2024 9:19:02 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	0.48617416	0.48617416	mg/L	17543.40521478	0.01085617	2.23297991	383.64744003	2.19		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.02512348	1.02512348	mg/L	18231.35478768	0.02500615	2.43933030	415.00077648	2.28	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	1.01061822	1.01061822	mg/L	1742.82418831	0.02149002	2.12642353	36.70648692	2.11	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.02793675	1.02793675	mg/L	17199.16598219	0.01849373	1.79911181	305.80928239	1.78	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.00804195	1.00804195	mg/L	37030.42996325	0.02212957	2.19530240	808.60765803	2.18	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.01837653	1.01837653	mg/L	1126345.67800133	0.02107200	2.06917553	23304.95305087	2.07	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	50.07776259	50.07776259	mg/L	662798.12725704	0.58599374	1.17016758	7736.58937997	1.17	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.00347480	1.00347480	mg/L	63693.15025558	0.02301505	2.29353513	1460.63722610	2.29	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.01252750	1.01252750	mg/L	14870.40390037	0.02084971	2.05917448	304.70424513	2.05	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.95950000	0.95950000	mg/L	27706.54668513	0.01929948	2.01141052	555.84897186	2.01	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.99700441	0.99700441	mg/L	17728.90821033	0.02057488	2.06367013	359.67458836	2.03	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.02344350	1.02344350	mg/L	26852.49734992	0.02343073	2.28940095	609.53962236	2.27	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	60.65212668	60.65212668	mg/L	92832.85911638	0.35857541	0.59120006	549.23950220	0.59	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.98524725	0.98524725	mg/L	105009.40131838	0.00685919	0.69618977	730.52152240	0.70	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	49.83244515	49.83244515	mg/L	114292.21749538	0.54739697	1.09847504	1254.77224332	1.10	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.2528065599
Mn 257.610	Mn	n	1.00922598	1.00922598	mg/L	165748.18455885	0.02223238	2.20291426	3647.24390386	2.20	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	0.97949221	0.97949221	mg/L	2462.86472389	0.03465974	3.53854172	86.71586356	3.52	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	48.81825801	48.81825801	mg/L	546123.95778101	0.45334081	0.92862963	5057.11867781	0.93	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	0.97854041	0.97854041	mg/L	8802.26456421	0.01957625	2.00055576	175.29777675	1.99	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	5.40874733	5.40874733	mg/L	648.18629302	0.07675341	1.41906069	9.17746880	1.42		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	0.98402882	0.98402882	mg/L	3102.19347475	0.01976798	2.00888235	62.37761091	2.01	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.44801025	5.44801025	mg/L	2926.48008437	0.08230940	1.51081586	43.24811903	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.00414669	1.00414669	mg/L	919.71727476	0.03363163	3.34927439	31.32672854	3.41	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.00605568	1.00605568	mg/L	1110.41122097	0.02507113	2.49202166	27.26756373	2.46	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.65250106	5.65250106	mg/L	20687.71253000	0.19582450	3.46438679	715.85895487	3.46		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	4.92813513	4.92813513	mg/L	16105.44777932	0.10601254	2.15116946	346.07043550	2.15	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	1.02981213	1.02981213	mg/L	449842.08062849	0.00971364	0.94324421	4240.49985426	0.94	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.02065683	1.02065683	mg/L	159313.89368683	0.02521460	2.47042854	3930.17334205	2.47	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.99883612	0.99883612	mg/L	962.75265298	0.03800964	3.80539340	36.76343638	3.82	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.00142602	1.00142602	mg/L	16139.91386216	0.02336912	2.33358401	375.64577496	2.33	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.04606155	1.04606155	mg/L	18476.67623175	0.01852367	1.77080116	325.95557217	1.76	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.97	0.97	Ratio	349955.80	0.01	0.84	2939.22	0.84		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	175188.67	0.01	0.63	1097.69	0.63		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965013	File:	icp data	Time:	19-JUL-2024 09:22
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	358488	-0.16
Yttrium	R	174830	182102	4.16

Instrument ID: MET09

Label:	ICB	Rack:Tube:	S1:1	Type:	QC
Date Time:	7/19/2024 9:22:10 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]	C F
Ag 328.068	Ag	nu	0.00021111	0.00021111	mg/L	372.44042735	0.00023176	109.78222471	8.19007489	2.20		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767	-
Al 396.152	Al	n	0.00192447	0.00192447	mg/L	984.04303378	0.00015142	7.86828760	2.51300619	0.26	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	(
As 188.980	As	nu	0.00116017	0.00116017	mg/L	18.20614174	0.00318236	274.30255913	5.43570114	29.86	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	(
B 249.678	B	nu	0.00081235	0.00081235	mg/L	212.91982155	0.00124161	152.84222540	20.53100527	9.64	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	(
Ba 230.424	Ba	n	0.00042724	0.00042724	mg/L	209.47598465	0.00013531	31.67044360	4.94412519	2.36	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	(
Be 313.107	Be	n	0.00009414	0.00009414	mg/L	163.32455700	0.00002998	31.84763784	33.15695425	20.30	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	(
Ca 317.933	Ca-R	n	0.00189360	0.00189360	mg/L	1579.70920529	0.00153793	81.21737268	20.30454836	1.29	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	(
Cd 214.439	Cd	nu	0.00002065	0.00002065	mg/L	9.22249861	0.00005517	267.20840642	3.50109333	37.96	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	(
Co 230.786	Co	n	0.00076302	0.00076302	mg/L	81.75077429	0.00035210	46.14544554	5.14571309	6.29	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	(
Cr 267.716	Cr	n	0.00048600	0.00048600	mg/L	83.39105709	0.00017855	36.73918857	5.14249487	6.17	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	(
Cu 324.754	Cu	n	0.00256578	0.00256578	mg/L	342.95849911	0.00133969	52.21368590	23.41946488	6.83	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	(
Fe 259.940	Fe	nu	-0.00109271	-0.00109271	mg/L	60.16436611	0.00041723	38.18353844	10.85417734	18.04	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	-
K 766.491	K-R	n	0.12818129	0.12818129	mg/L	122.09883704	0.02568840	20.04067701	39.34760261	32.23	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	(
Li 670.783	Li-R	nu	0.00034910	0.00034910	mg/L	79.96698887	0.00072076	206.46238948	76.76289873	95.99	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	(
Mg 279.800	Mg-R	nu	-0.01161795	-0.01161795	mg/L	37.28568072	0.00178302	15.34711958	4.08713457	10.96	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	-
Mn 257.610	Mn	nu	0.00003033	0.00003033	mg/L	173.45876735	0.00013480	444.43575783	22.11388732	12.75	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	(
Mo 204.598	Mo	n	0.00317477	0.00317477	mg/L	18.55620662	0.00220350	69.40660645	5.51298370	29.71	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	(
Na 589.592	Na-R	nu	0.00029905	0.00029905	mg/L	1512.82659286	0.01123348	3756.33409855	125.31203158	8.28	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	(
Ni 231.604	Ni	n	0.00143792	0.00143792	mg/L	52.27166913	0.00047297	32.89232599	4.23522759	8.10	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	(
P 177.434	P	n	0.01058553	0.01058553	mg/L	2.56073309	0.00357791	33.80003787	0.42781419	16.71		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352	(
Pb 220.353	Pb	nu	-0.00121169	-0.00121169	mg/L	-6.84223616	0.00186144	153.62299794	5.87375180	85.85	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	-
S 181.972	S	nu	-0.01515090	-0.01515090	mg/L	54.05125845	0.00161273	10.64445704	0.84738268	1.57		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128	-
Sb 206.834	Sb	n	0.00319318	0.00319318	mg/L	-13.85087258	0.00163600	51.23423106	1.52387803	11.00	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	(
Se 196.026	Se	nu	0.00507705	0.00507705	mg/L	21.55802897	0.00775895	152.82415734	8.43870197	39.14	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	(
Si 251.611	Si	n	0.00263640	0.00263640	mg/L	31.85397461	0.00072408	27.46488731	2.64697105	8.31		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154	(
Sn 189.925	Sn	n	0.00337805	0.00337805	mg/L	29.16603791	0.00133023	39.37865647	4.34244610	14.89	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	(
Sr 421.552	Sr-R	n	0.00007733	0.00007733	mg/L	88.10860126	0.00004905	63.43053053	21.41285030	24.30	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	(
Ti 334.941	Ti	n	0.00055373	0.00055373	mg/L	309.57339940	0.00007148	12.90867670	11.14142667	3.60	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	(
Tl 190.794	Tl	n	0.00591923	0.00591923	mg/L	2.70505612	0.00117079	19.77937674	1.13240058	41.86	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	(
V 292.401	V	n	0.00044529	0.00044529	mg/L	52.31262990	0.00023221	52.14723114	3.73258424	7.14	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	(
Zn 206.200	Zn	nu	0.00029310	0.00029310	mg/L	60.56266150	0.00031657	108.00757714	5.57053296	9.20	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	-
Y 371.029	Y		1.00	1.00	Ratio	358488.23	0.01	0.78	2795.96	0.78		-	-	-	Fitted	-	-	(
Y 371.029	Y-R		1.04	1.04	Ratio	182101.55	0.01	0.49	895.18	0.49		-	-	-	Fitted	-	-	1

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965015	File:	icp data	Time:	19-JUL-2024 09:28
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.006405	0.003333	mg/L	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.7	mg/L	104	
Aluminum as Al2O3	A	755.8	785.5	mg/L	104	
Iron	A	160.0	157.6	mg/L	99	
Iron as Fe2O3	A	228.8	225.3	mg/L	99	
Calcium	R	400.0	398.0	mg/L	99	
Calcium as CaCO3	R	998.9	993.8	mg/L	99	
Magnesium	R	400.0	409.7	mg/L	102	
Magnesium as MgCO3	R	1388	1421	mg/L	102	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	324220	-9.70
Yttrium	R	174830	164701	-5.79

!=warning +=high bias a=ICSA

Instrument ID: MET09

Label: ICSA,S21125 | Rack:Tube: S1:14 | Type: QC
Date Time: 7/19/2024 9:28:25 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 Co
Ag 328.068	Ag	n	0.00074262	0.00074262	mg/L	361.40106760	0.00078291	105.42454857	27.66725403	7.66		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.11(
Al 396.152	Al	no	415.73908985	415.73908985	mg/L	6902767.04925489	9.88436373	2.37754014	164040.40705814	2.38	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.95(
As 188.980	As	n	0.00343760	0.00343760	mg/L	29.59148835	0.00165507	48.14617091	2.82698327	9.55	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.071(
B 249.678	B	n	0.00109416	0.00109416	mg/L	164.74663091	0.00033303	30.43669147	5.50688541	3.34	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.83
Ba 230.424	Ba	n	0.00301969	0.00301969	mg/L	340.98173080	0.00027060	8.96133055	9.88779760	2.90	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.69
Be 313.107	Be	n	0.00016667	0.00016667	mg/L	144.47809657	0.00004139	24.83461829	45.77809808	31.69	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.8
Ca 317.933	Ca-R	no	397.96795758	397.96795758	mg/L	5256551.79554666	3.94412034	0.99106480	52072.29578554	0.99	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.51
Cd 214.439	Cd	n	0.00101694	0.00101694	mg/L	183.27056774	0.00011611	11.41743686	7.36875216	4.02	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.446
Co 230.786	Co	nu	-0.00152589	-0.00152589	mg/L	111.50868575	0.00028236	18.50482357	4.12653904	3.70	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.317
Cr 267.716	Cr	nu	0.00002762	0.00002762	mg/L	109.21529679	0.00025819	934.68859971	7.43617895	6.81	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.234
Cu 324.754	Cu	n	0.00166331	0.00166331	mg/L	317.11463818	0.00095285	57.28646754	16.65702609	5.25	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.246
Fe 259.940	Fe	no	157.60461194	157.60461194	mg/L	4101246.05796599	3.35081095	2.12608687	87169.81769157	2.13	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.543
K 766.491	K-R	n	0.11994284	0.11994284	mg/L	141.11541684	0.02435552	20.30593837	37.30599774	26.44	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.7266
Li 670.783	Li-R	n	0.00118792	0.00118792	mg/L	401.10422685	0.00106979	90.05546212	113.93506052	28.41	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.58
Mg 279.800	Mg-R	no	409.68393945	409.68393945	mg/L	939287.18688636	2.41567812	0.58964433	5537.34495231	0.59	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.2528
Mn 257.610	Mn	n	0.00021756	0.00021756	mg/L	408.61816172	0.00004137	19.01564421	6.78695262	1.66	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.96
Mo 204.598	Mo	nu	-0.00441610	-0.00441610	mg/L	31.11685135	0.00269966	61.13224788	6.75433120	21.71	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.9190
Na 589.592	Na-R	n	0.10837024	0.10837024	mg/L	2824.80730824	0.02230661	20.58370139	248.83520889	8.81	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.224
Ni 231.604	Ni	nu	0.00017410	0.00017410	mg/L	51.22116592	0.00033997	195.27764629	3.04431463	5.94	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.6163
P 177.434	P	nu	-0.01295269	-0.01295269	mg/L	2.96708850	0.00521394	40.25375470	0.62343571	21.01		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.57083
Pb 220.353	Pb	n	0.00640491	0.00640491	mg/L	-446.99230898	0.00247950	38.71243563	7.82401509	1.75	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.487
S 181.972	S	n	0.02949866	0.02949866	mg/L	102.94879221	0.00454358	15.40267104	2.38734969	2.32		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.4335
Sb 206.834	Sb	nu	-0.00513824	-0.00513824	mg/L	-11.86279982	0.00828838	161.30783625	7.72034374	65.08	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.4663
Se 196.026	Se	nu	0.00234483	0.00234483	mg/L	19.56577281	0.00928317	395.89907165	10.09645351	51.60	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.6082
Si 251.611	Si	nu	-0.00081637	-0.00081637	mg/L	29.62916422	0.00367921	450.67835435	13.44975900	45.39		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.6148
Sn 189.925	Sn	nu	-0.00017195	-0.00017195	mg/L	22.56887413	0.00078222	454.92247900	2.55350680	11.31	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.4292
Sr 421.552	Sr-R	n	0.01847391	0.01847391	mg/L	9883.04225122	0.00012621	0.68317446	55.09667998	0.56	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.91
Ti 334.941	Ti	nu	0.00014707	0.00014707	mg/L	311.69797824	0.00013972	95.00151943	21.77806973	6.99	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96
Tl 190.794	Tl	n	0.01413505	0.01413505	mg/L	1.73894598	0.00243766	17.24549533	2.35773740	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.2133
V 292.401	V	nu	0.00012479	0.00012479	mg/L	-48.23626584	0.00069855	559.79754285	11.22882958	23.28	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.452
Zn 206.200	Zn	nu	-0.04679316	-0.04679316	mg/L	65.03196363	0.00051054	1.09105651	8.98381808	13.81	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.705
Y 371.029	Y		0.90	0.90	Ratio	324220.18	0.01	0.73	2370.34	0.73		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	164700.69	0.01	0.87	1428.14	0.87		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965016	File:	icp data	Time:	19-JUL-2024 09:31
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.061	mg/L	6	20	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	323924	-9.78
Yttrium	R	174830	163698	-6.37

Instrument ID: MET09

Label:	ICSAB,S21126	Rack:Tube:	S1:15	Type:	QC
Date Time:	7/19/2024 9:31:33 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	n	1.12061808	1.12061808	mg/L	39936.68613554	0.02239099	1.99809245	791.27751633	1.98		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109
Al 396.152	Al	no	414.40698005	414.40698005	mg/L	6880664.33899873	9.89334774	2.38735065	164189.50520889	2.39	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500
As 188.980	As	nu	0.00003852	0.00003852	mg/L	23.76968307	0.00131664	3418.37866964	2.24891277	9.46	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104
B 249.678	B	n	0.00172148	0.00172148	mg/L	174.94107515	0.00036214	21.03680743	5.98834320	3.42	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344
Ba 230.424	Ba	n	0.54869988	0.54869988	mg/L	20279.91717698	0.01195171	2.17818791	436.71197195	2.15	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.6927
Be 313.107	Be	n	0.54280116	0.54280116	mg/L	600280.89589380	0.01630994	3.00477160	18038.26440276	3.00	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88
Ca 317.933	Ca-R	no	397.44654026	397.44654026	mg/L	5249668.08734303	3.31044481	0.83292833	43706.18707024	0.83	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119
Cd 214.439	Cd	n	1.04476824	1.04476824	mg/L	66424.55037189	0.01667346	1.59590026	1058.17185684	1.59	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469
Co 230.786	Co	n	0.51650574	0.51650574	mg/L	7682.25647610	0.01000297	1.93666174	146.18656312	1.90	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172
Cr 267.716	Cr	n	0.51728564	0.51728564	mg/L	15006.94315725	0.01044324	2.01885428	300.77830363	2.00	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349
Cu 324.754	Cu	n	0.56847527	0.56847527	mg/L	10225.55946127	0.01150628	2.02405929	201.14405600	1.97	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465
Fe 259.940	Fe	no	158.49373342	158.49373342	mg/L	4124377.20827731	3.33370737	2.10336857	86724.87585883	2.10	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436
K 766.491	K-R	n	0.09738321	0.09738321	mg/L	106.53243738	0.00782682	8.03713372	11.98854699	11.25	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663
Li 670.783	Li-R	n	0.00166814	0.00166814	mg/L	452.85674911	0.00087378	52.38054680	93.05984846	20.55	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584
Mg 279.800	Mg-R	no	410.23145198	410.23145198	mg/L	940542.50636639	2.07919448	0.50683449	4766.03937593	0.51	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280
Mn 257.610	Mn	n	0.53441187	0.53441187	mg/L	88044.22430325	0.01018859	1.90650500	1671.44784889	1.90	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964
Mo 204.598	Mo	nu	-0.00461533	-0.00461533	mg/L	30.60473279	0.00276157	59.83467151	6.90921641	22.58	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900
Na 589.592	Na-R	n	0.30221753	0.30221753	mg/L	4987.07498717	0.01221070	4.04036755	136.21309325	2.73	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248
Ni 231.604	Ni	n	1.02612462	1.02612462	mg/L	9238.23618022	0.01806190	1.76020554	161.73740608	1.75	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631
P 177.434	P	nu	-0.01855660	-0.01855660	mg/L	2.29585307	0.00880552	47.45222501	1.05288342	45.86		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832
Pb 220.353	Pb	n	1.06060258	1.06060258	mg/L	2880.99152827	0.01248857	1.17749743	39.40751647	1.37	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716
S 181.972	S	n	0.02283765	0.02283765	mg/L	99.44144239	0.00934182	40.90533136	4.90850369	4.94		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515
Sb 206.834	Sb	nu	-0.00281474	-0.00281474	mg/L	-9.63098023	0.00111282	39.53561776	1.03655819	10.76	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.466319
Se 196.026	Se	nu	-0.00890707	-0.00890707	mg/L	7.29257988	0.00487608	54.74390640	5.30326479	72.72	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828
Si 251.611	Si	nu	0.00004195	0.00004195	mg/L	32.74644972	0.00282270	6728.36104556	10.31869430	31.51		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487
Sn 189.925	Sn	nu	0.00067606	0.00067606	mg/L	25.31117087	0.00179699	265.80493920	5.86615943	23.18	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929
Sr 421.552	Sr-R	n	0.01847540	0.01847540	mg/L	9887.84808119	0.00024878	1.34656595	108.60665747	1.10	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913
Ti 334.941	Ti	nu	0.00010383	0.00010383	mg/L	304.92978328	0.00021073	202.94713370	32.84549915	10.77	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.969
Tl 190.794	Tl	n	0.01915528	0.01915528	mg/L	6.59580183	0.00321724	16.79560386	3.11176205	47.18	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.213389
V 292.401	V	n	0.54372720	0.54372720	mg/L	8689.61672383	0.01144833	2.10552795	184.02561054	2.12	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527
Zn 206.200	Zn	n	1.04204585	1.04204585	mg/L	19226.55699119	0.01838795	1.76460059	323.56729816	1.68	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058
Y 371.029	Y		0.90	0.90	Ratio	323923.94	0.01	1.01	3269.60	1.01		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	163697.82	0.01	1.60	2616.50	1.60		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965157	File:	icp data	Time:	19-JUL-2024 17:55
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3244.9	1.000	1.029	mg/L	3	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	356887	-0.60
Yttrium	R	174830	188681	7.92

Instrument ID: MET09

Label:	CCV,S21181	Rack:Tube:	S1:12	Type:	QC
Date Time:	7/19/2024 5:55:48 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	0.49096604	0.49096604	mg/L	17712.79433859	0.00297080	0.60509375	104.98560200	0.59		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.03695585	1.03695585	mg/L	18420.90894405	0.00867618	0.83669723	143.98946465	0.78	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.950084998
As 188.980	As	n	1.06451927	1.06451927	mg/L	1834.88455795	0.00599501	0.56316562	10.23989708	0.56	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.08206604	1.08206604	mg/L	18094.21697257	0.00837783	0.77424368	138.53437602	0.77	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.01836261	1.01836261	mg/L	37407.50749677	0.00838522	0.82340251	306.39348335	0.82	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.07129778	1.07129778	mg/L	1184874.92585064	0.01034743	0.96587804	11443.92526909	0.97	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	49.44089053	49.44089053	mg/L	654389.13453933	0.33963244	0.68694645	4484.00133994	0.69	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.04834572	1.04834572	mg/L	66540.84849480	0.00895087	0.85380888	568.06194133	0.85	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.05401480	1.05401480	mg/L	15476.66120047	0.00721371	0.68440348	105.42350473	0.68	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.98185142	0.98185142	mg/L	28350.26760761	0.00542006	0.55202473	156.10449746	0.55	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.02027360	1.02027360	mg/L	18135.63728072	0.00732167	0.71761784	127.99183781	0.71	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.03594155	1.03594155	mg/L	27176.60448452	0.00947824	0.91493921	246.57196752	0.91	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	57.89540144	57.89540144	mg/L	88610.20356890	0.32799421	0.56652895	502.39746635	0.57	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.94941111	0.94941111	mg/L	101192.36018558	0.00685686	0.72222246	730.27333805	0.72	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	49.10629008	49.10629008	mg/L	112627.69918703	0.26794801	0.54564905	614.20457186	0.55	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.02437052	1.02437052	mg/L	168232.47645102	0.00666104	0.65025696	1092.75013720	0.65	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.00923695	1.00923695	mg/L	2537.25345860	0.02077160	2.05814900	51.96886108	2.05	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	46.42720877	46.42720877	mg/L	519450.92568831	0.22838484	0.49192025	2547.68426665	0.49	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.00681274	1.00681274	mg/L	9055.42414293	0.00715491	0.71064935	64.06945751	0.71	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	4.15539745	4.15539745	mg/L	498.31714337	0.01651146	0.39734962	1.97428852	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.02925527	1.02925527	mg/L	3244.93560082	0.00626602	0.60879197	19.77235647	0.61	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.63528634	5.63528634	mg/L	3024.84008084	0.01598585	0.28367411	8.39950047	0.28		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.03105647	1.03105647	mg/L	944.75957246	0.01738000	1.68564979	16.18888585	1.71	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.07989168	1.07989168	mg/L	1190.71274630	0.01241295	1.14946270	13.50042960	1.13	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.72466964	5.72466964	mg/L	20951.49878170	0.12464209	2.17728002	455.64347340	2.17		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	5.04346217	5.04346217	mg/L	16481.92598466	0.03189400	0.63238313	104.11572089	0.63	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.98955159	0.98955159	mg/L	432260.43375024	0.00389014	0.39312129	1698.24328534	0.39	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.02989014	1.02989014	mg/L	160753.08476627	0.01495028	1.45163826	2330.28462932	1.45	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.03467411	1.03467411	mg/L	997.42359756	0.02473474	2.39058264	23.92377139	2.40	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.02092162	1.02092162	mg/L	16453.35925073	0.00953662	0.93411874	153.29594992	0.93	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.08956753	1.08956753	mg/L	19242.03337205	0.00595551	0.54659400	104.79737147	0.54	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.99	0.99	Ratio	356887.34	0.01	1.12	4003.81	1.12		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.08	1.08	Ratio	188681.37	0.01	0.61	1149.73	0.61		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965158	File:	icp data	Time:	19-JUL-2024 17:58
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002119]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	369399	2.88
Yttrium	R	174830	197731	13.10

!=warning CCB=instrument blank

Instrument ID: MET09

Label:	CCB	Rack:Tube:	S1:1	Type:	QC		
Date Time:	7/19/2024 5:58:55 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]	Con Rep
Ag 328.068	Ag	nu	-0.00021908	-0.00021908	mg/L	357.23839818	0.00064239	293.22930151	22.70165291	6.35		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767	-0.(
Al 396.152	Al	n	0.00561799	0.00561799	mg/L	1045.30695710	0.00098422	17.51910709	16.33410743	1.56	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	0.0
As 188.980	As	n	0.00111988	0.00111988	mg/L	18.13737418	0.00077525	69.22660752	1.32418896	7.30	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	0.0
B 249.678	B	n	0.00107310	0.00107310	mg/L	217.23145256	0.00068644	63.96783604	11.35086698	5.23	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	0.0
Ba 230.424	Ba	n	0.00105617	0.00105617	mg/L	232.45728545	0.00015009	14.21112584	5.48439373	2.36	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	0.0
Be 313.107	Be	n	0.00007426	0.00007426	mg/L	141.34563985	0.00001833	24.68522335	20.27472389	14.34	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	0.0
Ca 317.933	Ca-R	nu	-0.00571186	-0.00571186	mg/L	1479.30335139	0.00212830	37.26099389	28.09885822	1.90	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	-0.(
Cd 214.439	Cd	n	0.00013553	0.00013553	mg/L	16.51396409	0.00011620	85.74076355	7.37476422	44.66	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	0.0
Co 230.786	Co	n	0.00086606	0.00086606	mg/L	83.25667975	0.00044297	51.14748406	6.47369461	7.78	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	0.0
Cr 267.716	Cr	nu	-0.00005626	-0.00005626	mg/L	67.77349706	0.00025046	445.18035195	7.21356482	10.64	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	-0.(
Cu 324.754	Cu	n	0.00465545	0.00465545	mg/L	379.48827171	0.00095614	20.53807569	16.71451249	4.40	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	0.0
Fe 259.940	Fe	nu	-0.00108827	-0.00108827	mg/L	60.28656358	0.00033730	30.99424208	8.77472819	14.56	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	-0.(
K 766.491	K-R	n	0.10720217	0.10720217	mg/L	89.96419879	0.02731713	25.48188210	41.84237720	46.51	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	0.1
Li 670.783	Li-R	nu	-0.00144791	-0.00144791	mg/L	-111.41915899	0.00007259	5.01334782	7.73086481	6.94	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	-0.(
Mg 279.800	Mg-R	nu	-0.01445653	-0.01445653	mg/L	30.77953286	0.00318535	22.03395853	7.30161937	23.72	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	-0.(
Mn 257.610	Mn	nu	0.00000919	0.00000919	mg/L	169.99125403	0.00005168	562.12791809	8.47742522	4.99	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	0.0
Mo 204.598	Mo	nu	0.00210578	0.00210578	mg/L	15.88176254	0.00246487	117.05266244	6.16691303	38.83	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	0.0
Na 589.592	Na-R	nu	-0.04142593	-0.04142593	mg/L	1047.37526779	0.00499569	12.05933172	55.72804949	5.32	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	-0.(
Ni 231.604	Ni	nu	0.00038789	0.00038789	mg/L	42.86902499	0.00102169	263.39670817	9.14880565	21.34	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	0.0
P 177.434	P	nu	0.00529716	0.00529716	mg/L	1.92838914	0.01093191	206.37289966	1.30713780	67.78		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352	-0.(
Pb 220.353	Pb	n	0.00211875	0.00211875	mg/L	3.66181064	0.00042256	19.94376893	1.33337525	36.41	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	0.0
S 181.972	S	n	0.00886790	0.00886790	mg/L	66.67149297	0.00942816	106.31778212	4.95386945	7.43		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128	0.0
Sb 206.834	Sb	nu	-0.00651948	-0.00651948	mg/L	-22.89803723	0.00876832	134.49409301	8.16739428	35.67	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	-0.(
Se 196.026	Se	nu	0.00239149	0.00239149	mg/L	18.63723911	0.00606210	253.48598409	6.59318971	35.38	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	-0.(
Si 251.611	Si	n	0.00359702	0.00359702	mg/L	35.36556417	0.00070916	19.71533284	2.59242959	7.33		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154	0.0
Sn 189.925	Sn	nu	0.00062696	0.00062696	mg/L	20.18537372	0.00116050	185.09788077	3.78835888	18.77	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	-0.(
Sr 421.552	Sr-R	nu	-0.00001289	-0.00001289	mg/L	48.69109711	0.00005951	461.53889632	25.98049002	53.36	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	0.0
Ti 334.941	Ti	n	0.00065224	0.00065224	mg/L	324.92862897	0.00017890	27.42824173	27.88469119	8.58	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	0.0
Tl 190.794	Tl	n	0.00732644	0.00732644	mg/L	4.06611592	0.00212374	28.98729526	2.05410755	50.52	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	0.0
V 292.401	V	nu	0.00009694	0.00009694	mg/L	46.71324278	0.00036947	381.11678712	5.93904030	12.71	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	-0.(
Zn 206.200	Zn	nu	-0.00057724	-0.00057724	mg/L	45.25056659	0.00028512	49.39286596	5.01709010	11.09	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	-0.(
Y 371.029	Y		1.03	1.03	Ratio	369399.01	0.01	1.26	4657.86	1.26		-	-	-	Fitted	-	-	1.0
Y 371.029	Y-R		1.13	1.13	Ratio	197731.33	0.01	0.75	1476.95	0.75		-	-	-	Fitted	-	-	1.1

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965169	File:	icp data	Time:	19-JUL-2024 18:37
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3221.9	1.000	1.022	mg/L	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	360256	0.33
Yttrium	R	174830	191170	9.35

Instrument ID: MET09

Label: CCV,S21181 | Rack:Tube: S1:12 | Type: QC
Date Time: 7/19/2024 6:37:41 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	0.49248637	0.49248637	mg/L	17766.56092488	0.00601424	1.22119836	212.53773542	1.20		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.03283162	1.03283162	mg/L	18348.03321686	0.00514309	0.49795986	85.35441261	0.47	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	1.05822547	1.05822547	mg/L	1824.12816146	0.00561820	0.53090779	9.59628725	0.53	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.07407650	1.07407650	mg/L	17962.07281930	0.00481851	0.44861874	79.67805786	0.44	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.01675119	1.01675119	mg/L	37348.58141976	0.00840378	0.82653293	307.07166349	0.82	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.06493973	1.06493973	mg/L	1177843.19690613	0.00632558	0.59398526	6995.89381031	0.59	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	48.64172114	48.64172114	mg/L	643836.77646749	0.15373398	0.31605375	2029.67476849	0.32	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.04419972	1.04419972	mg/L	66277.72281544	0.00715064	0.68479594	453.81124210	0.68	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.04866002	1.04866002	mg/L	15398.36690439	0.00379660	0.36204314	55.48474123	0.36	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.97536323	0.97536323	mg/L	28163.36498440	0.00535768	0.54930123	154.30786334	0.55	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.01392113	1.01392113	mg/L	18024.55519944	0.00462177	0.45583133	80.79430337	0.45	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.03493506	1.03493506	mg/L	27148.41376843	0.00708760	0.68483489	184.38058522	0.68	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	56.96578287	56.96578287	mg/L	87186.20592995	0.17203899	0.30200408	263.51670282	0.30	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.93178277	0.93178277	mg/L	99314.37364551	0.00302924	0.32510169	322.62205509	0.32	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	48.38557658	48.38557658	mg/L	110975.65035284	0.20121155	0.41585027	461.22773786	0.42	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.01960484	1.01960484	mg/L	167450.43704553	0.01120937	1.09938355	1838.90761677	1.10	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.00947784	1.00947784	mg/L	2537.83034874	0.01853240	1.83584031	46.36656666	1.83	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	45.66841187	45.66841187	mg/L	510985.84512081	0.20091368	0.43994014	2241.23722924	0.44	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.00204778	1.00204778	mg/L	9012.74930506	0.00594402	0.59318696	53.22638928	0.59	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	4.32303752	4.32303752	mg/L	518.35918584	0.06491857	1.50168885	7.76236772	1.50		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.02194811	1.02194811	mg/L	3221.88218503	0.00425831	0.41668576	13.43704979	0.42	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.59902939	5.59902939	mg/L	3005.75868275	0.01926705	0.34411419	10.12355637	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.02775044	1.02775044	mg/L	941.66117332	0.01096543	1.06693501	10.21392798	1.08	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.07357913	1.07357913	mg/L	1183.84411082	0.01675457	1.56062767	18.22241241	1.54	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.71659074	5.71659074	mg/L	20921.93208819	0.11078178	1.93789952	404.97553991	1.94		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	5.03123852	5.03123852	mg/L	16442.02609294	0.03201973	0.63641848	104.52614989	0.64	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.96710531	0.96710531	mg/L	422457.76903003	0.00309142	0.31965655	1349.56024910	0.32	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.03339479	1.03339479	mg/L	161299.32526109	0.01051627	1.01764343	1639.16080672	1.02	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.02916950	1.02916950	mg/L	992.10464587	0.01603822	1.55836563	15.51238484	1.56	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.01726887	1.01726887	mg/L	16394.68406337	0.00592365	0.58230944	95.21947411	0.58	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.09305440	1.09305440	mg/L	19303.19517964	0.00370027	0.33852590	65.11260158	0.34	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		1.00	1.00	Ratio	360256.18	0.01	1.19	4295.95	1.19		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	191170.41	0.00	0.15	289.35	0.15		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965170	File:	icp data	Time:	19-JUL-2024 18:40
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	368058	2.51
Yttrium	R	174830	195673	11.92

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 7/19/2024 6:40:48 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	-0.00003099	-0.00003099	mg/L	363.88534789	0.00094973	3064.45207776	33.56252242	9.22		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.00332652	0.00332652	mg/L	1007.23726384	0.00230415	69.26619304	38.23963633	3.80	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	nu	0.00312048	0.00312048	mg/L	21.55439225	0.00430105	137.83306368	7.34650417	34.08	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	nu	0.00111367	0.00111367	mg/L	217.90269387	0.00128995	115.82891326	21.33035156	9.79	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.00085443	0.00085443	mg/L	225.08503030	0.00037745	44.17547306	13.79183145	6.13	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	0.00012805	0.00012805	mg/L	200.83306940	0.00003733	29.15412297	41.28778513	20.56	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	nu	-0.00527036	-0.00527036	mg/L	1485.12714957	0.00121715	23.09423593	16.06942796	1.08	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	0.00011850	0.00011850	mg/L	15.43221588	0.00005543	46.77375635	3.51777814	22.80	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	0.00138233	0.00138233	mg/L	90.80072487	0.00036233	26.21182600	5.29527696	5.83	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.00021939	0.00021939	mg/L	75.71209430	0.00015598	71.09970100	4.49250438	5.93	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.00486785	0.00486785	mg/L	383.20112260	0.00051129	10.50334647	8.93794332	2.33	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	nu	-0.00100053	-0.00100053	mg/L	62.56451272	0.00016840	16.83122032	4.38086982	7.00	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	0.10824672	0.10824672	mg/L	91.56340548	0.00792998	7.32583788	12.14656065	13.27	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	nu	-0.00306028	-0.00306028	mg/L	-283.14217374	0.00031696	10.35732543	33.75743068	11.92	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	nu	-0.00535667	-0.00535667	mg/L	51.63749406	0.00223681	41.75748885	5.12733797	9.93	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	nu	0.00002633	0.00002633	mg/L	172.80068994	0.00003125	118.70276036	5.12667794	2.97	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	nu	0.00056049	0.00056049	mg/L	12.01502194	0.00085575	152.68020518	2.14102053	17.82	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	nu	-0.03107524	-0.03107524	mg/L	1162.83971231	0.00151765	4.88379457	16.92973757	1.46	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	nu	-0.00019116	-0.00019116	mg/L	37.68378948	0.00042810	223.95449756	3.83347988	10.17	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	nu	0.00959361	0.00959361	mg/L	2.44204788	0.01936216	201.82355446	2.31514900	94.80		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	nu	0.00099805	0.00099805	mg/L	0.13636070	0.00120907	121.14315527	3.81520518	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	nu	-0.00510199	-0.00510199	mg/L	59.33076587	0.00367605	72.05129528	1.93152004	3.26		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	nu	-0.00428192	-0.00428192	mg/L	-20.81383595	0.00481826	112.52561476	4.48804322	21.56	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.00813337	0.00813337	mg/L	24.88205516	0.00466034	57.29904761	5.06862833	20.37	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	nu	0.00128687	0.00128687	mg/L	26.92038636	0.00268402	208.56856827	9.81172949	36.45		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	nu	0.00031349	0.00031349	mg/L	19.16190018	0.00196985	628.36106750	6.43042747	33.56	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	nu	-0.00001032	-0.00001032	mg/L	49.77998949	0.00006305	610.80345639	27.52648092	55.30	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	0.00077237	0.00077237	mg/L	343.65249444	0.00014058	18.20125321	21.91227515	6.38	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.00386379	0.00386379	mg/L	0.71715503	0.00092178	23.85696216	0.89156136	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	nu	-0.00003388	-0.00003388	mg/L	44.61133584	0.00057468	1696.18026068	9.23774272	20.71	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	0.00122525	0.00122525	mg/L	76.95937662	0.00032279	26.34486955	5.68006410	7.38	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		1.03	1.03	Ratio	368058.22	0.01	1.23	4541.18	1.23		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.12	1.12	Ratio	195672.59	0.02	1.78	3485.24	1.78		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965176	File:	icp data	Time:	19-JUL-2024 18:59
Cal:	674289965001	Caldate:	19-JUL-2024		

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3272.3	1.000	1.038	mg/L	4	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	358229	-0.23
Yttrium	R	174830	190205	8.79

Instrument ID: MET09

Label: CCV,S21181 | Rack:Tube: S1:12 | Type: QC
Date Time: 7/19/2024 6:59:35 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	0.49854355	0.49854355	mg/L	17980.58988158	0.00453506	0.90966161	160.26496364	0.89		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.04530846	1.04530846	mg/L	18558.10847117	0.00985766	0.94303834	163.59722521	0.88	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	1.07136260	1.07136260	mg/L	1846.57153658	0.00408479	0.38127028	6.97710679	0.38	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.08796209	1.08796209	mg/L	18191.70461520	0.00582205	0.53513372	96.27248883	0.53	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.03054862	1.03054862	mg/L	37852.76595516	0.00972557	0.94372791	355.36951900	0.94	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.07806821	1.07806821	mg/L	1192362.82482454	0.00698748	0.64814839	7727.93040325	0.65	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	49.03555027	49.03555027	mg/L	649037.19460892	0.16115725	0.32865391	2127.68057784	0.33	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.05662379	1.05662379	mg/L	67066.20929459	0.00946522	0.89579804	600.70464452	0.90	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.06294467	1.06294467	mg/L	15607.15242970	0.00738797	0.69504707	107.97007471	0.69	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.98766029	0.98766029	mg/L	28517.55871323	0.00912232	0.92362978	262.73421266	0.92	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.02720004	1.02720004	mg/L	18256.71046586	0.00567631	0.55260012	99.22895107	0.54	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.05030540	1.05030540	mg/L	27549.61442215	0.00795305	0.75721352	206.89508407	0.75	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	57.34526278	57.34526278	mg/L	87767.51762178	0.29234649	0.50980059	447.79490289	0.51	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.93801823	0.93801823	mg/L	99978.81743479	0.00422465	0.45038006	449.93583268	0.45	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	48.81961244	48.81961244	mg/L	111970.56185425	0.23756630	0.48662062	544.56201760	0.49	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.03974509	1.03974509	mg/L	170754.61409953	0.00665231	0.63980235	1091.31844960	0.64	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.01732664	1.01732664	mg/L	2557.48490155	0.02286396	2.24745529	57.20377973	2.24	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	45.98476962	45.98476962	mg/L	514515.24774500	0.22046219	0.47942436	2459.30527576	0.48	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.01508228	1.01508228	mg/L	9129.47243091	0.00845071	0.83251517	75.67290043	0.83	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	4.49335548	4.49335548	mg/L	538.72617373	0.02730289	0.60762816	3.26462969	0.61		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.03792823	1.03792823	mg/L	3272.30115417	0.00542836	0.52299975	17.12912659	0.52	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.70424809	5.70424809	mg/L	3061.06508016	0.00498570	0.08740327	2.61965350	0.09		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.03950509	1.03950509	mg/L	952.62282208	0.00625589	0.60181387	5.82714697	0.61	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.08690387	1.08690387	mg/L	1198.33845746	0.01692606	1.55727287	18.40892213	1.54	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.78867671	5.78867671	mg/L	21185.47345046	0.12810259	2.21298572	468.29373097	2.21		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	5.09296686	5.09296686	mg/L	16643.53172600	0.03538871	0.69485454	115.52394702	0.69	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.98007769	0.98007769	mg/L	428123.40634652	0.00679343	0.69315169	2965.67595381	0.69	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.04732196	1.04732196	mg/L	163470.15635252	0.01326098	1.26617998	2066.97543936	1.26	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.04028870	1.04028870	mg/L	1002.85578679	0.02107443	2.02582494	20.38346888	2.03	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.02912643	1.02912643	mg/L	16585.26178639	0.00990787	0.96274548	159.26355945	0.96	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.10257203	1.10257203	mg/L	19470.79323041	0.00479242	0.43465804	84.33076953	0.43	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		1.00	1.00	Ratio	358229.44	0.01	0.67	2409.13	0.67		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	190205.09	0.00	0.18	341.93	0.18		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	674289965177	File:	icp data	Time:	19-JUL-2024 19:02
Cal:	674289965001	Caldate:	19-JUL-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002404]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	370254	3.12
Yttrium	R	174830	199569	14.15

!=warning CCB=instrument blank

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC
Date Time: 7/19/2024 7:02:42 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	-0.00037705	-0.00037705	mg/L	351.65617131	0.00123450	327.40924786	43.62617042	12.41		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.00572512	0.00572512	mg/L	1047.02862351	0.00155067	27.08539231	25.73486360	2.46	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	nu	-0.00332323	-0.00332323	mg/L	10.54817701	0.00145858	43.89047078	2.49135958	23.62	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.00092221	0.00092221	mg/L	214.73696958	0.00057329	62.16532759	9.47986896	4.41	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.00085160	0.00085160	mg/L	224.98211449	0.00019960	23.43774048	7.29317620	3.24	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	0.00004953	0.00004953	mg/L	113.99511952	0.00003055	61.68305101	33.79129344	29.64	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	nu	-0.00644557	-0.00644557	mg/L	1469.61734354	0.00027586	4.27979916	3.64200960	0.25	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	nu	0.00004465	0.00004465	mg/L	10.74547960	0.00008372	187.47575704	5.31298717	49.44	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	0.00029552	0.00029552	mg/L	74.91786698	0.00024967	84.48353621	3.64875084	4.87	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	nu	0.00010568	0.00010568	mg/L	72.43736864	0.00020294	192.02763871	5.84493884	8.07	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.00343758	0.00343758	mg/L	358.19846125	0.00102362	29.77743166	17.89421168	5.00	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	nu	-0.00076457	-0.00076457	mg/L	68.70921209	0.00006737	8.81213504	1.75272447	2.55	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	0.12476640	0.12476640	mg/L	116.86713166	0.02229458	17.86905532	34.14919635	29.22	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	nu	-0.00290628	-0.00290628	mg/L	-266.74037881	0.00007167	2.46612384	7.63328986	2.86	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	nu	-0.01575305	-0.01575305	mg/L	27.80632212	0.00254281	16.14168400	5.82875854	20.96	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	nu	-0.00006221	-0.00006221	mg/L	158.27549574	0.00003451	55.46580955	5.66079215	3.58	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	0.00214626	0.00214626	mg/L	15.98271425	0.00047158	21.97215518	1.17985298	7.38	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	nu	-0.03386784	-0.03386784	mg/L	1131.68907332	0.00799490	23.60617550	89.18492415	7.88	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	0.00093016	0.00093016	mg/L	47.72467979	0.00041306	44.40803047	3.69882610	7.75	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	nu	0.00487588	0.00487588	mg/L	1.87795986	0.00588443	120.68435366	0.70360606	37.47		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	0.00240409	0.00240409	mg/L	4.56506613	0.00149347	62.12229627	4.71263956	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	nu	-0.00007609	-0.00007609	mg/L	61.97166454	0.00443332	5826.04411166	2.32941629	3.76		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	nu	-0.00457049	-0.00457049	mg/L	-21.08282732	0.00559067	122.32092071	5.20751950	24.70	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	nu	0.00215675	0.00215675	mg/L	18.38194917	0.00371871	172.42230124	4.04449940	22.00	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	0.00452987	0.00452987	mg/L	38.77562609	0.00132334	29.21371039	4.83763249	12.48		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	nu	-0.00103785	-0.00103785	mg/L	14.75065676	0.00077315	74.49480298	2.52387971	17.11	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	nu	-0.00001279	-0.00001279	mg/L	48.68743244	0.00002996	234.21697745	13.07993203	26.87	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	0.00064441	0.00064441	mg/L	323.70858337	0.00004295	6.66564915	6.69526270	2.07	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.00835962	0.00835962	mg/L	5.06553153	0.00121035	14.47857818	1.17067084	23.11	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	nu	0.00017724	0.00017724	mg/L	48.00524757	0.00120545	680.14269197	19.37698471	40.36	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	0.00053773	0.00053773	mg/L	64.86166979	0.00040593	75.48876688	7.14294427	11.01	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		1.03	1.03	Ratio	370253.62	0.01	0.91	3353.84	0.91		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.14	1.14	Ratio	199568.58	0.02	1.70	3385.33	1.70		-	-	-	Fitted	-	-

Enthalpy Sequence Summary for Sequence 484294273

Instrument: MET06 Begun: 07/22/24 08:33
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master071	ICALBLK	CALBLANK			07/22/24 08:33	1.0	1	
002	met06_master071	ICAL	L1			07/22/24 08:37	1.0	2 1	
003	met06_master071	ICAL	L2			07/22/24 08:41	1.0	3 1	
004	met06_master071	ICAL	L3			07/22/24 08:44	1.0	4 1	
005	met06_master071	ICAL	L4			07/22/24 08:48	1.0	5 1	
006	met06_master071	ICAL	L5			07/22/24 08:52	1.0	6 1	
007	met06_master071	ICAL	L6			07/22/24 08:55	1.0	7 1	
008	met06_master071	ICAL	L7			07/22/24 08:59	1.0	8 1	
009	met06_master071	ICAL	L8			07/22/24 09:02	1.0	9 1	
010	met06_master071	ICV				07/22/24 09:06	1.0	10 1	
011	met06_master071	CRI				07/22/24 09:14	1.0	11 1	
012	met06_master071	ICB				07/22/24 09:18	1.0	1	
013	met06_master071	ICSA				07/22/24 09:21	1.0	12 1	6:MGASMGCO3=1400
014	met06_master071	ICSAB				07/22/24 09:25	1.0	13 1	6:MGASMGCO3=1400
015	met06_master071	BLANK	QC1171197	Water	345617	07/22/24 09:30	1.0	1	
016	met06_master071	LCS	QC1171198	Water	345617	07/22/24 09:34	1.0	1	
017	met06_master071	SAMPLE	512535-001	Water	345617	07/22/24 09:37	1.0	1	1:FE=39
018	met06_master071	SAMPLE	512437-011	Wipe	345536	07/22/24 09:42	1.0	1	1:FE=68
019	met06_master071	SAMPLE	512535-002	Water	345617	07/22/24 09:46	1.0	1	1:FE=48
020	met06_master071	SAMPLE	512535-003	Water	345617	07/22/24 09:50	1.0	1	
021	met06_master071	MSS	512535-004	Water	345617	07/22/24 09:53	1.0	1	3:CAASCACO3=700
022	met06_master071	MS	QC1171199	Water	345617	07/22/24 09:57	1.0	1	3:CAASCACO3=730
023	met06_master071	MSD	QC1171200	Water	345617	07/22/24 10:01	1.0	1	3:CAASCACO3=720
024	met06_master071	SAMPLE	512356-002	Wipe	345556	07/22/24 10:05	2.0	1	2:ZN=69
025	met06_master071	CCV				07/22/24 10:08	1.0	10 1	
026	met06_master071	CCB				07/22/24 10:12	1.0	1	
027	met06_master071	LCS	QC1171263	Miscell.	345632	07/22/24 10:16	1.0	1	
028	met06_master071	MSS	512537-001	Miscell.	345632	07/22/24 10:19	1.0	1	2:FEASFE2O3=77
029	met06_master071	MS	QC1171264	Miscell.	345632	07/22/24 10:23	1.0	1	3:FEASFE2O3=88

Instrument: MET06 Begun: 07/22/24 08:33
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master071	MSD	QC1171265	Miscell.	345632	07/22/24 10:27	1.0	1	3:FEASFE2O3=87
031	met06_master071	PDS	QC1171266	Miscell.	345632	07/22/24 10:30	1.0	1	2:FEASFE2O3=78
032	met06_master071	SAMPLE	512537-002	Miscell.	345632	07/22/24 10:34	1.0	1	1:FE=57
033	met06_master071	CCV				07/22/24 10:38	1.0	10 1	
034	met06_master071	CCB				07/22/24 10:41	1.0	1	
035	met06_master071	BLANK	QC1171139	WET Leachate	345607	07/22/24 10:45	1.0	1	
036	met06_master071	BS	QC1171140	WET Leachate	345607	07/22/24 10:49	1.0	1	
037	met06_master071	BSD	QC1171141	WET Leachate	345607	07/22/24 10:52	1.0	1	
038	met06_master071	SAMPLE	511769-001	WET Leachate	345607	07/22/24 10:56	1.0	1	
039	met06_master071	CCV				07/22/24 10:59	1.0	10 1	
040	met06_master071	CCB				07/22/24 11:03	1.0	1	
041	met06_master071	LCS	QC1171026	Soil	345578	07/22/24 11:07	1.0	1	
042	met06_master071	MS	QC1171027	Soil	345578	07/22/24 11:11	1.0	1	6:CAASCACO3=620
043	met06_master071	MSD	QC1171028	Soil	345578	07/22/24 11:14	1.0	1	6:ALASAL2O3=430
044	met06_master071	PDS	QC1171029	Soil	345578	07/22/24 11:18	1.0	1	5:CAASCACO3=490
045	met06_master071	SAMPLE	512412-001	Soil	345578	07/22/24 11:22	1.0	1	2:AL=260
046	met06_master071	SAMPLE	512426-005	Soil	345578	07/22/24 11:25	1.0	1	2:FE=190
047	met06_master071	SAMPLE	512487-001	Soil	345578	07/22/24 11:29	1.0	1	2:FE=110
048	met06_master071	SAMPLE	512487-002	Soil	345578	07/22/24 11:33	1.0	1	2:FE=100
049	met06_master071	SAMPLE	512463-001	Soil	345578	07/22/24 11:36	1.0	1	3:FE=150
050	met06_master071	CCV				07/22/24 11:40	1.0	10 1	
051	met06_master071	CCB				07/22/24 11:43	1.0	1	
052	met06_master071	BS	QC1171428	WET Leachate	345670	07/22/24 12:11	1.0	1	
053	met06_master071	BSD	QC1171429	WET Leachate	345670	07/22/24 12:14	1.0	1	
054	met06_master071	CCV				07/22/24 12:18	1.0	10 1	
055	met06_master071	CCB				07/22/24 12:22	1.0	1	
056	met06_master071	BS	QC1171428	WET Leachate	345670	07/22/24 13:32	1.0	1	
057	met06_master071	BSD	QC1171429	WET Leachate	345670	07/22/24 13:36	1.0	1	
058	met06_master071	CCV				07/22/24 13:39	1.0	10 1	

Enthalpy Sequence Summary for Sequence 484294273

Instrument: MET06 Begun: 07/22/24 08:33
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master071	CCB				07/22/24 13:43	1.0	1	
060	met06_master071	MSS	512475-001	Soil	345608	07/22/24 14:38	1.0	1	5:CAASCACO3=430
061	met06_master071	MS	QC1171144	Soil	345608	07/22/24 14:41	1.0	1	5:CAASCACO3=440
062	met06_master071	MSD	QC1171145	Soil	345608	07/22/24 14:45	1.0	1	5:CAASCACO3=400
063	met06_master071	PDS	QC1171146	Soil	345608	07/22/24 14:48	1.0	1	5:ALASAL2O3=300
064	met06_master071	CCV				07/22/24 14:52	1.0	10 1	
065	met06_master071	CCB				07/22/24 14:56	1.0	1	

SBW 07/22/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 027.

SBW 07/22/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 028 through 065.

Standards Used:
1=S16862 2=S20849 3=S20848 4=S20847 5=S20846 6=S20845 7=S20614 8=S20782 9=S20759 10=S21056 11=S20783 12=S21125 13=S21126

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	512356-002	Client ID:	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA
Seqnum:	484294273024	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master071	Batch:	345556	Time:	22-JUL-2024 10:05
Cal:	484294273001	Caldate:	22-JUL-2024		
IDF:	2.0	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	4.493	440	**0.52**		!<a- **y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1620340	1694670	4.59

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: 512356-002,345556, 2x | Sample Type: Unknown Sample

Measure Date: 2024-07-22 10:05:18 | 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	33173.60000	41281.80000	2977.000000	9132.240000	14358.50000	259631	6103.000000
Int RSD	*0.69966178*	*0.96827173*	*1.56596238*	*1.32328980*	*0.33968869*	*0.64335923*	*0.75044404*
Int SD	*232.10300000*	*399.72000000*	*46.61870000*	*120.84600000*	*48.77420000*	*1670.360000*	*45.79960000*
RelInt Mean	0.00001725	0.01259080	-0.00002118	0.00229628	0.00544192	0.11569000	0.00074183
RelInt RSD	*43.82977860*	*3.07256092*	*100.92148060*	*3.23361698*	*1.18210852*	*2.88452762*	*2.70577071*
RelInt SD	*0.00000756*	*0.00038686*	*0.00002138*	*0.00007425*	*0.00006433*	*0.00333711*	*0.00002007*
Conc Mean	<-0.00067590[mg/l]	1.63561000[mg/l]	<0.00270660[mg/l]	0.00726601[mg/l]	0.01572800[mg/l]	5.83295000[mg/l]	0.00356729[mg/l]
Conc RSD	*44.81688778*	*3.07197926*	*45.03214365*	*10.51493185*	*1.22957782*	*2.97568126*	*3.00317608*
Conc SD	*0.00030292[mg/l]*	*0.05024560[mg/l]*	*0.00121884[mg/l]*	*0.00076402[mg/l]*	*0.00019339[mg/l]*	*0.17357000[mg/l]*	*0.00010713[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	10172.50000	180823	12490500	5098.000000	27302.50000	425686	3756.440000
Int RSD	*0.45564217*	*1.09140430*	*0.36122333*	*1.58847980*	*1.32416445*	*0.15455359*	*1.14917848*
Int SD	*46.35020000*	*1973.510000*	*45118.60000*	*80.98070000*	*361.53000000*	*657.91300000*	*43.16820000*
RelInt Mean	0.00298136	0.00429770	7.39461000	0.00100949	0.00610922	0.24843300	-0.00009316
RelInt RSD	*0.89134154*	*1.40979826*	*0.72572996*	*2.80320756*	*3.20754532*	*0.59653911*	*19.89806926*
RelInt SD	*0.00002657*	*0.00006059*	*0.05366490*	*0.00002830*	*0.00019596*	*0.00148200*	*0.00001854*
Conc Mean	0.01885500[mg/l]	0.11781000[mg/l]	22.78590000[mg/l]	1.82156000[mg/l]	1.99099000[mg/l]	0.15912900[mg/l]	<-0.00091663[mg/l]
Conc RSD	*0.89573058*	*1.46244801*	*0.72565490*	*3.21261446*	*3.52541700*	*0.59794381*	*15.66503097*
Conc SD	*0.00016889[mg/l]*	*0.00172291[mg/l]*	*0.16534700[mg/l]*	*0.05851970[mg/l]*	*0.07019070[mg/l]*	*0.00095150[mg/l]*	*0.00014359[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	77059.60000	15571.20000	250494	4381.930000	2852.990000	5365.340000	34752.90000
Int RSD	*0.41880441*	*0.45003661*	*0.36823317*	*0.74445735*	*0.72195136*	*1.02153079*	*0.60710905*
Int SD	*322.72900000*	*70.07610000*	*922.40200000*	*32.62160000*	*20.59720000*	*54.80860000*	*210.98800000*
RelInt Mean	0.02869530	0.00609663	0.14527000	-0.00007845	-0.00003613	0.00119477	0.01032830
RelInt RSD	*2.32959056*	*0.37290930*	*0.39768844*	*23.09304238*	*27.59269972*	*1.66352520*	*2.03380034*
RelInt SD	*0.00066848*	*0.00002273*	*0.00057772*	*0.00001812*	*0.00000997*	*0.00001988*	*0.00021006*
Conc Mean	4.10772000[mg/l]	0.05003910[mg/l]	4.49339000[mg/l]	<-0.00375816[mg/l]	<-0.00007758[mg/l]	0.02399330[mg/l]	0.00896832[mg/l]
Conc RSD	*2.32315737*	*0.38229305*	*0.39698758*	*22.10347617*	*885.27700513*	*1.74010245*	*2.03329052*
Conc SD	*0.09542880[mg/l]*	*0.00019130[mg/l]*	*0.01783820[mg/l]*	*0.00083068[mg/l]*	*0.00068683[mg/l]*	*0.00041751[mg/l]*	*0.00018235[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	294276	2868.140000	8671.010000	1694670	35148400	2209080	27531100
Int RSD	*0.63472726*	*0.31089103*	*1.63609545*	*0.44200936*	*0.27820612*	*2.66632263*	*0.98843127*
Int SD	*1867.850000*	*8.91679000*	*141.86600000*	*7490.600000*	*97785.00000*	*58901.20000*	*272126*
RelInt Mean	0.00736819	-0.00020086	0.00004734	---	---	---	16.30330000
RelInt RSD	*0.81305450*	*5.13041357*	*9.93504491*	---	---	---	*1.36353376*
RelInt SD	*0.00005991*	*0.00001031*	*0.00000470*	---	---	---	*0.22230100*
Conc Mean	0.07063650[mg/l]	<-0.01386490[mg/l]	0.00392588[mg/l]	1688210	35092600	2195670	>69.44780000[mg/l]
Conc RSD	*0.81515081*	*5.50692035*	*21.28585183*	---	---	---	*1.36341396*
Conc SD	*0.00057579[mg/l]*	*0.00076353[mg/l]*	*0.00083566[mg/l]*	*7462.570000*	*98049.10000*	*58969.80000*	*0.94686100[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	5001.440000	13307.80000	337923	29333.60000	5094.110000	60381.30000	474968
Int RSD	*4.66599619*	*1.75513609*	*0.95496607*	*0.08885578*	*0.95148907*	*0.71618365*	*1.04427246*
Int SD	*233.36700000*	*233.57000000*	*3227.050000*	*26.06460000*	*48.46990000*	*432.44100000*	*4959.960000*
RelInt Mean	0.00001323	0.00007559	0.19637800	0.01545230	0.00005538	0.03348360	---
RelInt RSD	*427.72742734*	*44.16848338*	*1.41311654*	*0.60125030*	*12.99216679*	*0.61717378*	---
RelInt SD	*0.00005659*	*0.00003339*	*0.00277505*	*0.00009291*	*0.00000720*	*0.00020665*	---
Conc Mean	<0.00009467[mg/l]	<0.00152177[mg/l]	2.57769000[mg/l]	0.48269100[mg/l]	<0.00012404[mg/l]	2.49850000[mg/l]	474968
Conc RSD	*145.65673658*	*47.49285372*	*1.41821553*	*0.60582236*	*23.23559526*	*0.61614969*	---
Conc SD	*0.00013790[mg/l]*	*0.00072273[mg/l]*	*0.03655720[mg/l]*	*0.00292425[mg/l]*	*0.00002882[mg/l]*	*0.01539450[mg/l]*	*4959.960000*

	Ar 404.442						
Int Mean	399905						
Int RSD	*0.84982683*						
Int SD	*3398.500000*						
RelInt Mean	---						
RelInt RSD	---						

ENTHALPY INITIAL CALIBRATION FOR 512356 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	484294273001	Date:	22-JUL-2024 08:33
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master071	484294273002	L1	22-JUL-2024 08:37	S20849, S16862 (100X)
L2	met06_master071	484294273003	L2	22-JUL-2024 08:41	S20848, S16862 (100X)
L3	met06_master071	484294273004	L3	22-JUL-2024 08:44	S20847, S16862 (100X)
L4	met06_master071	484294273005	L4	22-JUL-2024 08:48	S20846, S16862 (100X)
L5	met06_master071	484294273006	L5	22-JUL-2024 08:52	S20845, S16862 (100X)
L6	met06_master071	484294273007	L6	22-JUL-2024 08:55	S20614, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00468	30.9145		0.0261	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	0.0238	0.0347	0.0352	0.0331	0.0321

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	33	0.0100	20	0.1000	12	1.0000	9	5.0000	2	10.000	-1

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	484294273001	Cal Date:	22-JUL-2024

- ICV 484294273010 (22-JUL-2024) stds: S21056, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.051	mg/l	5	10	

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:33:51	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	28915.00000	11463.00000	1693.230000	6830.100000	4547.030000	12971.20000	4095.510000
Int RSD	*1.05349473*	*1.73989357*	*0.88713878*	*0.33014744*	*0.95010589*	*2.33485722*	*0.37453943*
Int SD	*304.61800000*	*199.44400000*	*15.02130000*	*22.54940000*	*43.20160000*	*302.85900000*	*15.33930000*
RelInt Mean	0.00003413	-0.00000442	-0.00006978	0.00158099	0.00018044	0.00351833	0.00003335
RelInt RSD	*11.63411754*	*1420.953515*	*17.09306908*	*1.02853908*	*8.57910021*	*2.18345636*	*10.89944948*
RelInt SD	*0.00000397*	*0.00006278*	*0.00001193*	*0.00001626*	*0.00001548*	*0.00007682*	*0.00000364*

	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	4234.390000	31389.90000	6840.660000	2774.740000	13876.20000	5346.860000	2308.080000
Int RSD	*0.38885176*	*0.79790315*	*4.28392874*	*6.59687034*	*1.95539125*	*0.73334443*	*1.75766005*
Int SD	*16.46550000*	*250.46100000*	*293.04900000*	*183.04600000*	*271.33400000*	*39.21090000*	*40.56820000*
RelInt Mean	0.00000097	0.00015479	0.00098693	0.00012790	0.00054779	0.00029165	0.00000145
RelInt RSD	*2187.274220*	*1.88407819*	*17.88562941*	*46.47299823*	*1.42647496*	*5.84905143*	*609.67262007*
RelInt SD	*0.00002131*	*0.00000292*	*0.00017652*	*0.00005944*	*0.00000781*	*0.00001706*	*0.00000885*

	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	12445.30000	4588.420000	3905.950000	2577.380000	1862.170000	1818.420000	10994.30000
Int RSD	*1.61644958*	*0.28002886*	*0.62474174*	*1.48335907*	*2.02913268*	*0.21062791*	*1.72261081*
Int SD	*201.17200000*	*12.84890000*	*24.40210000*	*38.23180000*	*37.78590000*	*3.83010000*	*189.38900000*
RelInt Mean	-0.00008550	0.00012228	-0.00015635	0.00000101	-0.00003838	0.00004647	-0.00000495
RelInt RSD	*40.52899657*	*9.73920937*	*7.81798645*	*2825.975834*	*51.26134271*	*9.99582527*	*1364.922395*
RelInt SD	*0.00003465*	*0.00001191*	*0.00001222*	*0.00002842*	*0.00001968*	*0.00000465*	*0.00006762*

	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	30876.80000	1741.710000	6704.930000	1620340	34682700	2308700	2824.520000
Int RSD	*1.72436263*	*0.86381200*	*0.76935330*	*0.93161929*	*0.36220363*	*0.55890328*	*1.60549049*
Int SD	*532.42800000*	*15.04510000*	*51.58460000*	*15095.40000*	*125622*	*12903.40000*	*45.34740000*
RelInt Mean	0.00000750	-0.00002726	0.00002502	---	---	---	0.00020301
RelInt RSD	*104.86940682*	*46.37196900*	*7.22451557*	---	---	---	*12.59279145*
RelInt SD	*0.00000786*	*0.00001264*	*0.00000181*	---	---	---	*0.00002556*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	4384.600000	11919.00000	5685.910000	2065.370000	4082.160000	2356.800000	433731
Int RSD	*3.17417780*	*1.48116453*	*2.46836478*	*0.03495572*	*0.42286682*	*0.88720723*	*1.12716868*
Int SD	*139.17500000*	*176.54000000*	*140.34900000*	*0.72196500*	*17.26210000*	*20.90970000*	*4888.880000*
RelInt Mean	-0.00004271	0.00000265	0.00071876	0.00011991	0.00000053	-0.00005594	---
RelInt RSD	*76.20508090*	*957.35191374*	*12.78285054*	*2.71795150*	*3802.062655*	*23.95859961*	---
RelInt SD	*0.00003255*	*0.00002535*	*0.00009188*	*0.00000326*	*0.00002001*	*0.00001340*	---

	Ar 404.442						
Int Mean	367610						
Int RSD	*1.33835859*						
Int SD	*4919.940000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L1,S20849			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:37:29	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	29556.10000	11985.00000	1859.960000	7290.270000	6607.480000	15433.80000	4773.140000
Int RSD	*1.67601950*	*1.57660409*	*1.77042517*	*0.57042743*	*0.67306749*	*2.81514598*	*0.39249006*
Int SD	*495.36600000*	*188.95600000*	*32.92920000*	*41.58570000*	*44.47280000*	*434.48400000*	*18.73410000*
RelInt Mean	0.00003112	0.00019362	0.00001973	0.00180777	0.00139908	0.00456987	0.00040955
RelInt RSD	*7.19236789*	*23.58376159*	*163.75371890*	*1.44091339*	*0.97509077*	*4.19961618*	*2.00621164*
RelInt SD	*0.00000224*	*0.00004566*	*0.00003231*	*0.00002605*	*0.00001364*	*0.00019192*	*0.00000822*

	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	5386.810000	37148.20000	11995.10000	2759.490000	14146.30000	15803.20000	3167.610000
Int RSD	*0.47779669*	*1.04286345*	*0.52897850*	*3.21706547*	*0.87412963*	*0.66125848*	*0.22558522*
Int SD	*25.73800000*	*387.40500000*	*63.45150000*	*88.77460000*	*123.65700000*	*104.50000000*	*7.14566000*
RelInt Mean	0.00066857	0.00029584	0.00410533	0.00013183	0.00062479	0.00668404	0.00051633
RelInt RSD	*1.44669700*	*1.49916340*	*0.29033720*	*24.19917623*	*7.08545070*	*1.44236121*	*2.44764048*
RelInt SD	*0.00000967*	*0.00000444*	*0.00001192*	*0.00003190*	*0.00004427*	*0.00009641*	*0.00001264*

	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	13755.40000	5417.500000	4188.770000	2984.560000	2173.690000	2169.070000	58625.70000
Int RSD	*1.50291522*	*0.32666359*	*0.95536160*	*1.17707468*	*1.08836587*	*2.31771220*	*1.13457579*
Int SD	*206.73200000*	*17.69700000*	*40.01790000*	*35.13050000*	*23.65770000*	*50.27280000*	*665.15300000*
RelInt Mean	0.00044144	0.00060437	-0.00000803	0.00022740	0.00012678	0.00024177	0.02073630
RelInt RSD	*11.29936118*	*4.96019008*	*287.92165099*	*5.13887423*	*16.61486886*	*13.60117300*	*1.27296094*
RelInt SD	*0.00004988*	*0.00002998*	*0.00002311*	*0.00001169*	*0.00002106*	*0.00003288*	*0.00026397*

	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	44684.90000	2039.910000	7325.820000	1630320	34833800	2309710	10862.90000
Int RSD	*0.67717283*	*0.69078538*	*0.87475668*	*0.66006060*	*0.52954602*	*0.29231029*	*0.45451031*
Int SD	*302.59400000*	*14.09140000*	*64.08310000*	*10761.10000*	*184461*	*6751.520000*	*49.37300000*
RelInt Mean	0.00038287	0.00012054	0.00003968	---	---	---	0.00513553
RelInt RSD	*1.72807432*	*8.90771222*	*9.05568379*	---	---	---	*1.25590153*
RelInt SD	*0.00000662*	*0.00001074*	*0.00000359*	---	---	---	*0.00006450*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	5469.240000	12535.60000	5626.220000	2084.900000	5031.960000	2434.770000	439685
Int RSD	*1.70207195*	*1.54965857*	*0.90069354*	*3.34907190*	*0.54751429*	*1.52618522*	*0.51770245*
Int SD	*93.09040000*	*194.25900000*	*50.67500000*	*69.82480000*	*27.55070000*	*37.15910000*	*2276.260000*
RelInt Mean	0.00042611	0.00024999	0.00062884	0.00010744	0.00053831	-0.00002950	---
RelInt RSD	*10.25373849*	*32.36517245*	*3.05435405*	*49.12873112*	*2.52912361*	*45.28680468*	---
RelInt SD	*0.00004369*	*0.00008091*	*0.00001921*	*0.00005278*	*0.00001361*	*0.00001336*	---

	Ar 404.442						
Int Mean	373096						
Int RSD	*0.87603727*						
Int SD	*3268.460000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L2,S20848			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:41:07	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	29992.90000	11955.50000	2095.140000	8332.860000	10616.60000	17587.30000	5990.520000
Int RSD	*0.61408200*	*1.48488980*	*0.83755739*	*0.64215887*	*0.57647458*	*0.84305152*	*1.31393101*
Int SD	*184.18100000*	*177.52600000*	*17.54800000*	*53.51020000*	*61.20200000*	*148.27000000*	*78.71130000*
RelInt Mean	0.00003124	0.00022508	0.00013440	0.00238475	0.00379855	0.00547795	0.00110002
RelInt RSD	*12.79822049*	*34.78623441*	*0.61330769*	*0.47684244*	*0.73656527*	*2.71280315*	*3.20455992*
RelInt SD	*0.00000400*	*0.00007830*	*0.00000082*	*0.00001137*	*0.00002798*	*0.00014861*	*0.00003525*

	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	7449.230000	44799.50000	18596.50000	2979.310000	14574.20000	34014.40000	4768.670000
Int RSD	*1.17870303*	*0.56145939*	*0.97549539*	*1.57400875*	*0.94517709*	*0.38230573*	*0.76790384*
Int SD	*87.80430000*	*251.53100000*	*181.40800000*	*46.89460000*	*137.75200000*	*130.03900000*	*36.61880000*
RelInt Mean	0.00186803	0.00050481	0.00806300	0.00023170	0.00085684	0.01771350	0.00146184
RelInt RSD	*2.26633405*	*1.30895995*	*1.40203398*	*11.69361904*	*9.38106370*	*0.42951195*	*1.05439720*
RelInt SD	*0.00004234*	*0.00000661*	*0.00011305*	*0.00002709*	*0.00008038*	*0.00007608*	*0.00001541*

	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	16054.20000	6871.850000	4679.820000	3766.290000	2689.440000	2725.590000	145434
Int RSD	*1.01660002*	*0.88617330*	*0.55844883*	*0.90889708*	*1.32758864*	*0.92064104*	*1.58140462*
Int SD	*163.20700000*	*60.89650000*	*26.13440000*	*34.23170000*	*35.70470000*	*25.09290000*	*2299.900000*
RelInt Mean	0.00144159	0.00143473	0.00023760	0.00068223	0.00041968	0.00056376	0.05848690
RelInt RSD	*7.58273850*	*2.37439797*	*2.56983106*	*3.30924063*	*6.32218280*	*1.75667574*	*3.37073772*
RelInt SD	*0.00010931*	*0.00003407*	*0.00000611*	*0.00002258*	*0.00002653*	*0.00000990*	*0.00197144*

	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	70300.50000	2571.430000	8072.350000	1641390	34910400	2311880	15216.60000
Int RSD	*0.70483425*	*1.37915479*	*0.79652394*	*0.19333065*	*0.34758697*	*1.96359673*	*0.79112285*
Int SD	*495.50200000*	*35.46400000*	*64.29820000*	*3173.310000*	*121344*	*45396.00000*	*120.38200000*
RelInt Mean	0.00110340	0.00042857	0.00005648	---	---	---	0.00772607
RelInt RSD	*1.15624434*	*2.84462624*	*4.04831510*	---	---	---	*1.02032599*
RelInt SD	*0.00001276*	*0.00001219*	*0.00000229*	---	---	---	*0.00007883*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	7518.010000	13010.10000	5921.750000	2159.720000	6796.950000	2421.600000	438608
Int RSD	*2.25283020*	*1.10143658*	*0.42330054*	*0.52604504*	*1.35402938*	*1.01130244*	*1.21330664*
Int SD	*169.36800000*	*143.29800000*	*25.06680000*	*11.36110000*	*92.03270000*	*24.48970000*	*5321.660000*
RelInt Mean	0.00131224	0.00048499	0.00077396	0.00013203	0.00155331	-0.00007549	---
RelInt RSD	*5.16599098*	*7.06155372*	*1.18838821*	*4.80467614*	*3.63775422*	*13.61684372*	---
RelInt SD	*0.00006779*	*0.00003425*	*0.00000920*	*0.00000634*	*0.00005651*	*0.00001028*	---

	Ar 404.442						
Int Mean	373049						
Int RSD	*1.42084552*						
Int SD	*5300.450000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L3,S20847			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:44:45	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	30147.40000	15626.40000	4783.360000	22562.40000	62914.30000	60682.00000	21130.40000
Int RSD	*0.62114146*	*0.93516741*	*0.84059740*	*0.26919388*	*0.23406761*	*0.50998813*	*0.71898781*
Int SD	*187.25800000*	*146.13300000*	*40.20880000*	*60.73660000*	*147.26200000*	*309.47100000*	*151.92500000*
RelInt Mean	0.00003388	0.00171248	0.00178202	0.01111660	0.03591750	0.02463300	0.01037920
RelInt RSD	*14.15860432*	*4.74675325*	*1.21134443*	*0.17343702*	*0.41363959*	*0.93397069*	*0.92798096*
RelInt SD	*0.00000480*	*0.00008129*	*0.00002159*	*0.00001928*	*0.00014857*	*0.00023007*	*0.00009632*

	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	32844.50000	152655	122690	5020.640000	20895.70000	283830	24424.40000
Int RSD	*0.52139932*	*0.68878844*	*0.28777162*	*2.39993308*	*0.15589284*	*0.26802769*	*0.57947790*
Int SD	*171.25100000*	*1051.470000*	*353.06700000*	*120.49200000*	*32.57490000*	*760.74300000*	*141.53400000*
RelInt Mean	0.01743880	0.00358438	0.07201160	0.00112867	0.00363244	0.17113900	0.01352240
RelInt RSD	*0.79009450*	*2.06126025*	*0.52606247*	*2.37180930*	*0.82602879*	*0.52486166*	*0.61659617*
RelInt SD	*0.00013778*	*0.00007388*	*0.00037883*	*0.00002677*	*0.00003000*	*0.00089824*	*0.00008338*

	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	47595.30000	26056.70000	10001.00000	13226.20000	9338.440000	10385.50000	1315220
Int RSD	*0.66757222*	*0.37621341*	*0.68735826*	*0.95173217*	*0.53174620*	*0.91765442*	*1.34537188*
Int SD	*317.73300000*	*98.02880000*	*68.74270000*	*125.87800000*	*49.65680000*	*95.30300000*	*17694.60000*
RelInt Mean	0.01537020	0.01319160	0.00347476	0.00646279	0.00448256	0.00525791	0.57641700
RelInt RSD	*0.59569361*	*0.60389869*	*1.02987832*	*1.00103825*	*0.59793288*	*1.10840429*	*0.38077815*
RelInt SD	*0.00009156*	*0.00007966*	*0.00003579*	*0.00006470*	*0.00002680*	*0.00005828*	*0.00219487*

	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	404580	9075.570000	17125.20000	1633330	34930700	2274590	122787
Int RSD	*1.30193781*	*0.58875641*	*0.08524630*	*0.24888541*	*1.46519537*	*1.32066438*	*0.10814418*
Int SD	*5267.380000*	*53.43300000*	*14.59860000*	*4065.120000*	*511803*	*30039.70000*	*132.78700000*
RelInt Mean	0.01066790	0.00440387	0.00031358	---	---	---	0.07381030
RelInt RSD	*2.77432297*	*0.72904286*	*1.47904522*	---	---	---	*0.34530818*
RelInt SD	*0.00029596*	*0.00003211*	*0.00000464*	---	---	---	*0.00025487*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	34823.80000	23109.30000	6386.420000	2224.900000	28846.00000	2494.170000	446348
Int RSD	*0.16620415*	*0.39761005*	*0.18940815*	*2.93037889*	*0.38486792*	*0.68508562*	*1.88314051*
Int SD	*57.87860000*	*91.88490000*	*12.09640000*	*65.19800000*	*111.01900000*	*17.08720000*	*8405.360000*
RelInt Mean	0.01337840	0.00492347	0.00102580	0.00016315	0.01506500	-0.00004298	---
RelInt RSD	*0.79268074*	*2.25219205*	*0.32035679*	*22.69503763*	*0.29472619*	*43.73257886*	---
RelInt SD	*0.00010605*	*0.00011089*	*0.00000329*	*0.00003703*	*0.00004440*	*0.00001880*	---

	Ar 404.442						
Int Mean	377735						
Int RSD	*1.90011781*						
Int SD	*7177.410000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L4,S20846			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:48:24	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	31445.50000	50416.00000	31025.10000	162037	569583	468312	162742
Int RSD	*0.84113148*	*0.61878174*	*1.12273933*	*0.11211020*	*0.07215665*	*0.15433621*	*0.17315198*
Int SD	*264.49800000*	*311.96500000*	*348.33100000*	*181.66000000*	*410.99200000*	*722.77500000*	*281.79100000*
RelInt Mean	0.00003428	0.01644650	0.01823550	0.09912880	0.35587800	0.20640500	0.09961950
RelInt RSD	*6.02318810*	*0.20856231*	*0.97684736*	*0.36463974*	*0.39235637*	*0.92347085*	*0.51846877*
RelInt SD	*0.00000206*	*0.00003430*	*0.00017813*	*0.00036146*	*0.00139631*	*0.00190609*	*0.00051650*

	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	274014	1209820	1127810	25273.20000	81499.90000	2690320	216013
Int RSD	*0.11439087*	*0.31806715*	*0.18041337*	*1.12892313*	*0.29901877*	*0.45606099*	*0.44226505*
Int SD	*313.44700000*	*3848.040000*	*2034.720000*	*285.31500000*	*243.70000000*	*12269.50000*	*955.35000000*
RelInt Mean	0.16959500	0.03504800	0.70687400	0.01013120	0.03053490	1.69141000	0.13440600
RelInt RSD	*0.25339485*	*0.33868694*	*0.28013338*	*1.11501105*	*1.06283302*	*0.22461615*	*0.77736857*
RelInt SD	*0.00042974*	*0.00011870*	*0.00198019*	*0.00011296*	*0.00032454*	*0.00379918*	*0.00104483*

	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	337275	210204	60483.40000	109995	74011.40000	83420.00000	12932900
Int RSD	*0.43998518*	*0.09051493*	*0.92082456*	*0.65977635*	*1.14219566*	*1.17166507*	*1.09108553*
Int SD	*1483.960000*	*190.26600000*	*556.94600000*	*725.72100000*	*845.35500000*	*977.40300000*	*141109*
RelInt Mean	0.14432500	0.12929100	0.03520410	0.06740180	0.04525200	0.05128750	5.75916000
RelInt RSD	*0.83870431*	*0.24806676*	*0.68304828*	*0.43518422*	*0.86191771*	*0.91885937*	*1.20055182*
RelInt SD	*0.00121046*	*0.00032073*	*0.00024046*	*0.00029332*	*0.00039004*	*0.00047126*	*0.06914170*

	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	3716460	72935.10000	106883	1592920	33658100	2255710	1159340
Int RSD	*0.72110557*	*0.42248108*	*0.44048165*	*0.32448208*	*0.55551561*	*0.92090295*	*0.65737920*
Int SD	*26799.60000*	*308.13700000*	*470.80000000*	*5168.740000*	*186976*	*20772.90000*	*7621.260000*
RelInt Mean	0.10942700	0.04457660	0.00297781	---	---	---	0.72842500
RelInt RSD	*0.23694152*	*0.21222300*	*0.60576061*	---	---	---	*0.36368603*
RelInt SD	*0.00025928*	*0.00009460*	*0.00001804*	---	---	---	*0.00264918*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	293903	117398	8307.280000	2774.290000	240537	2835.760000	456582
Int RSD	*0.53260429*	*1.70219254*	*0.37384800*	*2.46074852*	*0.43878073*	*1.49246410*	*0.70583159*
Int SD	*1565.340000*	*1998.340000*	*31.05660000*	*68.26830000*	*1055.430000*	*42.32270000*	*3222.700000*
RelInt Mean	0.12879800	0.04674680	0.00212821	0.00038566	0.14855300	0.00006246	---
RelInt RSD	*1.02280315*	*2.27151377*	*0.81388115*	*13.81333299*	*0.71404818*	*33.28257744*	---
RelInt SD	*0.00131735*	*0.00106186*	*0.00001732*	*0.00005327*	*0.00106074*	*0.00002079*	---

	Ar 404.442						
Int Mean	378809						
Int RSD	*0.80710596*						
Int SD	*3057.390000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L5,S20845			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:52:02	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	34348.70000	193304	138936	793259	2622190	2191850	776792
Int RSD	*0.99464900*	*0.59273993*	*0.16530345*	*0.70292931*	*0.46127474*	*0.77584689*	*0.32885895*
Int SD	*341.64900000*	*1145.790000*	*229.66600000*	*5576.050000*	*12095.50000*	*17005.40000*	*2554.550000*
RelInt Mean	0.00004036	0.07796530	0.08766710	0.50712400	1.68423000	0.98987200	0.49632700
RelInt RSD	*13.66338130*	*0.21725819*	*0.28330582*	*0.87485309*	*0.35886844*	*0.62949351*	*0.37330228*
RelInt SD	*0.00000551*	*0.00016939*	*0.00024837*	*0.00443659*	*0.00604417*	*0.00623118*	*0.00185280*

	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	1230260	5710690	5209510	111882	326671	12571900	1067980
Int RSD	*0.54904410*	*0.70979339*	*0.43365499*	*0.30436710*	*0.26983111*	*0.79435885*	*0.45618270*
Int SD	*6754.670000*	*40534.10000*	*22591.30000*	*340.53200000*	*881.46000000*	*99866.00000*	*4871.940000*
RelInt Mean	0.78759900	0.17533200	3.34899000	0.04944530	0.14170900	8.08838000	0.68511100
RelInt RSD	*0.33685416*	*1.02800402*	*0.25298314*	*1.11482790*	*0.68848697*	*0.79241826*	*0.43747072*
RelInt SD	*0.00265306*	*0.00180242*	*0.00847238*	*0.00055123*	*0.00097565*	*0.06409380*	*0.00299716*

	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	1572560	985044	262582	506650	346246	379799	59409100
Int RSD	*1.37110190*	*0.36102144*	*0.19245493*	*0.54022303*	*0.46305517*	*0.26109758*	*0.47449128*
Int SD	*21561.40000*	*3556.220000*	*505.35200000*	*2737.040000*	*1603.310000*	*991.64600000*	*281891*
RelInt Mean	0.70504000	0.63006700	0.16539100	0.32343600	0.22111100	0.24269200	26.90170000
RelInt RSD	*0.86132844*	*0.09231526*	*0.29352565*	*0.71322611*	*0.66574255*	*0.31947819*	*0.46223845*
RelInt SD	*0.00607271*	*0.00058165*	*0.00048546*	*0.00230683*	*0.00147203*	*0.00077535*	*0.12435000*

	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	17287400	331221	469113	1559840	32347200	2219980	5610740
Int RSD	*0.78772979*	*0.46874745*	*1.28832072*	*0.26763707*	*0.50700833*	*0.90606672*	*0.67111468*
Int SD	*136178*	*1552.590000*	*6043.680000*	*4174.710000*	*164003*	*20114.50000*	*37654.50000*
RelInt Mean	0.53343300	0.21121000	0.01426420	---	---	---	3.60866000
RelInt RSD	*1.15706940*	*0.62387198*	*1.61118044*	---	---	---	*0.42942533*
RelInt SD	*0.00617219*	*0.00131768*	*0.00022982*	---	---	---	*0.01549650*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	1395880	532604	17183.70000	5043.730000	1197660	4204.910000	495114
Int RSD	*1.12911568*	*0.33736134*	*1.40106031*	*0.56775244*	*0.26058314*	*0.66854939*	*0.46881526*
Int SD	*15761.10000*	*1796.800000*	*240.75400000*	*28.63590000*	*3120.900000*	*28.11190000*	*2321.170000*
RelInt Mean	0.62879800	0.23456900	0.00736702	0.00142676	0.76670000	0.00053118	---
RelInt RSD	*0.75037134*	*0.66626877*	*2.46379133*	*1.13083490*	*0.48345376*	*2.97279438*	---
RelInt SD	*0.00471832*	*0.00156286*	*0.00018151*	*0.00001613*	*0.00370664*	*0.00001579*	---

	Ar 404.442						
Int Mean	374087						
Int RSD	*0.64133210*						
Int SD	*2399.140000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L6,S20614	Sample Type: Calibration Sample		
Measure Date: 2024-07-22 08:55:41	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	38194.00000	363593	269545	1467450	5030540	4206740	1396520
Int RSD	*0.75659789*	*1.18020974*	*0.42534642*	*0.10402944*	*0.23869008*	*0.32720824*	*0.06088806*
Int SD	*288.97500000*	*4291.160000*	*1146.500000*	*1526.580000*	*12007.40000*	*13764.80000*	*850.31400000*
RelInt Mean	-0.00006142	0.15337900	0.17524800	0.96309700	3.31076000	1.91214000	0.91569700
RelInt RSD	*318.78359854*	*1.42760743*	*0.49248379*	*0.38192622*	*0.17221423*	*0.16036273*	*0.32397289*
RelInt SD	*0.00019581*	*0.00218965*	*0.00086307*	*0.00367832*	*0.00570160*	*0.00306636*	*0.00296661*

	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	2393710	11171900	9765720	214452	626886	23383500	1930350
Int RSD	*0.11247352*	*0.61843822*	*0.05434121*	*1.11469233*	*1.16480030*	*0.56162251*	*0.40245396*
Int SD	*2692.290000*	*69091.30000*	*5306.810000*	*2390.480000*	*7301.970000*	*131327*	*7768.770000*
RelInt Mean	1.57187000	0.35223800	6.43064000	0.09631090	0.27871200	15.40470000	1.26909000
RelInt RSD	*0.26825946*	*0.72669048*	*0.33634910*	*1.21291567*	*1.32214616*	*0.27128993*	*0.41196448*
RelInt SD	*0.00421669*	*0.00255968*	*0.02162940*	*0.00116817*	*0.00368498*	*0.04179140*	*0.00522820*

	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	3089060	1780550	494059	999431	661189	721770	106824000
Int RSD	*0.58741494*	*0.25296004*	*0.18316841*	*0.31748265*	*0.28172580*	*0.15122685*	*0.31550775*
Int SD	*18145.60000*	*4504.080000*	*904.96000000*	*3173.020000*	*1862.740000*	*1091.510000*	*337038*
RelInt Mean	1.39805000	1.16835000	0.32111400	0.65496300	0.43348600	0.47340400	48.63630000
RelInt RSD	*0.10321448*	*0.16291351*	*0.38372354*	*0.11015569*	*0.13629737*	*0.50643214*	*0.79571842*
RelInt SD	*0.00144299*	*0.00190340*	*0.00123219*	*0.00072148*	*0.00059083*	*0.00239747*	*0.38700800*

	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	32658000	609925	895255	1524570	31583000	2208320	10621700
Int RSD	*0.69164064*	*0.16250555*	*0.88014588*	*0.37486439*	*0.32257227*	*0.48729351*	*0.15357335*
Int SD	*225876*	*991.16200000*	*7879.550000*	*5715.070000*	*101878*	*10761.00000*	*16312.10000*
RelInt Mean	1.03306000	0.39908600	0.02806850	---	---	---	6.99540000
RelInt RSD	*0.80347221*	*0.35520164*	*0.99196252*	---	---	---	*0.41909398*
RelInt SD	*0.00830035*	*0.00141756*	*0.00027843*	---	---	---	*0.02931730*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	2696480	1027290	27426.40000	7351.240000	2222610	5671.390000	543988
Int RSD	*0.59179745*	*1.48812896*	*0.37693244*	*0.30872479*	*0.25806552*	*0.51887985*	*0.88148452*
Int SD	*15957.70000*	*15287.40000*	*103.37900000*	*22.69510000*	*5735.790000*	*29.42770000*	*4795.170000*
RelInt Mean	1.22359000	0.46010500	0.01382740	0.00254111	1.45879000	0.00114922	---
RelInt RSD	*0.10453747*	*1.63081471*	*0.95594255*	*0.43107146*	*0.22496521*	*0.50539235*	---
RelInt SD	*0.00127911*	*0.00750346*	*0.00013218*	*0.00001095*	*0.00328177*	*0.00000581*	---

	Ar 404.442						
Int Mean	372736						
Int RSD	*1.37253981*						
Int SD	*5115.950000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L7,S20782			Sample Type: Calibration Sample
Measure Date: 2024-07-22 08:59:20	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	1802650	11823.00000	1863.460000	7795.630000	4823.150000	12824.80000	4373.390000
Int RSD	*0.85589549*	*0.91892921*	*1.34620008*	*1.57587007*	*0.74175383*	*1.18814328*	*0.87176538*
Int SD	*15428.80000*	*108.64500000*	*25.08590000*	*122.84900000*	*35.77590000*	*152.37700000*	*38.12570000*
RelInt Mean	0.04996450	0.00000847	-0.00004212	0.00195765	0.00016944	0.00341653	0.00004541
RelInt RSD	*1.16046793*	*1234.946832*	*40.05673658*	*4.29260593*	*18.71159453*	*1.70893860*	*49.39048697*
RelInt SD	*0.00057982*	*0.00010465*	*0.00001687*	*0.00008403*	*0.00003171*	*0.00005839*	*0.00002243*

	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	4576.220000	33043.80000	7871.960000	2964.680000	13955.70000	5770.450000	5559.310000
Int RSD	*0.21327668*	*0.38763399*	*2.54552869*	*1.46290325*	*2.10180070*	*1.59334367*	*11.13163324*
Int SD	*9.76001000*	*128.08900000*	*200.38300000*	*43.37040000*	*293.32100000*	*91.94310000*	*618.84200000*
RelInt Mean	0.00003144	0.00015270	0.00138559	0.00016857	0.00047158	0.00035459	0.00187649
RelInt RSD	*11.07594494*	*1.16652041*	*8.47840992*	*27.54744404*	*19.16357599*	*16.48895068*	*20.06501500*
RelInt SD	*0.00000348*	*0.00000178*	*0.00011748*	*0.00004644*	*0.00009037*	*0.00005847*	*0.00037652*

	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	12782.30000	4849.200000	4182.950000	2821.340000	2050.370000	2022.560000	11987.60000
Int RSD	*1.75601418*	*0.61072754*	*0.67223132*	*0.73194652*	*1.50379200*	*2.01598964*	*1.77555975*
Int SD	*224.45900000*	*29.61540000*	*28.11910000*	*20.65070000*	*30.83330000*	*40.77460000*	*212.84700000*
RelInt Mean	-0.00010336	0.00012268	-0.00014375	0.00003471	-0.00001152	0.00009720	0.00035013
RelInt RSD	*52.00688828*	*18.49563077*	*10.50567308*	*43.05229468*	*158.63748437*	*32.36431576*	*19.25225557*
RelInt SD	*0.00005376*	*0.00002269*	*0.00001510*	*0.00001494*	*0.00001827*	*0.00003146*	*0.00006741*

	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	40553.30000	1915.200000	7235.840000	1668500	35458800	2282460	3044.710000
Int RSD	*1.48955572*	*0.67090643*	*0.38180502*	*0.97368295*	*0.38317992*	*2.01255663*	*1.13874556*
Int SD	*604.06400000*	*12.84920000*	*27.62680000*	*16245.90000*	*135871*	*45935.80000*	*34.67150000*
RelInt Mean	0.00022705	-0.00000389	0.00002874	---	---	---	0.00023071
RelInt RSD	*9.61722256*	*182.27595403*	*6.34578512*	---	---	---	*9.31588552*
RelInt SD	*0.00002184*	*0.00000709*	*0.00000182*	---	---	---	*0.00002149*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	4492.680000	12481.30000	5930.520000	2199.090000	4396.610000	2456.110000	452486
Int RSD	*2.47137566*	*1.82776634*	*0.80844513*	*1.65352487*	*0.10112337*	*1.21262891*	*1.23292875*
Int SD	*111.03100000*	*228.12900000*	*47.94500000*	*36.36250000*	*4.44600000*	*29.78350000*	*5578.830000*
RelInt Mean	-0.00003510	0.00012727	0.00068954	0.00011726	0.00002592	-0.00008575	---
RelInt RSD	*203.53351454*	*9.49242168*	*5.67325653*	*12.42782947*	*34.09370490*	*22.54675935*	---
RelInt SD	*0.00007144*	*0.00001208*	*0.00003912*	*0.00001457*	*0.00000884*	*0.00001933*	---

	Ar 404.442						
Int Mean	383898						
Int RSD	*0.98961182*						
Int SD	*3799.100000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICAL,L8,S20759			Sample Type: Calibration Sample
Measure Date: 2024-07-22 09:02:59	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	31335.40000	12111.80000	1878.790000	7518.710000	4849.280000	12936.90000	4393.910000
Int RSD	*0.73727158*	*1.25053254*	*1.45344610*	*0.20182984*	*0.93962403*	*3.66818171*	*0.54771718*
Int SD	*231.02700000*	*151.46200000*	*27.30720000*	*15.17500000*	*45.56500000*	*474.54900000*	*24.06620000*
RelInt Mean	0.00003790	0.00006547	-0.00004248	0.00171493	0.00013068	0.00338915	0.00001062
RelInt RSD	*19.96556755*	*51.46541743*	*37.41148943*	*0.45000496*	*19.72887348*	*3.84178924*	*48.92833941*
RelInt SD	*0.00000757*	*0.00003369*	*0.00001589*	*0.00000772*	*0.00002578*	*0.00013020*	*0.00000520*

	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	4649.920000	33675.90000	8716.310000	2897.770000	14290.20000	6231.910000	3161.630000
Int RSD	*0.93641826*	*0.67007563*	*0.17636592*	*0.60971368*	*0.48036207*	*1.18361947*	*1.42035596*
Int SD	*43.54270000*	*225.65400000*	*15.37260000*	*17.66810000*	*68.64470000*	*73.76210000*	*44.90640000*
RelInt Mean	0.00007016	0.00015136	0.00182578	0.00011626	0.00053875	0.00057834	0.00038599
RelInt RSD	*25.27696656*	*3.37484970*	*0.48625464*	*11.25379554*	*8.43934455*	*5.44055095*	*6.77792257*
RelInt SD	*0.00001773*	*0.00000511*	*0.00000888*	*0.00001308*	*0.00004547*	*0.00003147*	*0.00002616*

	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	13284.10000	7733.540000	4260.520000	2827.170000	2028.720000	2039.090000	11667.40000
Int RSD	*0.91827824*	*1.24336720*	*0.94315483*	*1.10508742*	*1.61920324*	*1.68064676*	*1.93241853*
Int SD	*121.98500000*	*96.15630000*	*40.18330000*	*31.24270000*	*32.84910000*	*34.26990000*	*225.46300000*
RelInt Mean	-0.00000895	0.00178164	-0.00014677	0.00000788	-0.00003656	0.00008505	0.00009022
RelInt RSD	*411.16996850*	*2.85398285*	*3.81284876*	*309.74759006*	*57.50923064*	*16.02159602*	*91.85849967*
RelInt SD	*0.00003680*	*0.00005085*	*0.00000560*	*0.00002442*	*0.00002103*	*0.00001363*	*0.00008288*

	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	39766.80000	1898.030000	7374.670000	1703630	36469600	2316890	3338.220000
Int RSD	*1.93724916*	*1.81611987*	*1.32595221*	*0.91688336*	*1.03677858*	*0.56287955*	*1.05927710*
Int SD	*770.38200000*	*34.47050000*	*97.78460000*	*15620.30000*	*378109*	*13041.30000*	*35.36100000*
RelInt Mean	0.00018381	-0.00003469	0.00002879	---	---	---	0.00037390
RelInt RSD	*9.15809804*	*39.04495030*	*9.56220782*	---	---	---	*4.03675859*
RelInt SD	*0.00001683*	*0.00001354*	*0.00000275*	---	---	---	*0.00001509*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	4582.050000	12441.20000	1296390	542030	4436.440000	230640	451103
Int RSD	*1.46647243*	*0.92715333*	*0.22243384*	*0.28301386*	*0.22080655*	*0.22607657*	*0.60860158*
Int SD	*67.19450000*	*115.34900000*	*2883.610000*	*1534.020000*	*9.79595000*	*521.42300000*	*2745.420000*
RelInt Mean	-0.00002818	0.00003481	0.75977100	0.31776300	0.00001544	0.13418300	---
RelInt RSD	*38.76050420*	*45.35269853*	*1.06708732*	*1.20889468*	*128.83457040*	*0.96887087*	---
RelInt SD	*0.00001092*	*0.00001579*	*0.00810742*	*0.00384142*	*0.00001989*	*0.00130006*	---

	Ar 404.442						
Int Mean	383224						
Int RSD	*1.05467559*						
Int SD	*4041.770000*						
RelInt Mean	---						
RelInt RSD	---						
RelInt SD	---						

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICV,S21056 | Sample Type: Control Sample

Measure Date: 2024-07-22 09:06:51 | 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	445255	38760.20000	30795.70000	162968	552160	2185080	321378
Int RSD	*1.07622823*	*1.20858252*	*0.28313174*	*0.13769697*	*0.29493987*	*0.17758023*	*0.16718599*
Int SD	*4791.960000*	*468.44900000*	*87.19240000*	*224.40200000*	*1628.540000*	*3880.270000*	*537.29900000*
RelInt Mean	0.01230170	0.00788193	0.01768020	0.09800200	0.33964600	0.97960300	0.19639000
RelInt RSD	*1.22268467*	*0.83199166*	*1.10456330*	*0.94614090*	*0.90284885*	*0.23356707*	*0.96246754*
RelInt SD	*0.00015041*	*0.00006558*	*0.00019529*	*0.00092724*	*0.00306649*	*0.00228803*	*0.00189019*
Conc Mean	0.49138700[mg/l]	1.02403000[mg/l]	1.01097000[mg/l]	0.99204500[mg/l]	1.01751000[mg/l]	50.76610000[mg/l]	1.05091000[mg/l]
Conc RSD	*1.22591155*	*0.83155962*	*1.10030960*	*0.96176081*	*0.90412379*	*0.23450689*	*0.96353636*
Conc SD	*0.00602397[mg/l]*	*0.00851542[mg/l]*	*0.01112380[mg/l]*	*0.00954110[mg/l]*	*0.00919955[mg/l]*	*0.11905000[mg/l]*	*0.01012590[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	258303	1172770	553631	66321.00000	321076	2554160	206094
Int RSD	*0.29871856*	*0.93534112*	*0.20444484*	*0.93245126*	*0.42112459*	*0.13938399*	*0.46123128*
Int SD	*771.59900000*	*10969.40000*	*1131.870000*	*618.41100000*	*1352.130000*	*3560.090000*	*950.57000000*
RelInt Mean	0.15703300	0.03395110	0.33991500	0.02860060	0.13804200	1.58229000	0.12617900
RelInt RSD	*1.00578859*	*1.01677118*	*0.88160570*	*1.02702391*	*0.54177642*	*0.95555808*	*0.78915509*
RelInt SD	*0.00157942*	*0.00034521*	*0.00299671*	*0.00029374*	*0.00074788*	*0.01511970*	*0.00099575*
Conc Mean	0.99783800[mg/l]	0.96091300[mg/l]	1.04420000[mg/l]	58.88090000[mg/l]	49.24780000[mg/l]	1.01547000[mg/l]	0.97717500[mg/l]
Conc RSD	*1.00601500*	*1.02129433*	*0.88446849*	*1.03155353*	*0.54395526*	*0.95573281*	*0.78905825*
Conc SD	*0.01003840[mg/l]*	*0.00981375[mg/l]*	*0.00923562[mg/l]*	*0.60738800[mg/l]*	*0.26788600[mg/l]*	*0.00970518[mg/l]*	*0.00771048[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	814471	201382	59506.20000	37818.20000	25751.10000	384069	2500260
Int RSD	*0.59217332*	*0.54581343*	*0.56341188*	*0.47404953*	*0.16779283*	*0.49093522*	*0.46562757*
Int SD	*4823.080000*	*1099.170000*	*335.26500000*	*179.27700000*	*43.20850000*	*1885.530000*	*11641.90000*
RelInt Mean	0.35967700	0.12161400	0.03386720	0.02150000	0.01450730	0.23712400	1.11896000
RelInt RSD	*0.65341682*	*1.00481030*	*1.41685466*	*0.34127535*	*0.71384062*	*0.87682816*	*0.23472778*
RelInt SD	*0.00235019*	*0.00122199*	*0.00047985*	*0.00007337*	*0.00010356*	*0.00207917*	*0.00262651*
Conc Mean	51.35930000[mg/l]	1.02194000[mg/l]	1.05124000[mg/l]	0.98105000[mg/l]	1.00189000[mg/l]	4.97943000[mg/l]	0.97145500[mg/l]
Conc RSD	*0.65329356*	*1.00650723*	*1.41073399*	*0.33776770*	*0.71200232*	*0.87693170*	*0.23460994*
Conc SD	*0.33552700[mg/l]*	*0.01028590[mg/l]*	*0.01483020[mg/l]*	*0.00331367[mg/l]*	*0.00713348[mg/l]*	*0.04366620[mg/l]*	*0.00227913[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	3552740	25481.40000	192063	1616520	33629300	2236550	391676
Int RSD	*1.09358411*	*0.50043954*	*1.73999677*	*0.88913221*	*0.24106003*	*0.29050547*	*0.66591775*
Int SD	*38852.20000*	*127.51900000*	*3341.890000*	*14373.00000*	*81066.80000*	*6497.300000*	*2608.240000*
RelInt Mean	0.10462800	0.01437920	0.00549810	---	---	---	0.24120900
RelInt RSD	*1.15528348*	*1.20298069*	*1.83030501*	---	---	---	*1.02365583*
RelInt SD	*0.00120875*	*0.00017298*	*0.00010063*	---	---	---	*0.00246915*
Conc Mean	1.00544000[mg/l]	1.06288000[mg/l]	0.97194800[mg/l]	1610310	33573700	2223610	1.02584000[mg/l]
Conc RSD	*1.15578254*	*1.20433163*	*1.83925477*	---	---	---	*1.02478944*
Conc SD	*0.01162070[mg/l]*	*0.01280060[mg/l]*	*0.01787660[mg/l]*	*14349.20000*	*81071.60000*	*6531.520000*	*0.01051270[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	935578	115295	689466	270988	472369	119283	459605
Int RSD	*0.43627041*	*0.84026280*	*0.20621902*	*0.38894342*	*0.20703857*	*0.31002658*	*0.69466390*
Int SD	*4081.650000*	*968.78100000*	*1421.810000*	*1053.990000*	*977.98600000*	*369.80900000*	*3192.710000*
RelInt Mean	0.41794500	0.04613240	0.42424800	0.16661600	0.28994100	0.07213880	---
RelInt RSD	*0.54149230*	*1.03722330*	*1.02651987*	*0.70356388*	*0.78202462*	*1.13758477*	---
RelInt SD	*0.00226314*	*0.00047850*	*0.00435499*	*0.00117225*	*0.00226741*	*0.00082064*	---
Conc Mean	1.01856000[mg/l]	0.99846600[mg/l]	5.55771000[mg/l]	5.24161000[mg/l]	0.97952600[mg/l]	5.37808000[mg/l]	459605
Conc RSD	*0.54148307*	*1.03732125*	*1.03008973*	*0.70418822*	*0.78090015*	*1.13665658*	---
Conc SD	*0.00551533[mg/l]*	*0.01035730[mg/l]*	*0.05724940[mg/l]*	*0.03691080[mg/l]*	*0.00764912[mg/l]*	*0.06113030[mg/l]*	*3192.710000*

	Ar 404.442
Int Mean	383573
Int RSD	*0.69484296*
Int SD	*2665.230000*
RelInt Mean	---
RelInt RSD	---

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273012	File:	met06_master071	Time:	22-JUL-2024 09:18
Cal:	484294273001	Caldate:	22-JUL-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	34682700	35402500	2.08
Yttrium	A	1620340	1690310	4.32
Yttrium	R	2308700	2268320	-1.75

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICB,1 | Sample Type: Control Sample

Measure Date: 2024-07-22 09:18:11 | 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	31819.20000	12322.20000	1901.930000	6657.470000	4860.110000	12763.20000	4497.600000
Int RSD	*1.22316400*	*0.77554739*	*1.30462740*	*0.57359327*	*0.60855207*	*1.36867713*	*0.92452419*
Int SD	*389.20100000*	*95.56450000*	*24.81310000*	*38.18680000*	*29.57630000*	*174.68700000*	*41.58140000*
RelInt Mean	0.00003814	0.00010637	-0.00004332	0.00117641	0.00012442	0.00335212	0.00003504
RelInt RSD	*7.04072403*	*21.55092179*	*17.04495612*	*0.49450277*	*25.10592982*	*2.81287364*	*106.96472401*
RelInt SD	*0.00000269*	*0.00002292*	*0.00000738*	*0.00000582*	*0.00003124*	*0.00009429*	*0.00003748*
Conc Mean	<0.00016079[mg/l]	<0.01415910[mg/l]	<0.00146128[mg/l]	<-0.00425707[mg/l]	<-0.00027244[mg/l]	<-0.00988194[mg/l]	<-0.00010075[mg/l]
Conc RSD	*66.89781272*	*21.02732518*	*28.79660298*	*1.40700999*	*34.44537840*	*49.62729990*	*199.44514477*
Conc SD	*0.00010757[mg/l]*	*0.00297728[mg/l]*	*0.00042080[mg/l]*	*0.00005990[mg/l]*	*0.00009384[mg/l]*	*0.00490414[mg/l]*	*0.00020094[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	4692.990000	33940.90000	6554.080000	3113.650000	14497.40000	5638.360000	2639.640000
Int RSD	*0.68650903*	*0.56099278*	*0.34099218*	*3.07347004*	*0.69978065*	*1.19186785*	*0.93996151*
Int SD	*32.21780000*	*190.40600000*	*22.34890000*	*95.69710000*	*101.45000000*	*67.20180000*	*24.81160000*
RelInt Mean	0.00003512	0.00014925	0.00048762	0.00017887	0.00055356	0.00018678	0.00005332
RelInt RSD	*80.15234787*	*1.91499112*	*4.04787735*	*13.43057613*	*3.21062434*	*14.35232578*	*21.99985371*
RelInt SD	*0.00002815*	*0.00000286*	*0.00001974*	*0.00002402*	*0.00001777*	*0.00002681*	*0.00001173*
Conc Mean	<0.00013197[mg/l]	<-0.00013888[mg/l]	<-0.00186948[mg/l]	<0.10379700[mg/l]	<0.00102295[mg/l]	<-0.00024584[mg/l]	<0.00021800[mg/l]
Conc RSD	*135.54400376*	*58.51218722*	*3.25393157*	*47.86159523*	*622.30412044*	*7.00058575*	*41.67940367*
Conc SD	*0.00017887[mg/l]*	*0.00008126[mg/l]*	*0.00006083[mg/l]*	*0.04967890[mg/l]*	*0.00636586[mg/l]*	*0.00001721[mg/l]*	*0.00009086[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13218.20000	4944.290000	4307.630000	2813.750000	2069.560000	2051.900000	11560.80000
Int RSD	*1.82517287*	*0.62150885*	*1.12930312*	*1.18909640*	*0.58519685*	*2.38171451*	*1.40699606*
Int SD	*241.25500000*	*30.72920000*	*48.64620000*	*33.45820000*	*12.11100000*	*48.87040000*	*162.66000000*
RelInt Mean	-0.00008517	0.00009417	-0.00014435	-0.00001334	-0.00003567	0.00007789	0.00004539
RelInt RSD	*80.67919389*	*22.92235222*	*23.02683718*	*204.80751216*	*37.45499815*	*35.58702504*	*173.55455290*
RelInt SD	*0.00006872*	*0.00002159*	*0.00003324*	*0.00002733*	*0.00001336*	*0.00002772*	*0.00007878*
Conc Mean	<-0.00102809[mg/l]	<-0.00046255[mg/l]	<0.00022564[mg/l]	<-0.00065948[mg/l]	<-0.00004556[mg/l]	0.00053442[mg/l]	<0.00004095[mg/l]
Conc RSD	*954.22482467*	*39.26395621*	*455.29968622*	*190.26440649*	*2020.137366*	*108.93844191*	*166.99711388*
Conc SD	*0.00981029[mg/l]*	*0.00018162[mg/l]*	*0.00102732[mg/l]*	*0.00125475[mg/l]*	*0.00092032[mg/l]*	*0.00058219[mg/l]*	*0.00006839[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	34278.70000	1918.930000	7564.380000	1690310	35402500	2268320	2958.680000
Int RSD	*1.01922768*	*0.76658867*	*2.24495596*	*0.44075406*	*0.16831523*	*0.23196595*	*1.32377952*
Int SD	*349.37800000*	*14.71030000*	*169.81700000*	*7450.110000*	*59587.80000*	*5261.730000*	*39.16640000*
RelInt Mean	0.00001289	-0.00003185	0.00002722	---	---	---	0.00013220
RelInt RSD	*7.93469071*	*18.49134440*	*11.70683321*	---	---	---	*16.59949622*
RelInt SD	*0.00000102*	*0.00000589*	*0.00000319*	---	---	---	*0.00002194*
Conc Mean	<-0.00005854[mg/l]	<-0.00115035[mg/l]	<0.00035076[mg/l]	1684390	35348100	2255390	<-0.00059809[mg/l]
Conc RSD	*16.79682055*	*38.00791064*	*161.39670140*	---	---	---	*15.61514565*
Conc SD	*0.00000983[mg/l]*	*0.00043722[mg/l]*	*0.00056611[mg/l]*	*7450.110000*	*59945.60000*	*5481.650000*	*0.00009339[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	4564.000000	12638.80000	6012.990000	2249.260000	4526.510000	2533.640000	459848
Int RSD	*2.51314636*	*1.56254549*	*0.53446954*	*4.45035256*	*1.02503474*	*1.93696026*	*0.64217524*
Int SD	*114.70000000*	*197.48700000*	*32.13760000*	*100.10000000*	*46.39830000*	*49.07560000*	*2953.030000*
RelInt Mean	-0.00008399	0.00004883	0.00064387	0.00010924	0.00001423	-0.00008877	---
RelInt RSD	*57.38985081*	*147.12037811*	*2.61048106*	*48.19922740*	*178.97783554*	*27.18213000*	---
RelInt SD	*0.00004820*	*0.00007184*	*0.00001681*	*0.00005265*	*0.00002548*	*0.00002413*	---
Conc Mean	<-0.00014225[mg/l]	<0.00094249[mg/l]	<-0.00099163[mg/l]	<-0.00033593[mg/l]	<-0.00001096[mg/l]	<-0.00244586[mg/l]	459848
Conc RSD	*82.57727538*	*164.99963395*	*22.43586576*	*493.44363311*	*788.20556792*	*73.49562117*	---
Conc SD	*0.00011747[mg/l]*	*0.00155511[mg/l]*	*0.00022248[mg/l]*	*0.00165764[mg/l]*	*0.00008641[mg/l]*	*0.00179760[mg/l]*	*2953.030000*

	Ar 404.442						
Int Mean	389089						
Int RSD	*0.92709894*						
Int SD	*3607.240000*						
RelInt Mean	---						
RelInt RSD	---						

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273013	File:	met06_master071	Time:	22-JUL-2024 09:21
Cal:	484294273001	Caldate:	22-JUL-2024		

Standards: S21125, S16862 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.007373]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	142.0	mg/l	89	
Aluminum	R	400.0	406.2	mg/l	102	
Calcium	R	400.0	380.8	mg/l	95	
Magnesium	R	400.0	394.7	mg/l	99	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	34682700	31384100	-9.51
Yttrium	A	1620340	1504750	-7.13
Yttrium	R	2308700	2143910	-7.14

-=low bias a=ICSA

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICSA,S21125 | Sample Type: Control Sample

Measure Date: 2024-07-22 09:21:50 | 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	35290.10000	6728240	9716.660000	10953.80000	8521.450000	15621000	6994.740000
Int RSD	*1.70162737*	*0.54611013*	*0.30836934*	*0.93418722*	*0.37686896*	*0.30738365*	*0.68967538*
Int SD	*600.50600000*	*36743.60000*	*29.96320000*	*102.32900000*	*32.11470000*	*48016.40000*	*48.24100000*
RelInt Mean	0.00001506	3.12773000	-0.00006701	0.00183107	0.00117597	7.32438000	0.00032207
RelInt RSD	*34.14431168*	*0.25444172*	*28.31221551*	*1.76083383*	*1.81441703*	*0.78622081*	*11.10041295*
RelInt SD	*0.00000514*	*0.00795825*	*0.00001897*	*0.00003224*	*0.00002134*	*0.05758580*	*0.00003575*
Conc Mean	<-0.00076393[mg/l]	>406.22300000[mg/l]	<0.00011470[mg/l]	0.00247911[mg/l]	0.00290184[mg/l]	>380.76500000[mg/l]	0.00143597[mg/l]
Conc RSD	*26.95568169*	*0.25446860*	*943.16626418*	*13.38323027*	*2.16485402*	*0.78643258*	*13.35201989*
Conc SD	*0.00020592[mg/l]*	*1.03371000[mg/l]*	*0.00108184[mg/l]*	*0.00033178[mg/l]*	*0.00006282[mg/l]*	*2.99446000[mg/l]*	*0.00019173[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	6844.990000	40453.10000	68967700	2915.750000	2370340	18698.60000	15101.90000
Int RSD	*1.40237312*	*1.09841520*	*0.34786574*	*4.64858098*	*0.71869436*	*0.36889660*	*0.54227150*
Int SD	*95.99230000*	*444.34300000*	*239915*	*135.54100000*	*17035.50000*	*68.97850000*	*81.89330000*
RelInt Mean	-0.00064001	0.00020726	46.07800000	0.00020352	1.10248000	0.00504284	-0.00033328
RelInt RSD	*10.08599919*	*2.19981859*	*0.63639698*	*17.73492662*	*0.09139304*	*0.75312126*	*29.41877177*
RelInt SD	*0.00006455*	*0.00000456*	*0.29323900*	*0.00003609*	*0.00100759*	*0.00003798*	*0.00009805*
Conc Mean	<-0.00415837[mg/l]	0.00151041[mg/l]	>142.00300000[mg/l]	<0.15478700[mg/l]	>394.70000000[mg/l]	0.00287177[mg/l]	<-0.00277655[mg/l]
Conc RSD	*9.86477875*	*8.58210685*	*0.63646050*	*48.22362343*	*0.09186673*	*0.84899557*	*27.35243378*
Conc SD	*0.00041021[mg/l]*	*0.00012962[mg/l]*	*0.90379300[mg/l]*	*0.07464390[mg/l]*	*0.36259800[mg/l]*	*0.00002438[mg/l]*	*0.00075945[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	13963.50000	7078.150000	15491.10000	18176.30000	11646.30000	9914.080000	64532.80000
Int RSD	*1.57676800*	*1.25148662*	*0.64659708*	*0.16545887*	*0.12965577*	*2.31798614*	*0.25236159*
Int SD	*220.17200000*	*88.58210000*	*100.16500000*	*30.07430000*	*15.10010000*	*229.80700000*	*162.85600000*
RelInt Mean	0.00051568	0.00009038	0.00176273	0.00022255	-0.00022191	0.00008770	0.02457950
RelInt RSD	*7.92788897*	*24.27915149*	*2.48878161*	*17.88070097*	*27.49730745*	*151.84622682*	*0.47293883*
RelInt SD	*0.00004088*	*0.00002194*	*0.00004387*	*0.00003979*	*0.00006102*	*0.00013317*	*0.00011625*
Conc Mean	0.08475050[mg/l]	<-0.00049445[mg/l]	<-0.00737295[mg/l]	0.01019430[mg/l]	<-0.01287670[mg/l]	<0.00074057[mg/l]	0.02134080[mg/l]
Conc RSD	*6.88660244*	*37.33828154*	*18.90410216*	*17.89598109*	*32.64710679*	*377.70771163*	*0.47277515*
Conc SD	*0.00583643[mg/l]*	*0.00018462[mg/l]*	*0.00139379[mg/l]*	*0.00182437[mg/l]*	*0.00420387[mg/l]*	*0.00279719[mg/l]*	*0.00010089[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	45391.30000	10026.60000	11311.10000	1504750	31384100	2143910	18146.90000
Int RSD	*1.67157583*	*0.54084735*	*2.35840900*	*0.31876458*	*0.21074684*	*0.77042413*	*0.20753793*
Int SD	*758.75000000*	*54.22860000*	*266.76200000*	*4796.610000*	*66141.00000*	*16517.20000*	*37.66170000*
RelInt Mean	0.00014537	-0.00004852	0.00001626	---	---	---	0.00089152
RelInt RSD	*5.58000564*	*55.64019332*	*29.50520561*	---	---	---	*3.39430792*
RelInt SD	*0.00000811*	*0.00002700*	*0.00000480*	---	---	---	*0.00003026*
Conc Mean	0.00121477[mg/l]	<-0.00238224[mg/l]	<-0.00159504[mg/l]	1496480	31312800	2130330	0.00263863[mg/l]
Conc RSD	*6.41784865*	*84.04484855*	*53.42862875*	---	---	---	*4.87855440*
Conc SD	*0.00007796[mg/l]*	*0.00200215[mg/l]*	*0.00085221[mg/l]*	*4730.060000*	*66623.20000*	*16594.50000*	*0.00012873[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	4859.370000	12225.10000	10162.50000	7587.360000	6898.030000	9845.880000	443103
Int RSD	*2.11301053*	*0.59981350*	*0.93384010*	*1.63378303*	*0.65070607*	*0.78898585*	*0.56833287*
Int SD	*102.67900000*	*73.32780000*	*94.90150000*	*123.96100000*	*44.88590000*	*77.68260000*	*2518.300000*
RelInt Mean	-0.00002181	0.00010185	0.00077425	0.00009370	-0.00045063	0.00041281	---
RelInt RSD	*137.35789005*	*41.24355638*	*8.96059949*	*106.00322093*	*9.82693080*	*10.37971556*	---
RelInt SD	*0.00002995*	*0.00004200*	*0.00006938*	*0.00009932*	*0.00004428*	*0.00004285*	---
Conc Mean	<0.00000930[mg/l]	<0.00209000[mg/l]	<0.00079355[mg/l]	<-0.00082521[mg/l]	<-0.00158253[mg/l]	0.03491910[mg/l]	443103
Conc RSD	*785.23807628*	*43.50377990*	*113.15914495*	*378.92536445*	*9.38023292*	*9.14112907*	---
Conc SD	*0.00007299[mg/l]*	*0.00090923[mg/l]*	*0.00089797[mg/l]*	*0.00312693[mg/l]*	*0.00014845[mg/l]*	*0.00319200[mg/l]*	*2518.300000*

	Ar 404.442
Int Mean	376187
Int RSD	*0.58462148*
Int SD	*2199.270000*
RelInt Mean	---
RelInt RSD	---

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273014	File:	met06_master071	Time:	22-JUL-2024 09:25
Cal:	484294273001	Caldate:	22-JUL-2024		

Standards: S21126, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.050	mg/l	5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	34682700	31103100	-10.32
Yttrium	A	1620340	1502730	-7.26
Yttrium	R	2308700	2133490	-7.59

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: ICSAB,S21126				Sample Type: Control Sample	
Measure Date: 2024-07-22 09:25:30	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	909796	6776650	9908.810000	11243.60000	273179	15748400	148385
Int RSD	*1.25113762*	*0.23361691*	*0.81153640*	*0.66103561*	*0.70448314*	*0.71638389*	*0.62629444*
Int SD	*11382.80000*	*15831.40000*	*80.41360000*	*74.32420000*	*1924.500000*	*112819*	*929.32700000*
RelInt Mean	0.02811180	3.16571000	-0.00005582	0.00189922	0.17813200	7.42040000	0.09468230
RelInt RSD	*1.62272071*	*0.12280152*	*85.05216507*	*1.88133550*	*0.53509813*	*0.85953183*	*0.56872087*
RelInt SD	*0.00045618*	*0.00388754*	*0.00004748*	*0.00003573*	*0.00095318*	*0.06378070*	*0.00053848*
Conc Mean	1.12467000[mg/l]	>411.15700000[mg/l]	<0.00030442[mg/l]	0.00318038[mg/l]	0.53522800[mg/l]	>385.76000000[mg/l]	0.50734100[mg/l]
Conc RSD	*1.62483217*	*0.12261083*	*889.32468744*	*11.56091410*	*0.53565396*	*0.85983772*	*0.56906302*
Conc SD	*0.01827400[mg/l]*	*0.50412300[mg/l]*	*0.00270730[mg/l]*	*0.00036768[mg/l]*	*0.00286697[mg/l]*	*3.31691000[mg/l]*	*0.00288709[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	126285	636037	70140900	2815.130000	2385130	1249290	15448.50000
Int RSD	*0.36771746*	*1.46113198*	*0.42246820*	*1.32615545*	*0.23997183*	*0.27770254*	*1.00901058*
Int SD	*464.37200000*	*9293.340000*	*296323*	*37.33300000*	*5723.640000*	*3469.310000*	*155.87700000*
RelInt Mean	0.07912720	0.01932880	46.93110000	0.00014573	1.11487000	0.82838200	-0.00037037
RelInt RSD	*0.18135609*	*1.85129444*	*0.63140434*	*15.58997303*	*0.10493510*	*0.11843268*	*22.79204895*
RelInt SD	*0.00014350*	*0.00035783*	*0.29632500*	*0.00002272*	*0.00116989*	*0.00098108*	*0.00008441*
Conc Mean	0.50275400[mg/l]	0.54517100[mg/l]	>144.63200000[mg/l]	<0.03526560[mg/l]	>399.13600000[mg/l]	0.53145800[mg/l]	<-0.00306385[mg/l]
Conc RSD	*0.18141875*	*1.86627682*	*0.63145293*	*133.22699741*	*0.10507346*	*0.11855556*	*21.34125365*
Conc SD	*0.00091209[mg/l]*	*0.01017440[mg/l]*	*0.91328300[mg/l]*	*0.04698330[mg/l]*	*0.41938600[mg/l]*	*0.00063007[mg/l]*	*0.00065386[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	14175.30000	187909	66945.90000	18542.10000	11859.60000	10139.00000	65187.90000
Int RSD	*1.10561329*	*0.31438356*	*0.82940703*	*0.38508152*	*0.64058822*	*1.12537726*	*0.45454448*
Int SD	*156.72400000*	*590.75500000*	*555.25400000*	*71.40220000*	*75.97120000*	*114.10200000*	*296.30800000*
RelInt Mean	0.00057128	0.12086700	0.03601440	0.00025023	-0.00021512	0.00012794	0.02495850
RelInt RSD	*12.77542925*	*0.26231229*	*1.22437692*	*10.27890007*	*14.41315929*	*22.26385600*	*0.55117495*
RelInt SD	*0.00007298*	*0.00031705*	*0.00044095*	*0.00002572*	*0.00003101*	*0.00002848*	*0.00013757*
Conc Mean	0.09268860[mg/l]	1.01566000[mg/l]	1.05042000[mg/l]	0.00849145[mg/l]	<-0.01240880[mg/l]	0.00158573[mg/l]	0.02166980[mg/l]
Conc RSD	*11.24097246*	*0.26255144*	*1.29417757*	*13.94897220*	*17.21439623*	*37.72893242*	*0.55136180*
Conc SD	*0.01041910[mg/l]*	*0.00266663[mg/l]*	*0.01359430[mg/l]*	*0.00118447[mg/l]*	*0.00213610[mg/l]*	*0.00059828[mg/l]*	*0.00011948[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	46609.10000	10277.20000	103040	1502730	31103100	2133490	375028
Int RSD	*1.03752915*	*0.48199218*	*1.37309783*	*0.23518862*	*0.33171935*	*0.14592850*	*0.24763484*
Int SD	*483.58300000*	*49.53530000*	*1414.840000*	*3534.250000*	*103175*	*3113.370000*	*928.70000000*
RelInt Mean	0.00016206	-0.00001654	0.00295649	---	---	---	0.23950400
RelInt RSD	*3.29113987*	*335.83245655*	*1.68268115*	---	---	---	*0.08947909*
RelInt SD	*0.00000533*	*0.00005554*	*0.00004975*	---	---	---	*0.00021431*
Conc Mean	0.00137520[mg/l]	<-0.00000904[mg/l]	0.52077900[mg/l]	1494260	31031000	2119860	1.01882000[mg/l]
Conc RSD	*3.72774869*	*45545.61207*	*1.69708264*	---	---	---	*0.08940706*
Conc SD	*0.00005126[mg/l]*	*0.00411884[mg/l]*	*0.00883805[mg/l]*	*3523.200000*	*103503*	*3065.310000*	*0.00091090[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	453079	12229.30000	10740.70000	7970.150000	475534	10060.40000	441696
Int RSD	*0.49453627*	*0.19425723*	*5.80383029*	*0.20469251*	*0.26757498*	*0.46192398*	*0.73366524*
Int SD	*2240.640000*	*23.75630000*	*623.37200000*	*16.31430000*	*1272.410000*	*46.47140000*	*3240.570000*
RelInt Mean	0.21110300	0.00007309	0.00106934	0.00027007	0.31272300	0.00044264	---
RelInt RSD	*0.62477558*	*37.77070595*	*39.55271476*	*10.06979672*	*0.02817138*	*12.41983291*	---
RelInt SD	*0.00131892*	*0.00002761*	*0.00042295*	*0.00002720*	*0.00008810*	*0.00005497*	---
Conc Mean	0.51450500[mg/l]	<0.00146759[mg/l]	<0.00468753[mg/l]	0.00472727[mg/l]	1.06046000[mg/l]	0.03714120[mg/l]	441696
Conc RSD	*0.62465088*	*40.71845679*	*118.70132031*	*18.11127776*	*0.02833676*	*11.02627271*	---
Conc SD	*0.00321386[mg/l]*	*0.00059758[mg/l]*	*0.00556416[mg/l]*	*0.00085617[mg/l]*	*0.00030050[mg/l]*	*0.00409529[mg/l]*	*3240.570000*

	Ar 404.442						
Int Mean	376668						
Int RSD	*0.74627258*						
Int SD	*2810.970000*						
RelInt Mean	---						
RelInt RSD	---						

ENTHALPY CONTINUING CALIBRATION FOR 512356 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273025	File:	met06_master071	Time:	22-JUL-2024 10:08
Cal:	484294273001	Caldate:	22-JUL-2024		

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0261	0.0340	1.000	1.055	mg/l	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	34682700	34614800	-0.20
Yttrium	A	1620340	1690280	4.32
Yttrium	R	2308700	2219080	-3.88

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: CCV,S21056 | Sample Type: Control Sample

Measure Date: 2024-07-22 10:08:56 | 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	455056	38700.10000	32353.80000	166522	577535	2191990	336814
Int RSD	*1.28921056*	*1.19340002*	*0.44163900*	*0.06723256*	*0.14859498*	*0.58685943*	*0.12669040*
Int SD	*5866.630000*	*461.84700000*	*142.88700000*	*111.95700000*	*858.18800000*	*12863.90000*	*426.71100000*
RelInt Mean	0.01215760	0.00767812	0.01772600	0.09558710	0.33967600	0.99056200	0.19675900
RelInt RSD	*1.63005034*	*1.86946805*	*0.86722329*	*0.49681285*	*0.42318268*	*0.24093797*	*0.42033096*
RelInt SD	*0.00019818*	*0.00014354*	*0.00015372*	*0.00047489*	*0.00143745*	*0.00238664*	*0.00082704*
Conc Mean	0.48561700[mg/l]	0.99756300[mg/l]	1.01359000[mg/l]	0.96719600[mg/l]	1.01759000[mg/l]	51.33600000[mg/l]	1.05288000[mg/l]
Conc RSD	*1.63440530*	*1.86881430*	*0.86407522*	*0.50525953*	*0.42368243*	*0.24185951*	*0.42346896*
Conc SD	*0.00793695[mg/l]*	*0.01864260[mg/l]*	*0.00875818[mg/l]*	*0.00488685[mg/l]*	*0.00431135[mg/l]*	*0.12416100[mg/l]*	*0.00445862[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	268722	1186470	573824	66549.50000	318872	2653530	215847
Int RSD	*0.08957882*	*0.88185963*	*0.06096957*	*0.71184006*	*0.33646416*	*0.31189284*	*0.55660723*
Int SD	*240.71800000*	*10463.00000*	*349.85800000*	*473.72600000*	*1072.890000*	*8276.170000*	*1201.420000*
RelInt Mean	0.15620800	0.03331920	0.33678600	0.02879990	0.13778500	1.57211000	0.12632600
RelInt RSD	*0.44268347*	*1.07023878*	*0.45762591*	*1.02296189*	*0.57455093*	*0.20134660*	*0.72321454*
RelInt SD	*0.00069151*	*0.00035660*	*0.00154122*	*0.00029461*	*0.00079165*	*0.00316539*	*0.00091361*
Conc Mean	0.99259600[mg/l]	0.94294600[mg/l]	1.03456000[mg/l]	59.29310000[mg/l]	49.15570000[mg/l]	1.00893000[mg/l]	0.97831900[mg/l]
Conc RSD	*0.44272191*	*1.07520473*	*0.45909565*	*1.02759006*	*0.57658827*	*0.20167603*	*0.72361162*
Conc SD	*0.00439444[mg/l]*	*0.01013860[mg/l]*	*0.00474962[mg/l]*	*0.60929000[mg/l]*	*0.28342600[mg/l]*	*0.00203477[mg/l]*	*0.00707923[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	810806	212529	62603.40000	39259.00000	27020.90000	404700	2449820
Int RSD	*0.55552623*	*0.11204259*	*0.12728190*	*0.18924705*	*0.07217783*	*0.22547616*	*0.62891968*
Int SD	*4504.240000*	*238.12300000*	*79.68280000*	*74.29650000*	*19.50310000*	*912.50200000*	*15407.40000*
RelInt Mean	0.36045900	0.12272400	0.03397810	0.02123520	0.01449640	0.23892400	1.10490000
RelInt RSD	*0.91943328*	*0.42044262*	*0.61785091*	*0.21766454*	*0.45664027*	*0.42152316*	*0.24851118*
RelInt SD	*0.00331418*	*0.00051598*	*0.00020993*	*0.00004622*	*0.00006620*	*0.00100712*	*0.00274580*
Conc Mean	51.47100000[mg/l]	1.03128000[mg/l]	1.05467000[mg/l]	0.96892800[mg/l]	1.00113000[mg/l]	5.01724000[mg/l]	0.95924300[mg/l]
Conc RSD	*0.91925162*	*0.42096230*	*0.61541904*	*0.21663323*	*0.45528852*	*0.42155249*	*0.24880453*
Conc SD	*0.47314800[mg/l]*	*0.00434130[mg/l]*	*0.00649064[mg/l]*	*0.00209902[mg/l]*	*0.00455803[mg/l]*	*0.02115030[mg/l]*	*0.00238664[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	3679240	26621.60000	200053	1690280	34614800	2219080	425339
Int RSD	*1.25014677*	*0.26571243*	*1.44826121*	*0.46650851*	*0.16397177*	*0.46596788*	*0.23407823*
Int SD	*45995.90000*	*70.73690000*	*2897.290000*	*7885.300000*	*56758.50000*	*10340.20000*	*995.62600000*
RelInt Mean	0.10522700	0.01430440	0.00555156	---	---	---	0.25055200
RelInt RSD	*1.41870432*	*0.50093747*	*1.66662344*	---	---	---	*0.68381414*
RelInt SD	*0.00149286*	*0.00007166*	*0.00009252*	---	---	---	*0.00171331*
Conc Mean	1.01120000[mg/l]	1.05732000[mg/l]	0.98144600[mg/l]	1683570	34555600	2205500	1.06564000[mg/l]
Conc RSD	*1.41887856*	*0.50179132*	*1.67484508*	---	---	---	*0.68482790*
Conc SD	*0.01434770[mg/l]*	*0.00530554[mg/l]*	*0.01643770[mg/l]*	*7930.830000*	*56914.90000*	*10505.00000*	*0.00729780[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	933355	114277	778593	285144	491104	124574	489458
Int RSD	*0.55820454*	*0.30556805*	*0.29059213*	*0.07104270*	*0.10322987*	*0.33966478*	*0.21867045*
Int SD	*5210.030000*	*349.19400000*	*2262.530000*	*202.57400000*	*506.96600000*	*423.13400000*	*1070.300000*
RelInt Mean	0.42018300	0.04562210	0.45839900	0.16763500	0.28821100	0.07200980	---
RelInt RSD	*0.93516396*	*0.56261987*	*0.16742052*	*0.49671727*	*0.47525251*	*0.54667698*	---
RelInt SD	*0.00392940*	*0.00025668*	*0.00076745*	*0.00083267*	*0.00136973*	*0.00039366*	---
Conc Mean	1.02401000[mg/l]	0.98742000[mg/l]	6.00762000[mg/l]	5.27369000[mg/l]	0.97365200[mg/l]	5.36847000[mg/l]	489458
Conc RSD	*0.93488735*	*0.56265318*	*0.16631461*	*0.49710923*	*0.47443645*	*0.54626178*	---
Conc SD	*0.00957334[mg/l]*	*0.00555575[mg/l]*	*0.00999155[mg/l]*	*0.02621600[mg/l]*	*0.00461936[mg/l]*	*0.02932590[mg/l]*	*1070.300000*

	Ar 404.442
Int Mean	402918
Int RSD	*0.31469927*
Int SD	*1267.980000*
RelInt Mean	---
RelInt RSD	---

ENTHALPY INSTRUMENT BLANK FOR 512356 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484294273026	File:	met06_master071	Time:	22-JUL-2024 10:12
Cal:	484294273001	Caldate:	22-JUL-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	34682700	36256300	4.54
Yttrium	A	1620340	1769520	9.21
Yttrium	R	2308700	2252060	-2.45

Method Name: Met06_Master071224 Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2024-07-22 10:12:34	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	33934.10000	13092.10000	2088.340000	7040.450000	5292.310000	13286.50000	4868.980000
Int RSD	*0.38822895*	*0.80465319*	*0.90094046*	*0.44943150*	*0.46715895*	*0.41367102*	*0.32867459*
Int SD	*131.74200000*	*105.34600000*	*18.81470000*	*31.64200000*	*24.72350000*	*54.96240000*	*16.00310000*
RelInt Mean	0.00003368	0.00005154	-0.00004498	0.00110728	0.00013248	0.00336617	0.00003096
RelInt RSD	*24.56234635*	*100.92227509*	*16.26663139*	*1.61257315*	*9.98226121*	*1.53815464*	*40.68386172*
RelInt SD	*0.00000827*	*0.00005201*	*0.00000732*	*0.00001786*	*0.00001322*	*0.00005178*	*0.00001260*
Conc Mean	<-0.00001796[mg/l]	<0.00703747[mg/l]	<0.00136677[mg/l]	<-0.00496838[mg/l]	<-0.00025255[mg/l]	<-0.00915164[mg/l]	<-0.00012325[mg/l]
Conc RSD	*1845.297099*	*95.98719426*	*30.51874127*	*3.69832823*	*15.30071868*	*29.42565486*	*54.84231365*
Conc SD	*0.00033136[mg/l]*	*0.00675507[mg/l]*	*0.00041712[mg/l]*	*0.00018375[mg/l]*	*0.00003864[mg/l]*	*0.00269293[mg/l]*	*0.00006759[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	5105.930000	35726.70000	7439.110000	3417.670000	15179.10000	6120.730000	3152.980000
Int RSD	*0.33698073*	*0.55633462*	*0.64773609*	*3.47321421*	*1.40908881*	*0.38977867*	*2.31024935*
Int SD	*17.20600000*	*198.76000000*	*48.18580000*	*118.70300000*	*213.88700000*	*23.85730000*	*72.84170000*
RelInt Mean	0.00003969	0.00013937	0.00071231	0.00017792	0.00051399	0.00020299	0.00020639
RelInt RSD	*25.14427607*	*2.60176223*	*1.69586276*	*31.38384752*	*9.41847005*	*8.05027883*	*27.05846726*
RelInt SD	*0.00000998*	*0.00000363*	*0.00001208*	*0.00005584*	*0.00004841*	*0.00001634*	*0.00005585*
Conc Mean	<0.00016101[mg/l]	<-0.00041993[mg/l]	<-0.00117701[mg/l]	<0.10183500[mg/l]	<-0.01315050[mg/l]	<-0.00023543[mg/l]	0.00140366[mg/l]
Conc RSD	*39.38626074*	*24.54855679*	*3.16319318*	*113.39225217*	*131.85810425*	*4.45601665*	*30.81771939*
Conc SD	*0.00006342[mg/l]*	*0.00010309[mg/l]*	*0.00003723[mg/l]*	*0.11547300[mg/l]*	*0.01734000[mg/l]*	*0.00001049[mg/l]*	*0.00043258[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	14314.00000	5349.280000	4713.940000	3090.270000	2284.700000	2272.540000	12241.50000
Int RSD	*1.34745005*	*0.28785743*	*0.80465810*	*0.19696111*	*0.44085438*	*1.03506649*	*1.55654127*
Int SD	*192.87400000*	*15.39830000*	*37.93110000*	*6.08663000*	*10.07220000*	*23.52230000*	*190.54400000*
RelInt Mean	-0.00007071	0.00009353	-0.00012145	-0.00000647	-0.00004237	0.00009753	-0.00002697
RelInt RSD	*30.65104137*	*8.72681436*	*18.25749716*	*175.59041981*	*13.44863311*	*14.14498947*	*178.92935540*
RelInt SD	*0.00002167*	*0.00000816*	*0.00002217*	*0.00001137*	*0.00000570*	*0.00001379*	*0.00004826*
Conc Mean	<0.00103626[mg/l]	<-0.00046792[mg/l]	<0.00093462[mg/l]	<-0.00034427[mg/l]	<-0.00050773[mg/l]	0.00094688[mg/l]	<-0.00002187[mg/l]
Conc RSD	*298.60459730*	*14.67647593*	*73.29801758*	*151.55896894*	*77.32539475*	*30.60014067*	*191.59113152*
Conc SD	*0.00309432[mg/l]*	*0.00006867[mg/l]*	*0.00068506[mg/l]*	*0.00052177[mg/l]*	*0.00039261[mg/l]*	*0.00028975[mg/l]*	*0.00004189[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	37955.80000	2105.500000	8096.380000	1769520	36256300	2252060	3327.920000
Int RSD	*0.82622682*	*0.21598385*	*0.54788436*	*0.37758658*	*0.21900001*	*0.91892756*	*1.41534051*
Int SD	*313.60100000*	*4.54754000*	*44.35880000*	*6681.470000*	*79401.30000*	*20694.80000*	*47.10140000*
RelInt Mean	0.00005248	-0.00002851	0.00002787	---	---	---	0.00019090
RelInt RSD	*13.24248625*	*16.06040518*	*5.14402495*	---	---	---	*16.38529476*
RelInt SD	*0.00000695*	*0.00000458*	*0.00000143*	---	---	---	*0.00003128*
Conc Mean	<0.00032199[mg/l]	<-0.00090656[mg/l]	<0.00046519[mg/l]	1763140	36198600	2238500	<-0.00034807[mg/l]
Conc RSD	*20.74629647*	*37.43935881*	*54.78334519*	---	---	---	*38.27273641*
Conc SD	*0.00006680[mg/l]*	*0.00033941[mg/l]*	*0.00025485[mg/l]*	*6725.900000*	*79349.20000*	*20719.50000*	*0.00013321[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	Ar 430.010
Int Mean	5109.210000	13496.80000	23809.40000	2511.780000	4902.230000	2765.060000	483544
Int RSD	*2.20392194*	*1.25392686*	*6.05710350*	*2.72541783*	*0.38094908*	*0.93242100*	*0.48817481*
Int SD	*112.60300000*	*169.24000000*	*1442.160000*	*68.45650000*	*18.67500000*	*25.78200000*	*2360.540000*
RelInt Mean	-0.00000857	0.00003055	0.01046410	0.00015522	0.00001742	-0.00004806	---
RelInt RSD	*263.60476913*	*44.70791570*	*7.71816974*	*22.78212298*	*74.10322655*	*47.59774537*	---
RelInt SD	*0.00002258*	*0.00001366*	*0.00080764*	*0.00003536*	*0.00001291*	*0.00002288*	---
Conc Mean	<0.00004156[mg/l]	<0.00054673[mg/l]	0.12835600[mg/l]	<0.00111144[mg/l]	<0.00000018[mg/l]	<0.00058704[mg/l]	483544
Conc RSD	*132.40676351*	*54.07430711*	*8.28204369*	*100.16285180*	*24068.41780*	*290.28878634*	---
Conc SD	*0.00005503[mg/l]*	*0.00029564[mg/l]*	*0.01063050[mg/l]*	*0.00111325[mg/l]*	*0.00004249[mg/l]*	*0.00170412[mg/l]*	*2360.540000*

	Ar 404.442
Int Mean	407846
Int RSD	*0.67616453*
Int SD	*2757.710000*
RelInt Mean	---
RelInt RSD	---

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(714) 771-6900

enthalpy.com

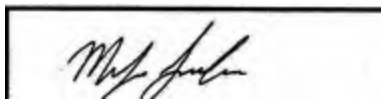
Lab Job Number : 512437
Report Level : II
Report Date : 07/22/2024

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:



Miguel Gamboa, Project Coordinator
miguel.gamboa@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 #: 512437
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/18/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB	512437-001	07/18/24 10:00	Wipe
DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP-CB	512437-002	07/18/24 10:00	Wipe
DOOR-S-15.5GW-PS-17-240718-L-G	512437-003	07/18/24 07:35	Wipe
DOOR-S-15.2GW-PS-17-240718-L-G	512437-004	07/18/24 07:30	Wipe
DOOR-S-15.6GW-DG-3 TO 16-240718-L-G	512437-005	07/18/24 07:45	Wipe
DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB	512437-006	07/18/24 07:50	Wipe
DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	512437-007	07/18/24 08:05	Wipe
DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-LA	512437-008	07/18/24 08:05	Wipe
DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA	512437-009	07/18/24 08:10	Wipe
DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB	512437-010	07/18/24 08:15	Wipe
DOOR-S-15.1GW-ENT-2 TO 3-240718-L-CB	512437-011	07/18/24 08:45	Wipe
DOOR-S-15.6GW-PS-16-240718-L-G	512437-012	07/18/24 09:00	Wipe
DOOR-S-15.4GW-PS-16-240718-L-G	512437-013	07/18/24 09:10	Wipe
AFRAME-SGW-LAT-L1-HS-3-240718-L-A	512437-014	07/18/24 09:40	Wipe
AFRAME-SGW-MED-L1-HS-3-240718-L-A	512437-015	07/18/24 09:45	Wipe
AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS	512437-016	07/18/24 09:25	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	512437
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/18/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-L-SS	512437-017	07/18/24 09:30	Wipe
DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA	512437-018	07/18/24 10:25	Wipe
DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB	512437-019	07/18/24 10:15	Wipe
AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-L-SS	512437-020	07/18/24 10:35	Wipe
240718-L-FIELDBLANK1-HO	512437-021	07/18/24 09:40	Wipe
240718-L-MEDBLANK1-HO	512437-022	07/18/24 11:40	Wipe
240718-L-FIELDBLANK2-HO	512437-023	07/18/24 07:20	Wipe
240718-L-MEDBLANK2-HO	512437-024	07/18/24 11:45	Wipe
DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA	512437-025	07/18/24 10:00	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 512437 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/18/24

This data package contains sample and QC results for twenty five wipe samples, requested for the above referenced project on 07/19/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

J12437

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 (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: 4.0 (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB	7/18/2024	1000	WP	1	--	X		Confirmation Wipe Samples - Level II Report/Stage 2A Validation
2	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP-CB	7/18/2024	1000	WP	1	--	X		
3	DOOR-S-15.5GW-PS-17-240718-L-G	7/18/2024	0735	WP	1	--	X		4x Rivet Type 1 = 0.0552 ft²
4	DOOR-S-15.2GW-PS-17-240718-L-G	7/18/2024	0730	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
5	DOOR-S-15.6GW-DG-3 TO 16-240718-L-G	7/18/2024	0745	WP	1	--	X		6x Rivet Type 1 = 0.0828 ft²
6	DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB	7/18/2024	0750	WP	1	--	X		
7	DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	7/18/2024	0805	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
8	DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-LA	7/18/2024	0805	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
9	DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA	7/18/2024	0810	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
10	DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB	7/18/2024	~~0750~~ 0815	WP	1	--	X		
11	DOOR-S-15.1GW-EXT-2 TO 3-240718-L-CB	7/18/2024	0845	WP	1	--	X		
12	DOOR-S-15.6GW-PS-16-240718-L-G	7/18/2024	0900	WP	1	--	X		8x Rivet Type 1 = 0.1104 ft²
13	DOOR-S-15.4GW-PS-16-240718-L-G	7/18/2024	0910	WP	1	--	X		8x Rivet Type 1 = 0.1104 ft²
14	~~DOOR-S-15.2GW-PS-16-240718-L-G~~	~~7/18/2024~~		~~WP~~	~~1~~	~~--~~	~~X~~		TS
15	AFRAME-SGW-LAT-L1-HS-3-240718-L-A	7/18/2024	0940	WP	1	--	X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/18/24 14:50
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/18/24 14:50
2 Relinquished By:	Audrey Hudson			7/18/24 16:47
2 Received By:				7/18/24 16:47
2 Relinquished By:				7/18/24 17:46
3 Received By:		G. Kim	GA	7/19/24 1100

512437

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 (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	AFRAME-SGW-MED-L1-HS-3-240718-L-A	7/18/2024	0945	WP	1	--	X		
17	AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS	7/18/2024	0925	WP		--	X		
18	AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-L-SS	7/18/2024	0930	WP	1	--	X		
19	DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA	7/18/2024	1025	WP	1	--	X		2x Rivet Type 1 = 0.0276 ~~ft~~ ft²
20	DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB	7/18/2024	1015	WP	1	--	X		
21	AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-L-SS	7/18/2024	1035	WP	1	--	X		
22	240718-L-FIELDBLANK1-HO	7/18/2024	0940	WP		--	X		
23	240718-L-MEDBLANK1-HO	7/18/2024	0720 1140	WP	1	--	X		
24	240718-L-FIELDBLANK2-HO *	7/18/2024	0720	WP	1	--	X		"
25	240718-L-MEDBLANK2-HO *	7/18/2024	1145	WP		--	X		
26	~~DOOR-S-15.6GW-INT-1 TO 16-240718-L-CB~~	~~7/18/2024~~		~~WP~~	~~1~~	--	X		TS
27	DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA	7/18/2024	1000	WP		--	X		2x Rivet Type 1 = 0.0276 ft²
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 8 Enclosure C (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/18/24 1450
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/18/24 1450
[2] Relinquished By:	Audrey Hudson	"	"	7/18/24 1647
[2] Received By:				7/18/24 1647
[3] Relinquished By:				7/18/24 1745
[3] Received By:		C. Kim	ENTHALPY	7/19/24 1100

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: 7/18/24 Login # 512437 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 7/18/24 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? 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 7/18/24 **By (print)** _____ **(sign)** _____

Date Labeled 7/18/24 **By (print)** _____ **(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: 07/19/24 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: 4.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

512437

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. Quintero Date: 07/19/24


SOUTHWEST AIRLINES
Printed on:
18 JUL 19:26
526 OAK 1528 9610
SNA
PC# 1 OF 5
DG G
LOT WT 140 LB (63.5 KG)
OAK WN 941 19 JUL 06:20
STN FLT DATE ETD
LOT 01
PC ID: 0001
PC WT: 28LB
NFG
526 15289610 0001

ENTHALPY ANALYTICAL

Lead

Lab #: 512437 **Project#:** 20-10491

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

Field ID: DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-001 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-001 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

Field ID: DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP-CB **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-002 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-002 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

Field ID: DOOR-S-15.5GW-PS-17-240718-L-G **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-003 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-003 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Field ID: DOOR-S-15.2GW-PS-17-240718-L-G **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-004 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-004 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

Field ID: DOOR-S-15.6GW-DG-3 TO 16-240718-L-G **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-005 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-005 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 512437 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-006 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-006 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-007 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-007 Analyte	Result	RL	Units
Lead	**320**	0.50	ug/ft2

Field ID: DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-LA **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-008 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-008 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA **Batch#:** 345536 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-009 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-009 Analyte	Result	RL	Units
Lead	**260**	0.50	ug/ft2

Field ID: DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB **Batch#:** 345536 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-010 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-010 Analyte	Result	RL	Units
Lead	**360**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 512437 **Project#:** 20-10491

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

Field ID: DOOR-S-15.1GW-ENT-2 TO 3-240718-L-CB **Batch#:** 345536 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-011 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/22/24

512437-011 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

Field ID: DOOR-S-15.6GW-PS-16-240718-L-G **Batch#:** 345536 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-012 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-012 Analyte	Result	RL	Units
Lead	**220**	0.50	ug/ft2

Field ID: DOOR-S-15.4GW-PS-16-240718-L-G **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-013 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-013 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: AFRAME-SGW-LAT-L1-HS-3-240718-L-A **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-014 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-014 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID: AFRAME-SGW-MED-L1-HS-3-240718-L-A **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-015 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-015 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 512437 **Project#:** 20-10491

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

Field ID: AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-016 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-016 Analyte	Result	RL	Units
Lead	**170**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-L-SS **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-017 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-017 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

Field ID: DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-018 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-018 Analyte	Result	RL	Units
Lead	**360**	0.50	ug/ft2

Field ID: DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-019 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-019 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-L-SS **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-020 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-020 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 512437 **Project#:** 20-10491

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

Field ID: 240718-L-FIELDBLANK1-HO **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-021 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-021 Analyte	Result	RL	Units
Lead	**6.9**	0.50	ug/ft2

Field ID: 240718-L-MEDBLANK1-HO **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-022 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-022 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 240718-L-FIELDBLANK2-HO **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-023 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-023 Analyte	Result	RL	Units
Lead	**4.6**	0.50	ug/ft2

Field ID: 240718-L-MEDBLANK2-HO **Batch#:** 345535 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-024 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-024 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA **Batch#:** 345536 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/18/24 **Analysis:** EPA 6010B
Lab ID: 512437-025 **Received:** 07/18/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 07/19/24
Diln Fac: 1.000 **Analyzed:** 07/19/24

512437-025 Analyte	Result	RL	Units
Lead	**240**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 512437 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	345535	**Analysis:**	EPA 6010B
Lab ID:	QC1170889	**Prepared:**	07/19/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	07/19/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1170889 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type:	BLANK	**Batch#:**	345536	**Analysis:**	EPA 6010B
Lab ID:	QC1170886	**Prepared:**	07/19/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	07/19/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1170886 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 512437 **Project#:** 20-10491

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

Type: BS **Batch#:** 345535 **Analysis:** EPA 6010B
Lab ID: QC1170890 **Prepared:** 07/19/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/19/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170890 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.23	106	80-120	ug/ft2

Type: BS **Batch#:** 345536 **Analysis:** EPA 6010B
Lab ID: QC1170887 **Prepared:** 07/19/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/19/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170887 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.46	107	80-120	ug/ft2

Type: BSD **Batch#:** 345535 **Analysis:** EPA 6010B
Lab ID: QC1170891 **Prepared:** 07/19/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/19/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170891 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.61	101	80-120	ug/ft2	5	20

Type: BSD **Batch#:** 345536 **Analysis:** EPA 6010B
Lab ID: QC1170888 **Prepared:** 07/19/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 07/19/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1170888 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	49.49	99	80-120	ug/ft2	8	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number : 513148
Report Level : II
Report Date : 08/02/2024

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 #:	513148
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/31/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA	513148-001	07/31/24 10:05	Wipe
DOOR-S-15.5GE-PS-17-240731-L-G	513148-002	07/31/24 10:20	Wipe
DOOR-S-15.7GE-PS-17-240731-L-G	513148-003	07/31/24 10:30	Wipe
DOOR-S-15.8GE-PS-17-240731-L-G	513148-004	07/31/24 07:45	Wipe
DOOR-S-15.9GW-PS-17-240731-L-G	513148-005	07/31/24 07:35	Wipe
DOOR-S-15.7GW-PS-17-240731-L-G	513148-006	07/31/24 07:30	Wipe
DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	513148-007	07/31/24 08:35	Wipe
DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA	513148-008	07/31/24 08:35	Wipe
DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB	513148-009	07/31/24 08:25	Wipe
DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA	513148-010	07/31/24 08:15	Wipe
DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA	513148-011	07/31/24 08:05	Wipe
DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB	513148-012	07/31/24 08:00	Wipe
DOOR-S-15.5GE-PS-16-240731-L-LA	513148-013	07/31/24 09:00	Wipe
DOOR-S-15.7GW-PS-16-240731-L-LA	513148-014	07/31/24 09:15	Wipe
DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB	513148-015	07/31/24 08:50	Wipe
DOOR-S-15.6GE-PS-16-240731-L-G	513148-016	07/31/24 10:05	Wipe
DOOR-S-15.8GE-PS-16-240731-L-G	513148-017	07/31/24 09:55	Wipe
DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	513148-018	07/31/24 09:40	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	513148
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/31/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB	513148-019	07/31/24 09:40	Wipe
DOOR-S-15.8GW-PS-16-240731-L-G	513148-020	07/31/24 09:30	Wipe
DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB	513148-021	07/31/24 11:10	Wipe
DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB	513148-022	07/31/24 11:00	Wipe
DOOR-S-15.9GE-INT-1' TO 2-240731-L-LA	513148-023	07/31/24 11:05	Wipe
DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB	513148-024	07/31/24 10:45	Wipe
DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-025	07/31/24 10:35	Wipe
DOOR-S-15.7GW-DG-1' TO 2-240731-L-LA	513148-026	07/31/24 10:25	Wipe
240731-L-FIELDBLANK1-HO	513148-027	07/31/24 10:15	Wipe
240731-L-MEDBLANK1-HO	513148-028	07/31/24 12:30	Wipe
240731-L-FIELDBLANK2-HO	513148-029	07/31/24 07:27	Wipe
240731-L-MEDBLANK2-HO	513148-030	07/31/24 12:40	Wipe
DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB	513148-031	07/31/24 11:20	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 513148 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/31/24

This data package contains sample and QC results for thirty one wipe samples, requested for the above referenced project on 08/01/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

513148

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

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

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

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA	7/31/2024	1005	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
2	DOOR-S-15.5GE-PS-17-240731-L-G	7/31/2024	1020	WP	1	--	X		6x Rivet Type 1 = 0.0828 ft²
3	DOOR-S-15.7GE-PS-17-240731-L-G	7/31/2024	1030	WP	1	--	X		6x Rivet Type 1 = 0.0828 ft²
4	DOOR-S-15.8GE-PS-17-240731-L-G	7/31/2024	0745	WP	1	--	X		2x Rivet Type 1, 4x Rivet Type 2 = 0.0676 ft²
5	DOOR-S-15.9GW-PS-17-240731-L-G	7/31/2024	0735	WP	1	--	X		4x Rivet Type 1, 4x Rivet Type 2 = 0.0952 ft²
6	DOOR-S-15.7GW-PS-17-240731-L-G	7/31/2024	0730	WP	1	--	X		4x Rivet Type 1 = 0.0552 ft²
7	DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	7/31/2024	0835	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
8	DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA	7/31/2024	0835	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
9	DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB	7/31/2024	0825	WP	1	--	X		
10	DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA	7/31/2024	0815	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
11	DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA	7/31/2024	0805	WP	1	--	X		2x Rivet Type 2 = 0.0200 ft²
12	DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB	7/31/2024	0800	WP	1	--	X		
13	DOOR-S-15.5GE-PS-16-240731-L-LA	7/31/2024	0900	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
14	DOOR-S-15.7GE-PS-16-240731-L-LA	7/31/2024	0915	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
15	DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB	7/31/2024	0850	WP	1	--	X		

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 8 Enclosure B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/31/24 1430
[1] Received By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	7/31/24 14:30
[2] Relinquished By:	Audrey Hudson	"	"	7/31/24 16:15
[2] Received By:		Jade Peterson	Enthalpy	7/31/24 1815
[3] Relinquished By:		Jade Peterson	Enthalpy	7.31.24 18:18
[3] Received By:	Tris Kelly	Tris Kelly	Enthalpy	8/1/24 1015

513148

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	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 8 Enclosure B (High Occupancy)
16	DOOR-S-15.6GE-PS-16-240731-L-G	7/31/2024	1005	WP	1	--	X		14 x Rivet Type 2 = 0.1400 ft²
17	DOOR-S-15.8GE-PS-16-240731-L-G	7/31/2024	0955	WP	1	--	X		10 x Rivet Type 2 = 0.1400 ft²
18	DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	7/31/2024	0940	WP	1	--	X		
19	DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB	7/31/2024	0940	WP	1	--	X		
20	DOOR-S-15.8GW-PS-16-240731-L-G	7/31/2024	0930	WP	1	--	X		8 x Rivet Type 2 = 0.0800 ft²
21	~~DOOR-S-15.7GW-PS-16-240731-L-G~~	~~7/31/2024~~		~~WP~~	~~1~~	~~--~~	~~X~~		DW
22	DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB	7/31/2024	1110	WP	1	--	X		
23	DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB	7/31/2024	1100	WP	1	--	X		
24	DOOR-S-15.9GE-DG-1' TO 2-240731-L-LA	7/31/2024	1105	WP	1	--	X		2 x Rivet Type 1 = 0.0276 ft²
25	DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB	7/31/2024	1045	WP	1	--	X		
26	DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	7/31/2024	1035	WP	1	--	X		
27	DOOR-S-15.7GW-DG-1' TO 2-240731-L-LA	7/31/2024	1025	WP	1	--	X		
28	240731-L-FIELDBLANK1-HO	7/31/2024	1015	WP	1	--	X		
29	240731-L-MEDBLANK1-HO	7/31/2024	1230	WP	1	--	X		
30	240731-L-FIELDBLANK2-HO	7/31/2024	0727	WP	1	--	X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welch	Rincon / Env. Scientist	7/31/24 1430
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	7/31/24 14:30
[2] Relinquished By:	Audrey Hudson	"	"	7/31/24 16:15
[2] Received By:		Morgan Hall Eng	RW	7/31/24 16:15
[2] Relinquished By:		Jade Peterson	Enthalpy	7.31.24 18:18
[3] Received By:	Tris Kelly	Tris Kelly	Enthalpy	8/1/24 1015

513148

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B							HOLD		HOLD	Test Instructions / Comments
31	240731-L-MEDBLANK2-HO	7/31/2024	1240	WP	1	--	X										**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
~~32~~	~~DOOR-S-15.5GE-DG-1 TO 17-240731-L-LA~~	~~7/31/2024~~		~~WP~~	~~1~~		~~X~~										
33	DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB	7/31/2024	1120	WP	1	--	X										Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure B (High Occupancy)
34																	
35																	
36																	
37																	
38																	
39																	
40																	
41																	
42																	
43																	
44																	
45																	

PL

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/31/24 1430
[1] Received By:	Audrey Hudson	ENTHALPY	AUDREY HUDSON	7/31/24 14:30
[2] Relinquished By:	Audrey Hudson	"	"	7/31/24 16:15
[2] Received By:		Marshall Gee	Ent	7/31/24 16:15
[3] Relinquished By:		Jadz Jefferson	Enthalpy	7.31.24 18:18
[3] Received By:	Tris Kelly	Tris Kelly	Enthalpy	8/1/24 1015

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: 7.31.24 Login # 513148 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 7.31.24 By (print) Jadz Peterson (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 7.31.24 By (print) Jadz Peterson (sign) _____

Date Labeled 7.31.24 By (print) Jadz Peterson (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 - NCTRA WP

Date Received: 8/1/24 | 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: TNP 2.3 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: TNP 3.6 2.3 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

Project Manager's response:

Completed By: Tris Kelly Date: 8/1/24


SOUTHWEST AIRLINES
Printed on:
31 JUL 19:37
526 OAK 1581 3114
SNA
TEMP
2.3 / 3.6
OAK WN 941 01 AUG 06:20
STN FLT DATE ETD
PC# 6 OF 8
DG G
LOT WT 300 LB (136.1 KG)
LOT 01
PC ID: 0006
PC WT: 37LB
526 15813114 0006
S

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491

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

Field ID: DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-001 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-001 Analyte	Result	RL	Units
Lead	**75**	0.50	ug/ft2

Field ID: DOOR-S-15.5GE-PS-17-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-002 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-002 Analyte	Result	RL	Units
Lead	**82**	0.50	ug/ft2

Field ID: DOOR-S-15.7GE-PS-17-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-003 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-003 Analyte	Result	RL	Units
Lead	**59**	0.50	ug/ft2

Field ID: DOOR-S-15.8GE-PS-17-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-004 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-004 Analyte	Result	RL	Units
Lead	**240**	0.50	ug/ft2

Field ID: DOOR-S-15.9GW-PS-17-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-005 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-005 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491

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

Field ID: DOOR-S-15.7GW-PS-17-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-006 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-006 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

Field ID: DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-007 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-007 Analyte	Result	RL	Units
Lead	**340**	0.50	ug/ft2

Field ID: DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-008 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-008 Analyte	Result	RL	Units
Lead	**310**	0.50	ug/ft2

Field ID: DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-009 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-009 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

Field ID: DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-010 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-010 Analyte	Result	RL	Units
Lead	**290**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491

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

Field ID: DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-011 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 10.00 **Analyzed:** 08/01/24

513148-011 Analyte	Result	RL	Units
Lead	**510**	3.7	ug/ft2

Field ID: DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-012 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 10.00 **Analyzed:** 08/01/24

513148-012 Analyte	Result	RL	Units
Lead	**940**	3.7	ug/ft2

Field ID: DOOR-S-15.5GE-PS-16-240731-L-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-013 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-013 Analyte	Result	RL	Units
Lead	**350**	0.50	ug/ft2

Field ID: DOOR-S-15.7GW-PS-16-240731-L-LA **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-014 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-014 Analyte	Result	RL	Units
Lead	**320**	0.50	ug/ft2

Field ID: DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-015 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-015 Analyte	Result	RL	Units
Lead	**290**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.6GE-PS-16-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-016 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 10.00 **Analyzed:** 08/01/24

513148-016 Analyte	Result	RL	Units
Lead	**510**	3.3	ug/ft2

Field ID: DOOR-S-15.8GE-PS-16-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-017 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-017 Analyte	Result	RL	Units
Lead	**330**	0.50	ug/ft2

Field ID: DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-018 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-018 Analyte	Result	RL	Units
Lead	**420**	0.50	ug/ft2

Field ID: DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-019 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-019 Analyte	Result	RL	Units
Lead	**290**	0.50	ug/ft2

Field ID: DOOR-S-15.8GW-PS-16-240731-L-G **Batch#:** 346641 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-020 **Received:** 07/31/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-020 Analyte	Result	RL	Units
Lead	**360**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-021 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-021 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-022 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-022 Analyte	Result	RL	Units
Lead	**310**	0.50	ug/ft2

Field ID: DOOR-S-15.9GE-INT-1' TO 2-240731-L-LA **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-023 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-023 Analyte	Result	RL	Units
Lead	**380**	0.50	ug/ft2

Field ID: DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-024 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-024 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513148-025 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-025 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.7GW-DG-1' TO 2-240731-L-LA
Type: SAMPLE
Lab ID: 513148-026
Matrix: Wipe
Diln Fac: 1.000
Batch#: 346642
Sampled: 07/31/24
Received: 07/31/24
Prepared: 08/01/24
Analyzed: 08/01/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: DXC

513148-026 Analyte	Result	RL	Units
Lead	**430**	0.50	ug/ft2

Field ID: 240731-L-FIELDBLANK1-HO
Type: SAMPLE
Lab ID: 513148-027
Matrix: Wipe
Diln Fac: 1.000
Batch#: 346642
Sampled: 07/31/24
Received: 07/31/24
Prepared: 08/01/24
Analyzed: 08/01/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: DXC

513148-027 Analyte	Result	RL	Units
Lead	**0.97**	0.50	ug/ft2

Field ID: 240731-L-MEDBLANK1-HO
Type: SAMPLE
Lab ID: 513148-028
Matrix: Wipe
Diln Fac: 1.000
Batch#: 346642
Sampled: 07/31/24
Received: 07/31/24
Prepared: 08/01/24
Analyzed: 08/01/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: DXC

513148-028 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 240731-L-FIELDBLANK2-HO
Type: SAMPLE
Lab ID: 513148-029
Matrix: Wipe
Diln Fac: 1.000
Batch#: 346642
Sampled: 07/31/24
Received: 07/31/24
Prepared: 08/01/24
Analyzed: 08/01/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: DXC

513148-029 Analyte	Result	RL	Units
Lead	**6.9**	0.50	ug/ft2

Field ID: 240731-L-MEDBLANK2-HO
Type: SAMPLE
Lab ID: 513148-030
Matrix: Wipe
Diln Fac: 1.000
Batch#: 346642
Sampled: 07/31/24
Received: 07/31/24
Prepared: 08/01/24
Analyzed: 08/01/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: DXC

513148-030 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513148 **Project#:** 20-10491

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

Field ID: DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB **Batch#:** 346642 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B

Lab ID: 513148-031 **Received:** 07/31/24 **Analyst:** DXC

Matrix: Wipe **Prepared:** 08/01/24

Diln Fac: 1.000 **Analyzed:** 08/01/24

513148-031 Analyte	Result	RL	Units
Lead	**410**	0.50	ug/ft2

Type: BLANK **Batch#:** 346641 **Analysis:** EPA 6010B

Lab ID: QC1174497 **Prepared:** 08/01/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174497 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 346642 **Analysis:** EPA 6010B

Lab ID: QC1174500 **Prepared:** 08/01/24 **Analyst:** DXC

Matrix: Wipe **Analyzed:** 08/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174500 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 513148 **Project#:** 20-10491

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

Type: BS **Batch#:** 346641 **Analysis:** EPA 6010B
Lab ID: QC1174498 **Prepared:** 08/01/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174498 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.26	105	80-120	ug/ft2

Type: BS **Batch#:** 346642 **Analysis:** EPA 6010B
Lab ID: QC1174501 **Prepared:** 08/01/24 **Analyst:** DXC
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174501 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.19	106	80-120	ug/ft2

Type: BSD **Batch#:** 346641 **Analysis:** EPA 6010B
Lab ID: QC1174499 **Prepared:** 08/01/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174499 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.40	105	80-120	ug/ft2	0	20

Type: BSD **Batch#:** 346642 **Analysis:** EPA 6010B
Lab ID: QC1174502 **Prepared:** 08/01/24 **Analyst:** DXC
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174502 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.07	102	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number : 513150
Report Level : IV
Report Date : 08/08/2024

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 #:	513150
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/31/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	513150-001	07/31/24 09:20	Wipe
DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	513150-004	07/31/24 09:30	Wipe
DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	513150-006	07/31/24 09:40	Wipe
DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	513150-008	07/31/24 09:50	Wipe
DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	513150-009	07/31/24 09:50	Wipe
DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	513150-011	07/31/24 10:10	Wipe
240731-P-FIELDBLANK1-HO	513150-013	07/31/24 10:15	Wipe

Case Narrative
PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 513150 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/31/24

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 08/01/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

5131 J0

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Chain of Custody Record — COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

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
1	DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	7/31/2024	0920	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	7/31/2024	0920	WP		--		X		Report PCB concentrations on a µg/100cm2 basis
3	DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB	7/31/2024	0920	WP	1	--		X		Report lead concentrations on a µg/ft2 basis
4	DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	7/31/2024	0930	WP	1	--	X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	7/31/2024	0930	WP	1			X		Wipe samples collected from Zone 8 Enclosure B (High Occupancy)
6	DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	7/31/2024	0940	WP	1	--	X			
7	DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	7/31/2024	0940	WP		--		X		2xRivet Type 1 = 0.0276 ft²
8	DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	7/31/2024	0950	WP	1	--	X			
9	DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	7/31/2024	0950	WP	1	--	X			
10	DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	7/31/2024	0950	WP	1	--		X		2xRivet Type 1 = 0.0276 ft²
11	DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	7/31/2024	1010	WP			X			
12	DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	7/31/2024	1010	WP		--		X		
13	240731-P-FIELDBLANK1-HO	7/31/2024	1015	WP	1	--	X			
14										
15										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/31/24 1430
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/31/24 1430
[2] Relinquished By:	Audrey Hudson	"	"	7/31/24 1615
[2] Received By:				7/31/24 16:15
[3] Relinquished By:		Jose Perez	Enthalpy	7.31.24 18:19
[3] Received By:	Tris Kelly	Tris Kelly	Enthalpy	8/1/24 1015

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: 7.31.24 Login # 513150 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 7.31.24 By (print) Jadz Peterson (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 7.31.24 **By (print)** Jadz Peterson **(sign)** _____

Date Labeled 7.31.24 **By (print)** Jadz Peterson **(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 NCTRA WP

Date Received: 8/1/24 — 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: 2.3 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

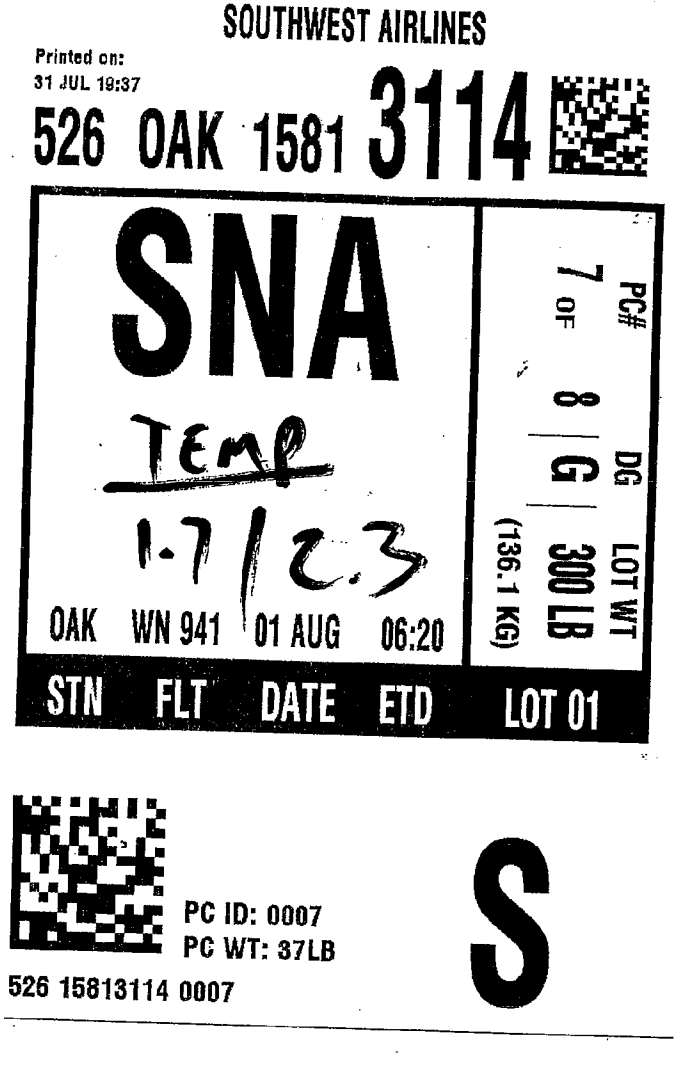
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

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

Project Manager's response:

Completed By: Tri Nguy Date: 8/1/24

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


SOUTHWEST AIRLINES
Printed on:
31 JUL 19:37
526 OAK 1581 3114
SNA
Temp
1.7/2.3
PC#
7 OF 8
DG
G
LOT WT
300 LB
(136.1 KG)
OAK WN 941 01 AUG 06:20
STN FLT DATE ETD LOT 01
PC ID: 0007
PC WT: 37LB
526 15813114 0007
S

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 513150 **Project#:** 20-10491

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

Field ID: DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB **Batch#:** 346727 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082

Lab ID: 513150-001 **Received:** 07/31/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 08/02/24

Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-001 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

513150-001 Surrogate	%REC	Limits
TCMX (PCB)	78	19-121
Decachlorobiphenyl (PCB)	79	19-121

Field ID: DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB **Batch#:** 346727 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082

Lab ID: 513150-004 **Received:** 07/31/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 08/02/24

Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-004 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

513150-004 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 513150 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA **Batch#:** 346727 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082
Lab ID: 513150-006 **Received:** 07/31/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 08/02/24
Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-006 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

513150-006 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	71	19-121

Field ID: DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA **Batch#:** 346727 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082
Lab ID: 513150-008 **Received:** 07/31/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 08/02/24
Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-008 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

513150-008 Surrogate	%REC	Limits
TCMX (PCB)	85	19-121
Decachlorobiphenyl (PCB)	83	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 513150 **Project#:** 20-10491

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

Field ID: DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA **Batch#:** 346727 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082

Lab ID: 513150-009 **Received:** 07/31/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 08/02/24

Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

513150-009 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	73	19-121

Field ID: DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB **Batch#:** 346727 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082

Lab ID: 513150-011 **Received:** 07/31/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 08/02/24

Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

513150-011 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 513150 **Project#:** 20-10491

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

Field ID: 240731-P-FIELDBLANK1-HO **Batch#:** 346727 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 8082

Lab ID: 513150-013 **Received:** 07/31/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 08/02/24

Diln Fac: 1.000 **Analyzed:** 08/03/24

513150-013 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

513150-013 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	74	19-121

Type: BLANK **Batch#:** 346727 **Analysis:** EPA 8082

Lab ID: QC1174809 **Prepared:** 08/02/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 08/03/24

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

QC1174809 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

QC1174809 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	78	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 513150 **Project#:** 20-10491

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

Type: BS **Batch#:** 346727 **Analysis:** EPA 8082

Lab ID: QC1174810 **Prepared:** 08/02/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 08/03/24

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

QC1174810 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.604	72	60-140	ug/100 cm2
Aroclor-1260	5.000	3.615	72	60-140	ug/100 cm2

QC1174810 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	71	19-121

Type: BSD **Batch#:** 346727 **Analysis:** EPA 8082

Lab ID: QC1174811 **Prepared:** 08/02/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 08/03/24

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

QC1174811 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.241	85	60-140	ug/100 cm2	16	20
Aroclor-1260	5.000	4.182	84	60-140	ug/100 cm2	15	20

QC1174811 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	81	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
QUAD: Quadratic regression

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	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

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	16	20.000	**36**	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	**-21**	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	**38**	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	**22**	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	**24**	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	**21**	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	**-21**
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	**-21**		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513150 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

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Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

ENTHALPY CONTINUING CALIBRATION FOR 513150 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464311880004	File:	gc07_080324004	Time:	03-AUG-2024 14:35
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	532.1	ug/L	6	15	0.0000	
Aroclor-1260	A			500.0	526.0	ug/L	5	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.0161	40.00	36.86	pg/uL	-8	15	0.0000	
TCMX (PCB)	A	0.9369	0.9311	40.00	39.75	pg/uL	-1	15	0.0000	
Aroclor-1016	B			500.0	522.2	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	506.2	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.1035	40.00	40.40	pg/uL	1	15	0.0000	
TCMX (PCB)	B	0.9593	0.9693	40.00	40.42	pg/uL	1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	8121529	1.00
1-bromo-2-nitrobenzene (PCB)	A	28707643	35201723	22.62

08/03/24 : 500 PPB PCB CCV

KLR 08/03/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for Ch. A.

KLR 08/03/24 [Aroclor-1260 A]: Separated from coeluting peak for all channels.

Analyst: KLR 08/03/24 **Reviewer:** MTS 08/05/24

Enthalpy Internal Standard Summary for Sequence 464311880

Date:	08/03/24	Reference:	gc07_062824021
Sequence:	SVOA-GC07 gc07_080324	Analyzed:	06/28/24 13:21

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8040733	28707643
		LOWER LIMIT	4020367	14353822
		UPPER LIMIT	16081466	57415286
004	CCV		8121529	35201723

Enthalpy Internal Standard Summary for Sequence 464311880

Date:	08/03/24	Reference:	gc07_080324004
Sequence:	SVOA-GC07 gc07_080324	Analyzed:	08/03/24 14:35

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	8121529	35201723
		LOWER LIMIT	4060764	17600861
		UPPER LIMIT	16243057	70403445
011	SAMPLE	512234-002	8833677	24936310
012	BLANK	QC1174809	8975043	40468960
013	BS	QC1174810	8692662	39849104
014	BSD	QC1174811	8561648	38598061
015	SAMPLE	513150-001	7979375	34396363
016	SAMPLE	513150-004	8210502	35575313
017	SAMPLE	513150-006	8275502	35259719
018	SAMPLE	513150-008	8418688	35800713
019	SAMPLE	513150-009	8377558	35852146
020	SAMPLE	513150-011	7935051	33317640
021	SAMPLE	513150-013	7266194	30534210
022	SAMPLE	513228-001	7976845	33595639
023	SAMPLE	513228-003	7788998	33475728
024	SAMPLE	513228-005	7227073	30294074
025	SAMPLE	513228-007	5949043	25074373
026	SAMPLE	513228-009	6525979	27383904
030	SAMPLE	513175-005	7724341	33216152
030	SAMPLE	513175-005	7724341	33216152
032	BLANK	QC1174910	8007343	34044143
033	BS	QC1174911	6639027	28198551
034	BSD	QC1174912	6974203	29505363
035	SAMPLE	513168-001	7522642	32361704

Enthalpy Internal Standard Summary for Sequence 464311880

Date:	08/03/24	Reference:	gc07_080324004
Sequence:	SVOA-GC07 gc07_080324	Analyzed:	08/03/24 14:35

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.47	4.32
		LOWER LIMIT	4.27	4.12
		UPPER LIMIT	4.67	4.52
011	SAMPLE	512234-002	4.47	4.32
012	BLANK	QC1174809	4.47	4.33
013	BS	QC1174810	4.47	4.32
014	BSD	QC1174811	4.47	4.33
015	SAMPLE	513150-001	4.47	4.32
016	SAMPLE	513150-004	4.47	4.32
017	SAMPLE	513150-006	4.47	4.33
018	SAMPLE	513150-008	4.47	4.32
019	SAMPLE	513150-009	4.47	4.33
020	SAMPLE	513150-011	4.47	4.32
021	SAMPLE	513150-013	4.47	4.32
022	SAMPLE	513228-001	4.47	4.32
023	SAMPLE	513228-003	4.47	4.32
024	SAMPLE	513228-005	4.47	4.32
025	SAMPLE	513228-007	4.47	4.32
026	SAMPLE	513228-009	4.47	4.32
030	SAMPLE	513175-005	4.47	4.32
032	BLANK	QC1174910	4.47	4.32
033	BS	QC1174911	4.47	4.33
034	BSD	QC1174912	4.47	4.32
035	SAMPLE	513168-001	4.47	4.33

Enthalpy Sequence Summary for Sequence 464259633

Instrument: SVOA-GC07 Begun: 06/28/24 07:13
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062824002	PEM				06/28/24 07:13	1.0	1	
003	gc07_062824003	CCV				06/28/24 07:34	1.0	2	ac
004	gc07_062824004	CCV				06/28/24 07:55	1.0	3	
005	gc07_062824005	CCV				06/28/24 08:25	1.0	2	
006	gc07_062824006	CCV				06/28/24 08:46	1.0	3	
019	gc07_062824019	ICAL				06/28/24 12:46	1.0	4	
020	gc07_062824020	ICAL				06/28/24 13:03	1.0	5	
021	gc07_062824021	ICAL				06/28/24 13:21	1.0	6	
022	gc07_062824022	ICAL				06/28/24 13:38	1.0	7	
023	gc07_062824023	ICAL				06/28/24 13:56	1.0	8	
024	gc07_062824024	ICAL				06/28/24 14:13	1.0	9	
025	gc07_062824025	ICAL				06/28/24 14:30	1.0	10	
026	gc07_062824026	ICAL				06/28/24 14:48	1.0	11	
027	gc07_062824027	ICAL				06/28/24 15:05	1.0	12	
028	gc07_062824028	ICAL				06/28/24 15:22	1.0	13	
030	gc07_062824030	ICV				06/28/24 15:57	1.0	14	

KLR 06/28/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

ac=average CCV drift out

Standards Used:
1=S20775 2=S20879 3=S20894 4=S20882 5=S20883 6=S20884 7=S20885 8=S20886 9=S20887 10=S20888 11=S20889 12=S20890 13=S20891 14=S20893

Enthalpy Sequence Summary for Sequence 464311880

Instrument: SVOA-GC07 Begun: 08/03/24 14:00
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc07_080324002	PEM				08/03/24 14:00	1.0	1
003	gc07_080324003	CCV				08/03/24 14:18	1.0	2
004	gc07_080324004	CCV				08/03/24 14:35	1.0	3
005	gc07_080324005	ICAL				08/03/24 14:55	1.0	4
011	gc07_080324011	SAMPLE	512234-002	WET Leachate	346569	08/03/24 16:42	1.0	5
012	gc07_080324012	BLANK	QC1174809	Wipe	346727	08/03/24 17:00	1.0	5
013	gc07_080324013	BS	QC1174810	Wipe	346727	08/03/24 17:17	1.0	5
014	gc07_080324014	BSD	QC1174811	Wipe	346727	08/03/24 17:35	1.0	5
015	gc07_080324015	SAMPLE	513150-001	Wipe	346727	08/03/24 17:52	1.0	5
016	gc07_080324016	SAMPLE	513150-004	Wipe	346727	08/03/24 18:10	1.0	5
017	gc07_080324017	SAMPLE	513150-006	Wipe	346727	08/03/24 18:27	1.0	5
018	gc07_080324018	SAMPLE	513150-008	Wipe	346727	08/03/24 18:45	1.0	5
019	gc07_080324019	SAMPLE	513150-009	Wipe	346727	08/03/24 19:02	1.0	5
020	gc07_080324020	SAMPLE	513150-011	Wipe	346727	08/03/24 19:20	1.0	5
021	gc07_080324021	SAMPLE	513150-013	Wipe	346727	08/03/24 19:37	1.0	5
022	gc07_080324022	SAMPLE	513228-001	Wipe	346727	08/03/24 19:55	1.0	5
023	gc07_080324023	SAMPLE	513228-003	Wipe	346727	08/03/24 20:12	1.0	5
024	gc07_080324024	SAMPLE	513228-005	Wipe	346727	08/03/24 20:30	1.0	5
025	gc07_080324025	SAMPLE	513228-007	Wipe	346727	08/03/24 20:47	1.0	5
026	gc07_080324026	SAMPLE	513228-009	Wipe	346727	08/03/24 21:05	1.0	5
027	gc07_080324027	SAMPLE	513116-015	Soil	346663	08/03/24 21:22	10.0	5
028	gc07_080324028	SAMPLE	513116-020	Soil	346663	08/03/24 21:40	20.0	5
029	gc07_080324029	SAMPLE	513193-002	Soil	346663	08/03/24 21:57	1.0	5
030	gc07_080324030	SAMPLE	513175-005	Soil	346663	08/03/24 22:15	2.0	5
031	gc07_080324031	SAMPLE	513175-005	Soil	346663	08/03/24 22:32	5.0	5
032	gc07_080324032	BLANK	QC1174910	Water	346761	08/03/24 22:50	1.0	5
033	gc07_080324033	BS	QC1174911	Water	346761	08/03/24 23:07	1.0	5
034	gc07_080324034	BSD	QC1174912	Water	346761	08/03/24 23:25	1.0	5
035	gc07_080324035	SAMPLE	513168-001	Water	346761	08/03/24 23:42	1.0	5

KLR 08/03/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

MES 08/08/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 12 through 35.

Standards Used:
1=S20775 2=S21103 3=S21104 4=S20753 5=S20106

SAMPLE PREPARATION SUMMARY

Batch #:	346727	Prep Date:	02-AUG-2024 10:17	Started By:	KXL
Analysis:	8080	Method:	3546	Finished By:	KXL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S21305	Spike S21137	Analysis
QC1174809 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1174810 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1174811 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
513150-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Reviewed By: MES 08/05/24, BLB 08/07/24, MTS 08/08/24

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipes Date/Time: 08/02/24 10:17 Initials: KXL

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A / N/A

Hotblock Temp (Obs/Corr), °C: N/A / N/A

Balance ID: N/A Microdipenser ID: Syringe

Extraction Start Time*: 10:20 Extraction end time*: 11:05

* For hot block, microwave, shaker table

608.3 QC Batch#:

8081 QC Batch #:

8082 QC Batch #: 346727

Sample ID	Cont. ID	Sample Initial Amount (Circle one: DM 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	N/A	MIC2-9	TVL0	10.0		
LCS		1		-10	TV 10	10.0		
LCSD		1		-11	TV 10	10.0		
513150-001	A	1		-12	TV 10	10.0		
-004	A	1		-13	TV 10	10.0		
-006	A	1		-14	TV 10	10.0		
-008	A	1		-15	TV 11	10.0		
-009	A	1		-17	TV 11	10.0		
-011	A	1		-18	TV 11	10.0		
-013	A	1		-19	TV11	10.0		
513228-001	A	1		-20	TV11	10.0		
-003	A	1		-21	TV 11	10.0		
-005	A	1		-22	TV12	10.0		
-007	A	1		-23	TV 12	10.0		
-009	A	1		-24	TV 12	10.0		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S21096

Acetone-Hexane Mix ID: WR-072624-003

Sodium Sulfate Lot: 232416

Baked Sand Lot: N/A

Surrogate ID: S21305 Volume: 500 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S21137 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 513150 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
513150-001	Aroclor-1016	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1221	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1232	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1242	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1248	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1254	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1260	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1262	SVOA-GC07	B	08/03/24 17:52
513150-001	Aroclor-1268	SVOA-GC07	B	08/03/24 17:52
513150-001	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:52
513150-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:52
513150-004	Aroclor-1016	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1221	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1232	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1242	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1248	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1254	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1260	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1262	SVOA-GC07	B	08/03/24 18:10
513150-004	Aroclor-1268	SVOA-GC07	B	08/03/24 18:10
513150-004	TCMX (PCB)	SVOA-GC07	B	08/03/24 18:10
513150-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 18:10
513150-006	Aroclor-1016	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1221	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1232	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1242	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1248	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1254	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1260	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1262	SVOA-GC07	B	08/03/24 18:27
513150-006	Aroclor-1268	SVOA-GC07	B	08/03/24 18:27

REPORTING SUMMARY FOR 513150 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
513150-006	TCMX (PCB)	SVOA-GC07	B	08/03/24 18:27
513150-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 18:27
513150-008	Aroclor-1016	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1221	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1232	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1242	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1248	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1254	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1260	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1262	SVOA-GC07	B	08/03/24 18:45
513150-008	Aroclor-1268	SVOA-GC07	B	08/03/24 18:45
513150-008	TCMX (PCB)	SVOA-GC07	B	08/03/24 18:45
513150-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 18:45
513150-009	Aroclor-1016	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1221	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1232	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1242	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1248	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1254	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1260	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1262	SVOA-GC07	B	08/03/24 19:02
513150-009	Aroclor-1268	SVOA-GC07	B	08/03/24 19:02
513150-009	TCMX (PCB)	SVOA-GC07	B	08/03/24 19:02
513150-009	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 19:02
513150-011	Aroclor-1016	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1221	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1232	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1242	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1248	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1254	SVOA-GC07	B	08/03/24 19:20

REPORTING SUMMARY FOR 513150 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
513150-011	Aroclor-1260	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1262	SVOA-GC07	B	08/03/24 19:20
513150-011	Aroclor-1268	SVOA-GC07	B	08/03/24 19:20
513150-011	TCMX (PCB)	SVOA-GC07	B	08/03/24 19:20
513150-011	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 19:20
513150-013	Aroclor-1016	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1221	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1232	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1242	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1248	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1254	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1260	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1262	SVOA-GC07	B	08/03/24 19:37
513150-013	Aroclor-1268	SVOA-GC07	B	08/03/24 19:37
513150-013	TCMX (PCB)	SVOA-GC07	B	08/03/24 19:37
513150-013	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 19:37
QC1174809	Aroclor-1016	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1221	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1232	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1242	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1248	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1254	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1260	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1262	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1268	SVOA-GC07	B	08/03/24 17:00
QC1174809	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:00
QC1174809	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:00
QC1174810	Aroclor-1016	SVOA-GC07	B	08/03/24 17:17
QC1174810	Aroclor-1260	SVOA-GC07	B	08/03/24 17:17
QC1174810	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:17

REPORTING SUMMARY FOR 513150 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1174810	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:17
QC1174811	Aroclor-1016	SVOA-GC07	B	08/03/24 17:35
QC1174811	Aroclor-1260	SVOA-GC07	B	08/03/24 17:35
QC1174811	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:35
QC1174811	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:35

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-001	Client ID:	DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB
Seqnum:	464311880015	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324015	Batch:	346727	Time:	03-AUG-2024 17:52
Cal:	464259633001	Caldate:	28-JUN-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	26.42	ug/L	ND	0.95	113%	0.50		u
Aroclor-1016 Peak # 1	B	20.50	ug/L	0.21	0.05	119%			
Aroclor-1016 Peak # 2	B	0.5281	ug/L	0.01	0.06	168%			
Aroclor-1016 Peak # 3	B	98.55	ug/L	0.99	0.81	20%			
Aroclor-1016 Peak # 4	B	11.58	ug/L	0.12	0.43	116%			
Aroclor-1016 Peak # 5	B	0.9196	ug/L	0.01	3.40	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	18.24	ug/L	ND	0.73	120%	0.50		u
Aroclor-1260 Peak # 1	B	16.59	ug/L	0.17	1.50	160%			
Aroclor-1260 Peak # 2	B	8.387	ug/L	0.08	0.02	129%			
Aroclor-1260 Peak # 3	B	10.30	ug/L	0.10	0.03	104%			
Aroclor-1260 Peak # 4	B	18.50	ug/L	0.18	1.25	148%			
Aroclor-1260 Peak # 5	B	37.42	ug/L	0.37	0.87	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	39.12	pg/uL	0.5000	0.3912	78	19-121	u
Decachlorobiphenyl (PCB)	B	39.44	pg/uL	0.5000	0.3944	79	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	7979375	-1.75
1-bromo-2-nitrobenzene (PCB)	A	35201723	34396363	-2.29

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

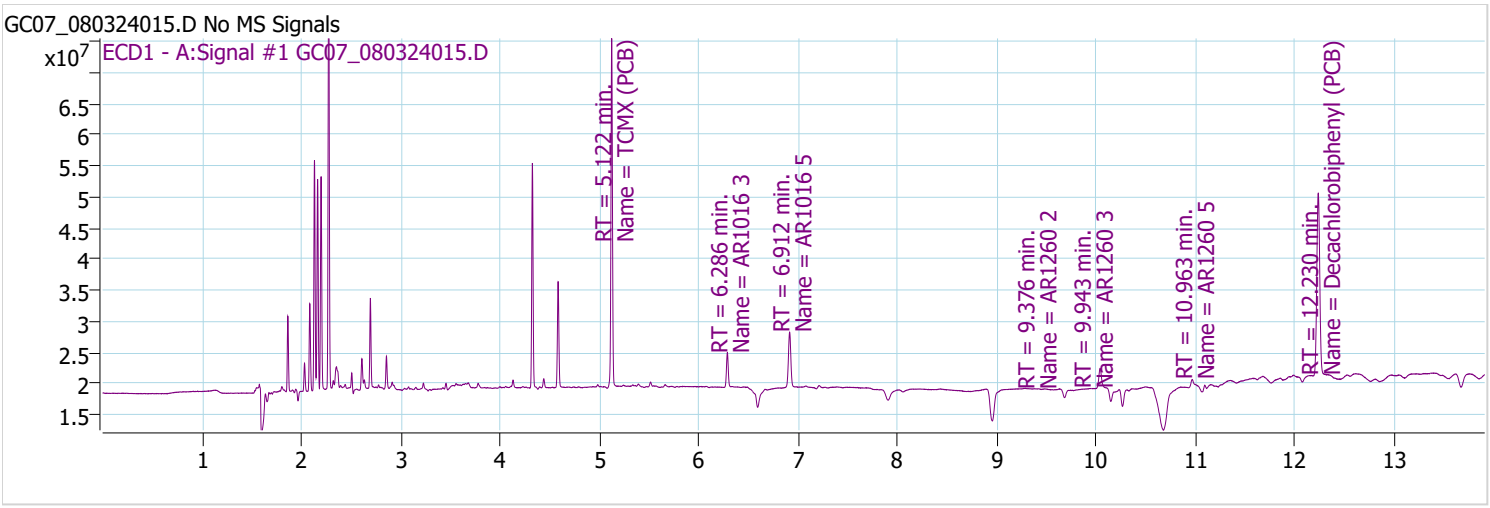
08/05/24 : SOIL/10G-10ML

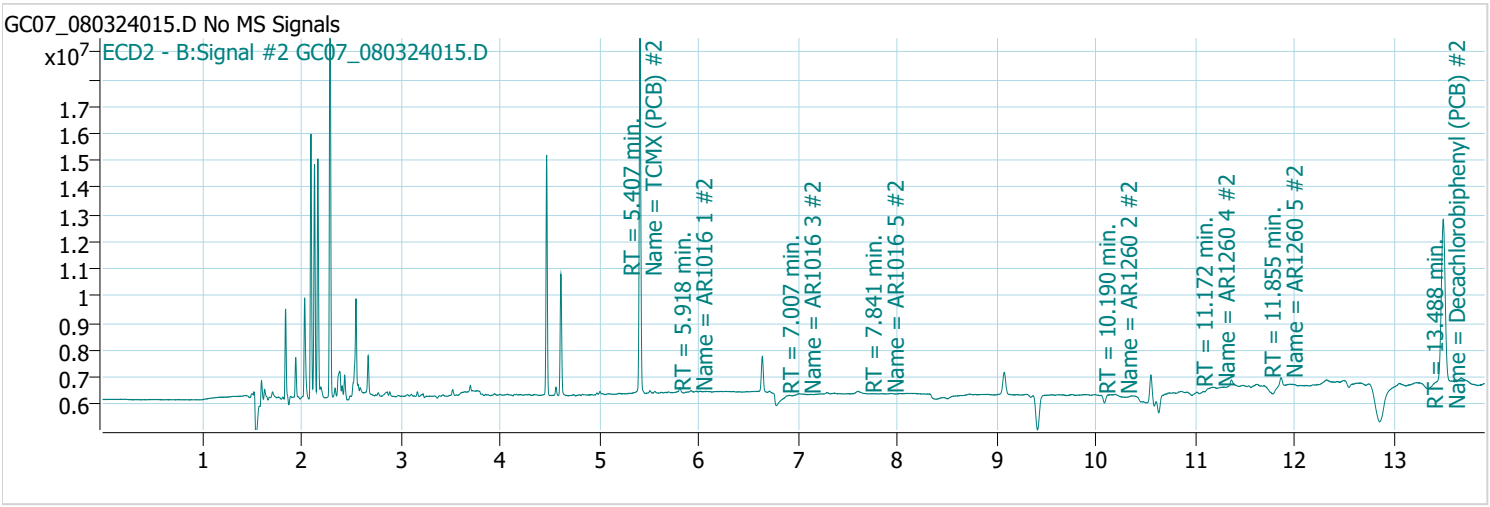
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324015.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:52:31 PM
Sample Name	513150-001, 346569, 1	Instrument	SVOA-GC07
Vial	5	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



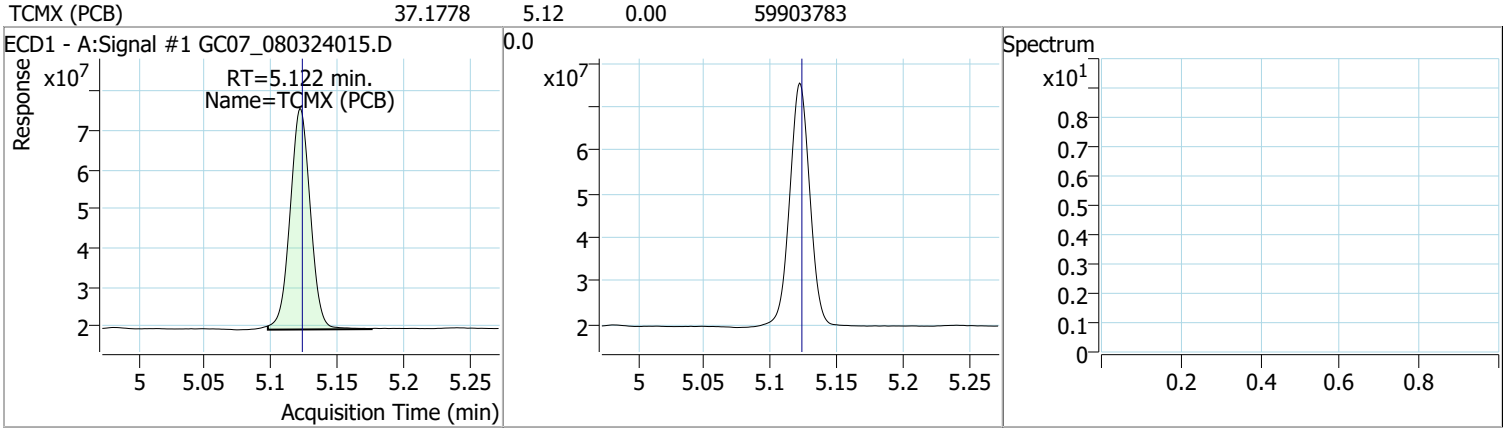


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	34396362.756	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	7979375.191	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.122	0.0	59903782.764	37.1778	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.89%		*	
S TCMX (PCB) #2	5.407	0.0	14971111.522	39.1166	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.58%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	65891188.163	34.7450	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.73%		*	
S Decachlorobiphenyl (PCB) #2	13.488	0.0	17193541.736	39.4425	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.21%		*	
Target Compounds							QValue

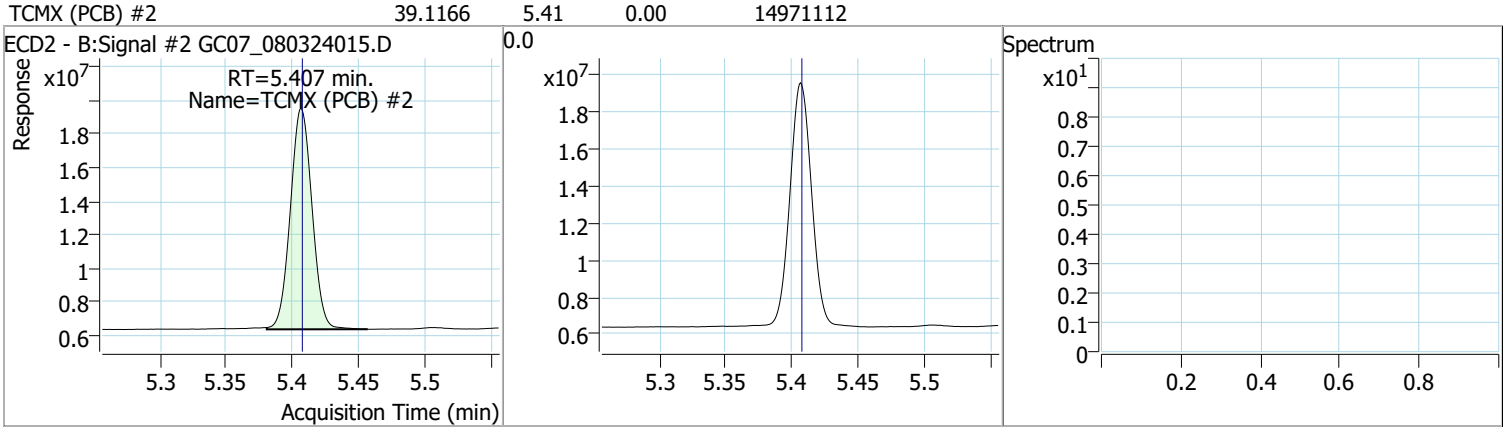
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.473	0.0	155634.028	5.1765	ng/ml	100
T AR1016 2	5.836	0.0	380214.277	6.0874	ng/ml	100
T AR1016 1 #2	5.918	0.0	172721.013	20.5009	ng/ml	100
T AR1016 3	6.286	0.0	7176155.326	80.9693	ng/ml	100
T AR1016 2 #2	6.354	0.0	9192.102	0.5281	ng/ml	100
T AR1016 4	6.336	0.0	2271741.879	43.4672	ng/ml	100
T AR1016 3 #2	7.007	0.0	2139525.724	98.5516	ng/ml	100
T AR1016 5	6.912	0.0	15635135.497	340.3396	ng/ml	100
T AR1016 4 #2	7.007	0.0	185884.080	11.5826	ng/ml	100
T AR1016 5 #2	7.841	0.0	11935.681	0.9196	ng/ml	100
T AR1260 1	8.893	0.0	13855819.094	150.3829	ng/ml	100
T AR1260 2	9.376	0.0	254226.966	1.8066	ng/ml	100
T AR1260 3	9.943	0.0	492815.705	3.2549	ng/ml	100
T AR1260 1 #2	10.133	0.0	383032.975	16.5923	ng/ml	100
T AR1260 2 #2	10.190	0.0	243242.190	8.3874	ng/ml	100
T AR1260 4	10.227	0.0	10899492.723	124.5177	ng/ml	100
T AR1260 3 #2	10.598	0.0	359530.162	10.2993	ng/ml	100
T AR1260 5	10.963	0.0	9126430.345	87.0691	ng/ml	100
T AR1260 4 #2	11.172	0.0	408338.650	18.4991	ng/ml	100
T AR1260 5 #2	11.855	0.0	1226139.397	37.4168	ng/ml	100

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

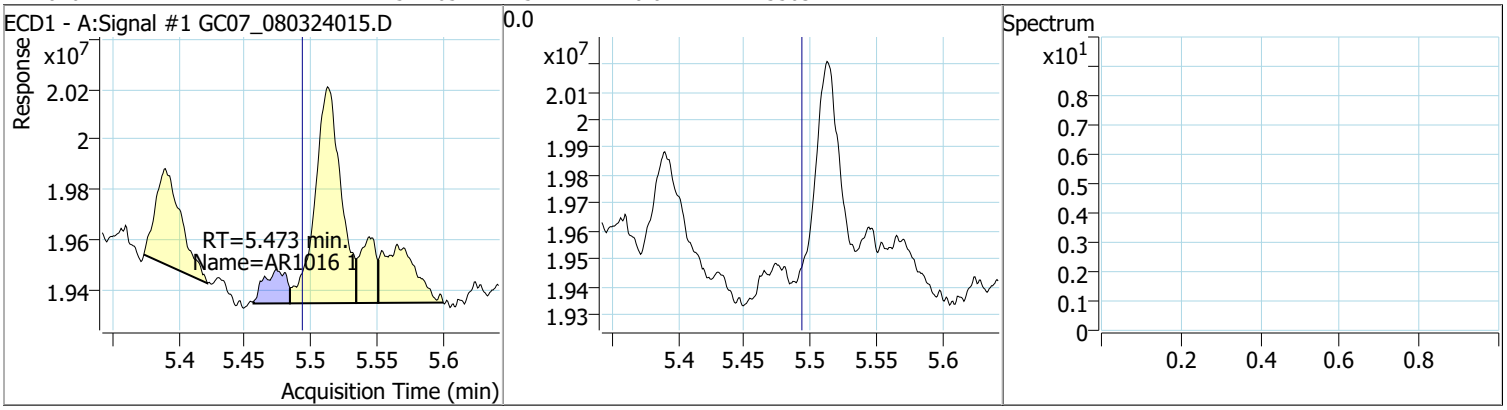
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.1778	5.12	0.00	59903783				



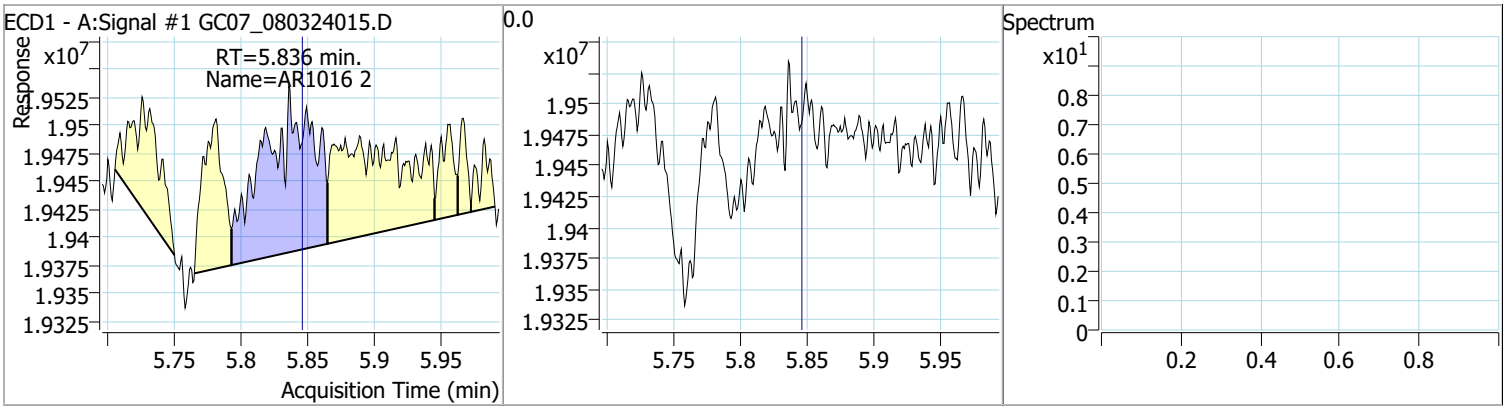
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.1166	5.41	0.00	14971112				



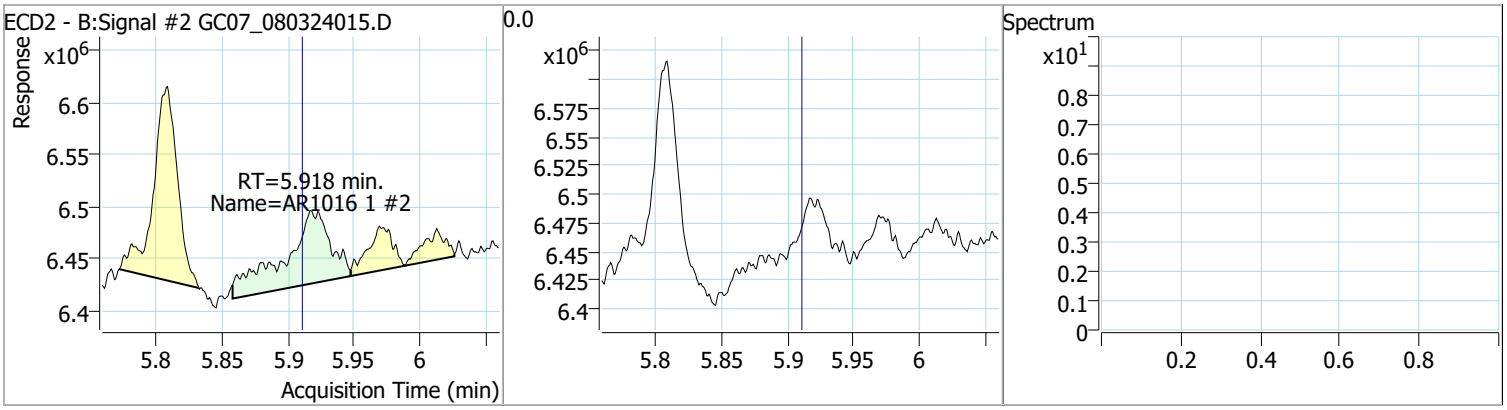
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.1765	5.47	-0.02	155634				



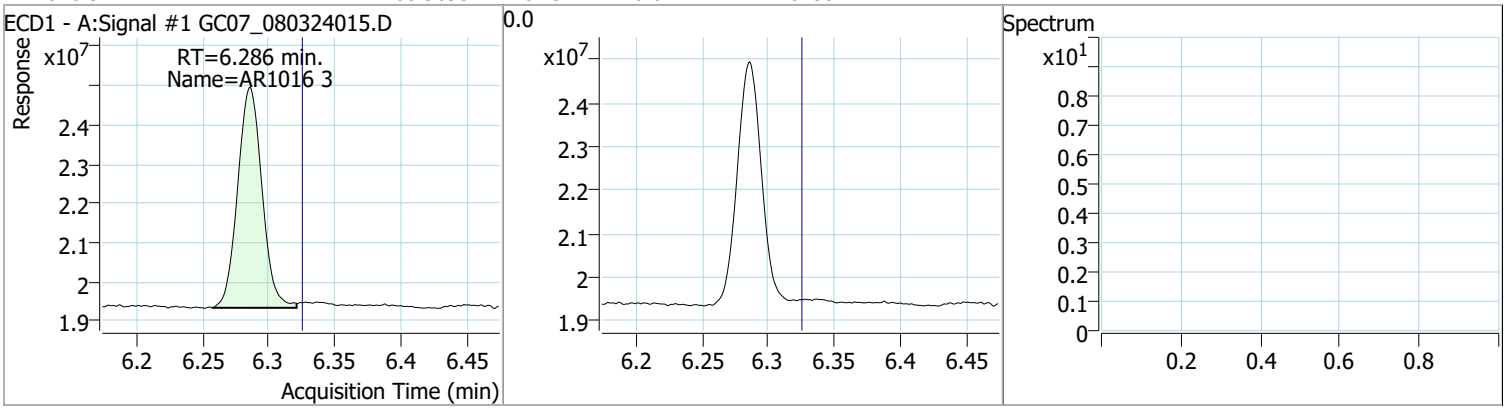
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.0874	5.84	-0.01	380214				



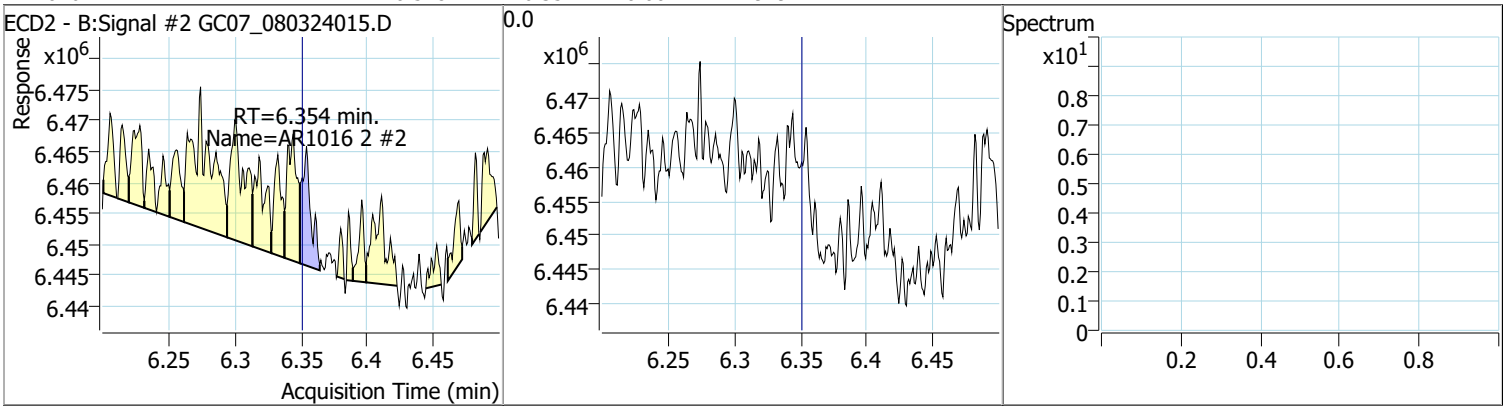
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	20.5009	5.92	0.01	172721				



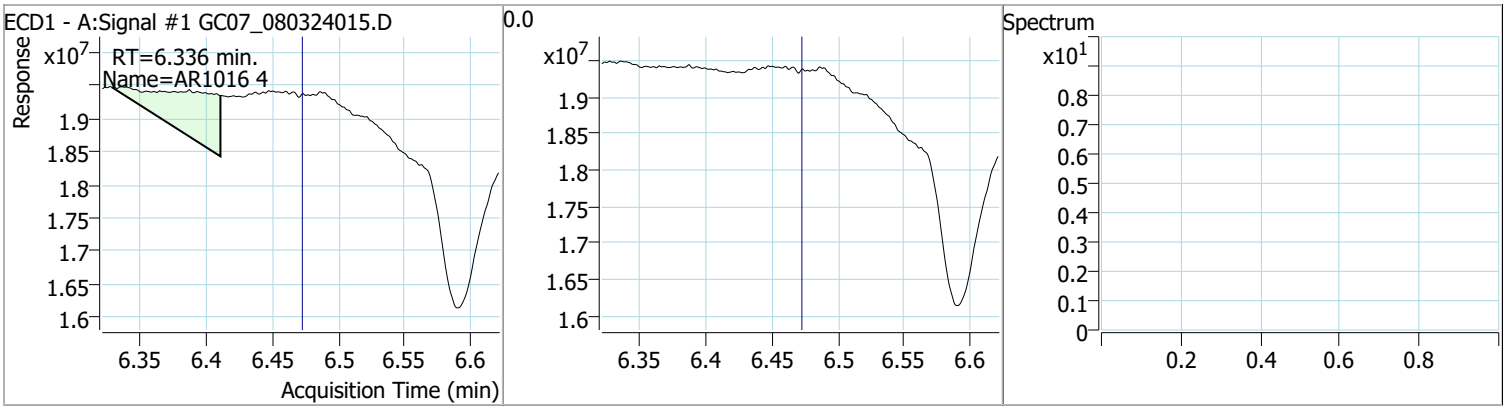
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	80.9693	6.29	-0.04	7176155				



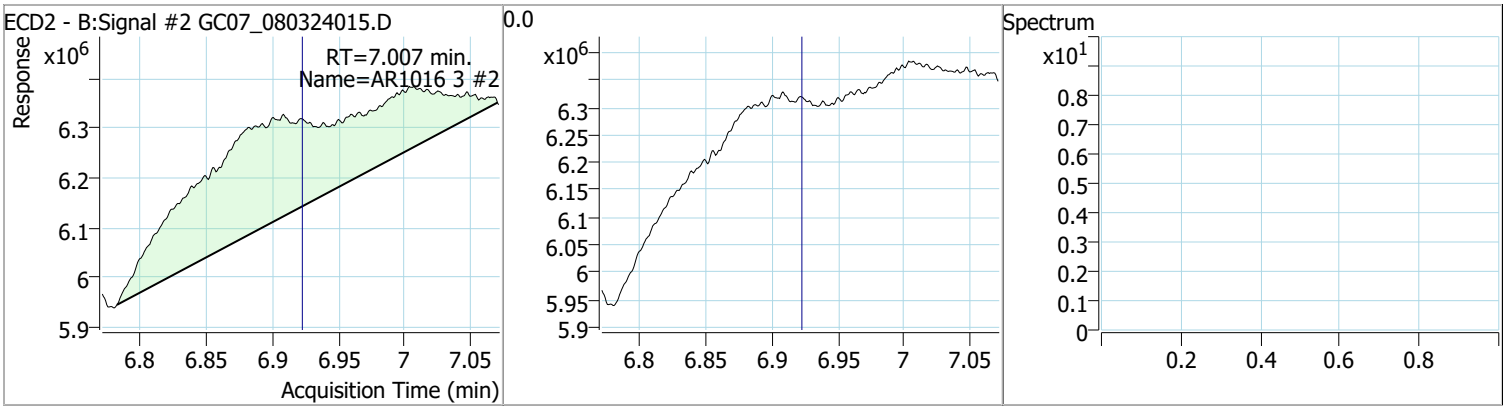
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.5281	6.35	0.00	9192				



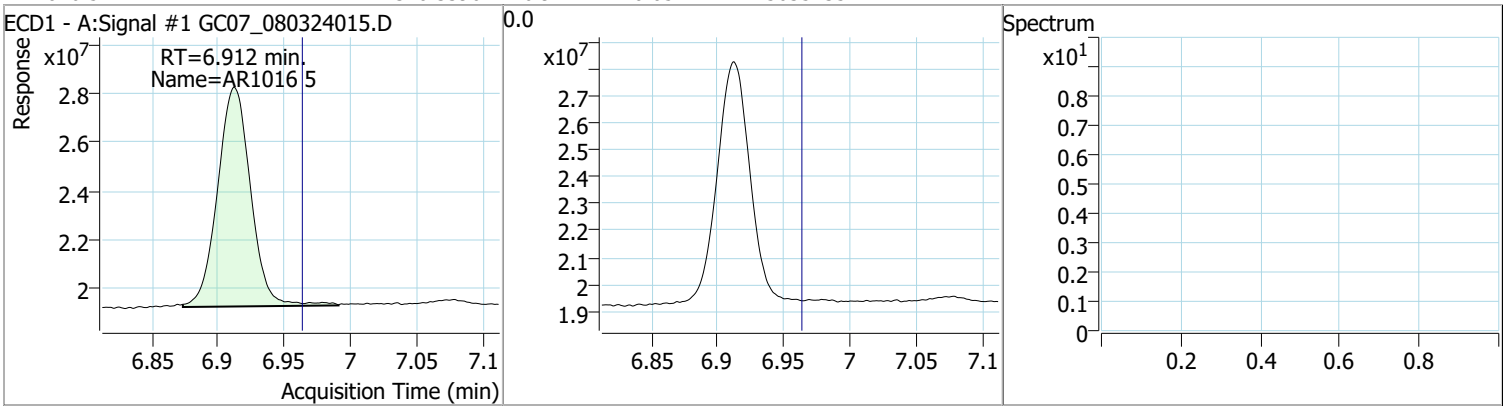
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	43.4672	6.34	-0.14	2271742				



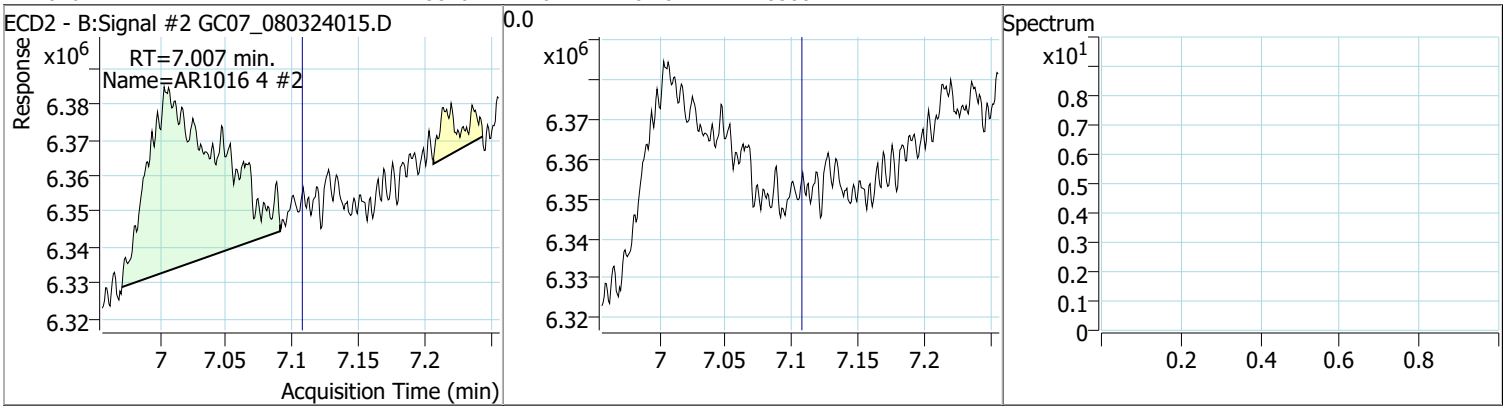
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	98.5516	7.01	0.08	2139526				



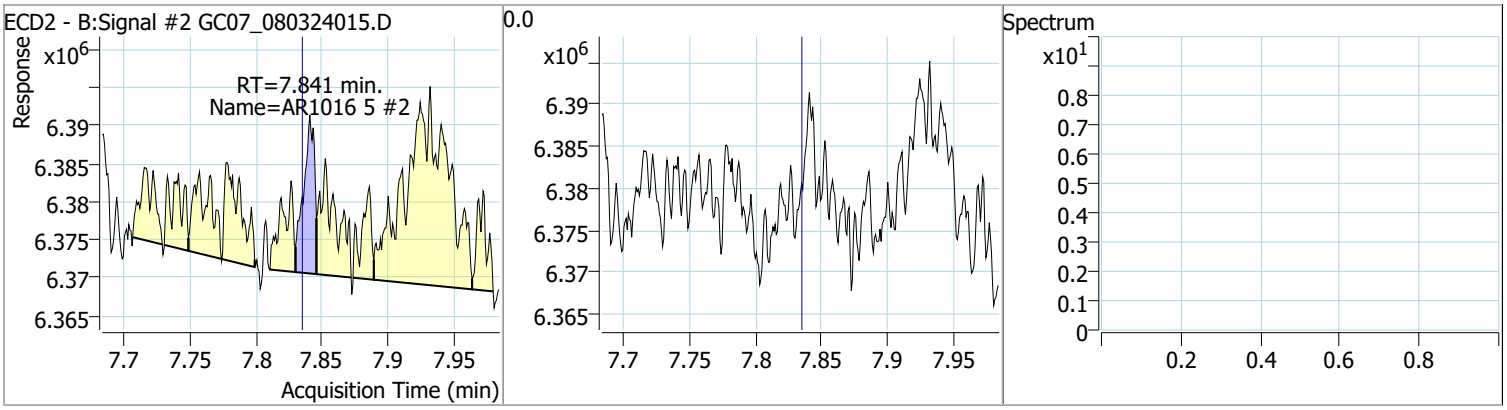
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	340.3396	6.91	-0.05	15635135				



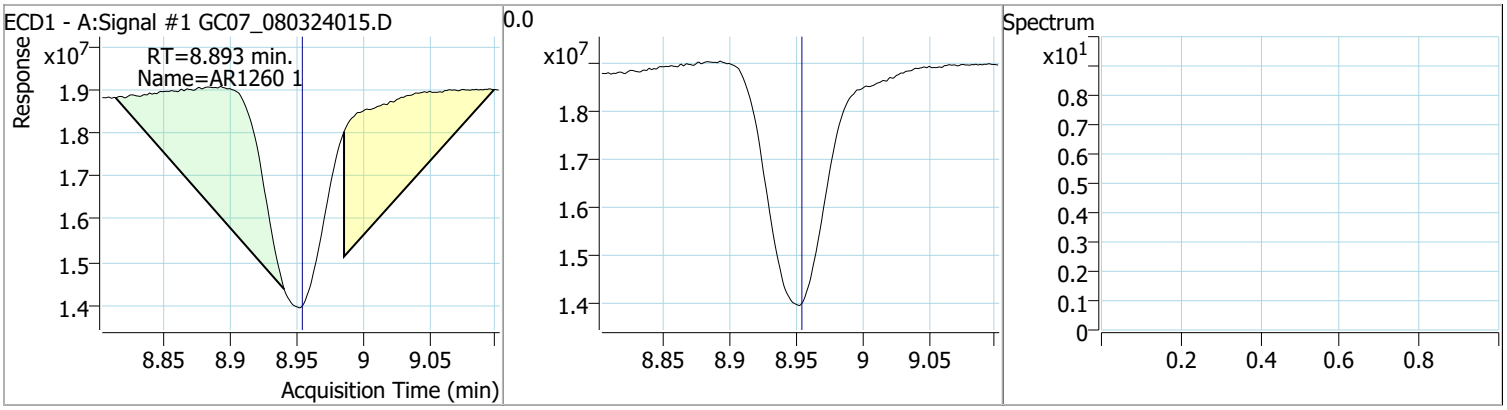
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.5826	7.01	-0.10	185884				



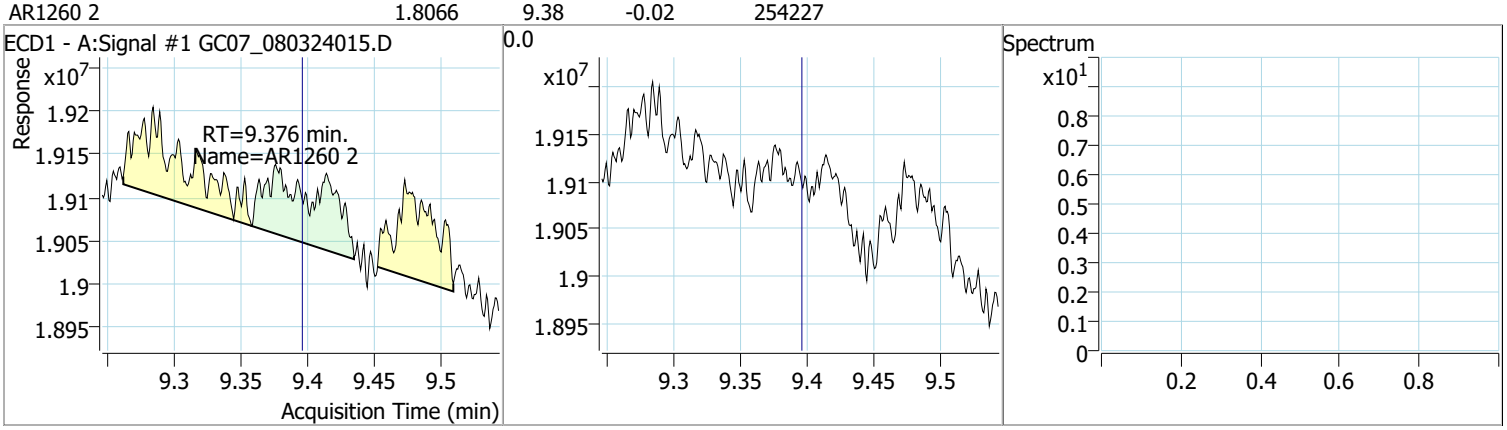
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9196	7.84	0.01	11936				



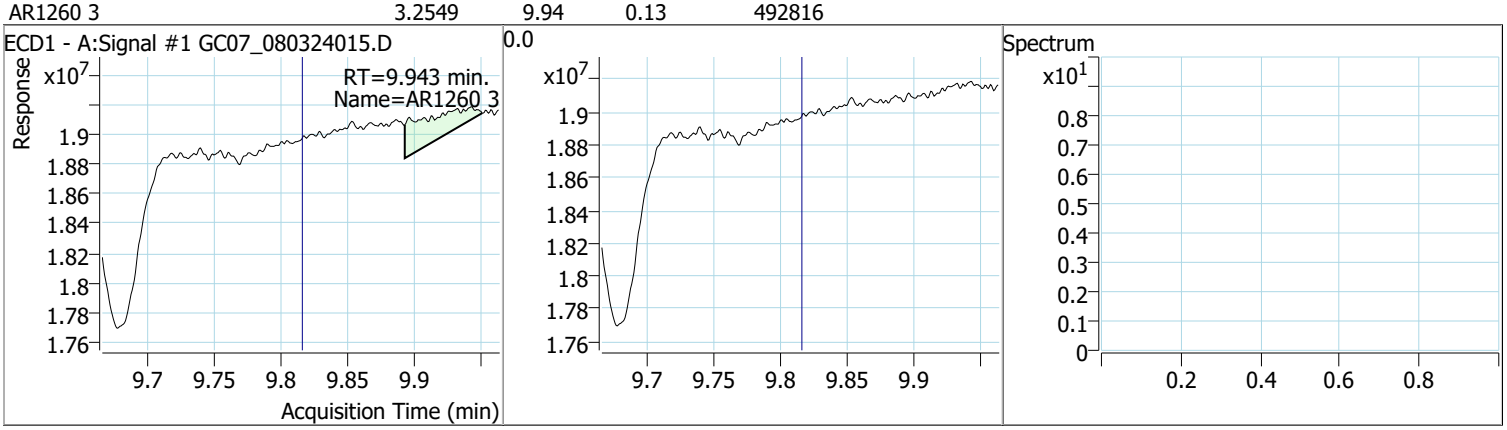
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	150.3829	8.89	-0.06	13855819				



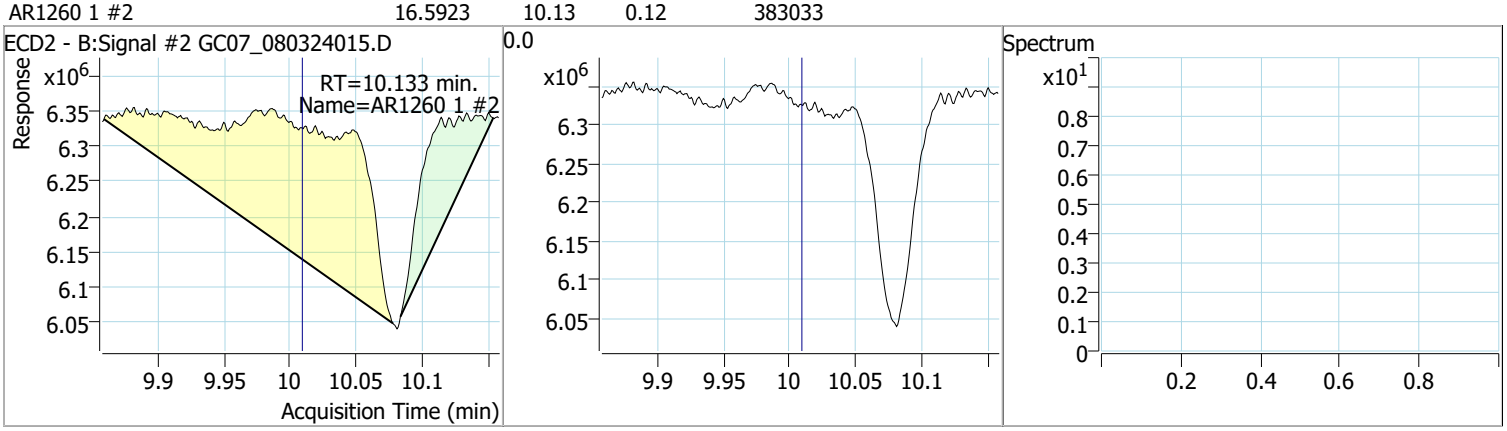
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.8066	9.38	-0.02	254227				



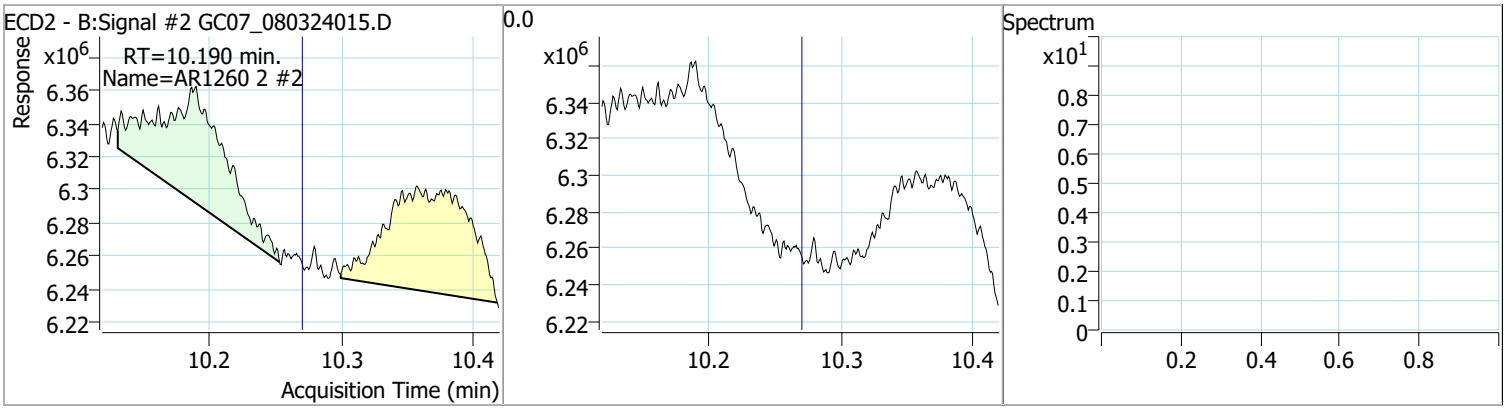
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.2549	9.94	0.13	492816				



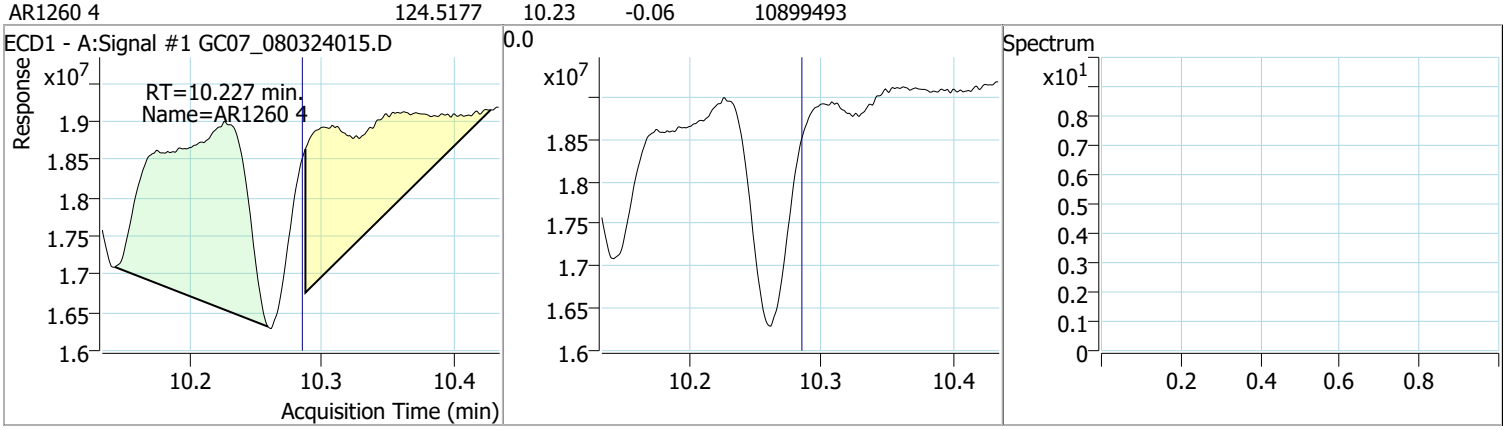
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	16.5923	10.13	0.12	383033				



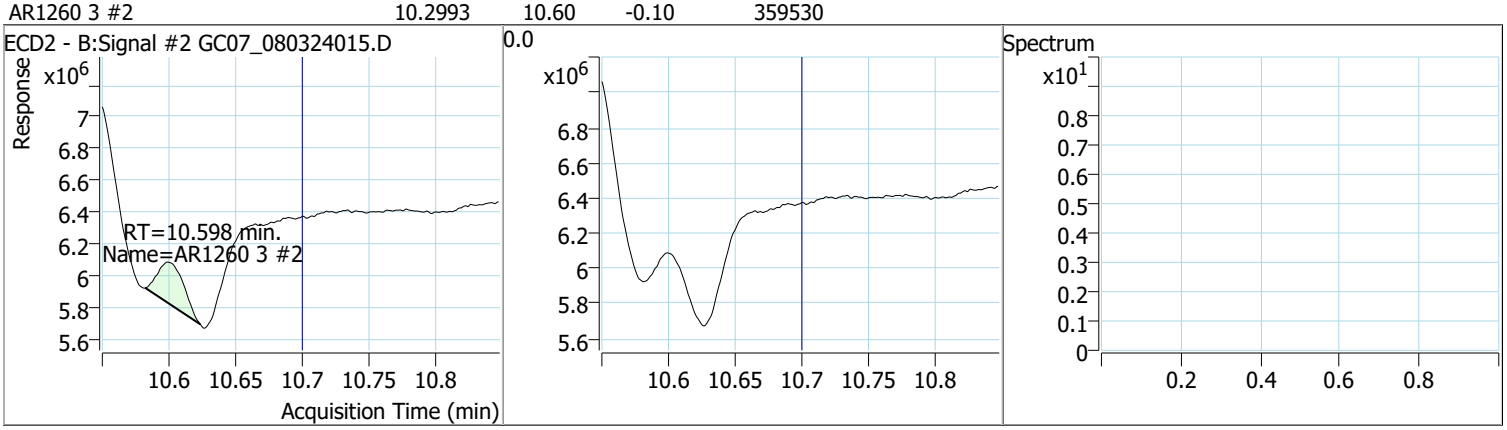
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.3874	10.19	-0.08	243242				



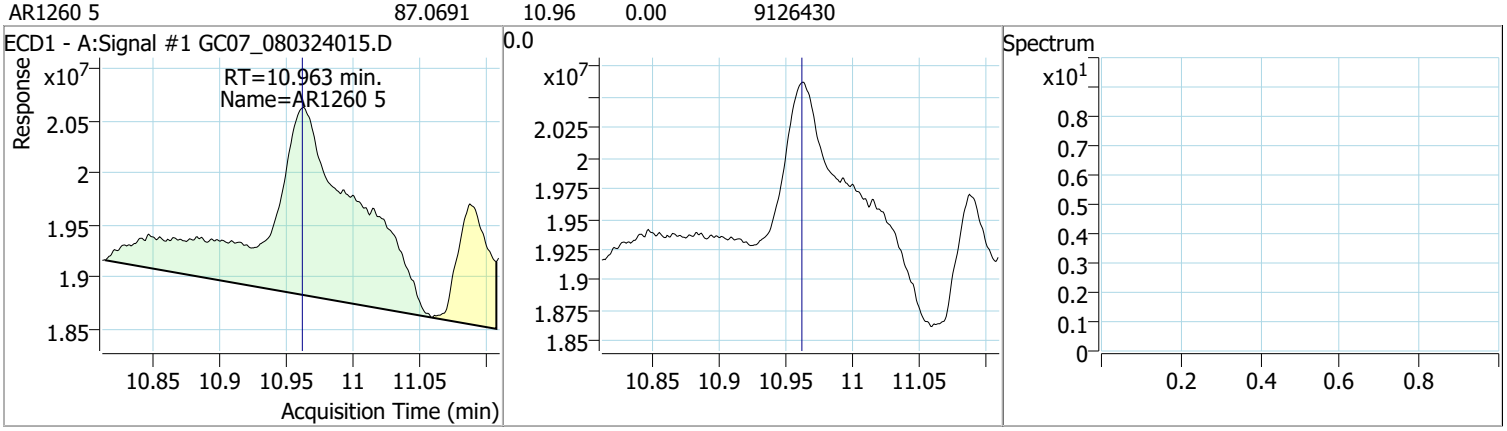
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	124.5177	10.23	-0.06	10899493				



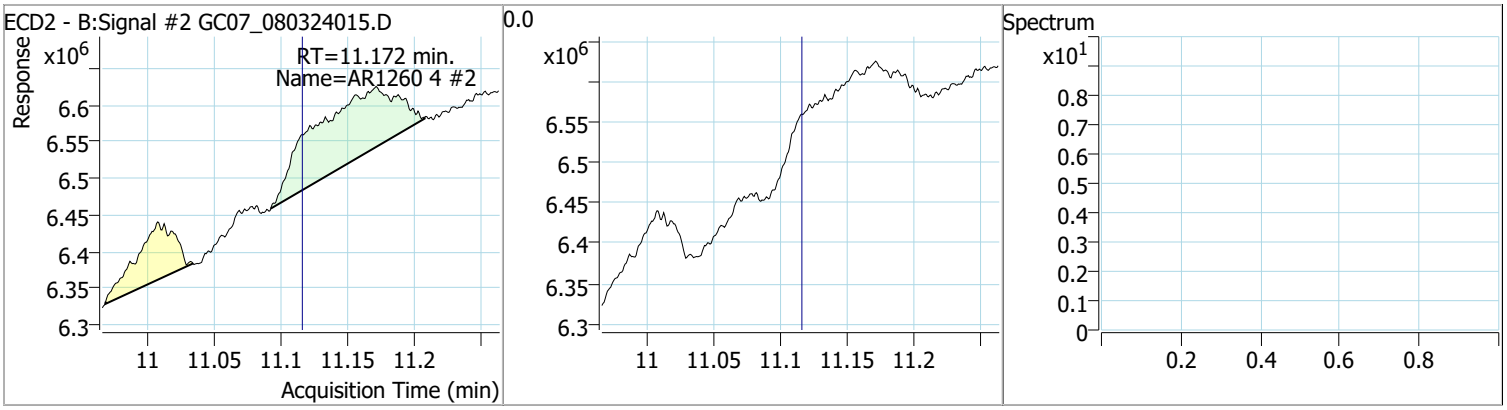
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.2993	10.60	-0.10	359530				



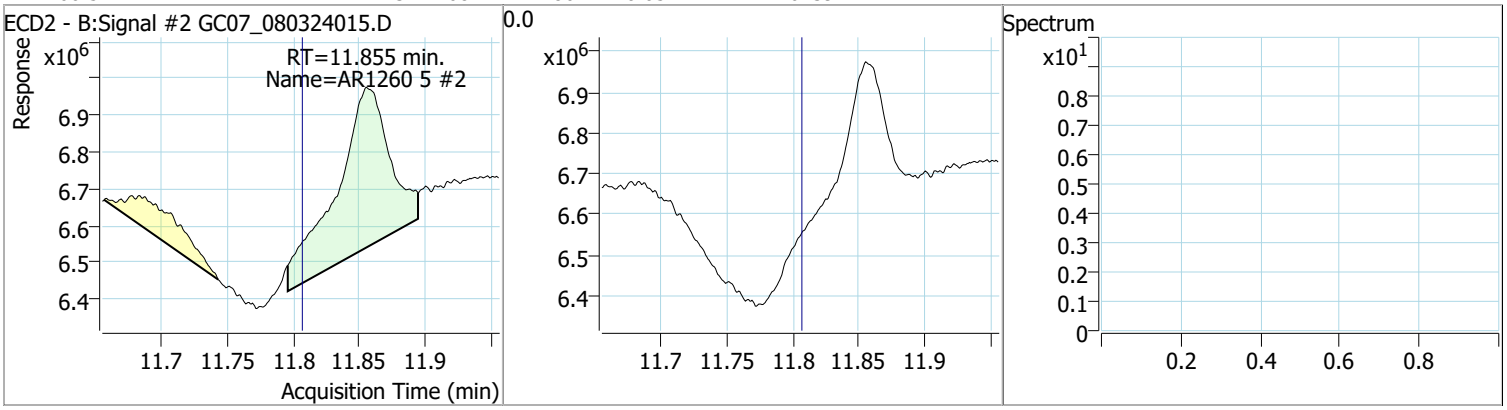
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	87.0691	10.96	0.00	9126430				



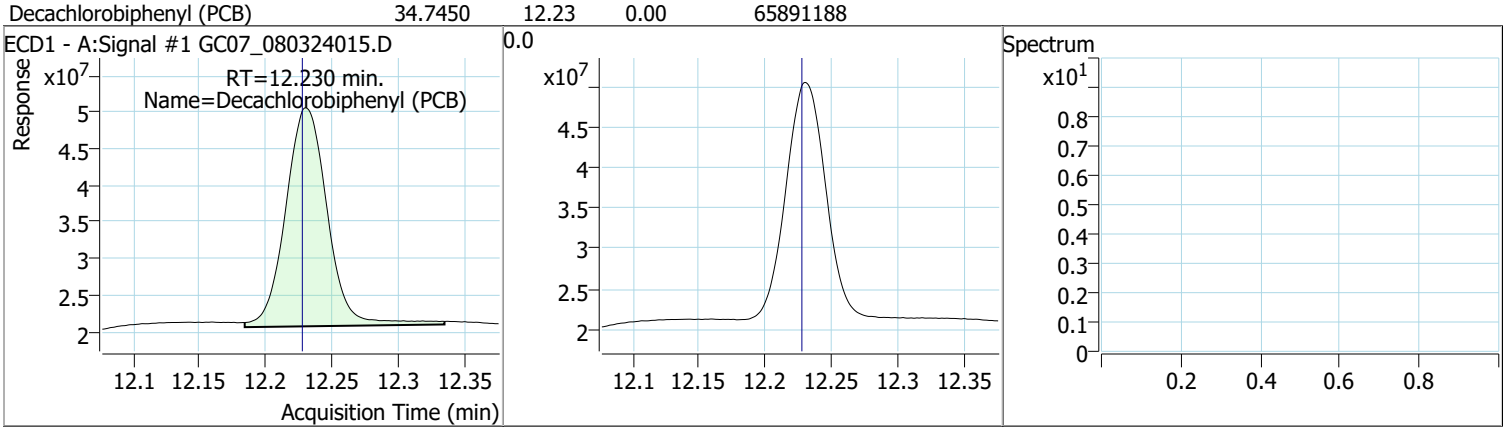
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	18.4991	11.17	0.06	408339				



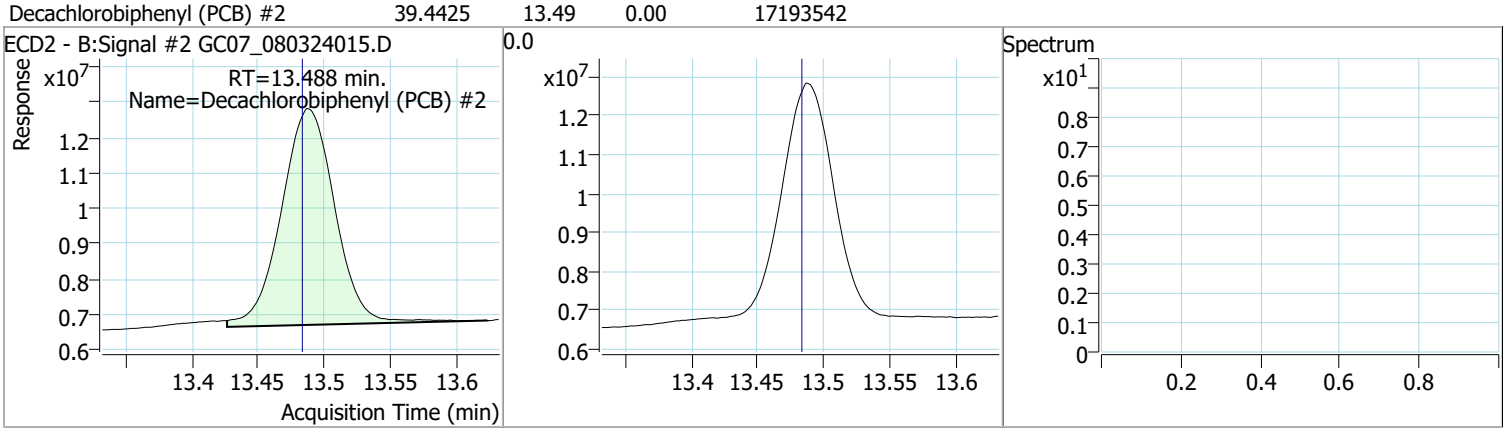
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	37.4168	11.86	0.05	1226139				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.7450	12.23	0.00	65891188				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.4425	13.49	0.00	17193542				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-004	Client ID:	DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB
Seqnum:	464311880016	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324016	Batch:	346727	Time:	03-AUG-2024 18:10
Cal:	464259633001	Caldate:	28-JUN-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	39.80	ug/L	ND	1.3	105%	0.50		u
Aroclor-1016 Peak # 1	B	34.50	ug/L	0.34	0.49	34%			
Aroclor-1016 Peak # 2	B	0.9643	ug/L	0.01	0.06	147%			
Aroclor-1016 Peak # 3	B	161.2	ug/L	1.61	2.89	57%			
Aroclor-1016 Peak # 4	B	0.9107	ug/L	0.01	ND				
Aroclor-1016 Peak # 5	B	1.448	ug/L	0.01	2.91	198%			
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	28.68	ug/L	ND	0.66	79%	0.50		u
Aroclor-1260 Peak # 1	B	54.86	ug/L	0.55	1.49	92%			
Aroclor-1260 Peak # 2	B	12.75	ug/L	0.13	0.03	131%			
Aroclor-1260 Peak # 3	B	10.65	ug/L	0.11	ND				
Aroclor-1260 Peak # 4	B	10.50	ug/L	0.10	1.10	165%			
Aroclor-1260 Peak # 5	B	54.65	ug/L	0.55	0.69	23%			
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	39.81	pg/uL	0.5000	0.3981	80	19-121	u
Decachlorobiphenyl (PCB)	B	37.27	pg/uL	0.5000	0.3727	75	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8210502	1.10
1-bromo-2-nitrobenzene (PCB)	A	35201723	35575313	1.06

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

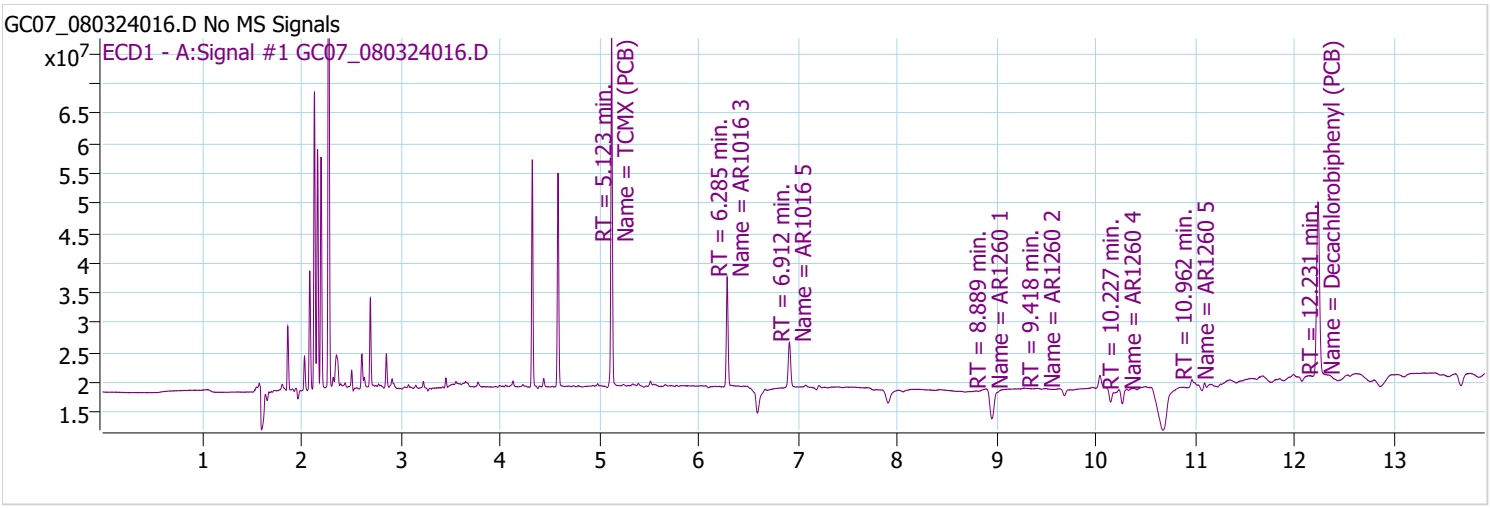
08/05/24 : SOIL/10G-10ML

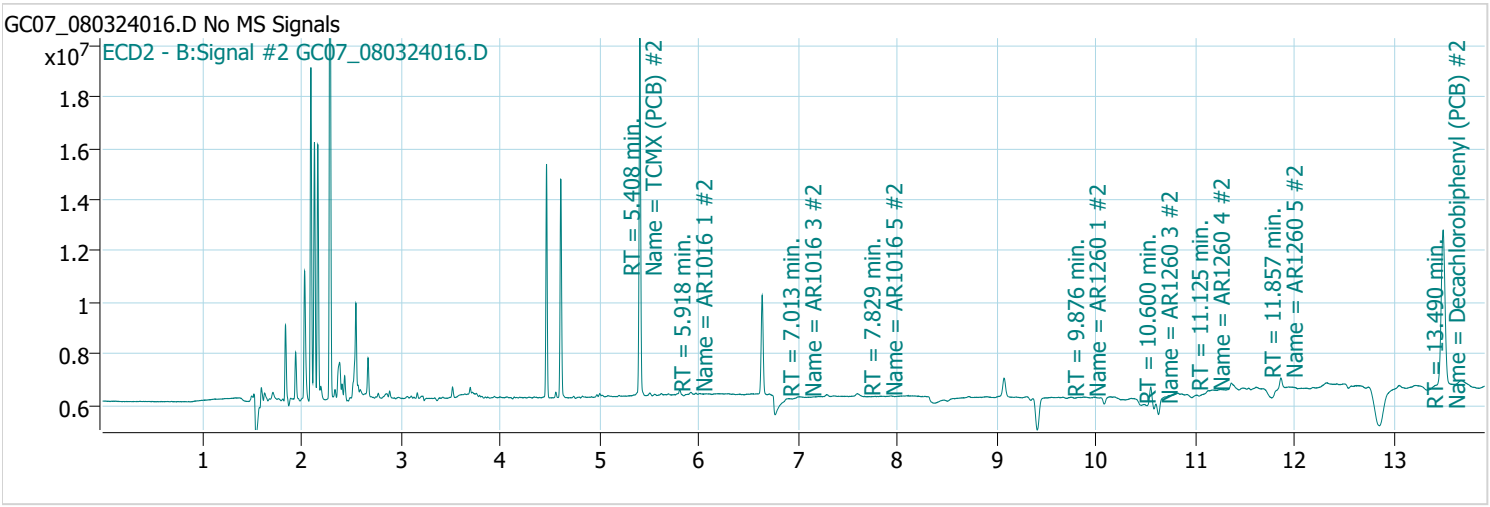
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 6:10:04 PM
Sample Name	513150-004, 346569, 1	Instrument	SVOA-GC07
Vial	6	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



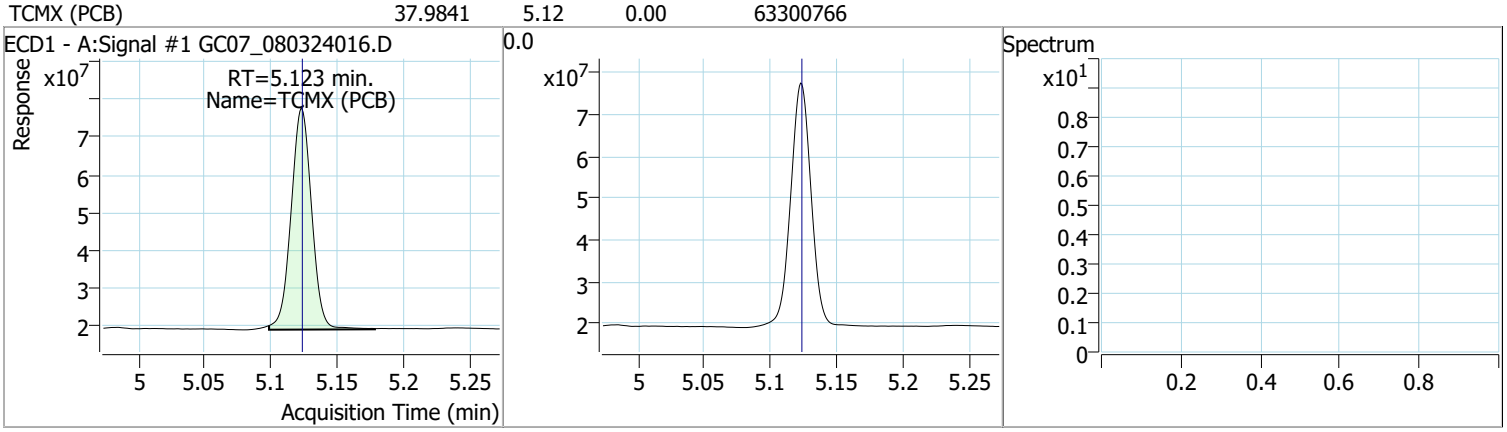


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	35575312.896	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8210502.029	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	63300765.563	37.9841	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.92%		*	
S TCMX (PCB) #2	5.408	0.0	15676693.165	39.8071	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.04%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	65184516.549	33.2333	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.17%		*	
S Decachlorobiphenyl (PCB) #2	13.490	0.0	16716417.265	37.2685	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.34%		*	
Target Compounds							QValue

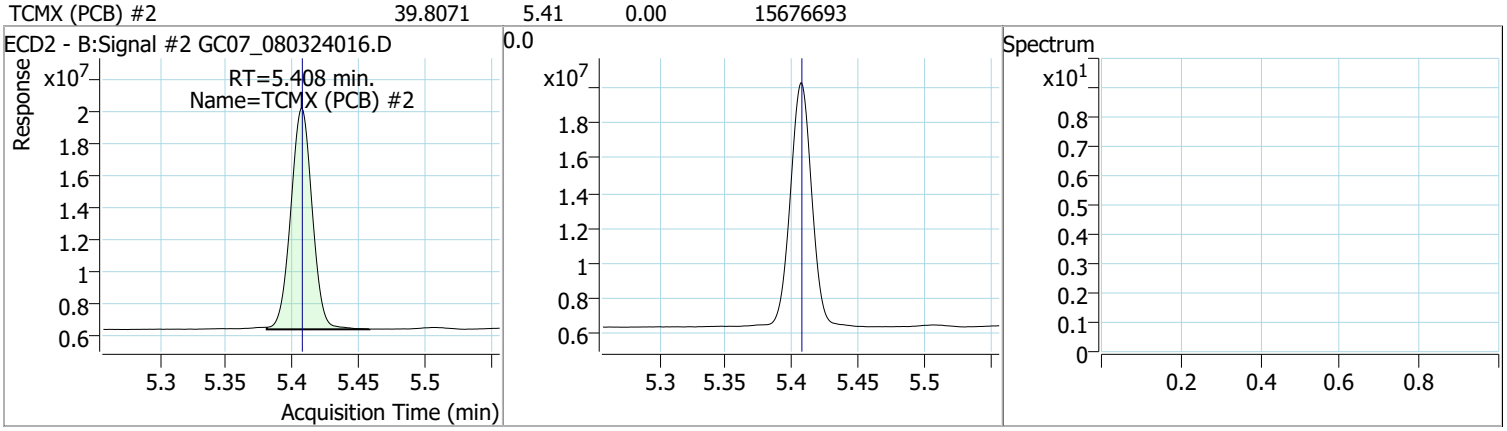
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.514	0.0	1516651.086	48.7729	ng/ml	100
T AR1016 2	5.853	0.0	405611.391	6.2788	ng/ml	100
T AR1016 1 #2	5.918	0.0	299083.395	34.5000	ng/ml	100
T AR1016 3	6.285	0.0	22601489.235	288.9597	ng/ml	100
T AR1016 2 #2	6.343	0.0	17272.290	0.9643	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 3 #2	7.013	0.0	3600029.700	161.1578	ng/ml	100
T AR1016 5	6.912	0.0	13807950.464	290.6055	ng/ml	100
T AR1016 4 #2	7.111	0.0	15038.073	0.9107	ng/ml	100
T AR1016 5 #2	7.829	0.0	19336.765	1.4478	ng/ml	100
T AR1260 1	8.889	0.0	14199655.098	149.0074	ng/ml	100
T AR1260 2	9.418	0.0	389419.646	2.6756	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.876	0.0	1303234.404	54.8645	ng/ml	100
T AR1260 2 #2	10.353	0.0	380467.982	12.7499	ng/ml	100
T AR1260 4	10.227	0.0	9962693.071	110.0438	ng/ml	100
T AR1260 3 #2	10.600	0.0	382589.645	10.6513	ng/ml	100
T AR1260 5	10.962	0.0	7494452.902	69.1301	ng/ml	100
T AR1260 4 #2	11.125	0.0	238420.742	10.4972	ng/ml	100
T AR1260 5 #2	11.857	0.0	1842719.892	54.6495	ng/ml	100

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

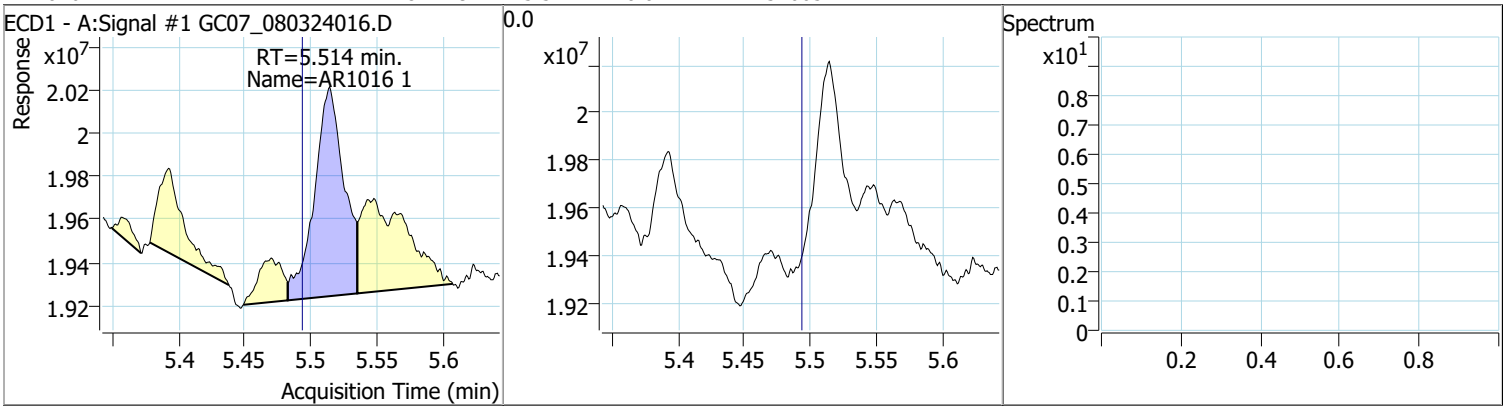
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.9841	5.12	0.00	63300766				



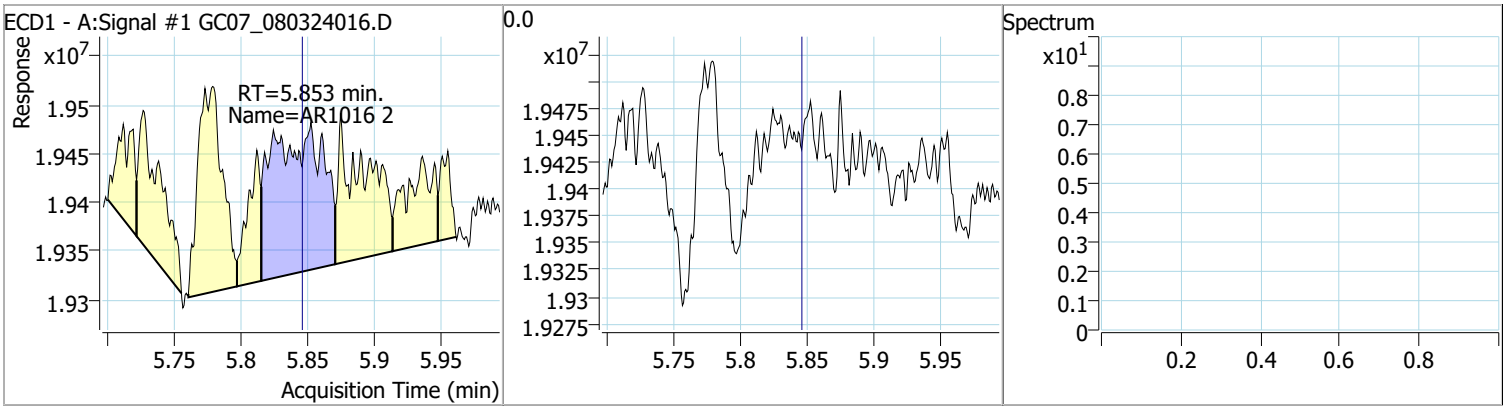
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.8071	5.41	0.00	15676693				



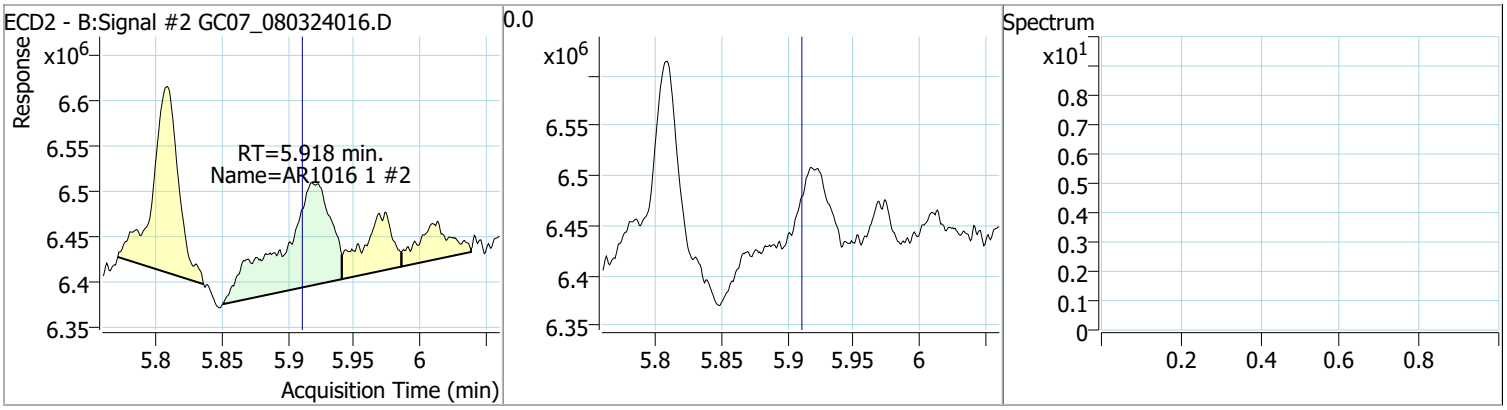
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	48.7729	5.51	0.02	1516651				



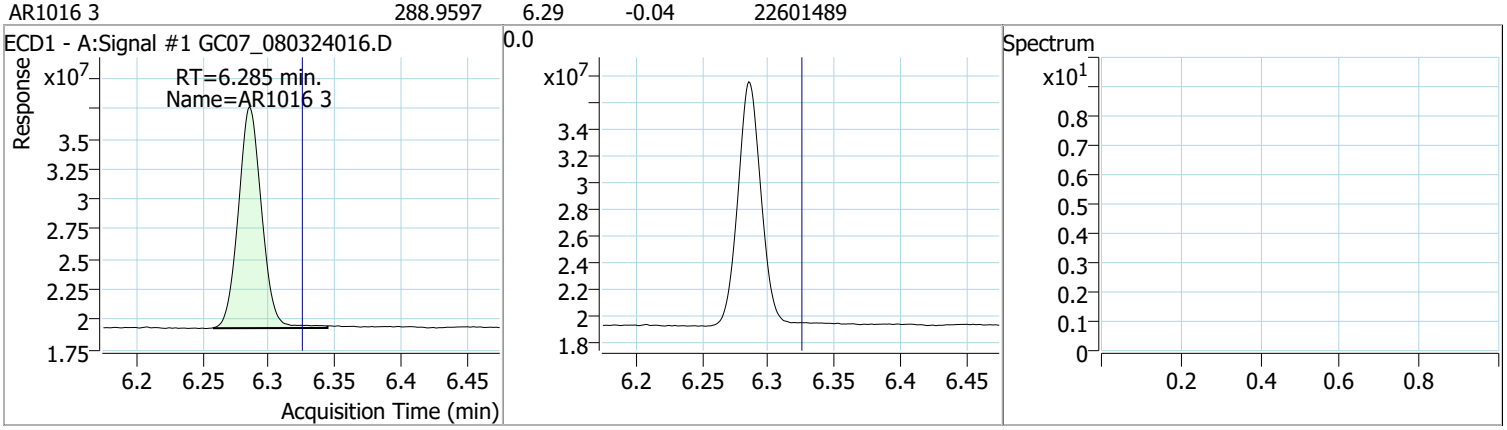
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.2788	5.85	0.01	405611				



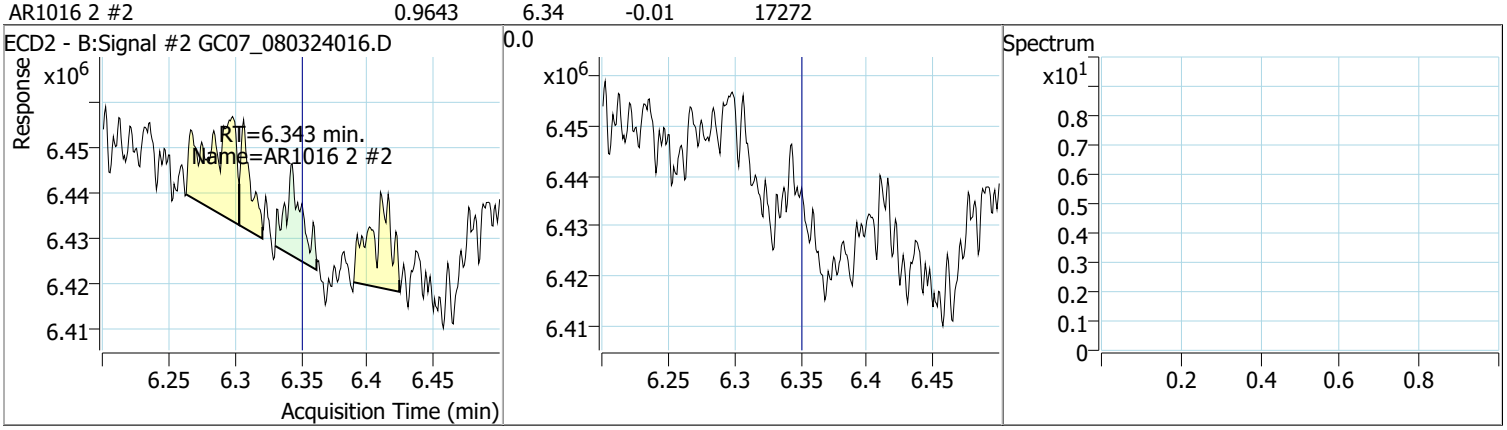
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	34.5000	5.92	0.01	299083				



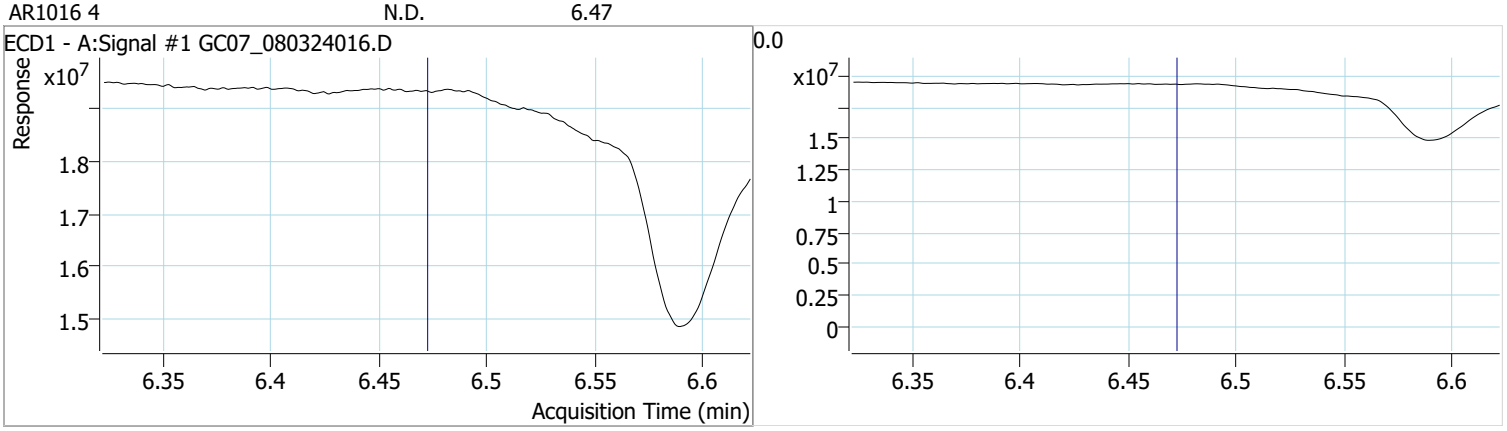
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	288.9597	6.29	-0.04	22601489				



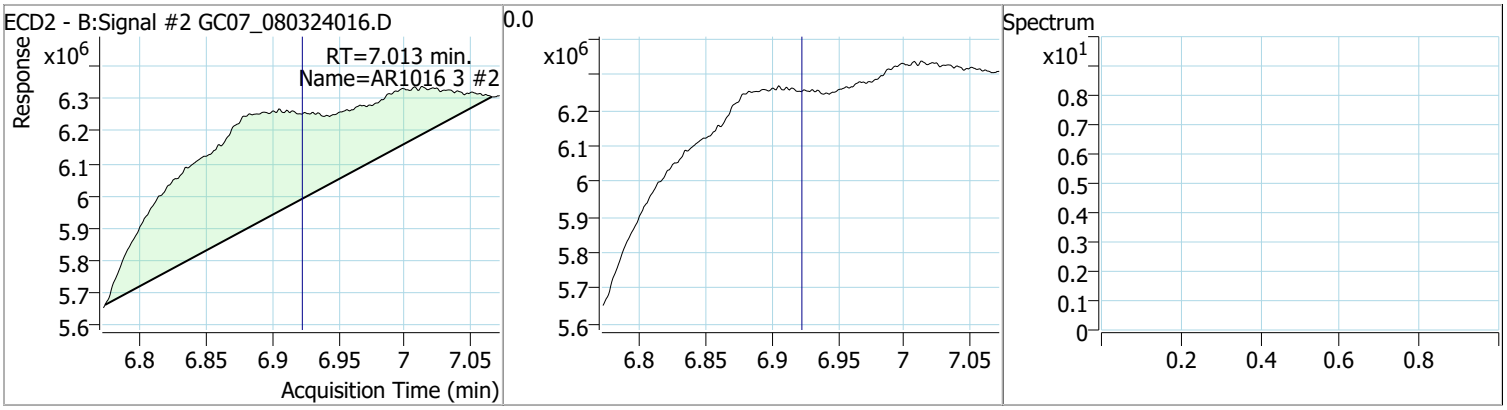
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.9643	6.34	-0.01	17272				



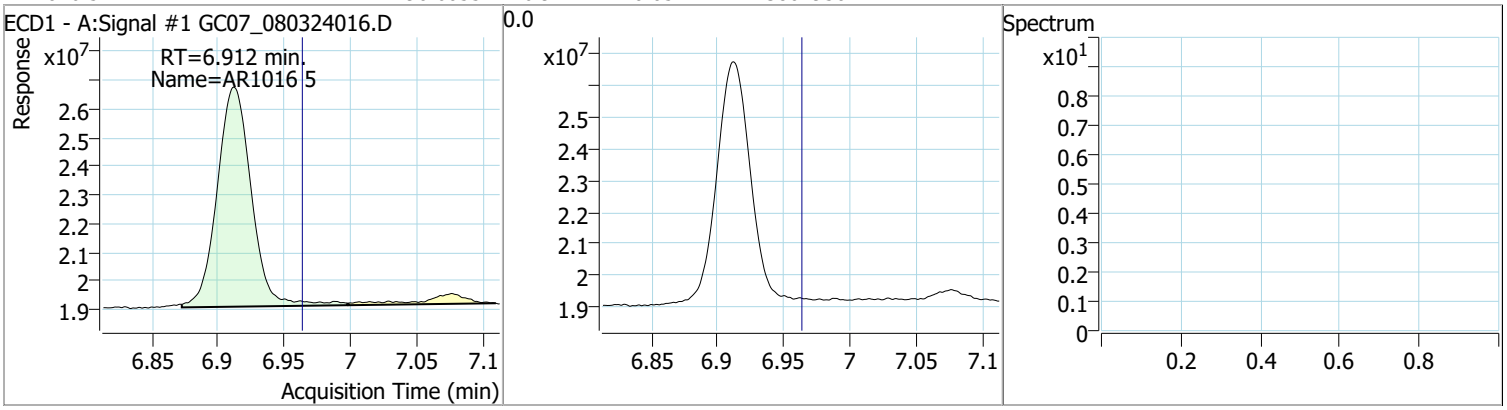
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	6.47		



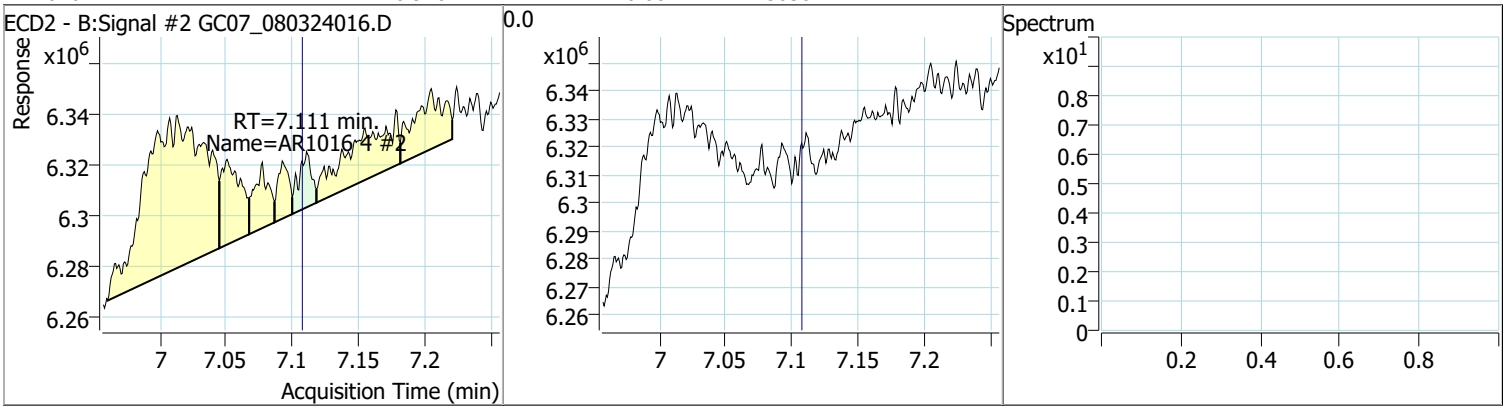
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	161.1578	7.01	0.09	3600030				



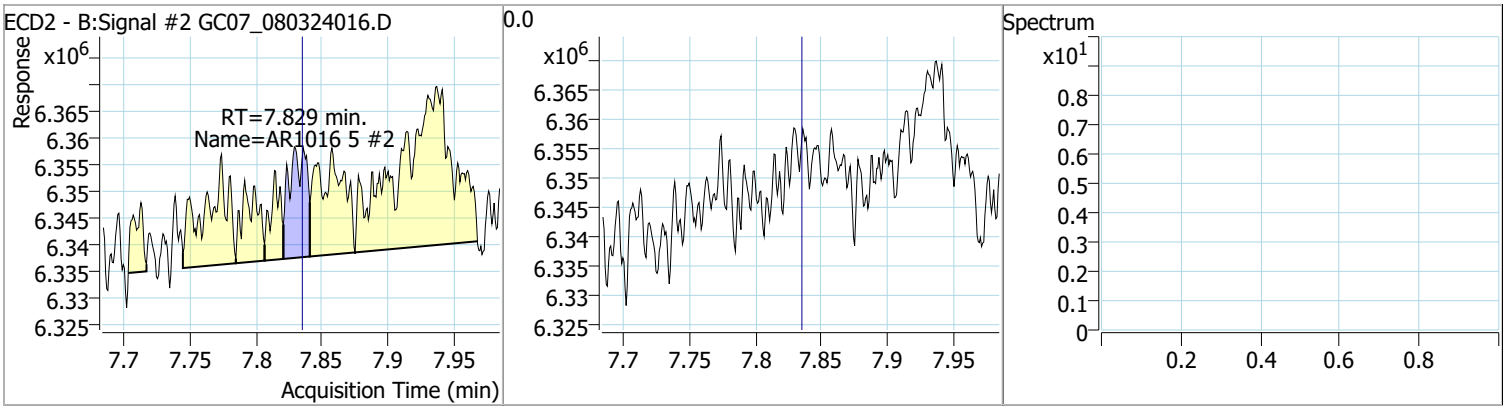
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	290.6055	6.91	-0.05	13807950				



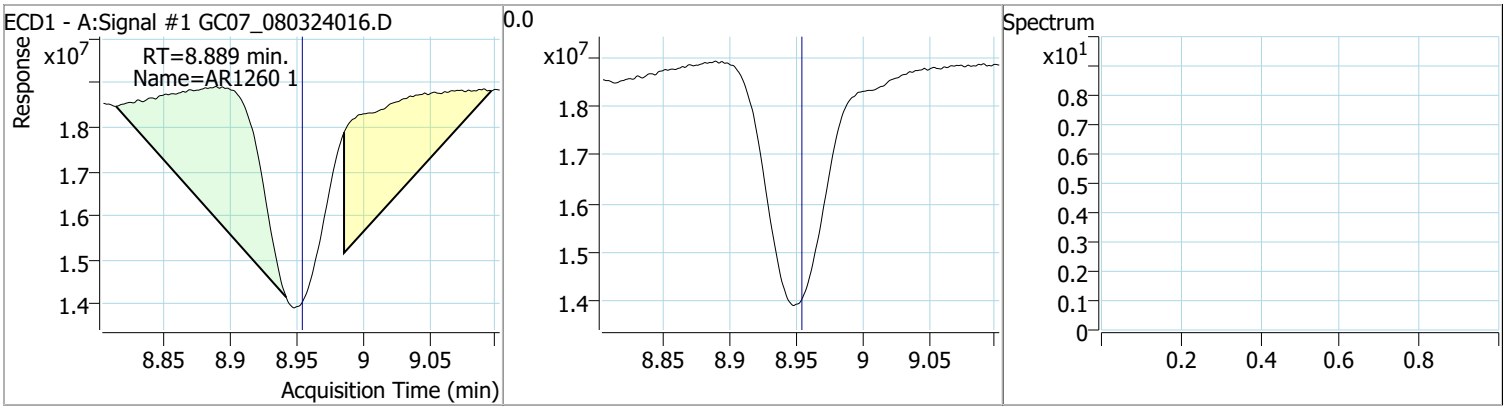
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AR1016 4 #2	0.9107	7.11	0.00	15038				



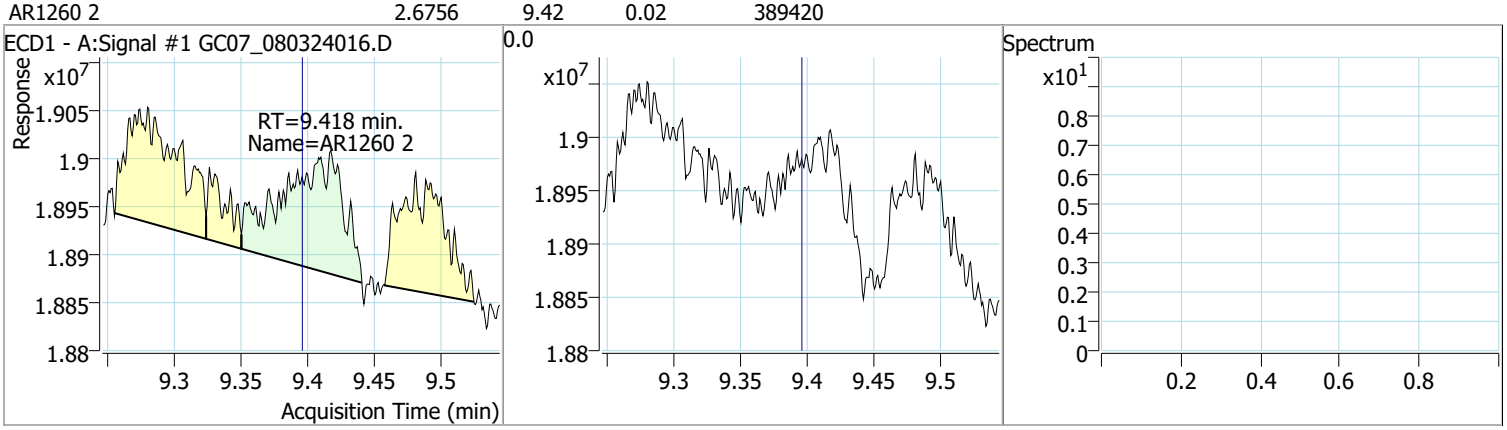
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.4478	7.83	-0.01	19337				



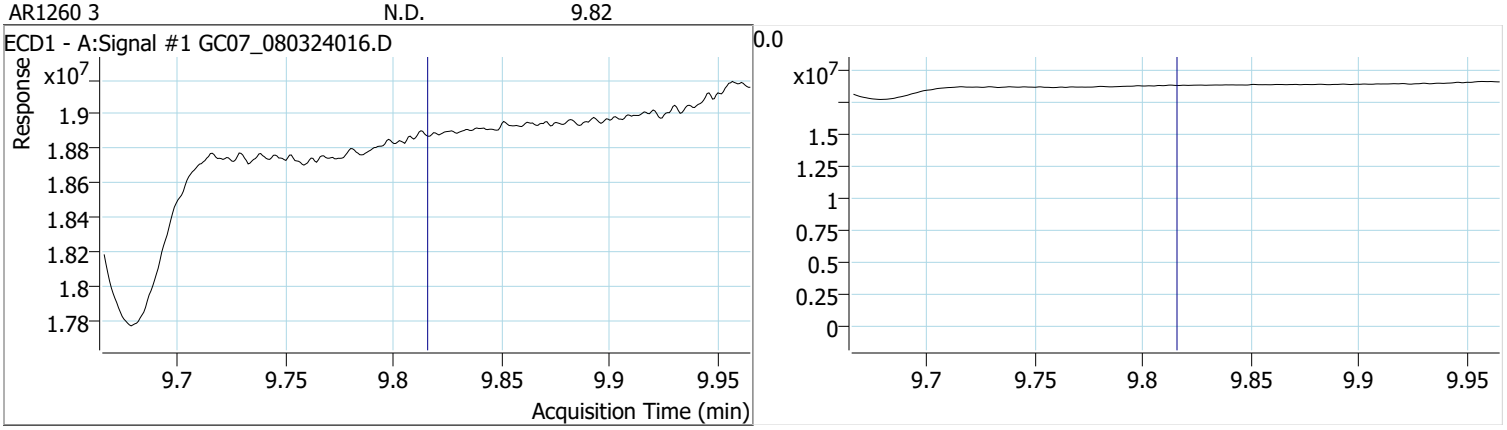
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	149.0074	8.89	-0.06	14199655				



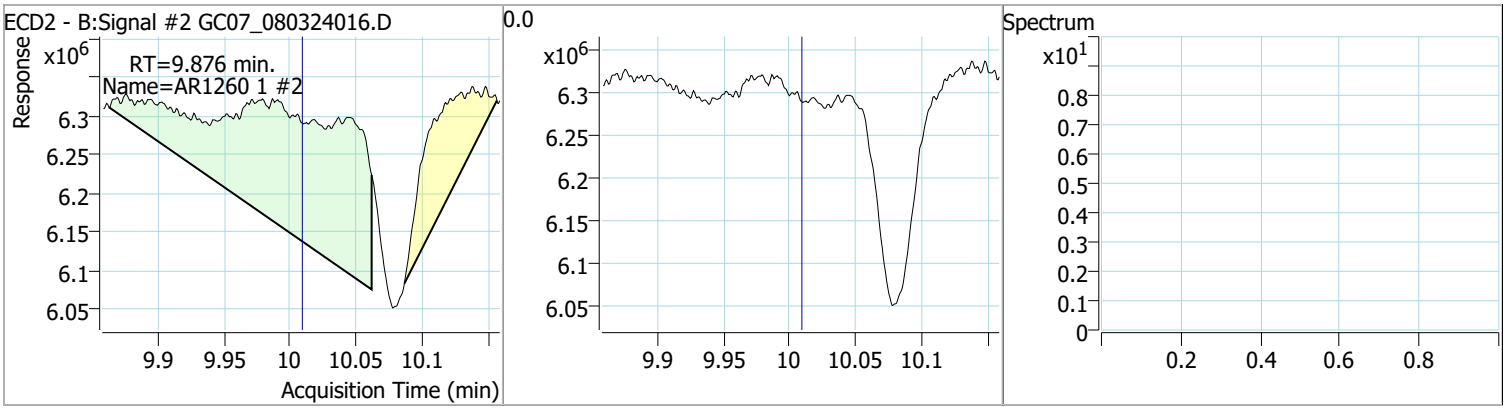
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.6756	9.42	0.02	389420				



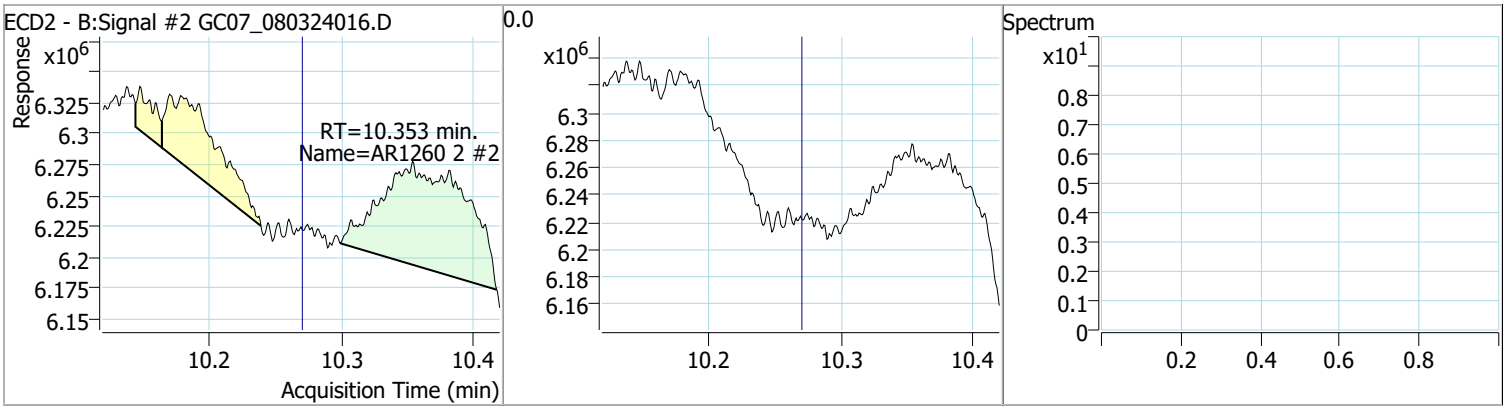
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.82		



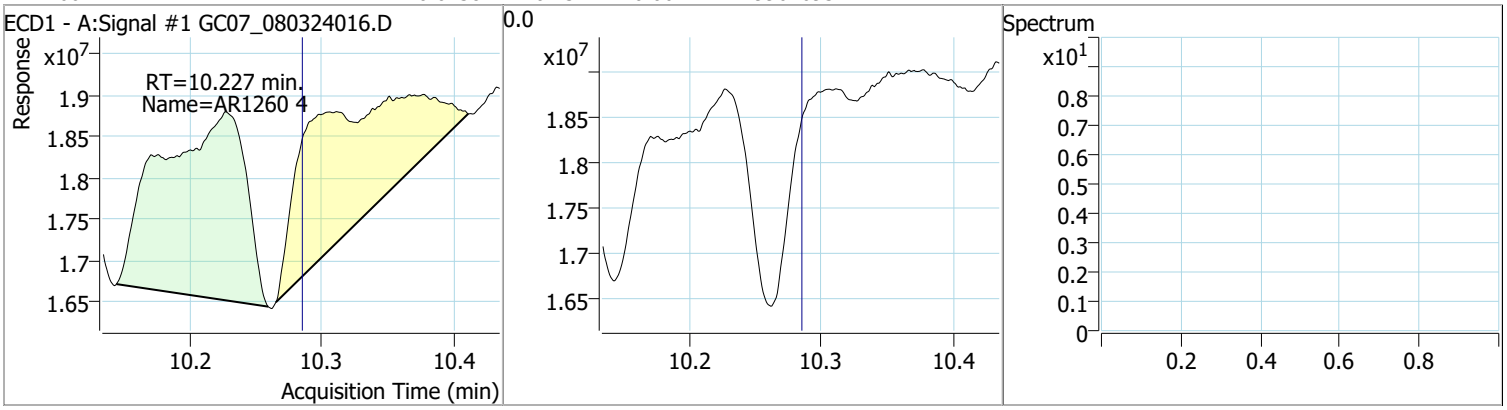
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	54.8645	9.88	-0.13	1303234				



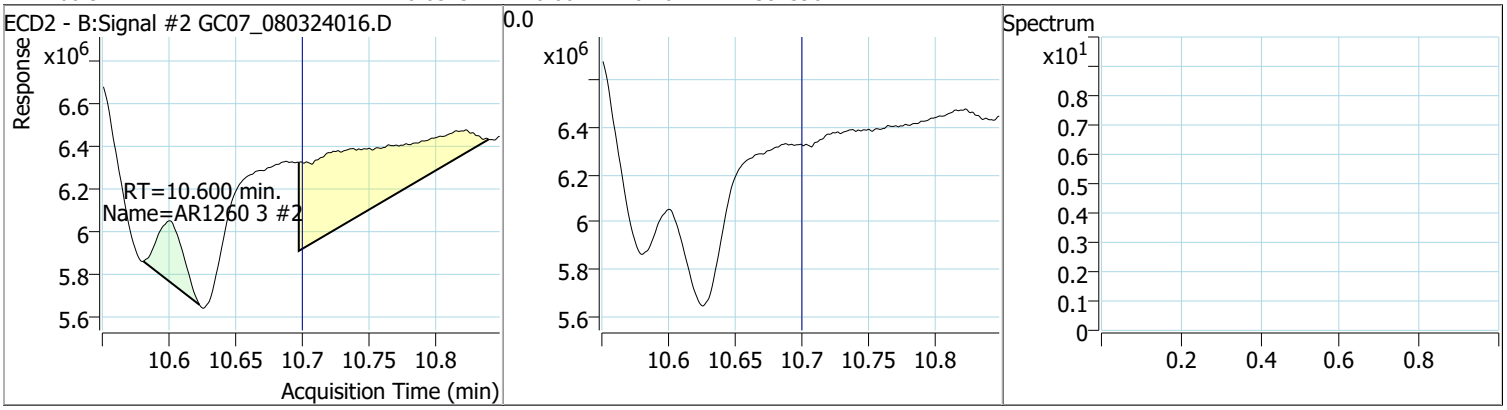
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.7499	10.35	0.08	380468				



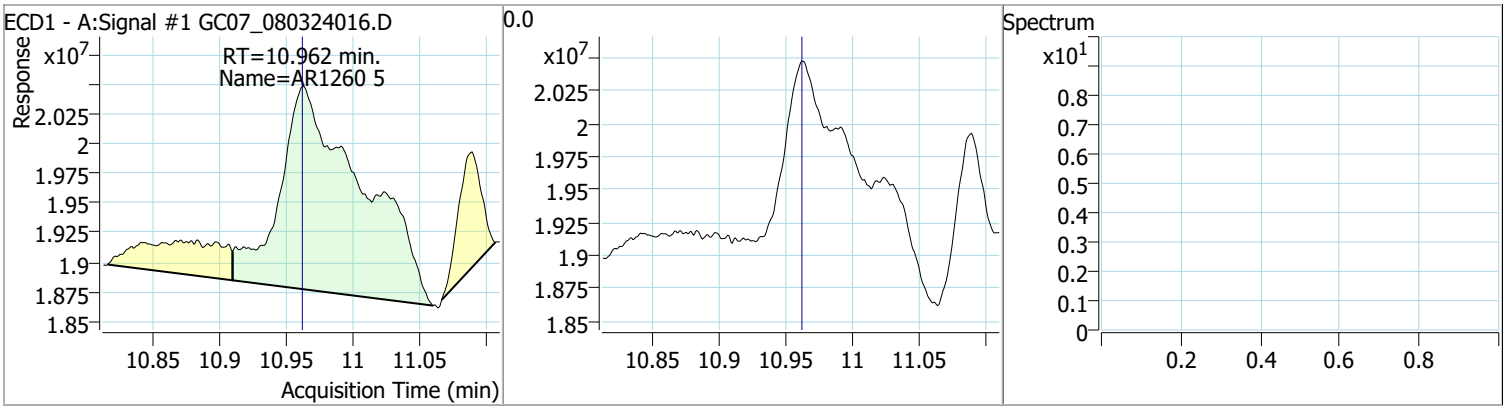
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	110.0438	10.23	-0.06	9962693				



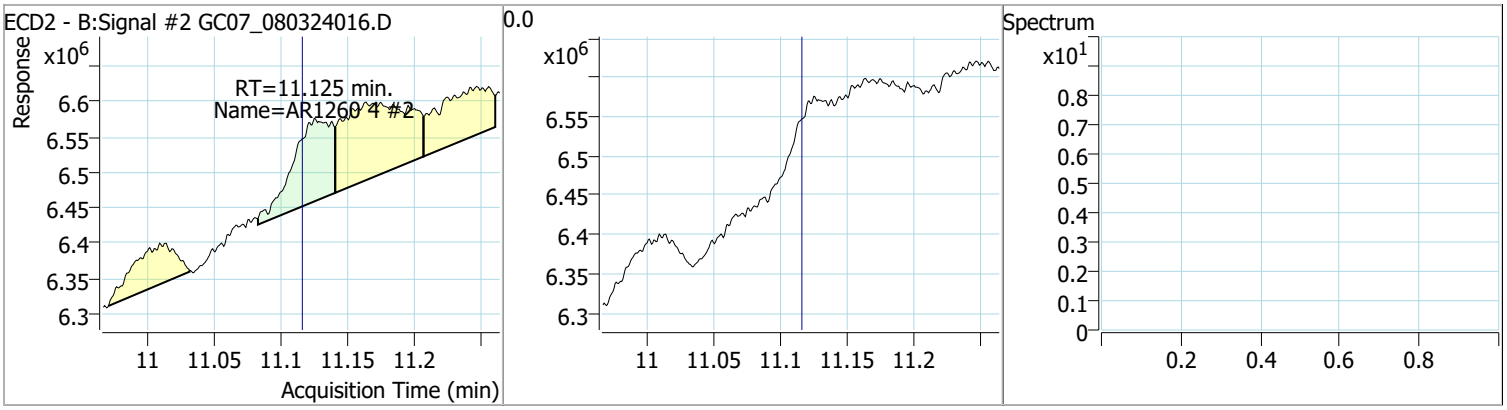
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.6513	10.60	-0.10	382590				



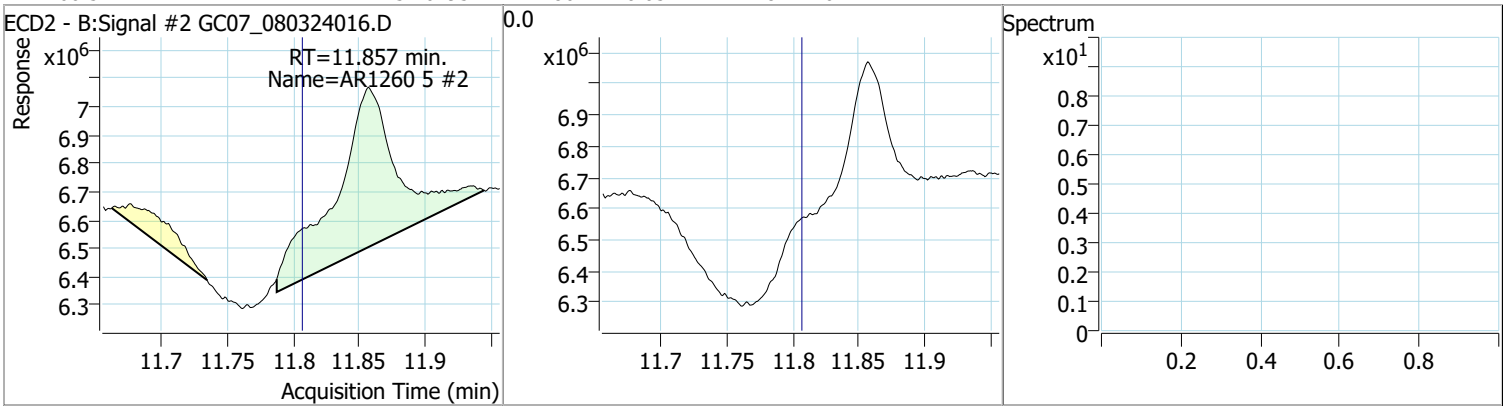
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	69.1301	10.96	0.00	7494453				



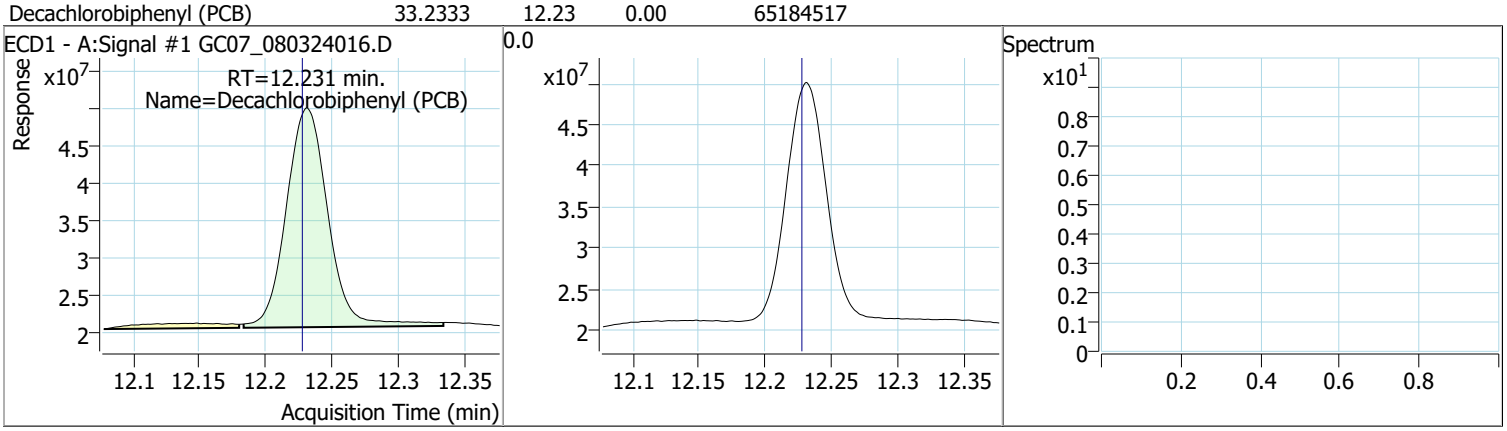
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.4972	11.13	0.01	238421				



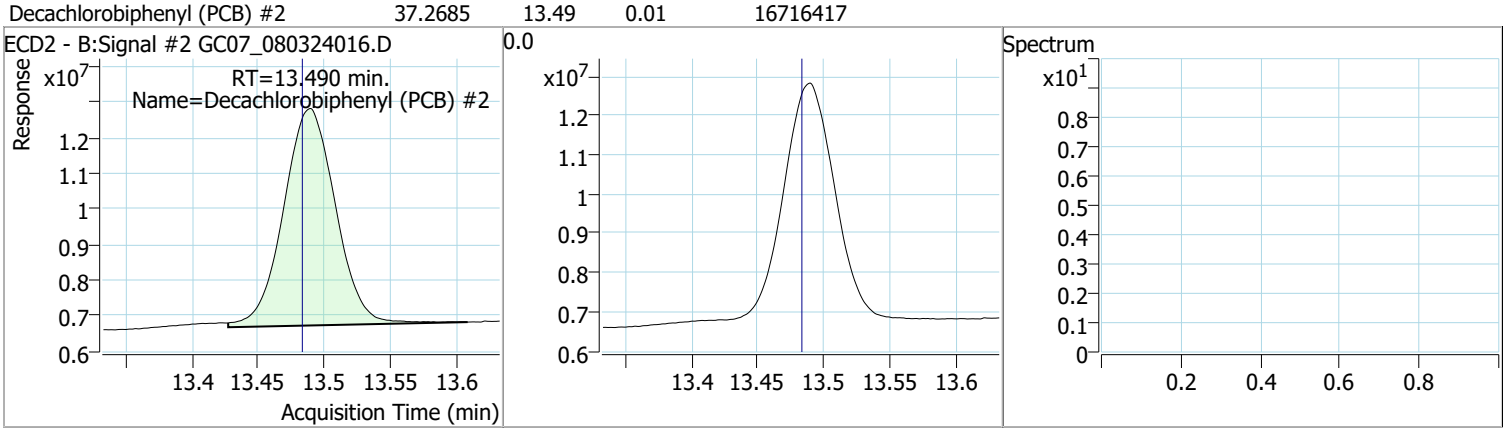
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	54.6495	11.86	0.05	1842720				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.2333	12.23	0.00	65184517				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.2685	13.49	0.01	16716417				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-006	Client ID:	DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA
Seqnum:	464311880017	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324017	Batch:	346727	Time:	03-AUG-2024 18:27
Cal:	464259633001	Caldate:	28-JUN-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	37.83	ug/L	ND	1.2	101%	0.50		u
Aroclor-1016 Peak # 1	B	40.86	ug/L	0.41	0.61	40%			
Aroclor-1016 Peak # 2	B	2.245	ug/L	0.02	0.15	148%			
Aroclor-1016 Peak # 3	B	141.3	ug/L	1.41	1.31	7%			
Aroclor-1016 Peak # 4	B	1.826	ug/L	0.02	0.95	192%			
Aroclor-1016 Peak # 5	B	2.924	ug/L	0.03	2.73	196%			
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	21.19	ug/L	ND	0.70	107%	0.50		u
Aroclor-1260 Peak # 1	B	16.22	ug/L	0.16	1.42	159%			
Aroclor-1260 Peak # 2	B	17.09	ug/L	0.17	0.02	152%			
Aroclor-1260 Peak # 3	B	10.28	ug/L	0.10	ND				
Aroclor-1260 Peak # 4	B	10.14	ug/L	0.10	1.12	167%			
Aroclor-1260 Peak # 5	B	52.22	ug/L	0.52	0.93	56%			
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	37.17	pg/uL	0.5000	0.3717	74	19-121	u
Decachlorobiphenyl (PCB)	B	35.43	pg/uL	0.5000	0.3543	71	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8275502	1.90
1-bromo-2-nitrobenzene (PCB)	A	35201723	35259719	0.16

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.33	0.01

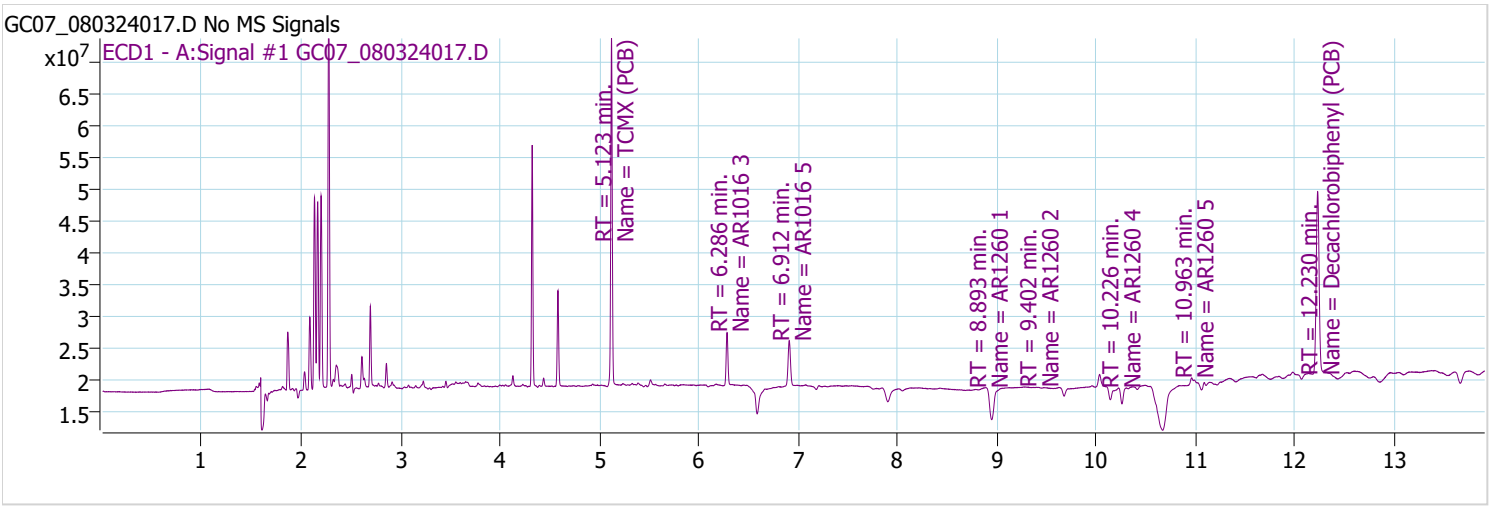
08/05/24 : SOIL/10G-10ML

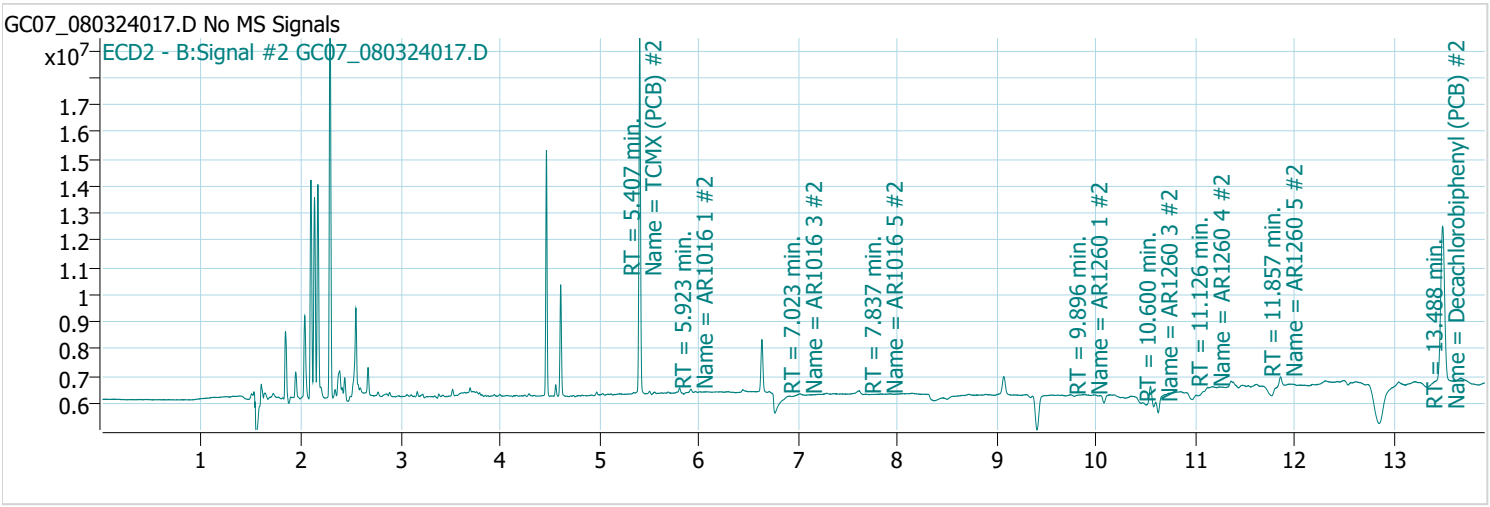
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324017.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 6:27:39 PM
Sample Name	513150-006, 346569, 1	Instrument	SVOA-GC07
Vial	7	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



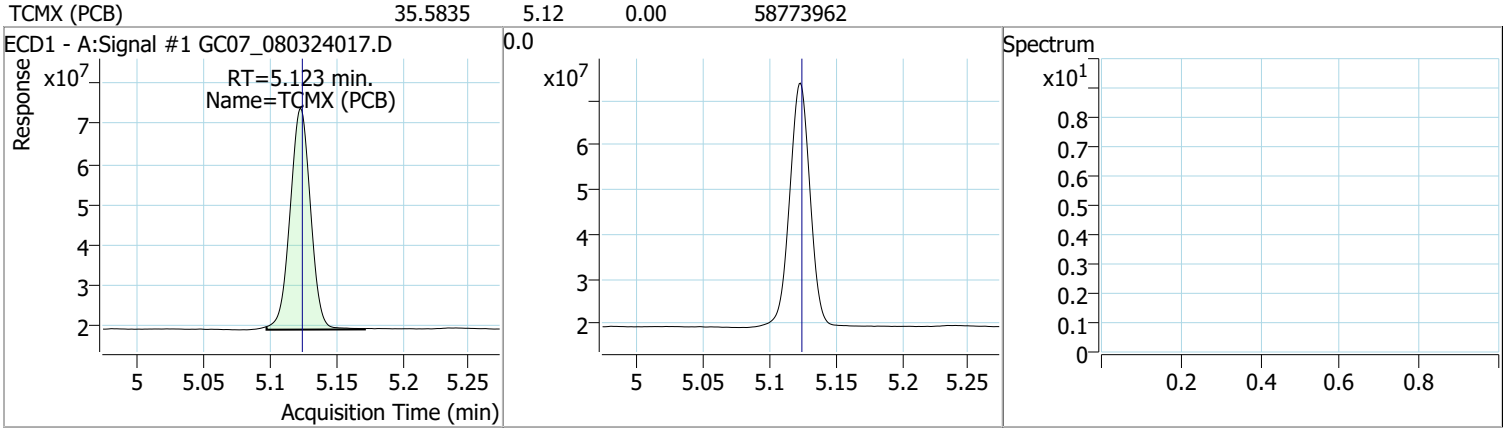


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	35259718.902	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8275501.881	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	58773962.220	35.5835	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.92%		*	
S TCMX (PCB) #2	5.407	0.0	14754676.919	37.1716	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.86%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	62741155.208	32.2739	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.37%		*	
S Decachlorobiphenyl (PCB) #2	13.488	0.0	16016720.046	35.4281	ng/ml		0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.14%		*	
Target Compounds							QValue

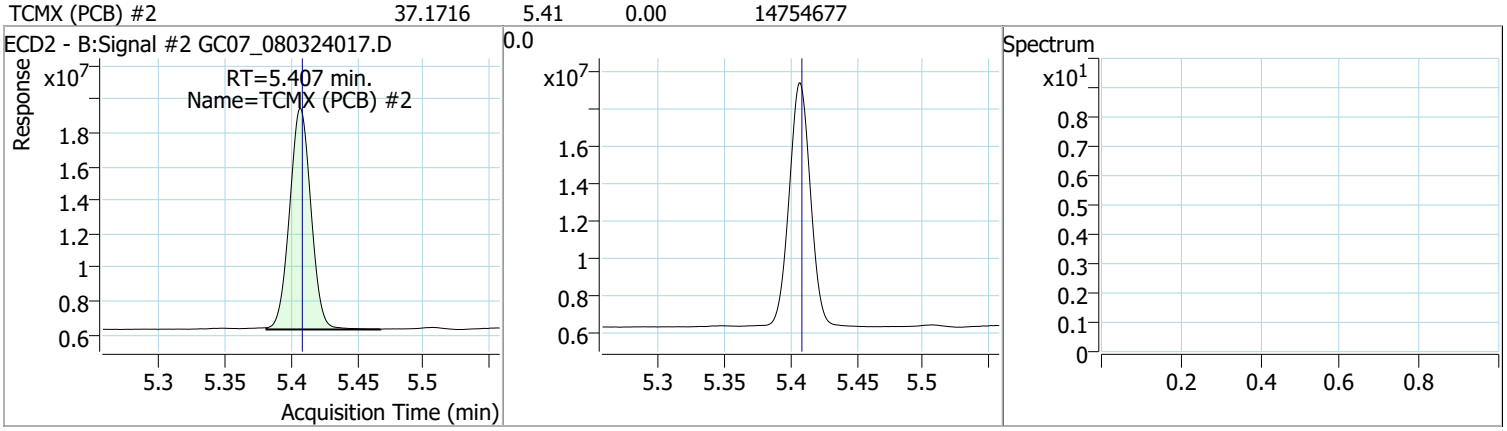
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.517	0.0	1895418.399	61.4989	ng/ml	100
T AR1016 2	5.848	0.0	964608.571	15.0657	ng/ml	100
T AR1016 1 #2	5.923	0.0	357041.570	40.8621	ng/ml	100
T AR1016 3	6.286	0.0	10960216.553	131.2155	ng/ml	100
T AR1016 2 #2	6.301	0.0	40523.663	2.2447	ng/ml	100
T AR1016 4	6.340	0.0	5080278.142	94.8252	ng/ml	100
T AR1016 3 #2	7.023	0.0	3181265.966	141.2930	ng/ml	100
T AR1016 5	6.912	0.0	12877569.002	273.4503	ng/ml	100
T AR1016 4 #2	7.121	0.0	30396.823	1.8263	ng/ml	100
T AR1016 5 #2	7.837	0.0	39365.974	2.9243	ng/ml	100
T AR1260 1	8.893	0.0	13431423.610	142.2074	ng/ml	100
T AR1260 2	9.402	0.0	334016.052	2.3155	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.896	0.0	388391.943	16.2224	ng/ml	100
T AR1260 2 #2	10.355	0.0	514074.268	17.0918	ng/ml	100
T AR1260 4	10.226	0.0	10062200.094	112.1377	ng/ml	100
T AR1260 3 #2	10.600	0.0	372029.238	10.2760	ng/ml	100
T AR1260 5	10.963	0.0	10022933.869	93.2807	ng/ml	100
T AR1260 4 #2	11.126	0.0	232115.849	10.1393	ng/ml	100
T AR1260 5 #2	11.857	0.0	1774695.281	52.2187	ng/ml	100

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

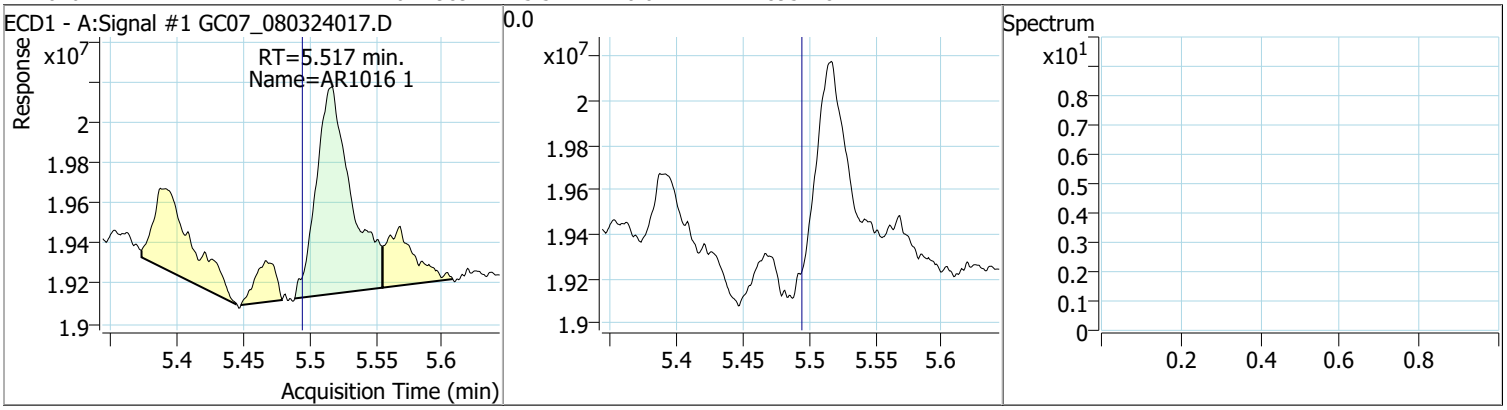
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.5835	5.12	0.00	58773962				



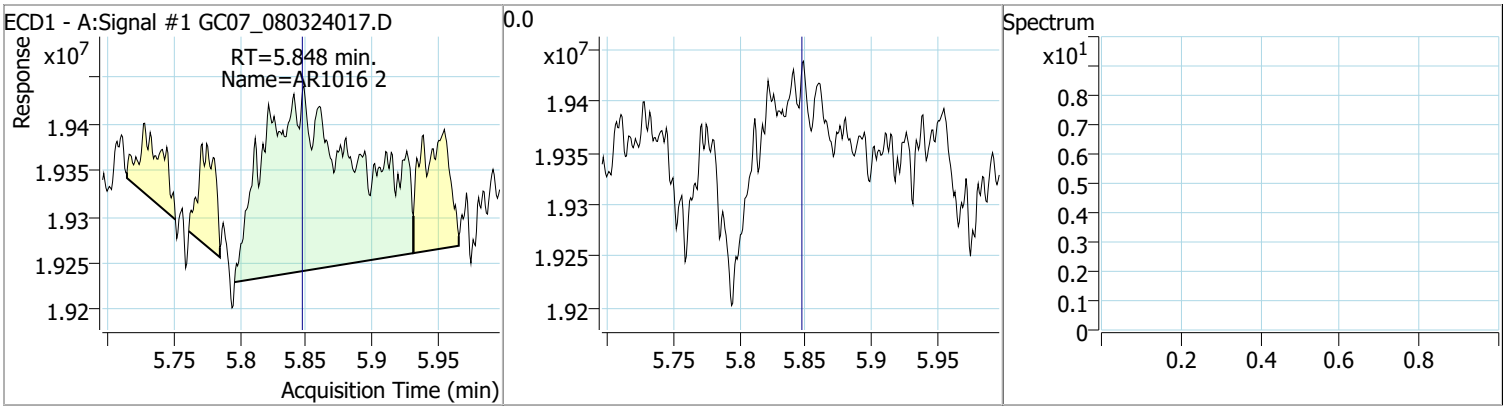
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TCMX (PCB) #2	37.1716	5.41	0.00	14754677				



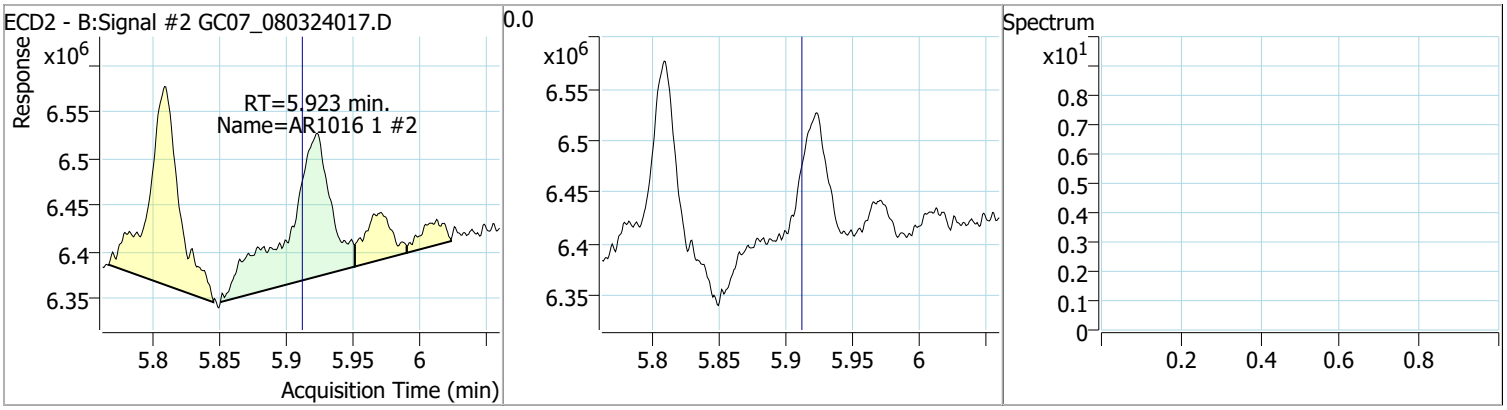
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	61.4989	5.52	0.02	1895418				



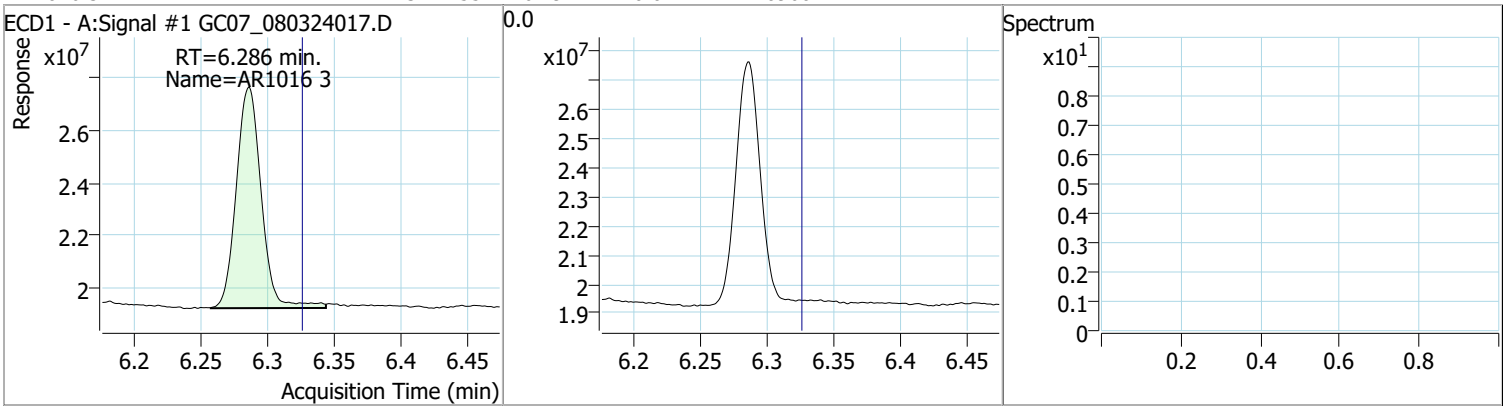
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	15.0657	5.85	0.00	964609				



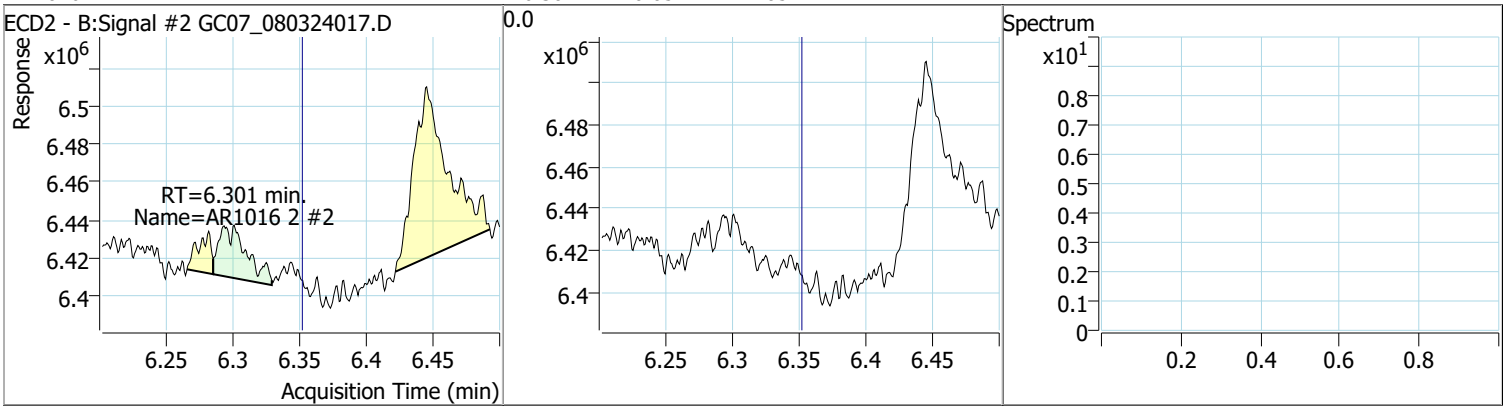
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	40.8621	5.92	0.01	357042				



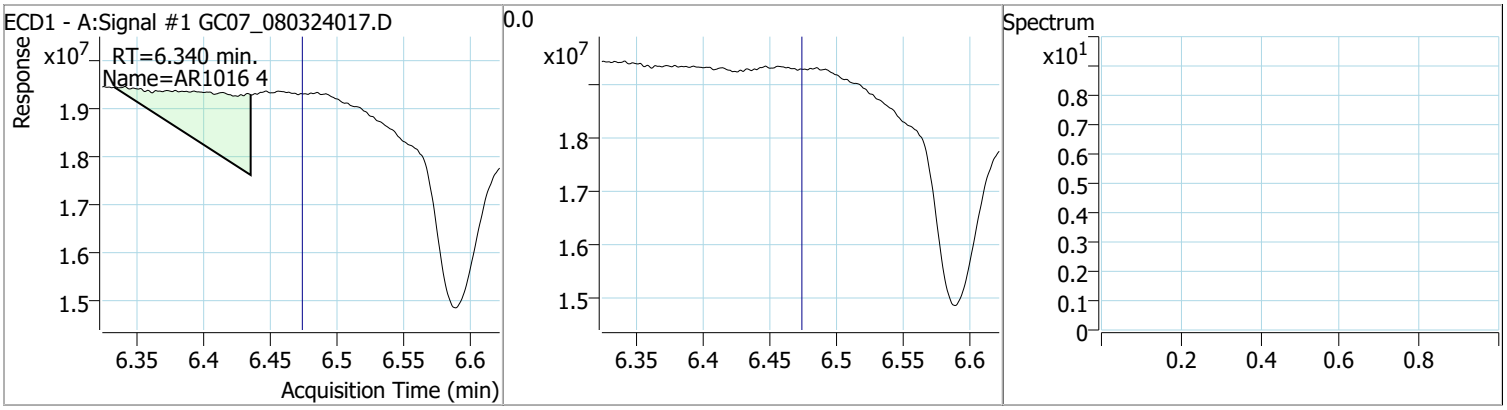
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	131.2155	6.29	-0.04	10960217				



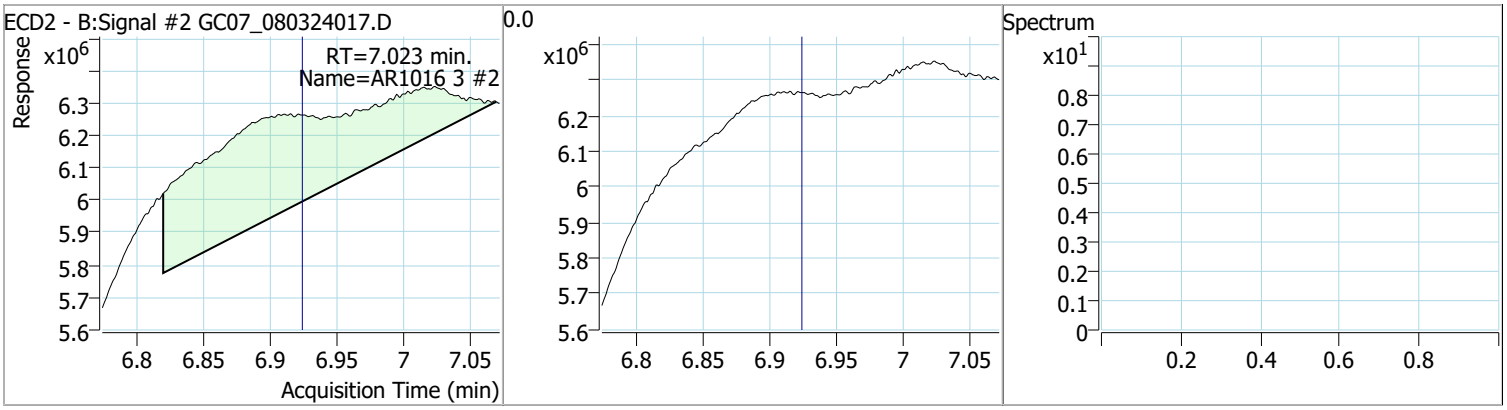
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.2447	6.30	-0.05	40524				



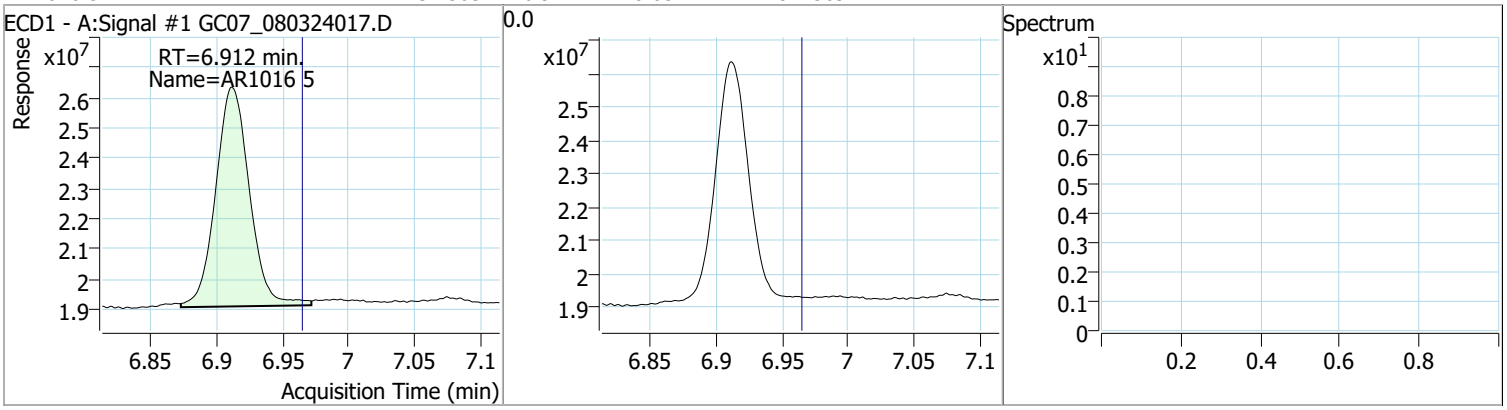
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	94.8252	6.34	-0.13	5080278				



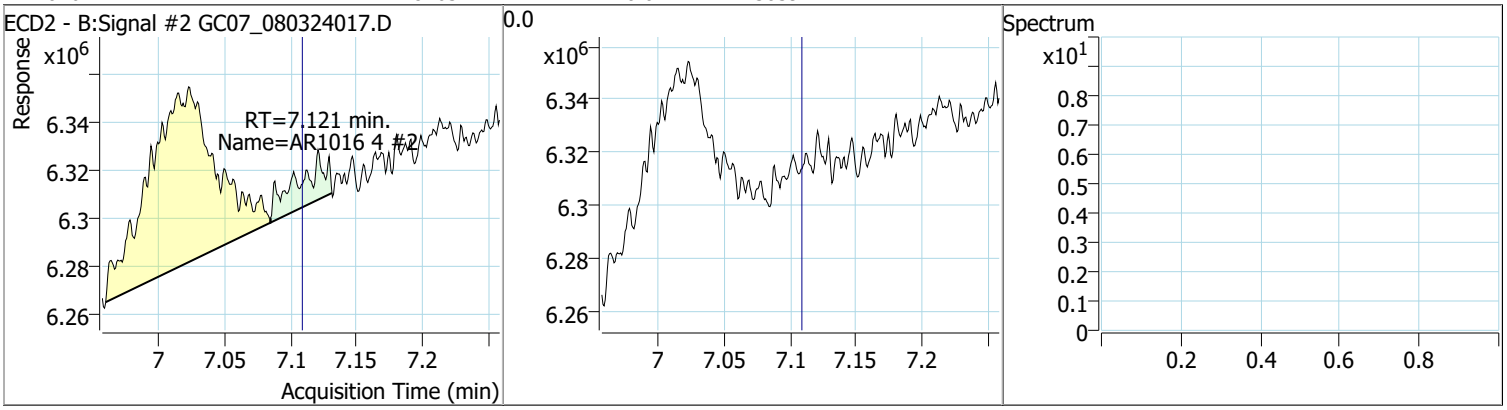
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AR1016 3 #2	141.2930	7.02	0.10	3181266				



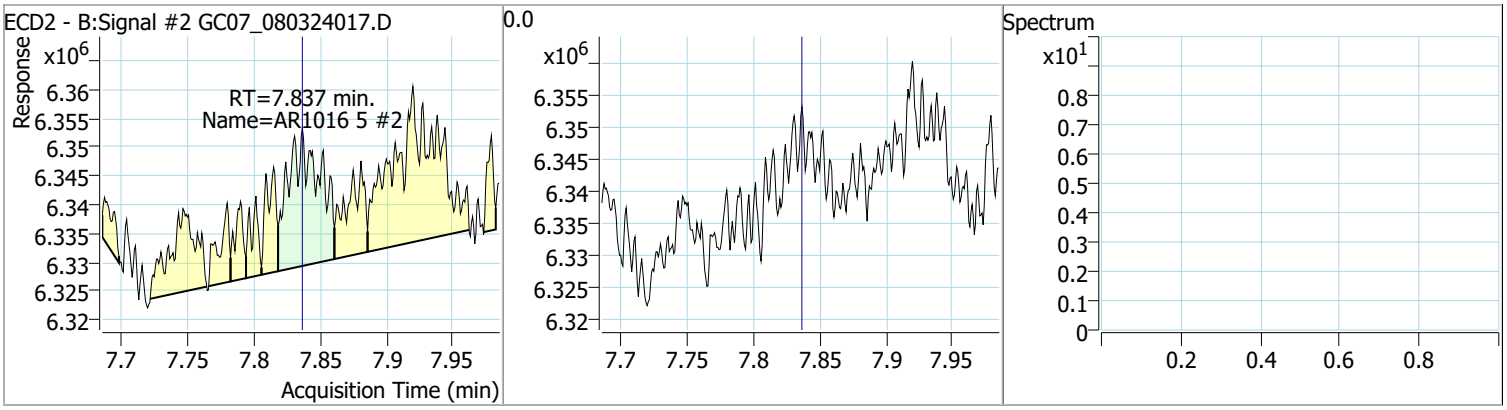
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	273.4503	6.91	-0.05	12877569				



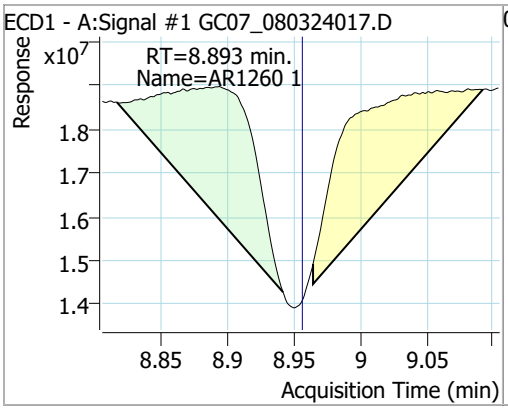
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.8263	7.12	0.01	30397				

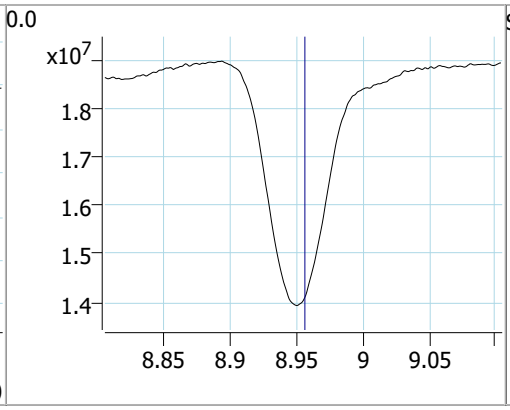


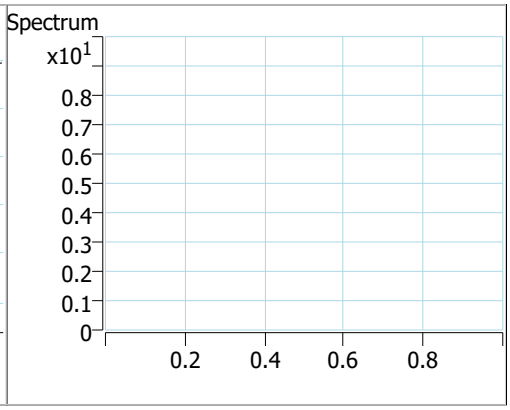
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.9243	7.84	0.00	39366				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	142.2074	8.89	-0.06	13431424				

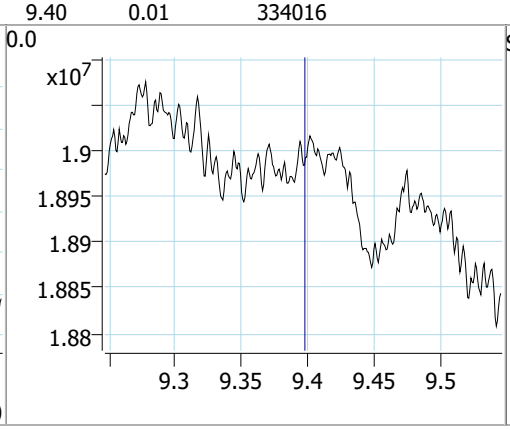


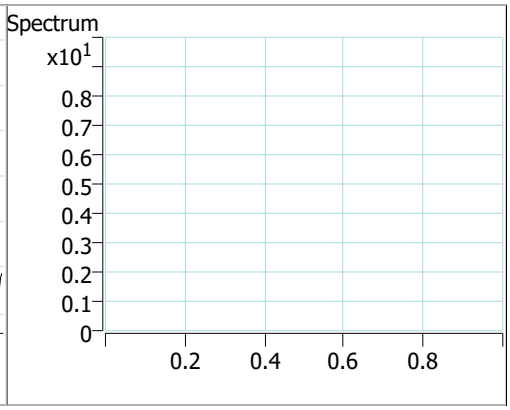




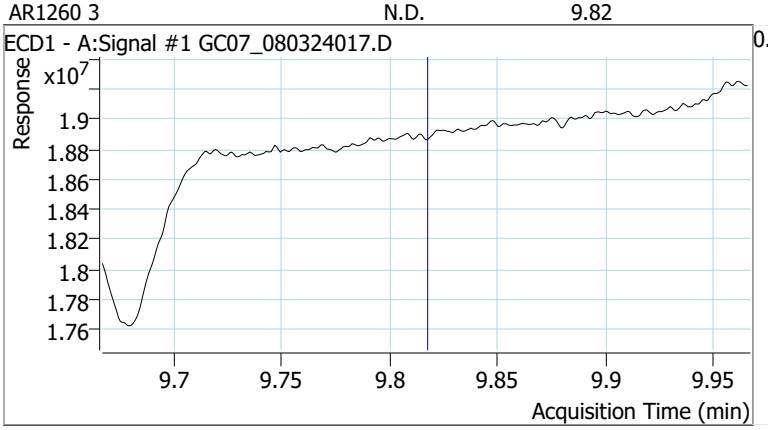
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.3155	9.40	0.01	334016				

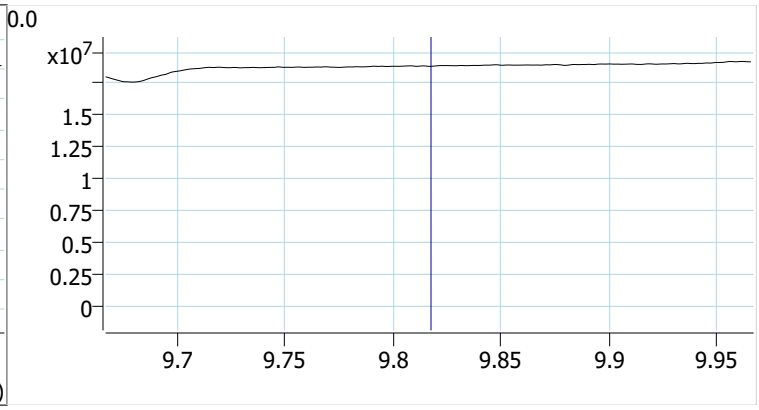




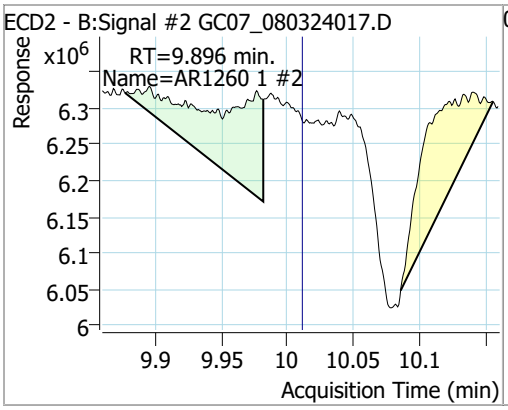


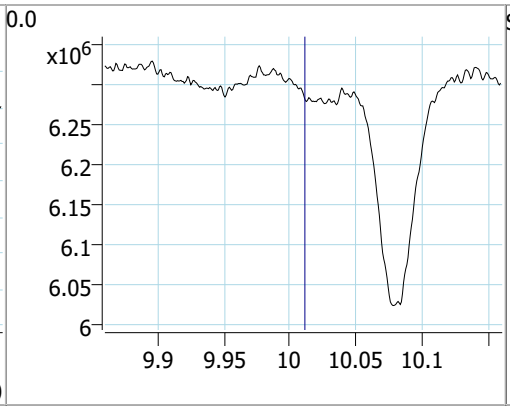
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.82		

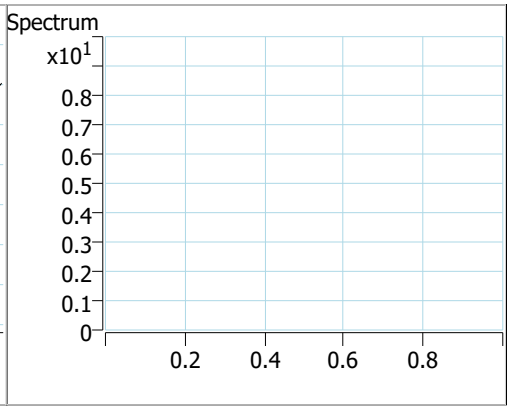




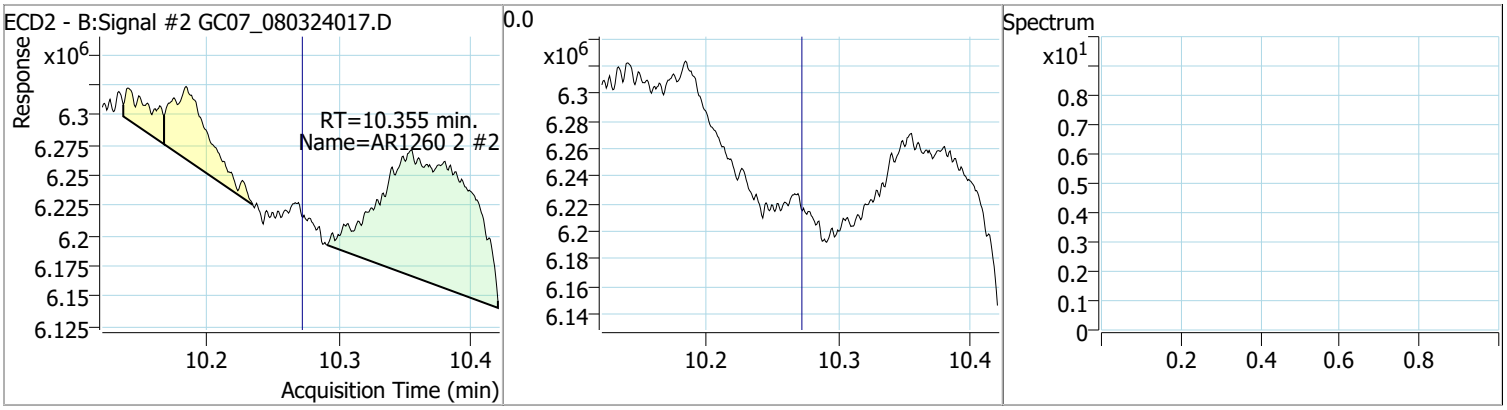
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	16.2224	9.90	-0.11	388392				



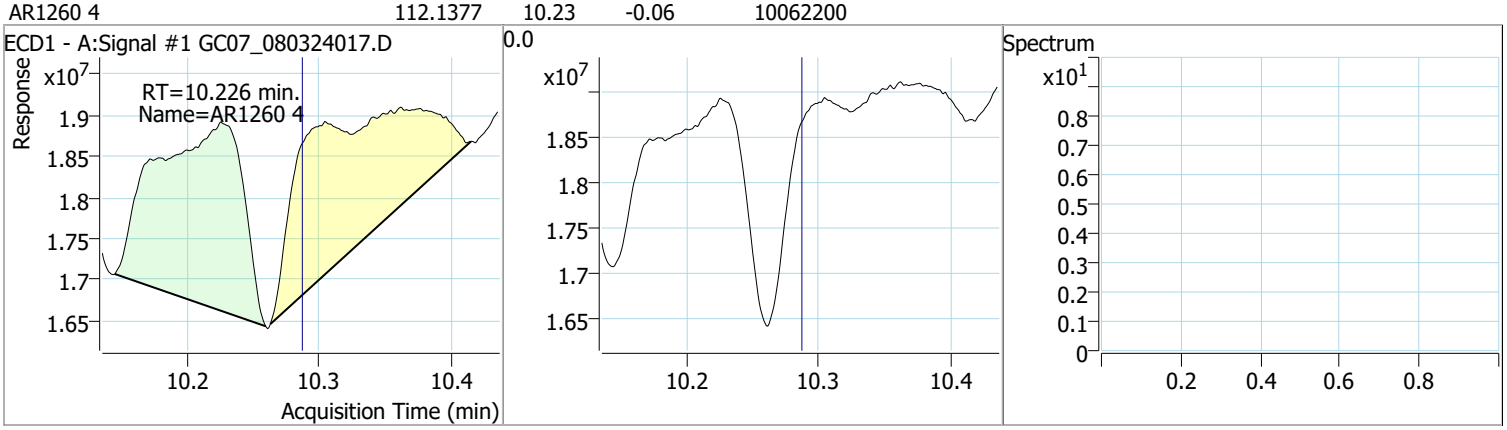




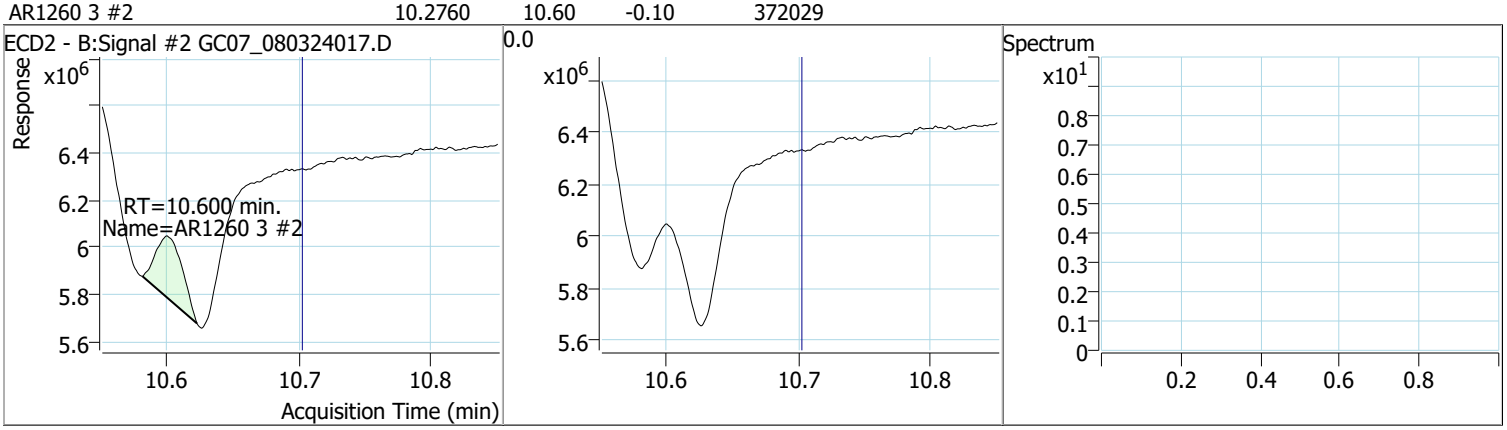
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	17.0918	10.36	0.09	514074				



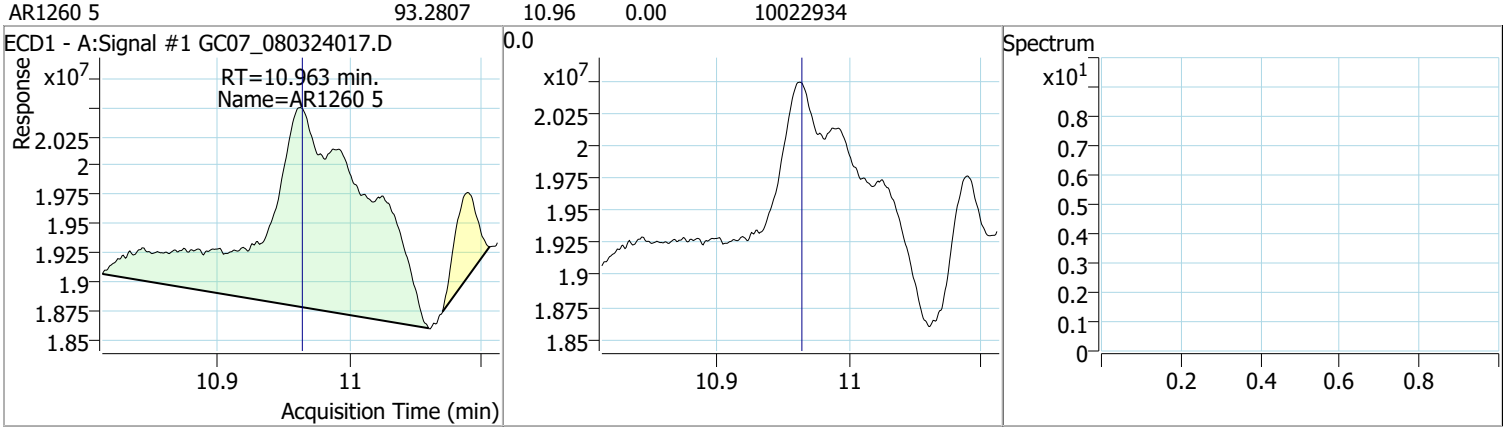
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	112.1377	10.23	-0.06	10062200				



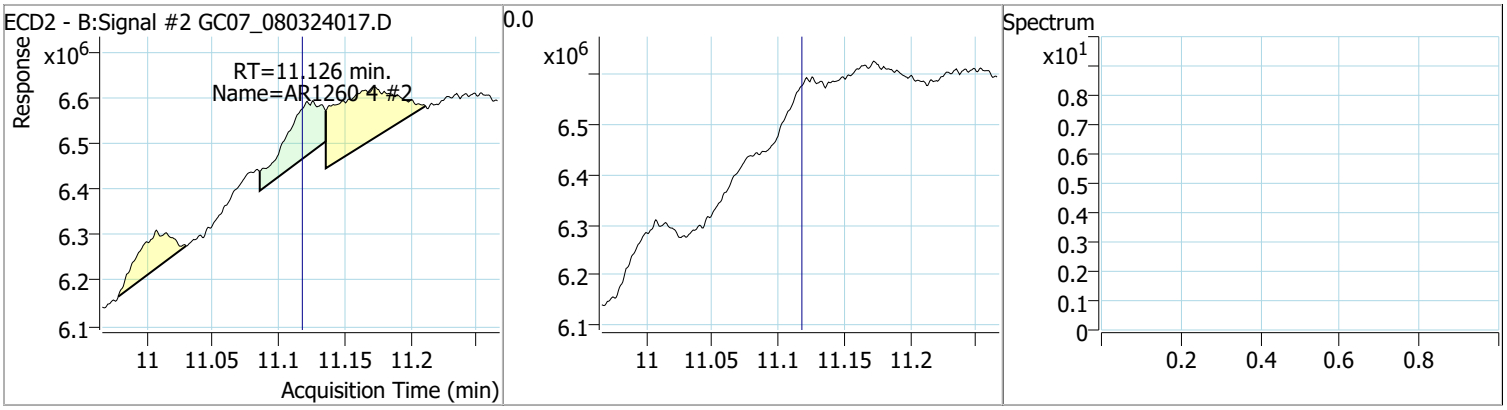
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.2760	10.60	-0.10	372029				



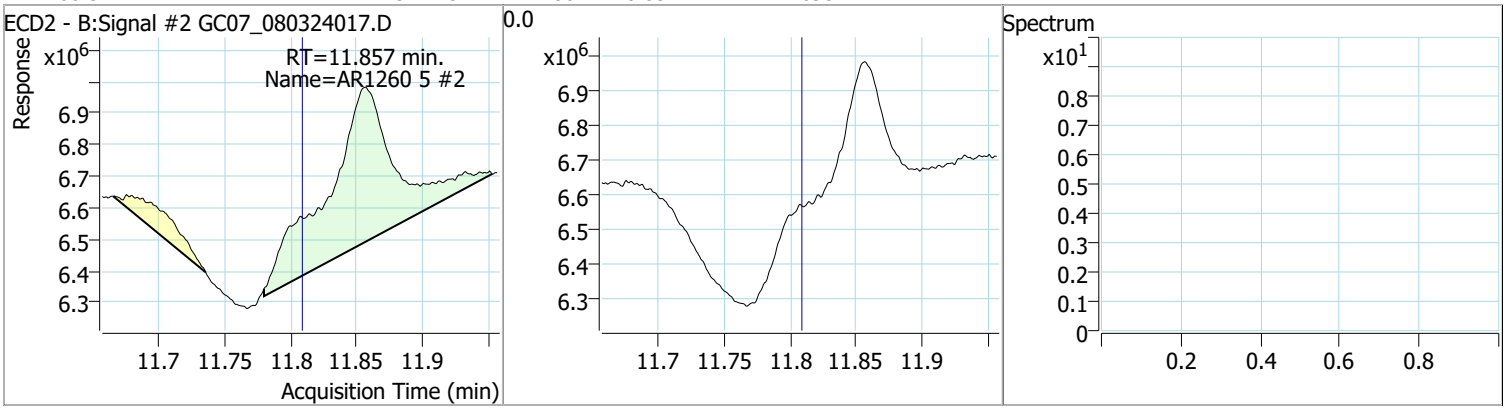
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	93.2807	10.96	0.00	10022934				



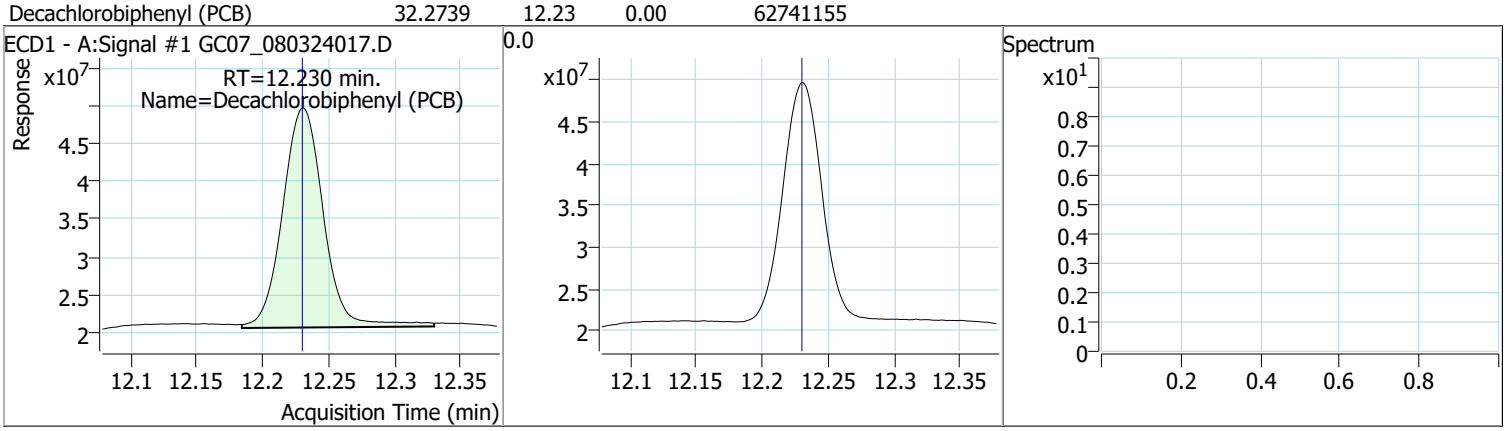
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.1393	11.13	0.01	232116				



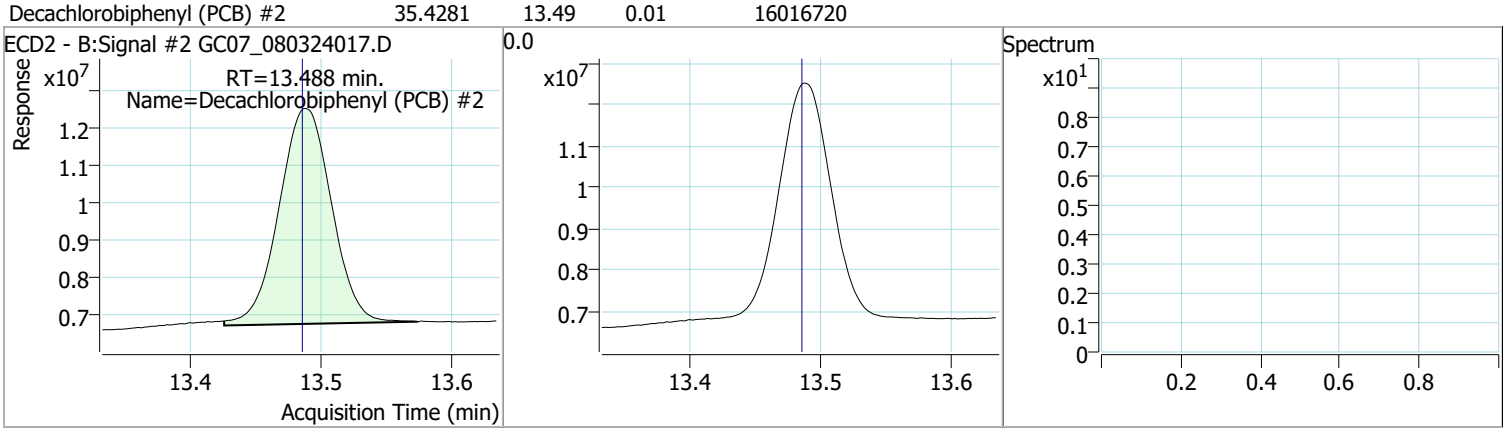
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.2187	11.86	0.05	1774695				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.2739	12.23	0.00	62741155				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.4281	13.49	0.01	16016720				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-008	Client ID:	DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA
Seqnum:	464311880018	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324018	Batch:	346727	Time:	03-AUG-2024 18:45
Cal:	464259633001	Caldate:	28-JUN-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	46.46	ug/L	ND	2.4	134%	0.50		u
Aroclor-1016 Peak # 1	B	27.75	ug/L	0.28	0.43	43%			
Aroclor-1016 Peak # 2	B	0.8467	ug/L	0.01	0.05	145%			
Aroclor-1016 Peak # 3	B	199.8	ug/L	2.00	2.06	3%			
Aroclor-1016 Peak # 4	B	0.6699	ug/L	0.01	6.20	200%			
Aroclor-1016 Peak # 5	B	3.167	ug/L	0.03	3.03	196%			
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	29.41	ug/L	ND	0.99	108%	0.50		u
Aroclor-1260 Peak # 1	B	64.66	ug/L	0.65	1.62	86%			
Aroclor-1260 Peak # 2	B	12.99	ug/L	0.13	0.03	119%			
Aroclor-1260 Peak # 3	B	12.07	ug/L	0.12	1.41	168%			
Aroclor-1260 Peak # 4	B	5.496	ug/L	0.05	1.36	184%			
Aroclor-1260 Peak # 5	B	51.81	ug/L	0.52	0.53	2%			
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	42.34	pg/uL	0.5000	0.4234	85	19-121	u
Decachlorobiphenyl (PCB)	B	41.40	pg/uL	0.5000	0.4140	83	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8418688	3.66
1-bromo-2-nitrobenzene (PCB)	A	35201723	35800713	1.70

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

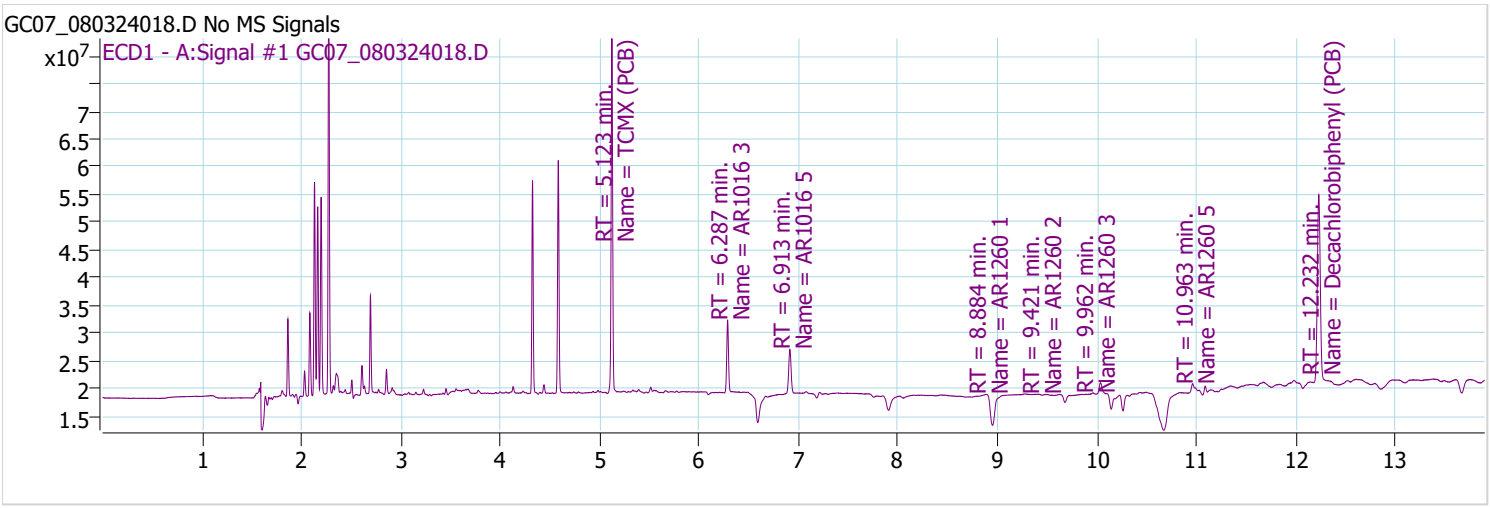
08/05/24 : SOIL/10G-10ML

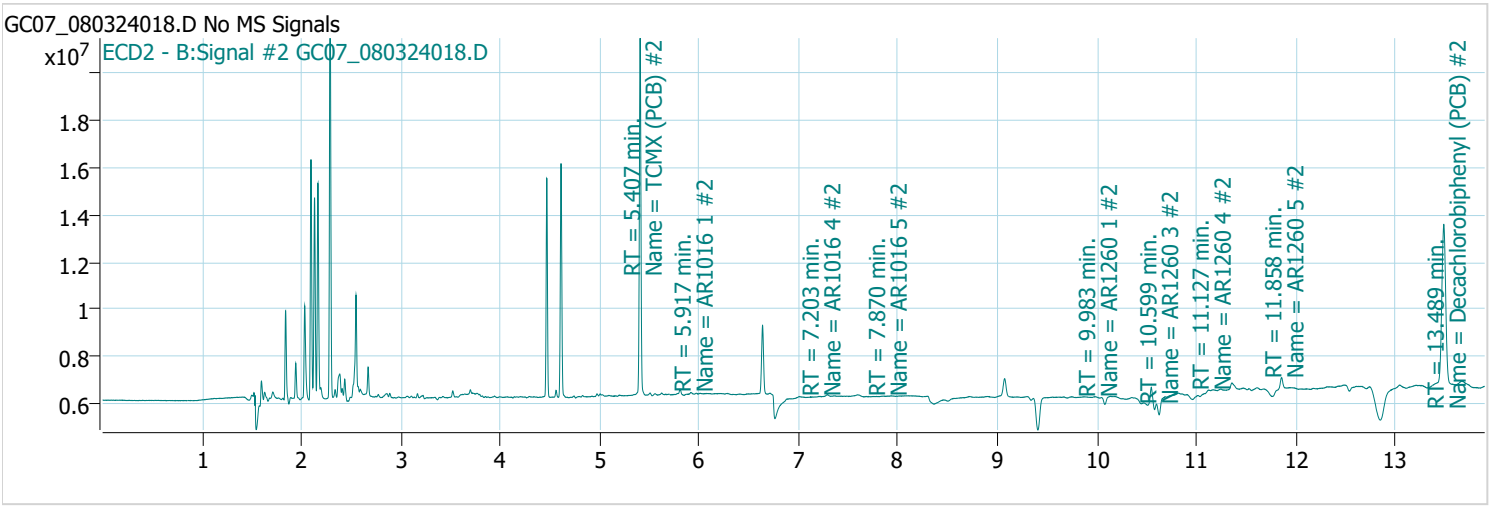
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324018.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 6:45:12 PM
Sample Name	513150-008, 346569, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



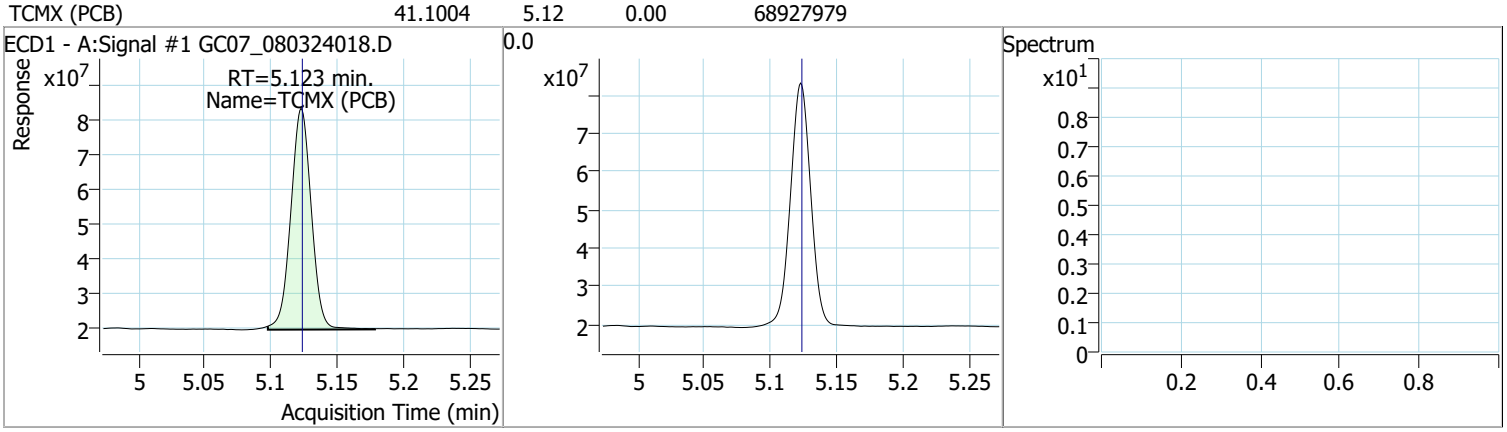


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	35800712.931	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8418688.085	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	68927979.001	41.1004	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.50%		*	
S TCMX (PCB) #2	5.407	0.0	17096136.699	42.3379	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.69%		*	
S Decachlorobiphenyl (PCB)	12.232	0.0	75442489.070	38.2210	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.11%		*	
S Decachlorobiphenyl (PCB) #2	13.489	0.0	19041137.390	41.4015	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.01%		*	
Target Compounds							QValue

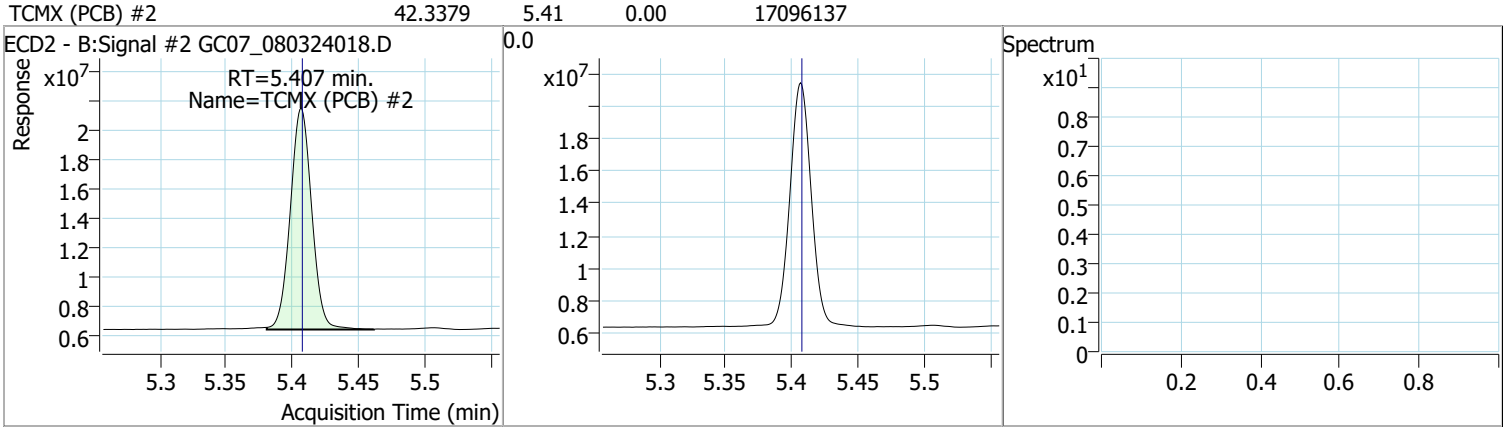
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.514	0.0	1349209.221	43.1151	ng/ml	100
T AR1016 2	5.841	0.0	343474.375	5.2835	ng/ml	100
T AR1016 1 #2	5.917	0.0	246702.284	27.7540	ng/ml	100
T AR1016 3	6.287	0.0	16640948.529	206.4037	ng/ml	100
T AR1016 2 #2	6.339	0.0	15548.827	0.8467	ng/ml	100
T AR1016 4	6.340	0.0	33736286.251	620.1841	ng/ml	100
T AR1016 3 #2	7.007	0.0	4577278.613	199.8380	ng/ml	100
T AR1016 5	6.913	0.0	14482679.521	302.8870	ng/ml	100
T AR1016 4 #2	7.203	0.0	11343.042	0.6699	ng/ml	100
T AR1016 5 #2	7.870	0.0	43363.864	3.1665	ng/ml	100
T AR1260 1	8.884	0.0	15489303.249	161.5173	ng/ml	100
T AR1260 2	9.421	0.0	482028.749	3.2911	ng/ml	100
T AR1260 3	9.962	0.0	22164273.083	140.6463	ng/ml	100
T AR1260 1 #2	9.983	0.0	1574974.447	64.6648	ng/ml	100
T AR1260 2 #2	10.353	0.0	397403.679	12.9881	ng/ml	100
T AR1260 4	10.228	0.0	12353414.125	135.5916	ng/ml	100
T AR1260 3 #2	10.599	0.0	444501.663	12.0689	ng/ml	100
T AR1260 5	10.963	0.0	5784721.153	53.0233	ng/ml	100
T AR1260 4 #2	11.127	0.0	127983.255	5.4955	ng/ml	100
T AR1260 5 #2	11.858	0.0	1791366.366	51.8127	ng/ml	100

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

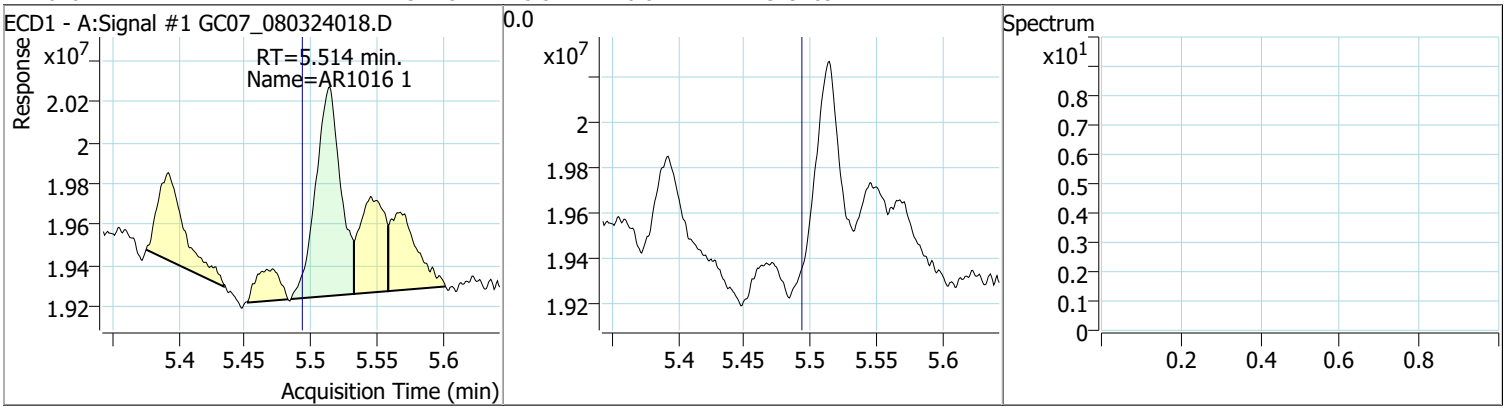
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.1004	5.12	0.00	68927979				



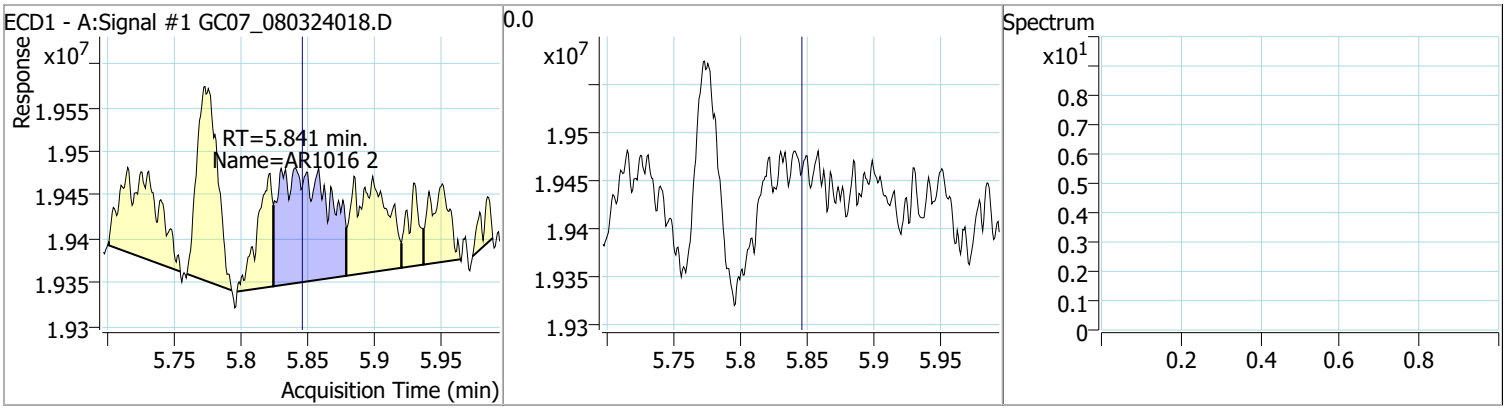
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.3379	5.41	0.00	17096137				



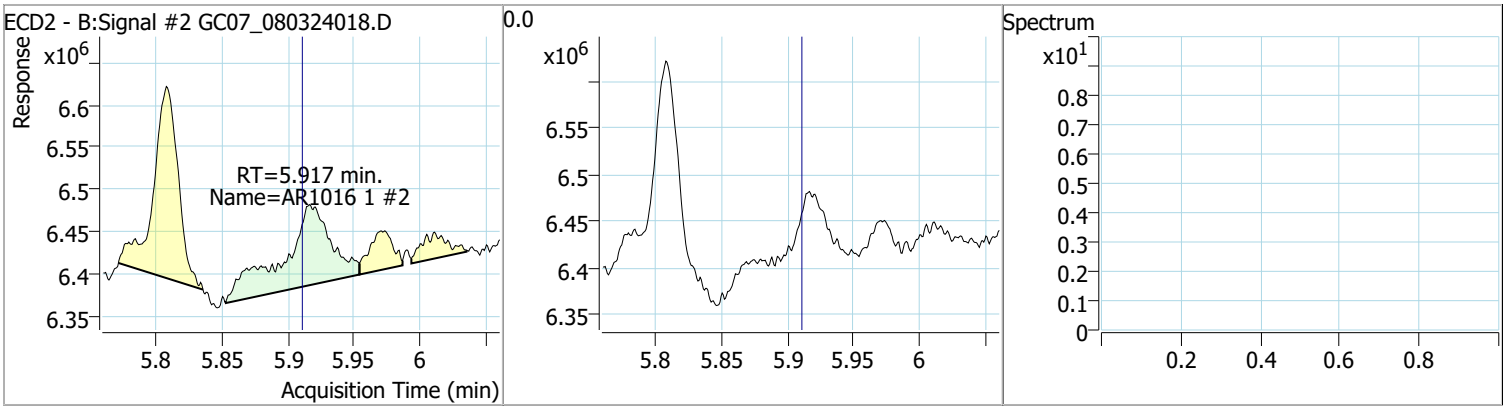
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	43.1151	5.51	0.02	1349209				



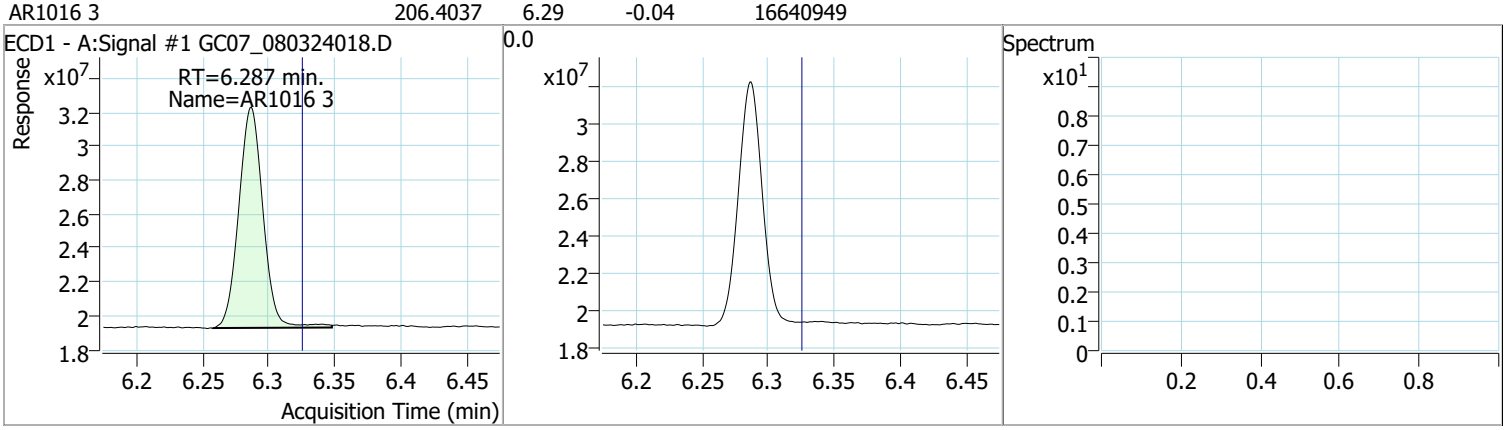
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.2835	5.84	0.00	343474				



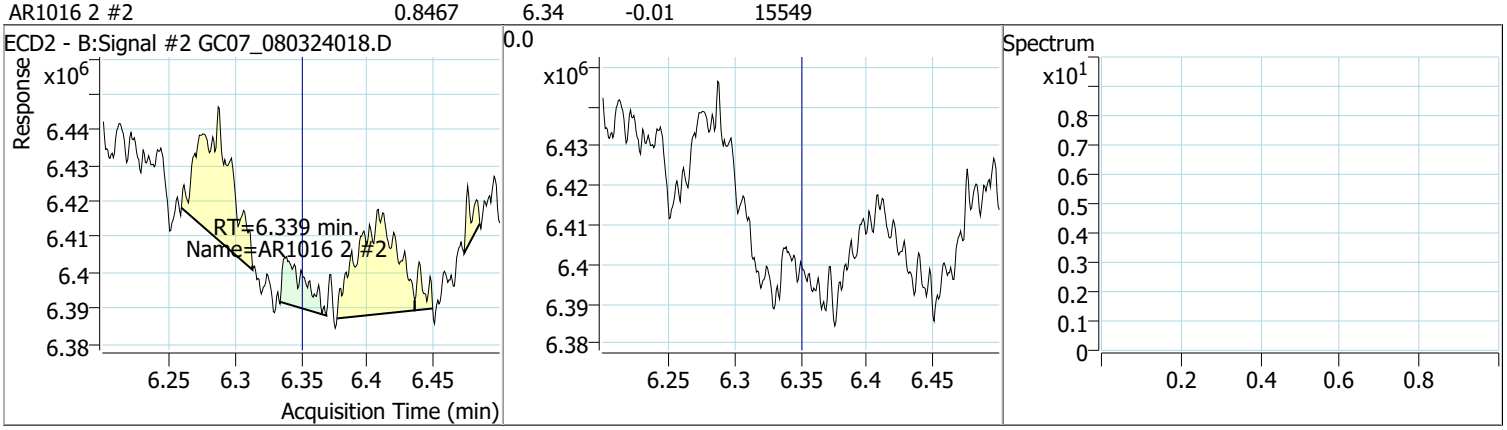
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AR1016 1 #2	27.7540	5.92	0.01	246702				



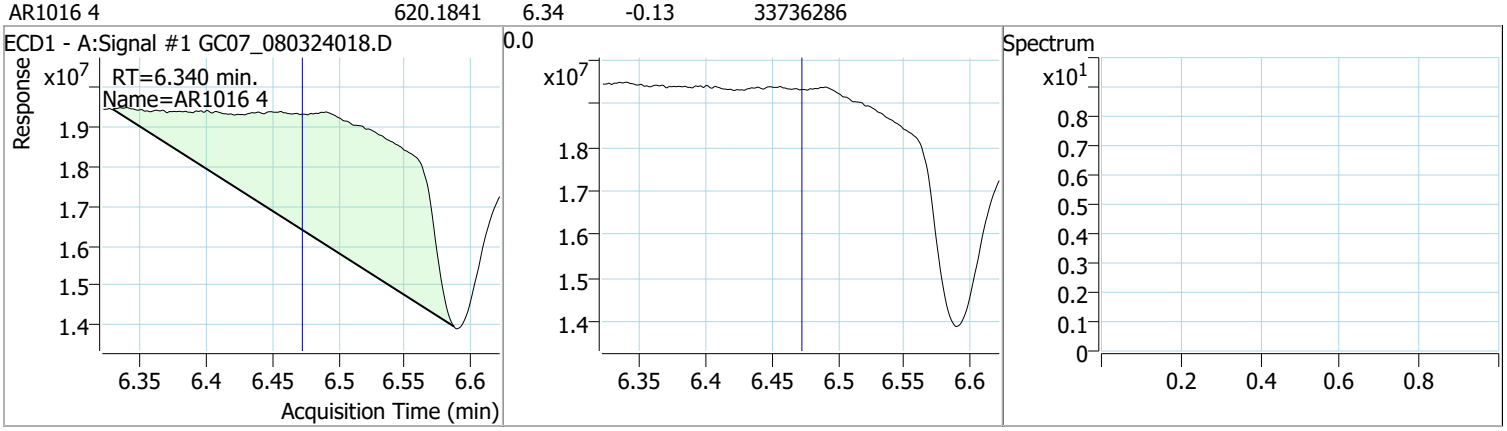
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	206.4037	6.29	-0.04	16640949				



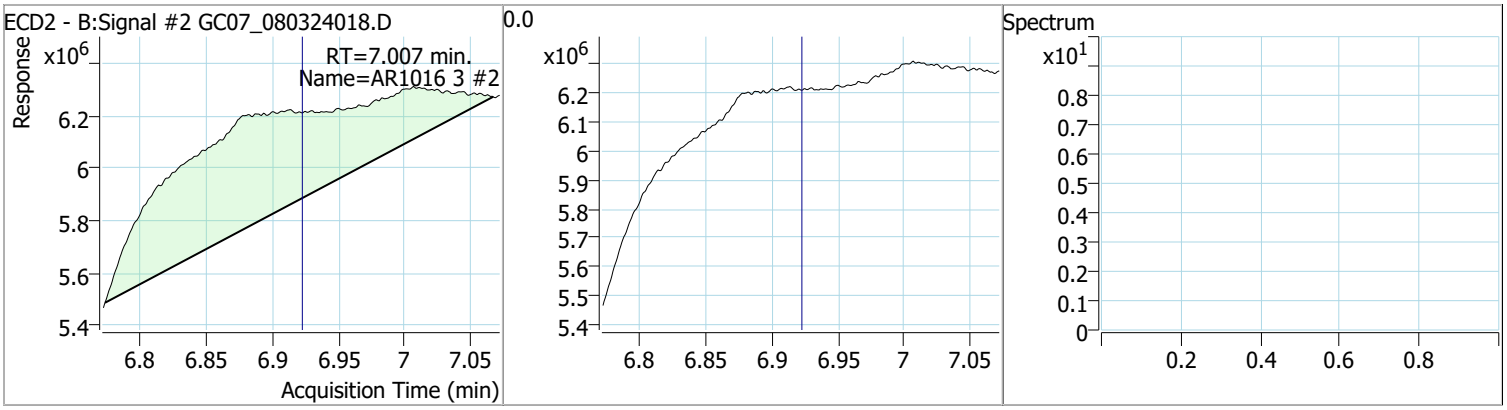
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	0.8467	6.34	-0.01	15549				



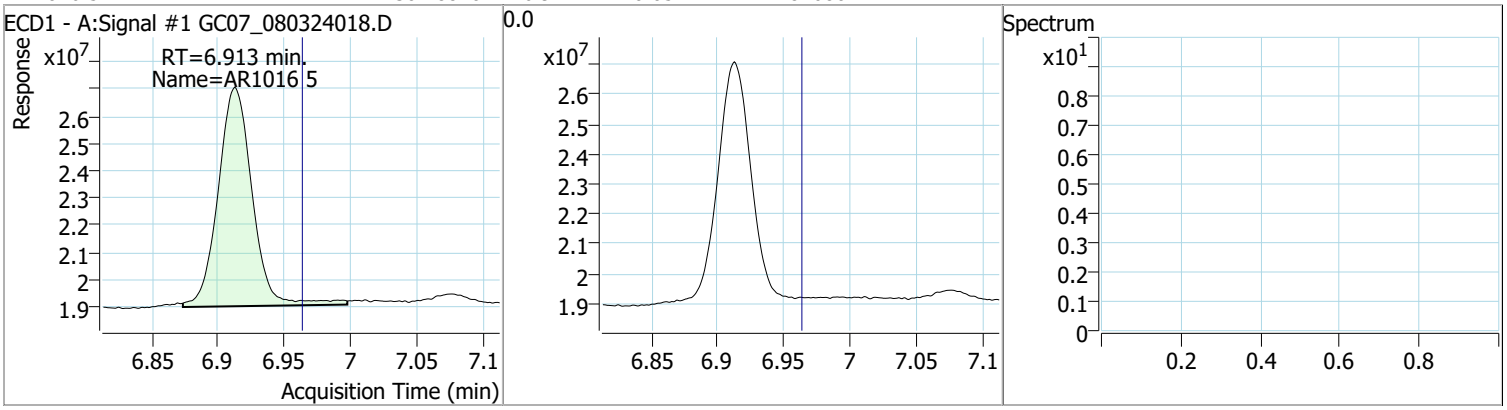
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	620.1841	6.34	-0.13	33736286				



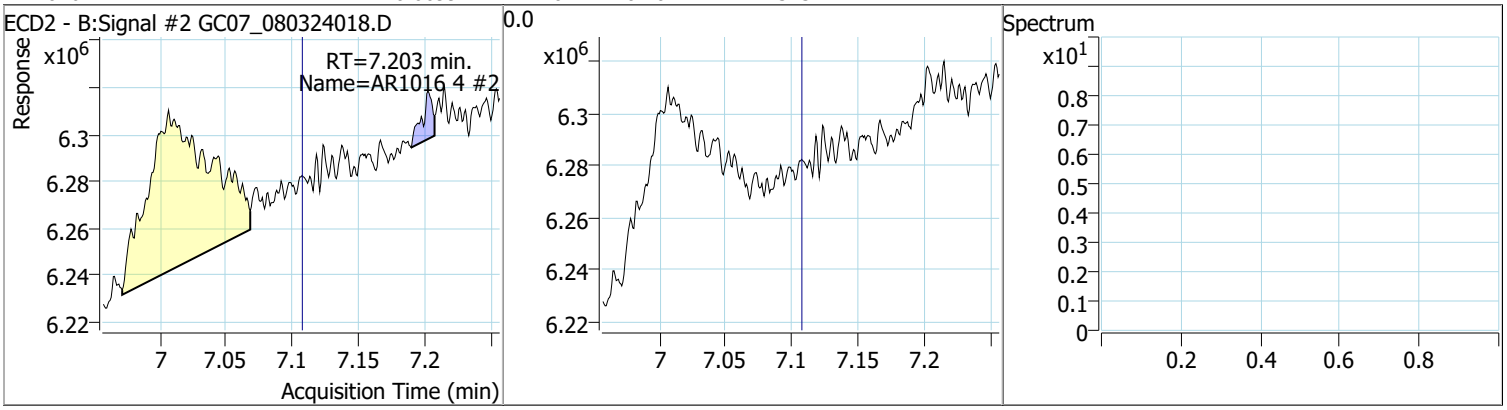
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AR1016 3 #2	199.8380	7.01	0.08	4577279				



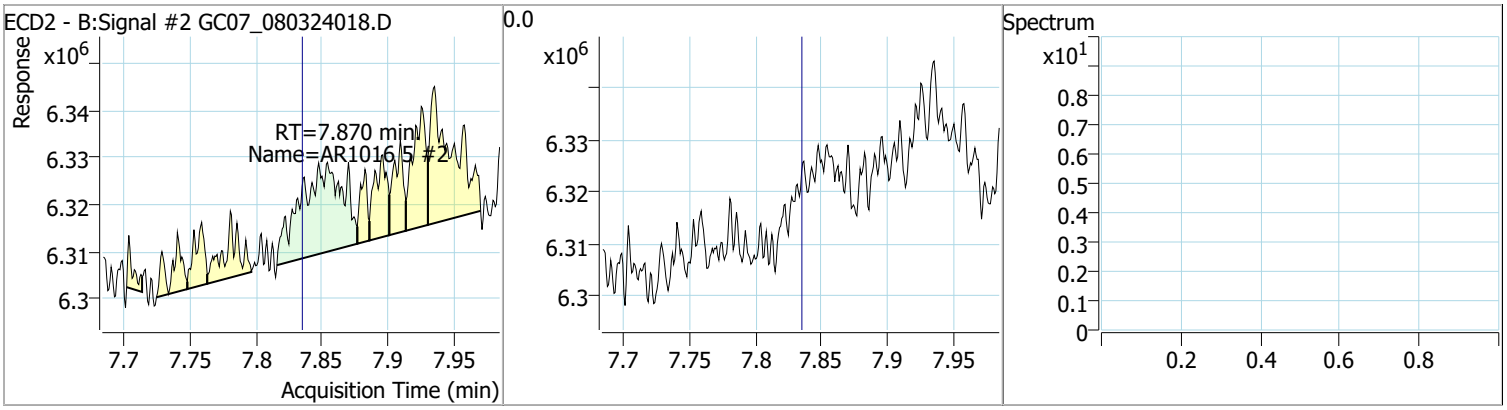
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	302.8870	6.91	-0.05	14482680				



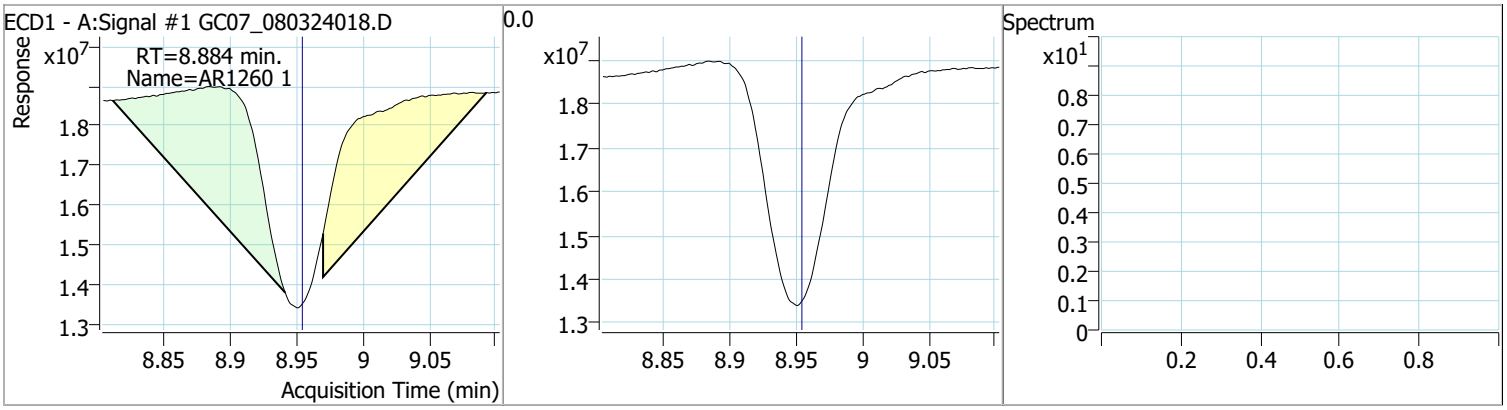
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AR1016 4 #2	0.6699	7.20	0.10	11343				



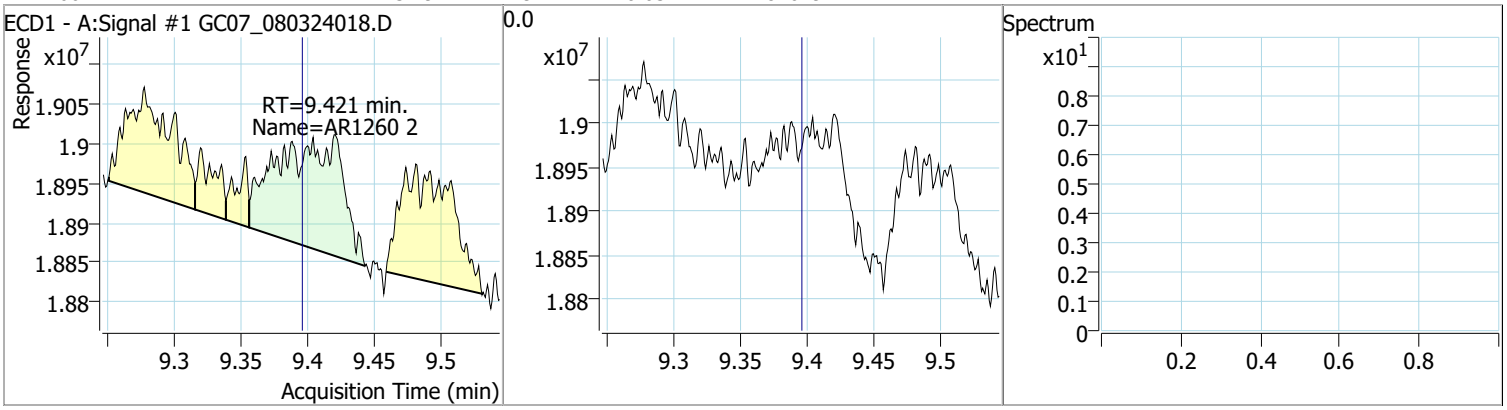
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.1665	7.87	0.04	43364				



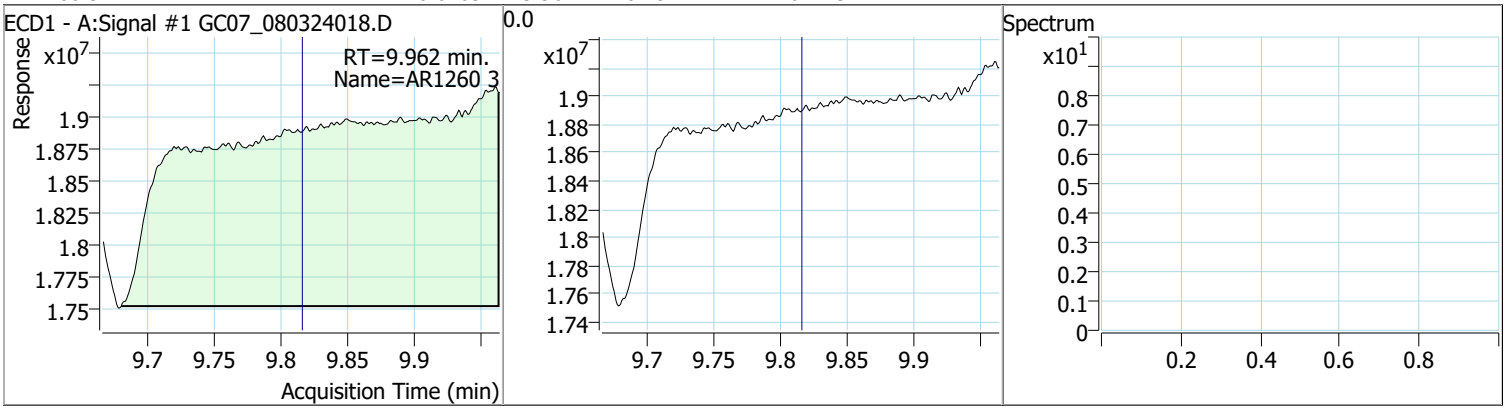
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	161.5173	8.88	-0.07	15489303				



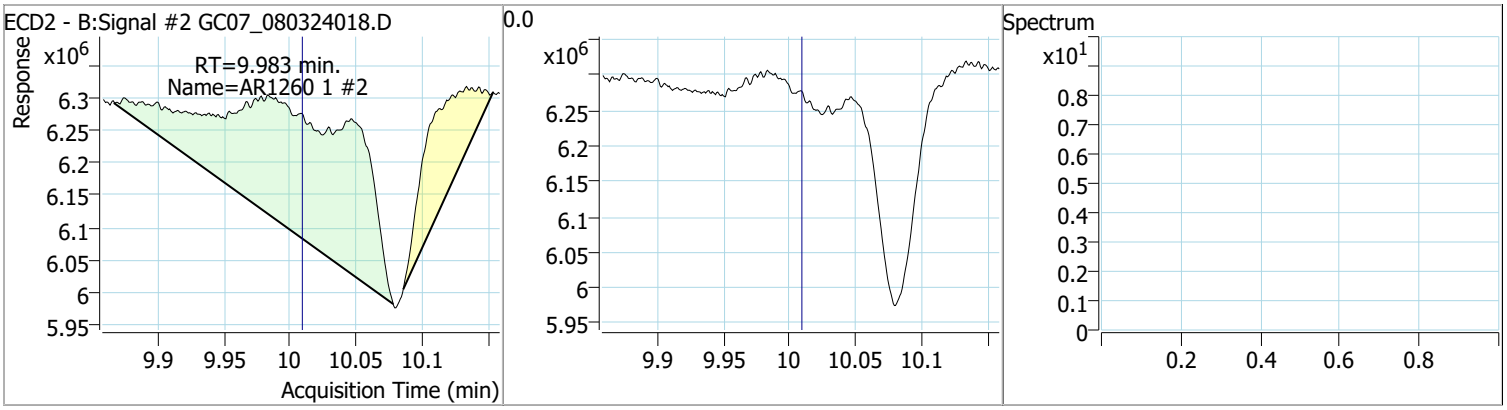
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.2911	9.42	0.03	482029				



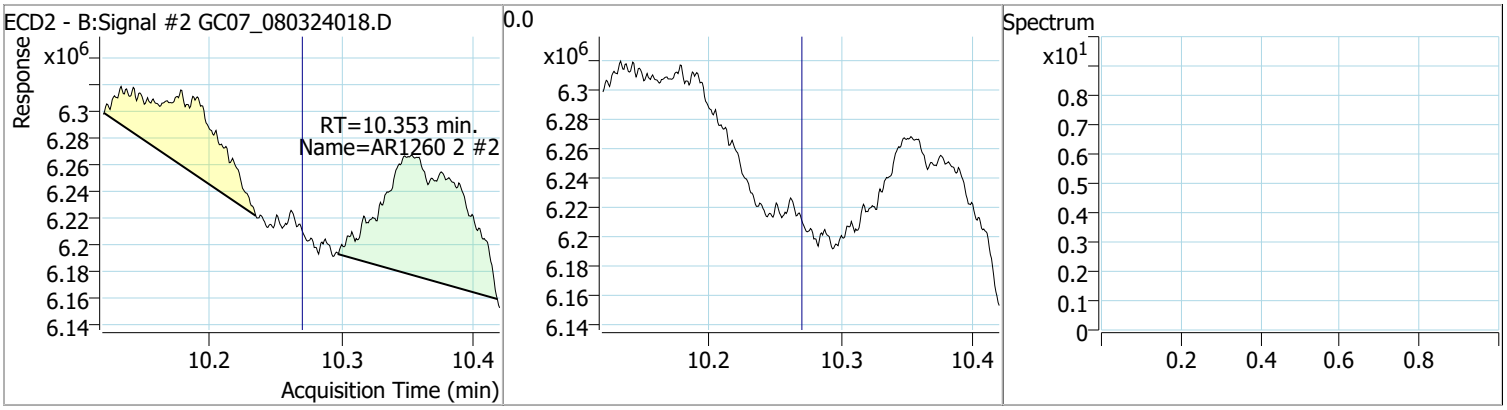
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	140.6463	9.96	0.15	22164273				



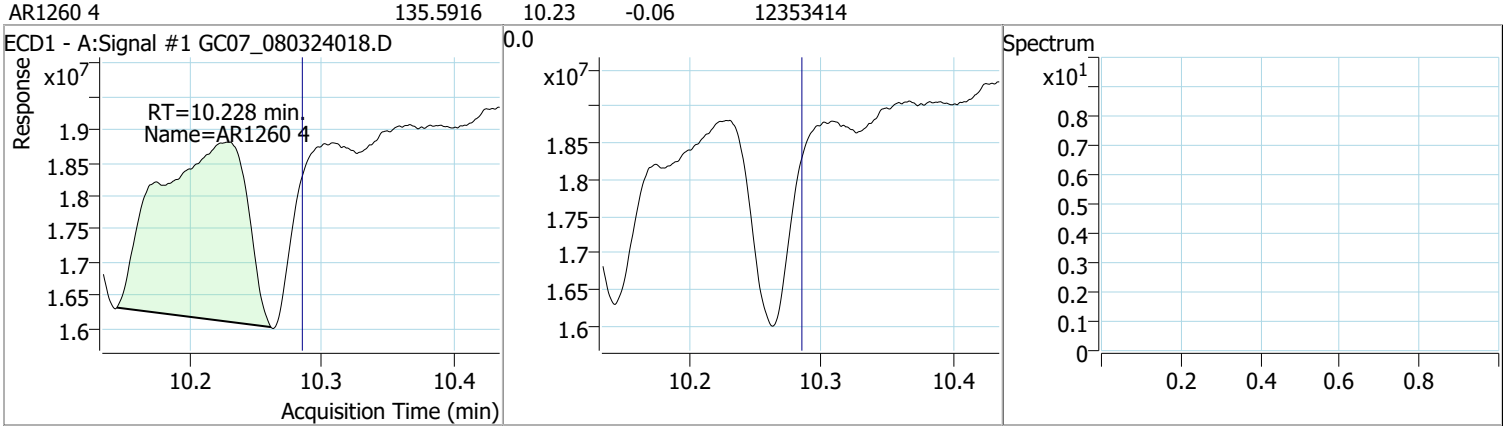
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	64.6648	9.98	-0.03	1574974				



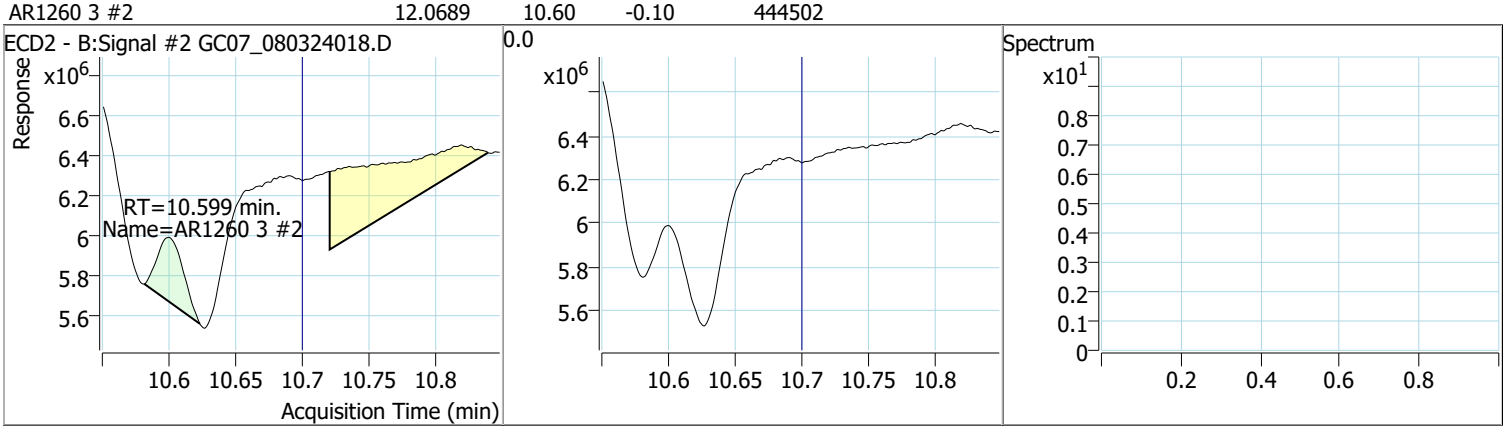
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.9881	10.35	0.08	397404				



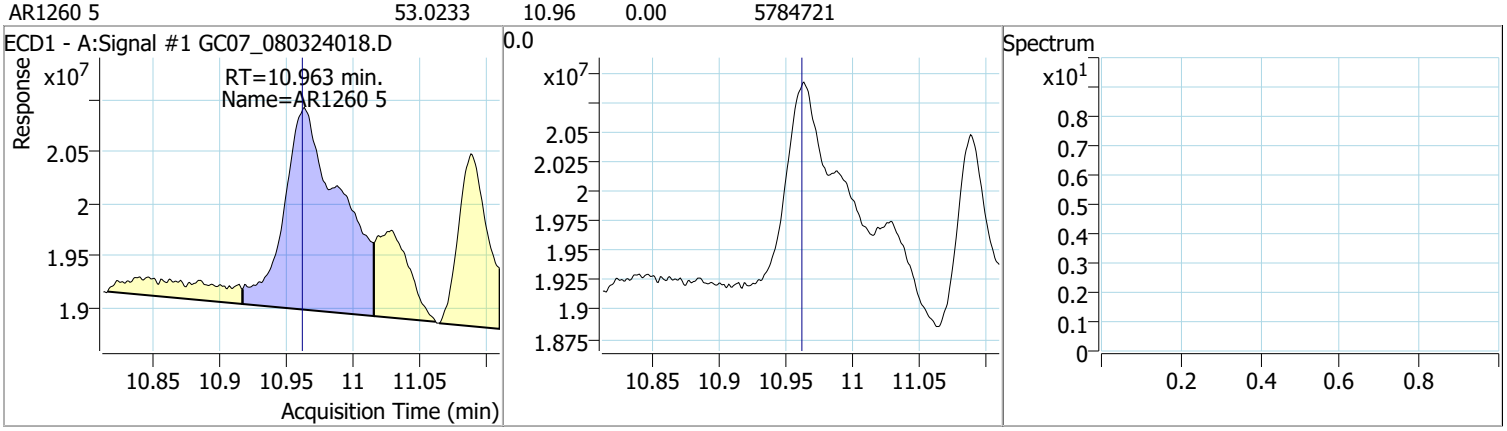
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	135.5916	10.23	-0.06	12353414				



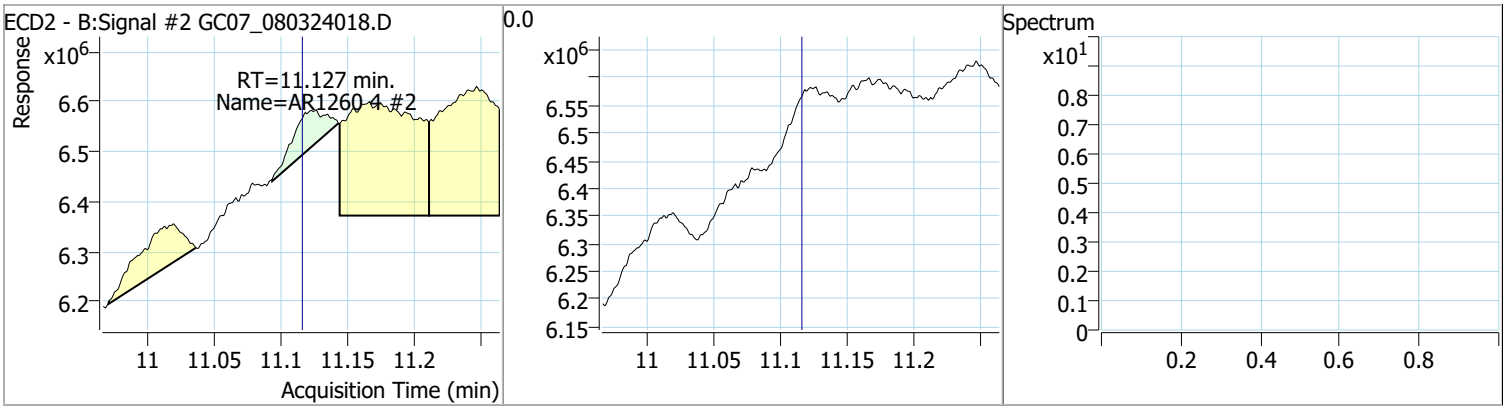
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.0689	10.60	-0.10	444502				



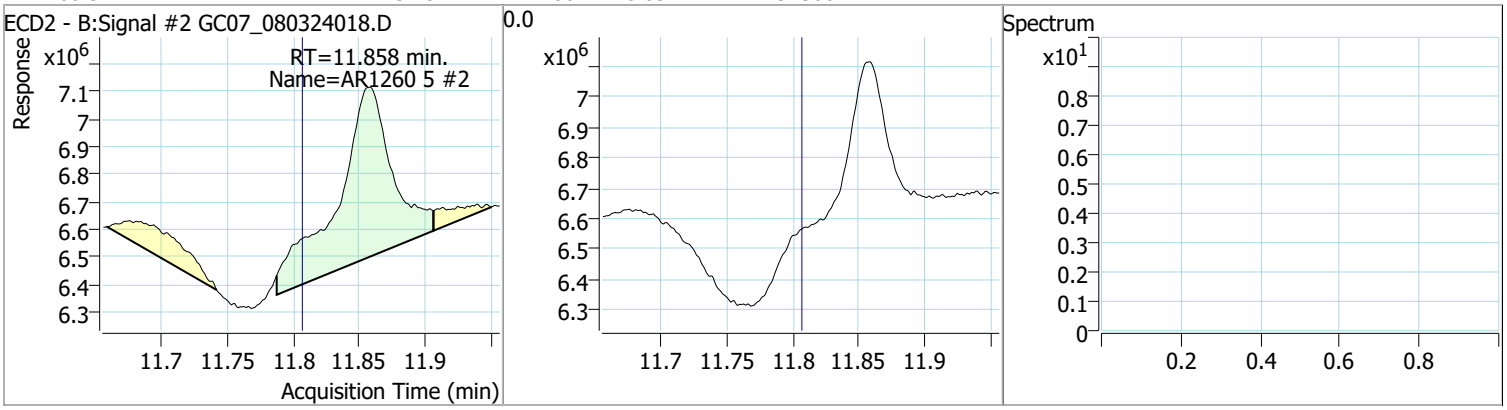
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	53.0233	10.96	0.00	5784721				



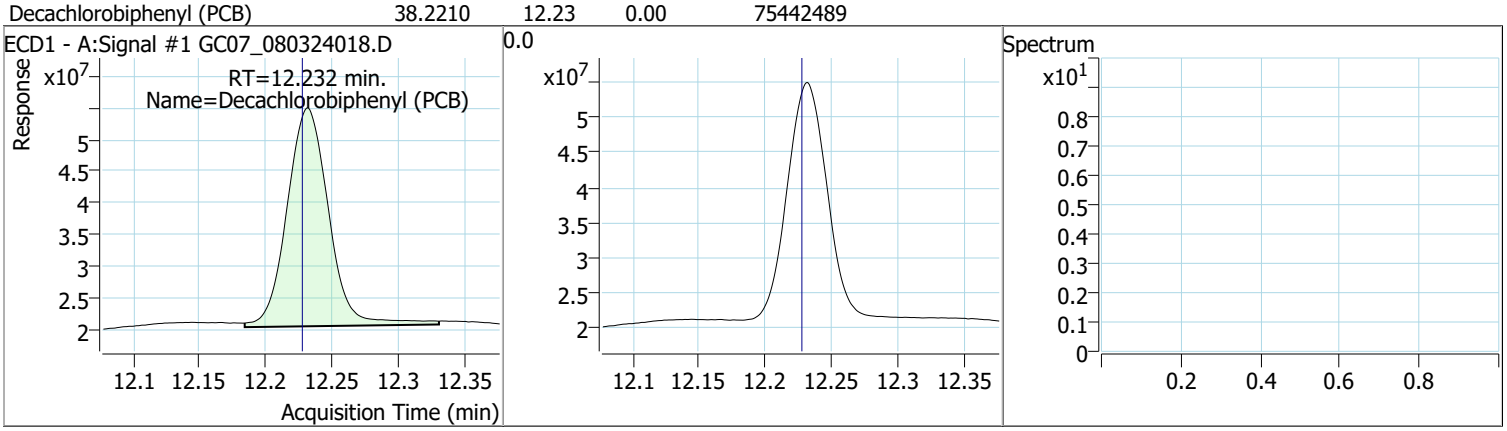
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.4955	11.13	0.01	127983				



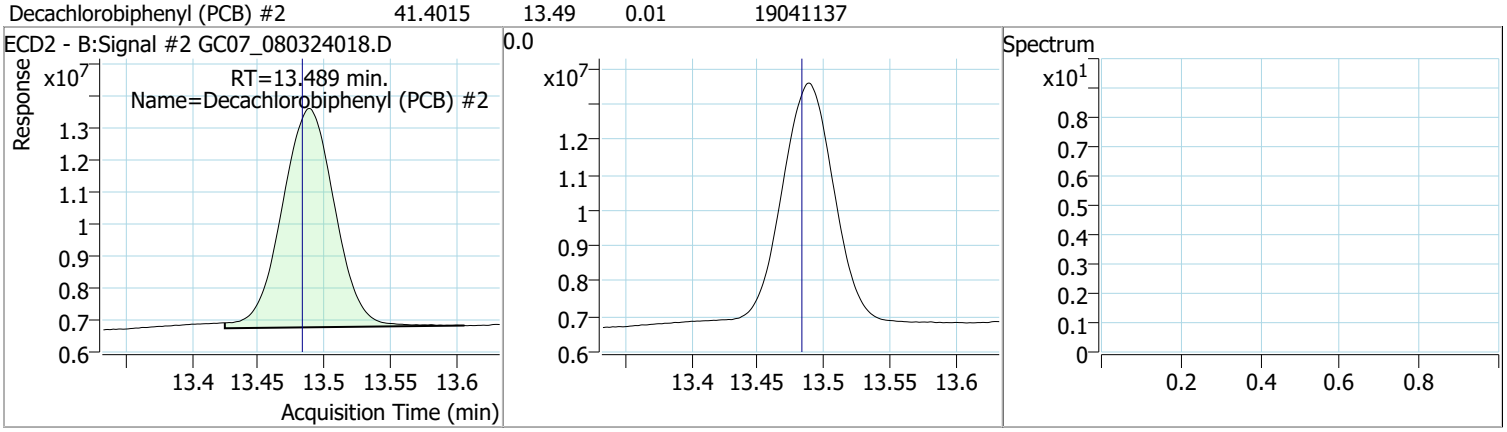
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	51.8127	11.86	0.05	1791366				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.2210	12.23	0.00	75442489				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4015	13.49	0.01	19041137				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-009	Client ID:	DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA
Seqnum:	464311880019	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324019	Batch:	346727	Time:	03-AUG-2024 19:02
Cal:	464259633001	Caldate:	28-JUN-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	5.970	ug/L	ND	1.8	187%	0.50		u
Aroclor-1016 Peak # 1	B	21.59	ug/L	0.22	0.38	55%			
Aroclor-1016 Peak # 2	B	1.901	ug/L	0.02	0.08	121%			
Aroclor-1016 Peak # 3	B	0.02928	ug/L	0.00	1.13	200%			
Aroclor-1016 Peak # 4	B	3.845	ug/L	0.04	5.49	197%			
Aroclor-1016 Peak # 5	B	2.489	ug/L	0.02	2.04	195%			
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	19.44	ug/L	ND	0.69	113%	0.50		u
Aroclor-1260 Peak # 1	B	14.62	ug/L	0.15	1.41	162%			
Aroclor-1260 Peak # 2	B	5.226	ug/L	0.05	0.04	32%			
Aroclor-1260 Peak # 3	B	9.105	ug/L	0.09	0.12	29%			
Aroclor-1260 Peak # 4	B	10.36	ug/L	0.10	0.98	162%			
Aroclor-1260 Peak # 5	B	57.90	ug/L	0.58	0.92	46%			
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	37.71	pg/uL	0.5000	0.3771	75	19-121	u
Decachlorobiphenyl (PCB)	B	36.63	pg/uL	0.5000	0.3663	73	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8377558	3.15
1-bromo-2-nitrobenzene (PCB)	A	35201723	35852146	1.85

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.33	0.01

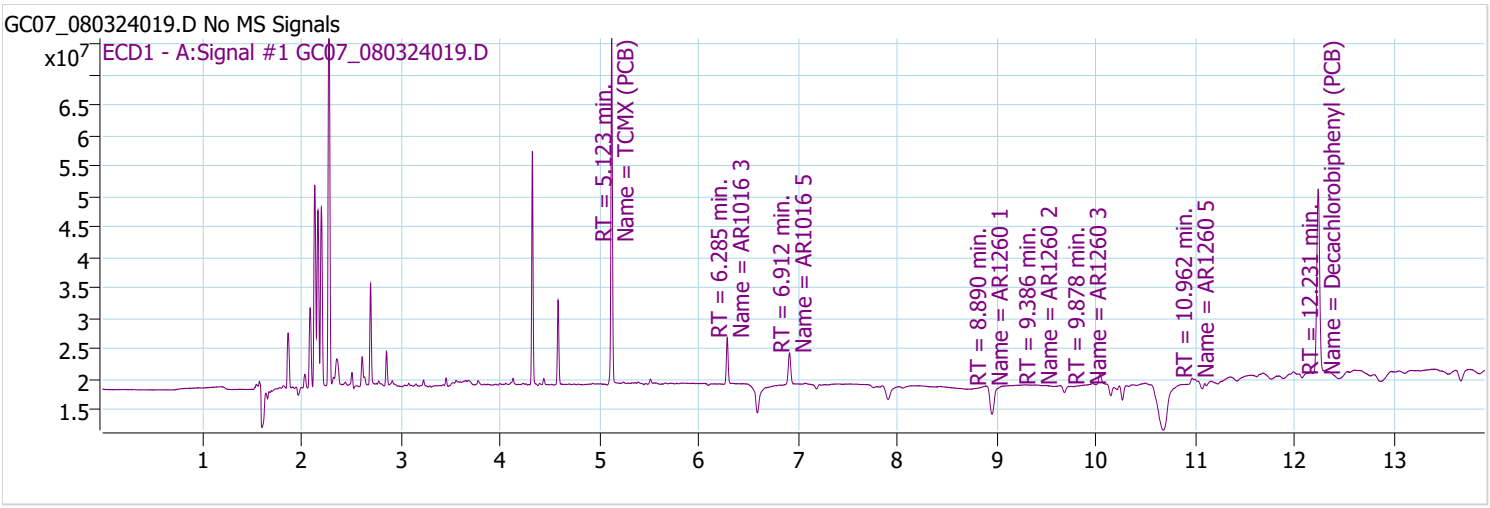
08/05/24 : SOIL/10G-10ML

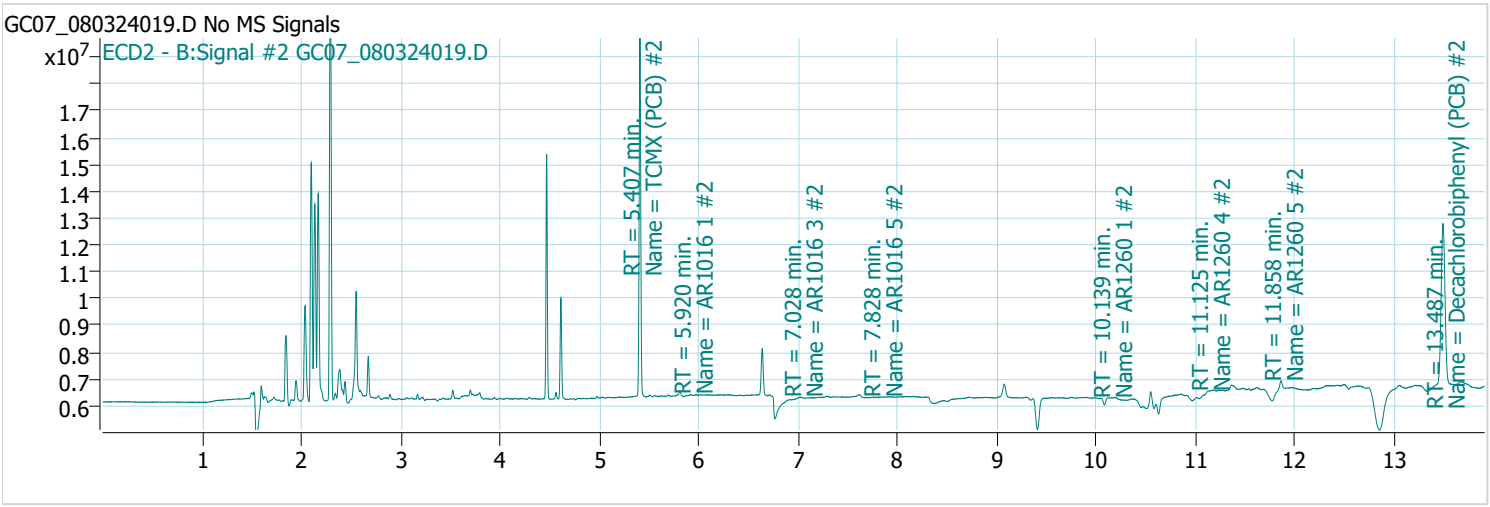
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 7:02:39 PM
Sample Name	513150-009, 346569, 1	Instrument	SVOA-GC07
Vial	9	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



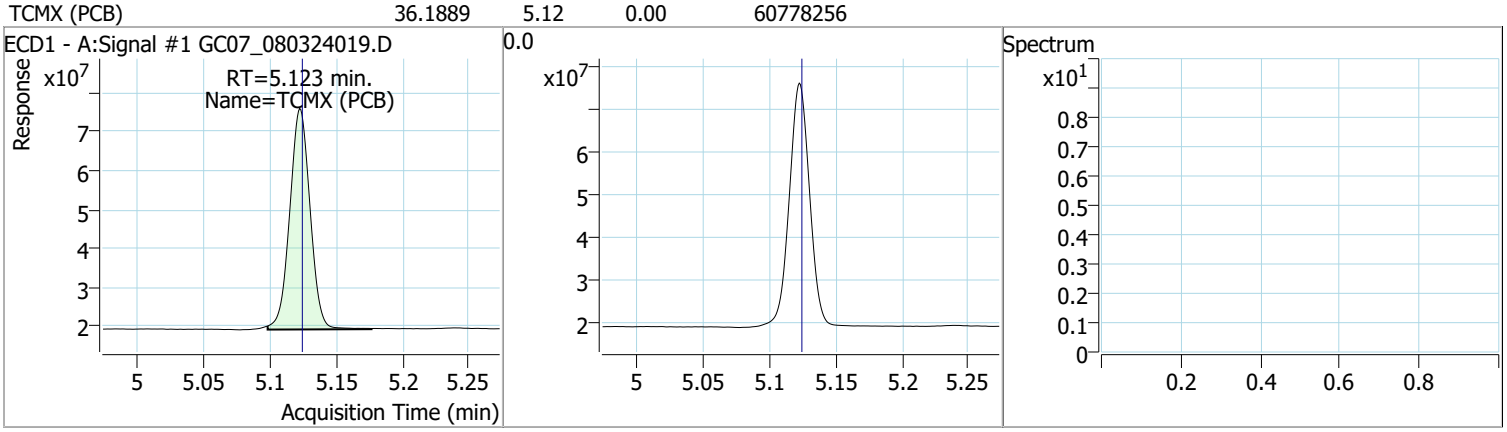


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	35852146.201	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8377558.333	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	60778255.965	36.1889	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.94%		*	
S TCMX (PCB) #2	5.407	0.0	15154870.732	37.7147	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.57%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	62465827.687	31.6013	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.01%		*	
S Decachlorobiphenyl (PCB) #2	13.487	0.0	16764256.384	36.6298	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.15%		*	
Target Compounds							QValue

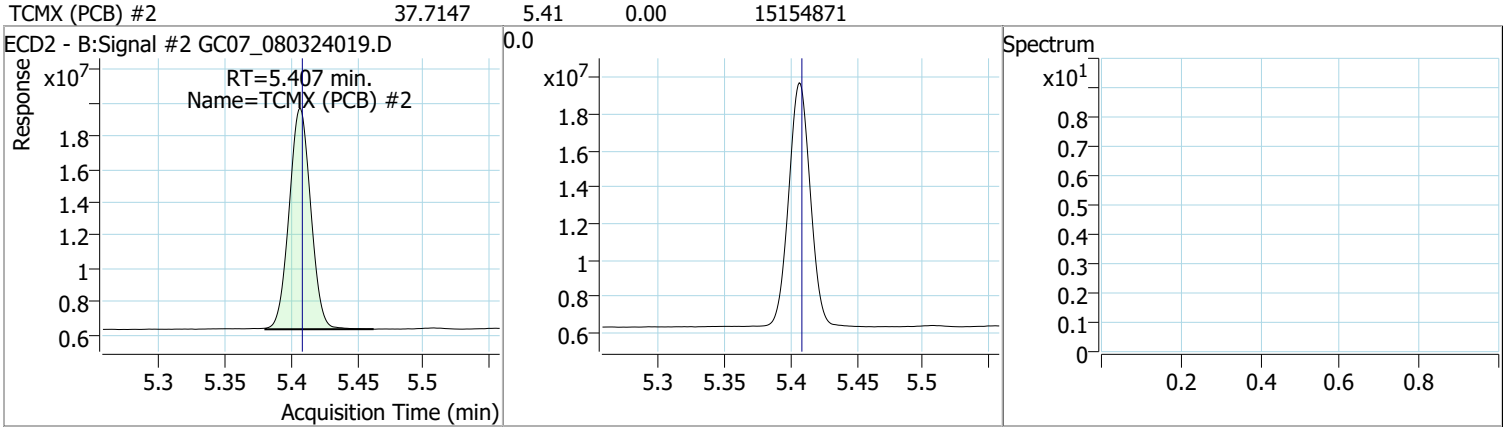
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.513	0.0	1183665.558	37.7707	ng/ml	100
T AR1016 2	5.834	0.0	504487.125	7.7491	ng/ml	100
T AR1016 1 #2	5.920	0.0	190938.906	21.5860	ng/ml	100
T AR1016 3	6.285	0.0	9794663.222	112.7404	ng/ml	100
T AR1016 2 #2	6.308	0.0	34748.195	1.9014	ng/ml	100
T AR1016 4	6.346	0.0	29925903.868	549.3475	ng/ml	100
T AR1016 3 #2	7.028	0.0	667.298	0.0293	ng/ml	100
T AR1016 5	6.912	0.0	9772152.355	204.0791	ng/ml	100
T AR1016 4 #2	7.106	0.0	64779.668	3.8446	ng/ml	100
T AR1016 5 #2	7.828	0.0	33919.752	2.4891	ng/ml	100
T AR1260 1	8.890	0.0	13570827.709	141.3091	ng/ml	100
T AR1260 2	9.386	0.0	554142.715	3.7780	ng/ml	100
T AR1260 3	9.878	0.0	1916292.577	12.1426	ng/ml	100
T AR1260 1 #2	10.139	0.0	354425.305	14.6233	ng/ml	100
T AR1260 2 #2	10.353	0.0	159132.938	5.2264	ng/ml	100
T AR1260 4	10.230	0.0	8955581.281	98.1558	ng/ml	100
T AR1260 3 #2	10.598	0.0	333697.990	9.1049	ng/ml	100
T AR1260 5	10.962	0.0	10062977.528	92.1058	ng/ml	100
T AR1260 4 #2	11.125	0.0	240079.929	10.3595	ng/ml	100
T AR1260 5 #2	11.858	0.0	1992148.834	57.9029	ng/ml	100

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

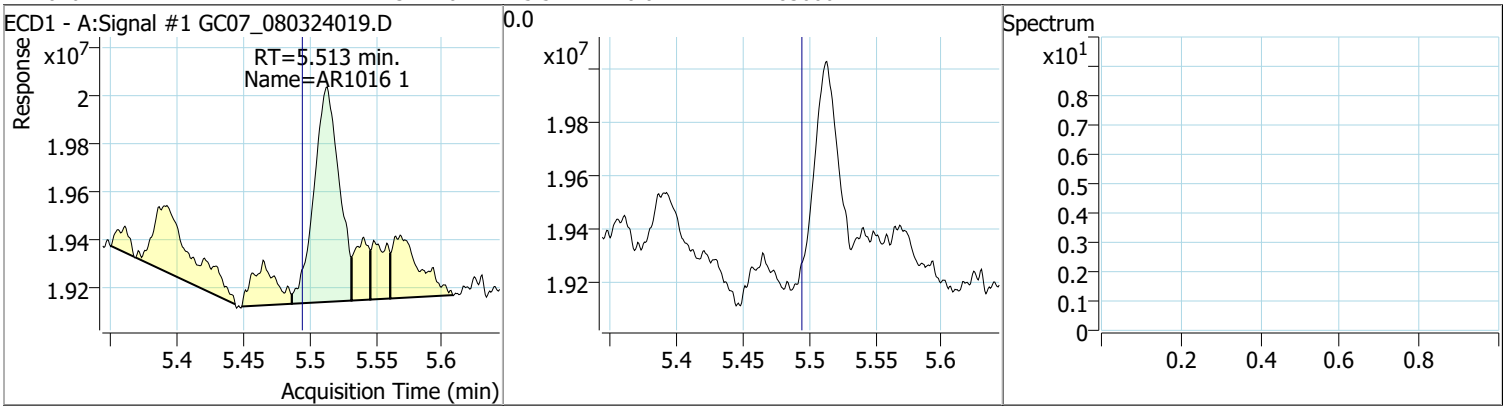
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1889	5.12	0.00	60778256				



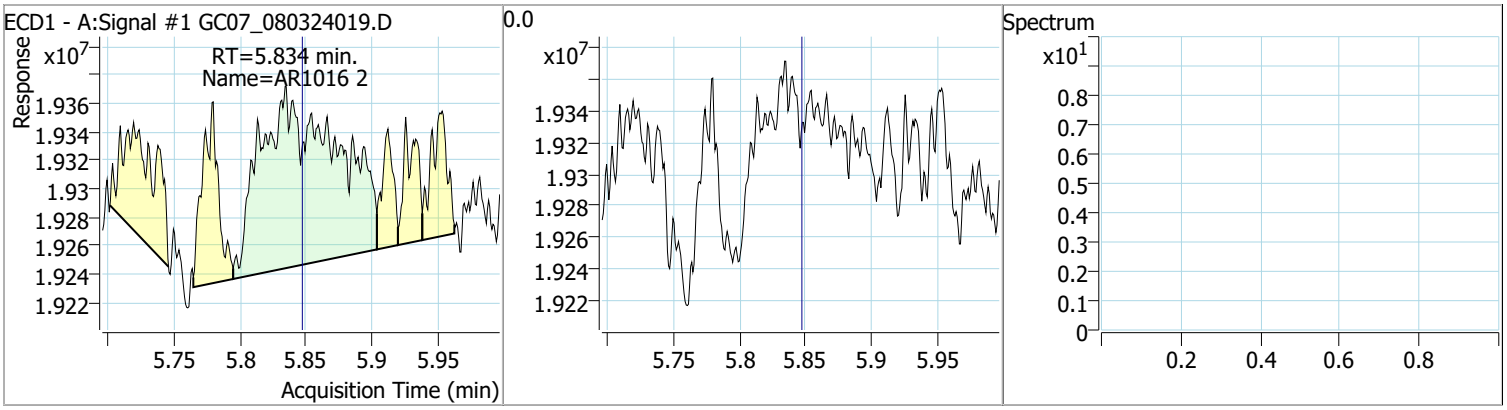
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.7147	5.41	0.00	15154871				



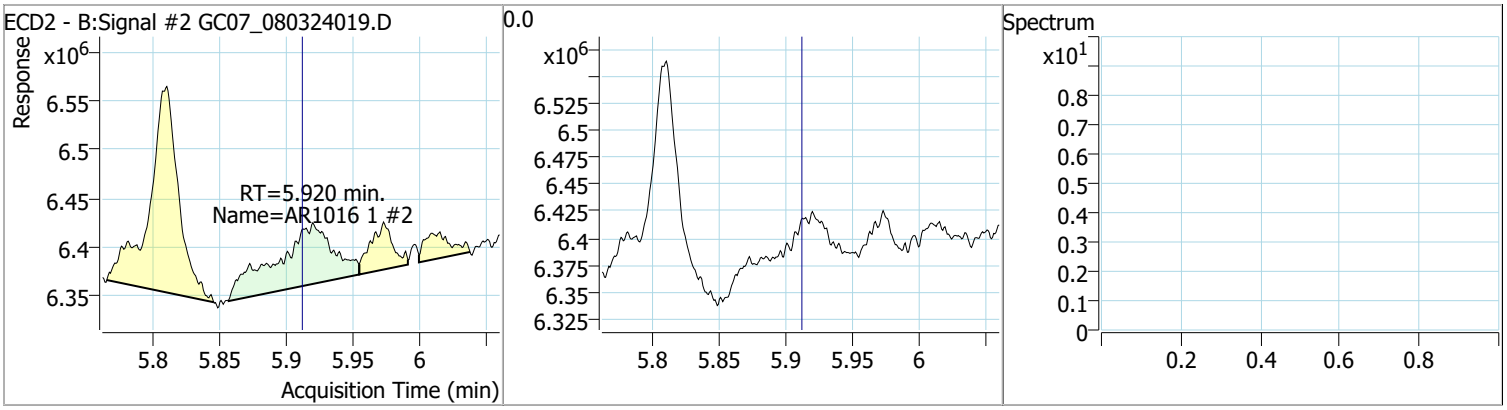
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	37.7707	5.51	0.02	1183666				



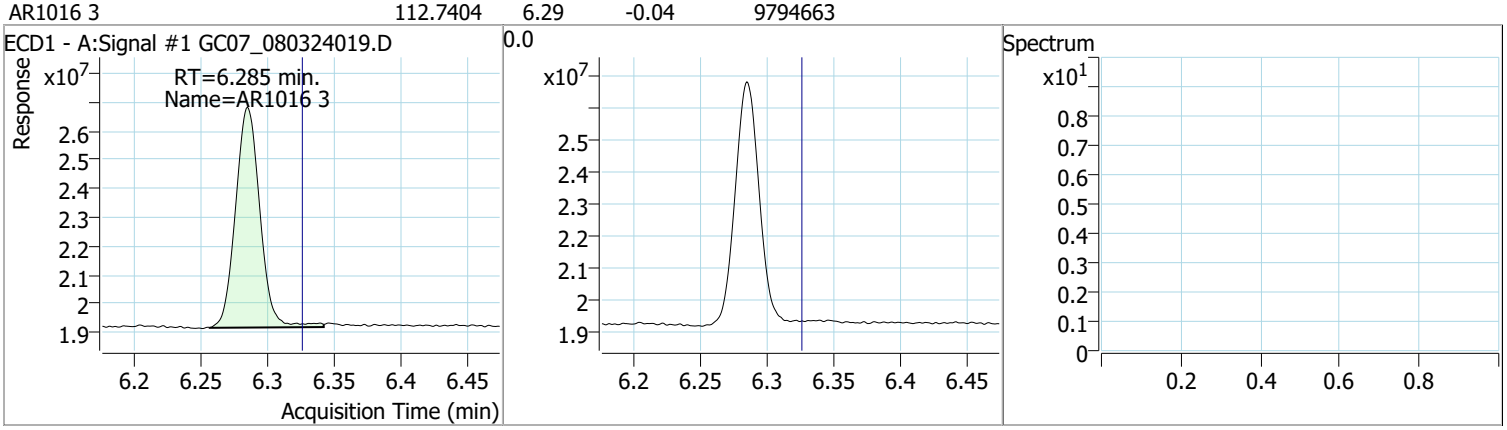
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.7491	5.83	-0.01	504487				



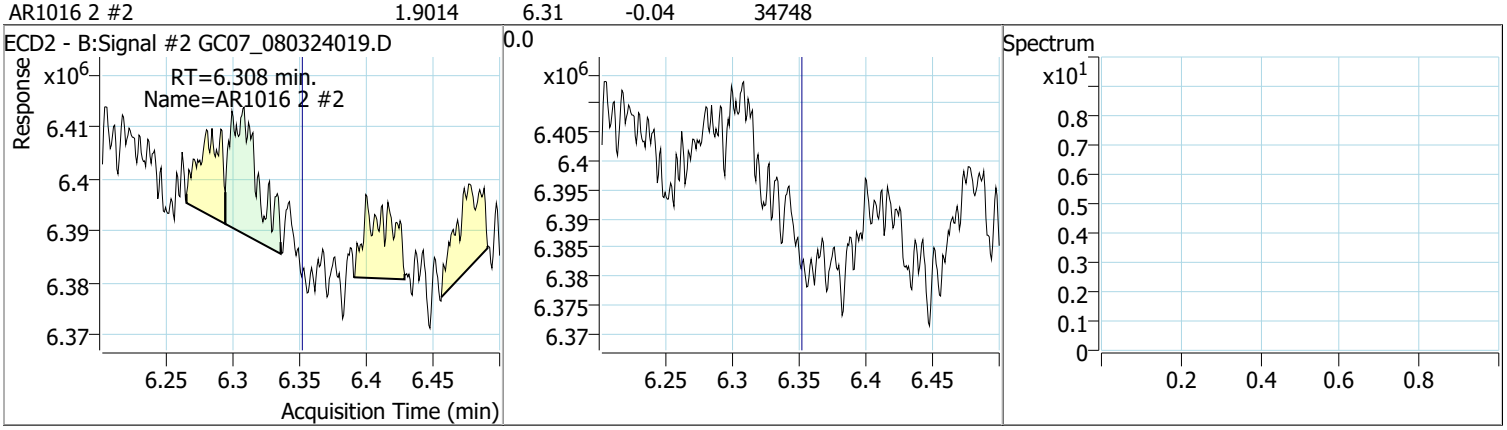
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AR1016 1 #2	21.5860	5.92	0.01	190939				



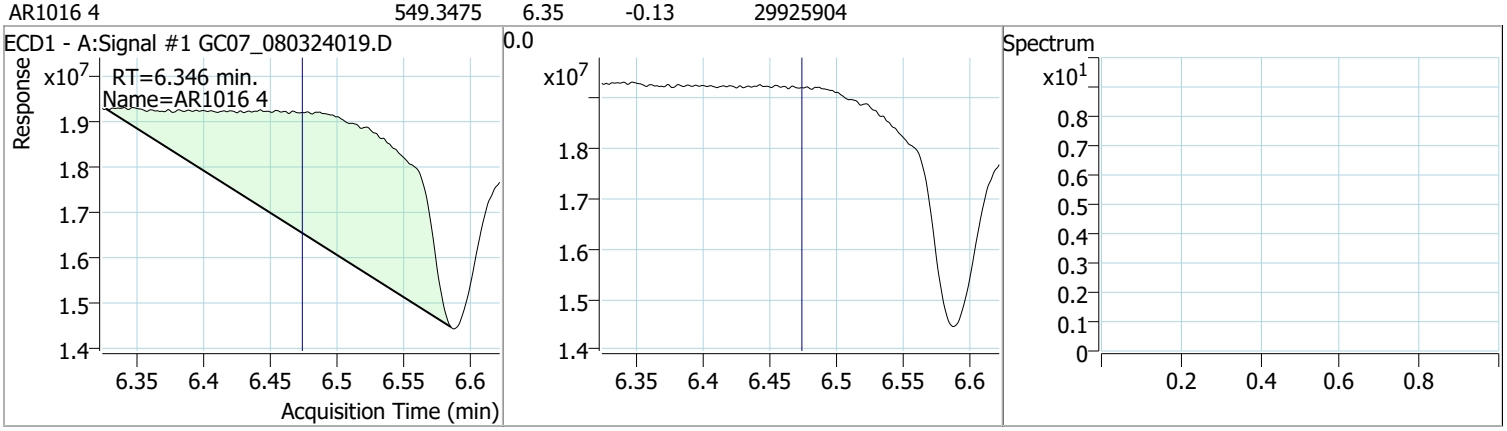
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	112.7404	6.29	-0.04	9794663				



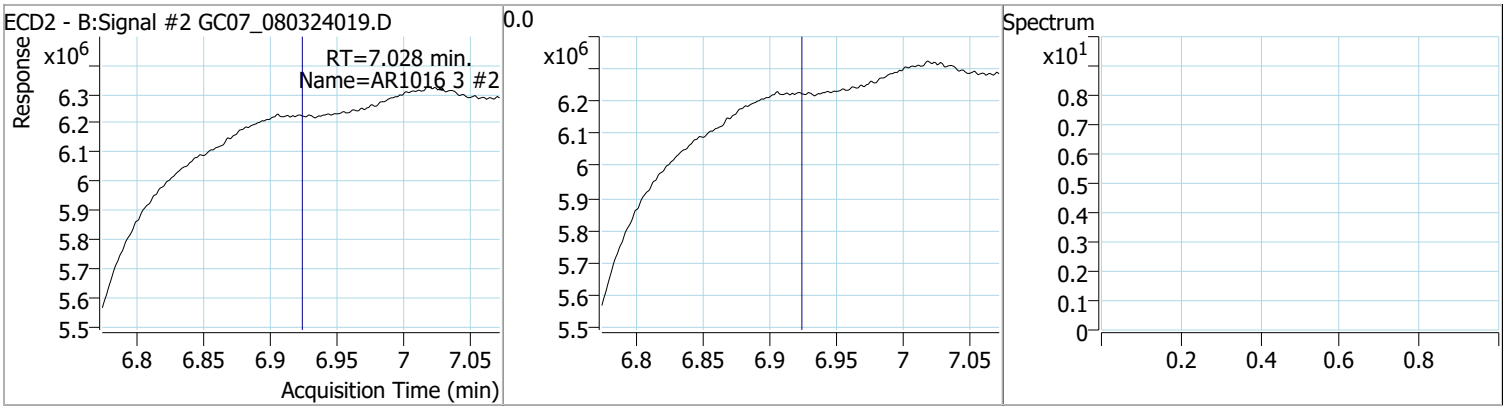
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.9014	6.31	-0.04	34748				



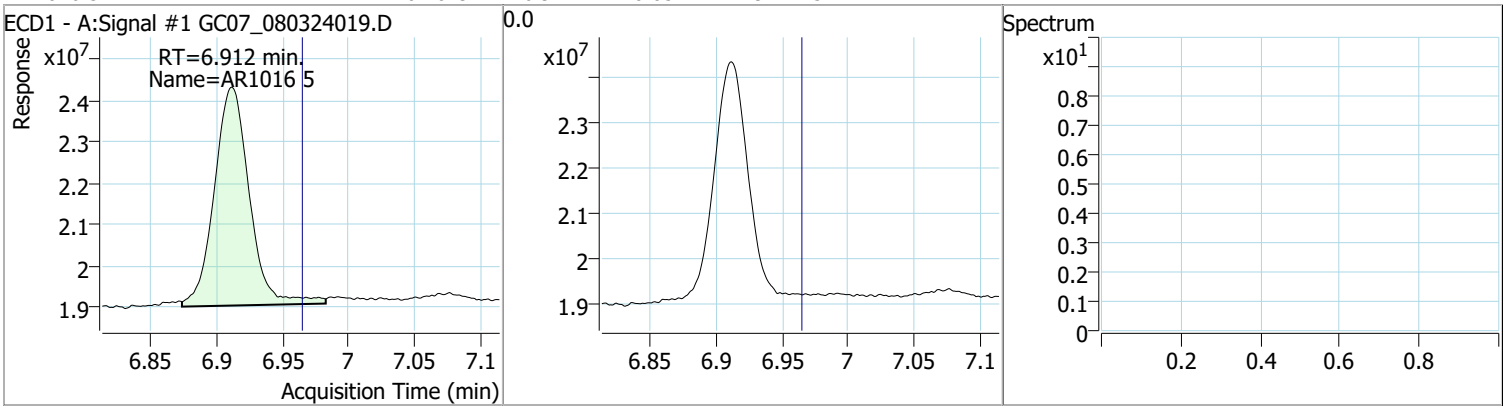
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.3475	6.35	-0.13	29925904				



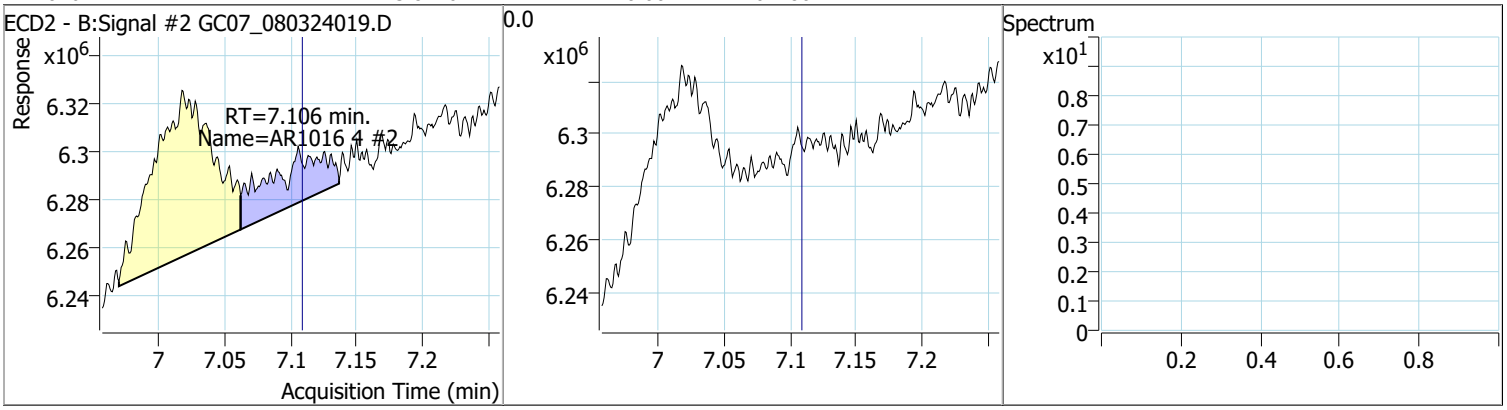
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AR1016 3 #2	0.0293	7.03	0.11	667				



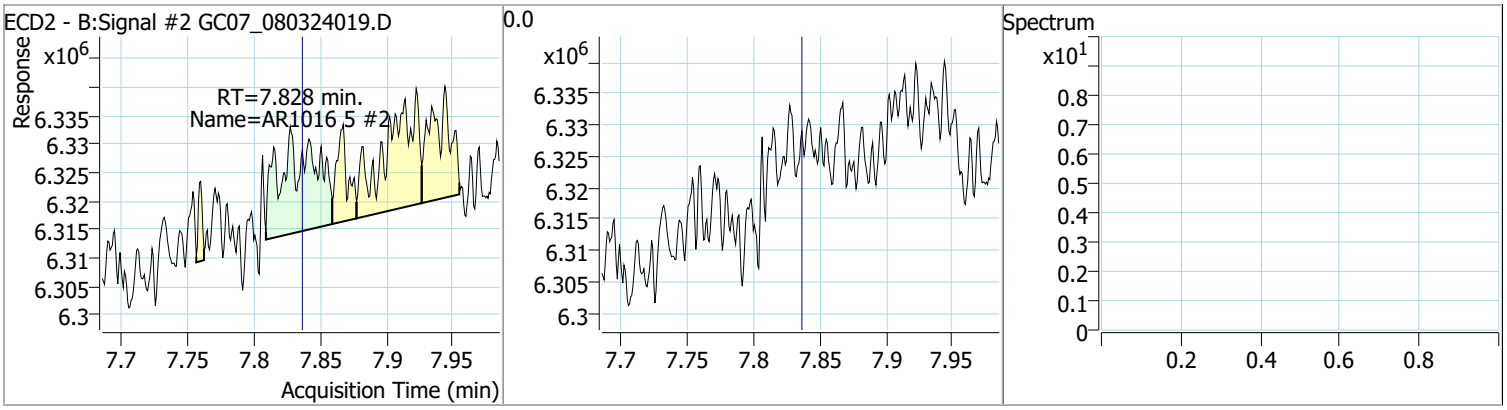
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	204.0791	6.91	-0.05	9772152				



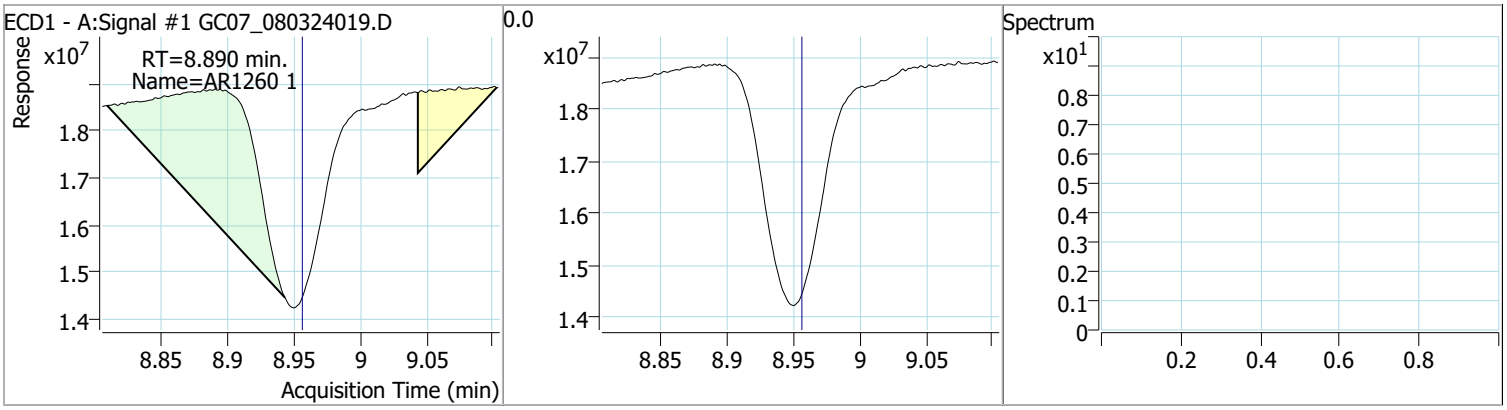
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.8446	7.11	0.00	64780				



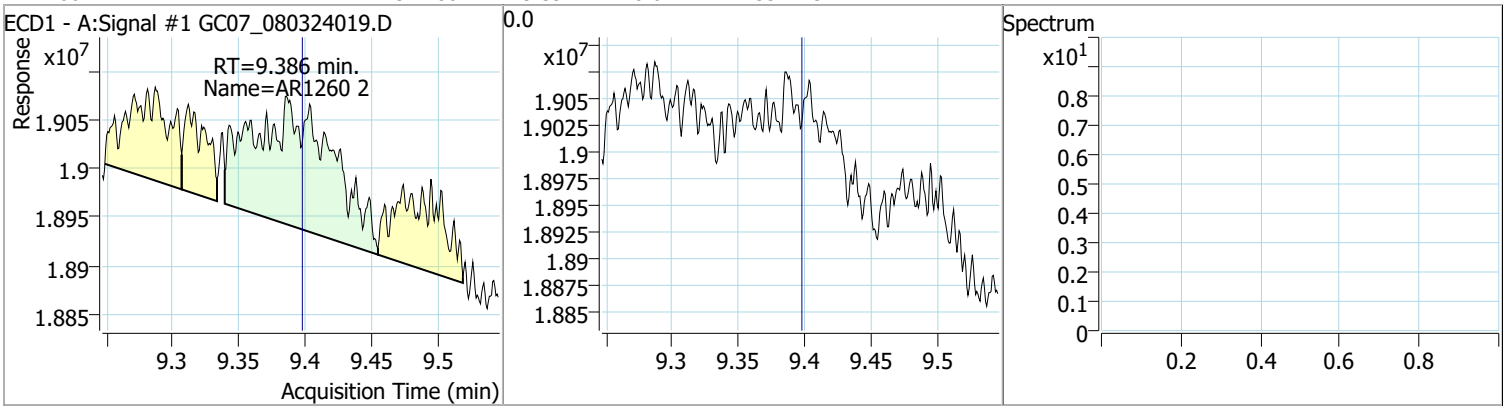
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.4891	7.83	-0.01	33920				



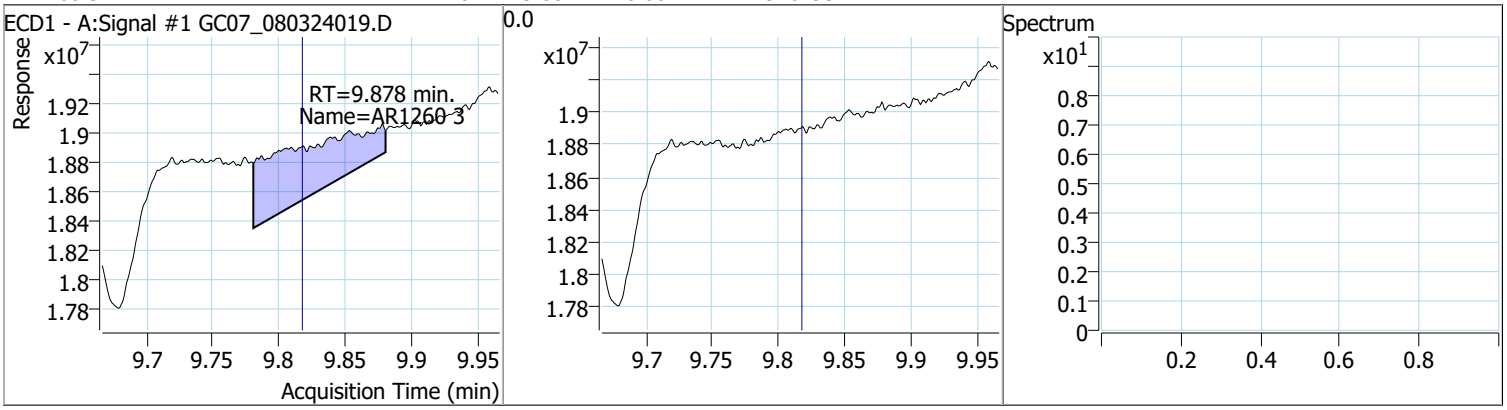
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	141.3091	8.89	-0.06	13570828				



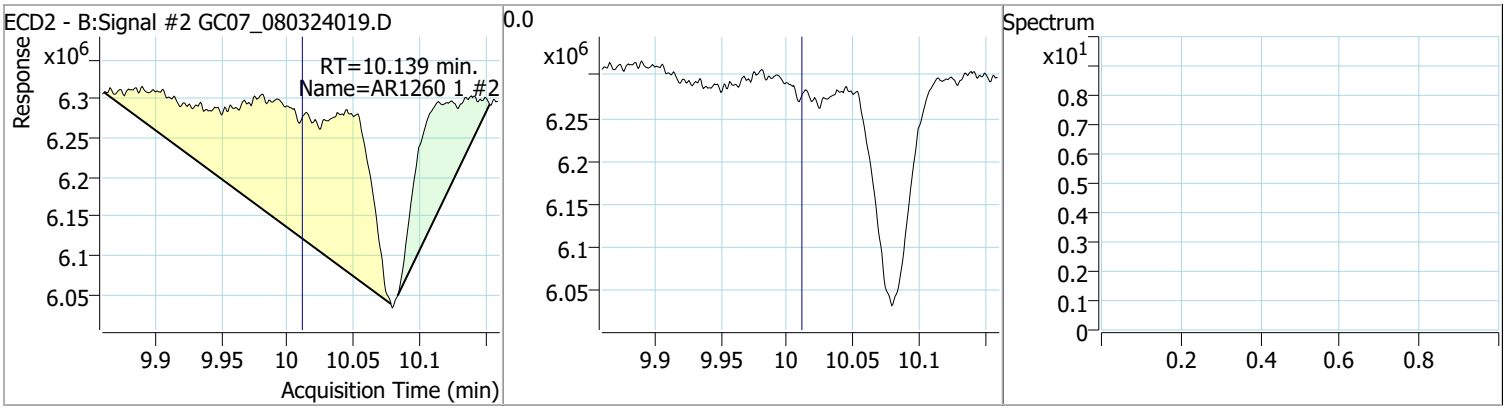
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.7780	9.39	-0.01	554143				



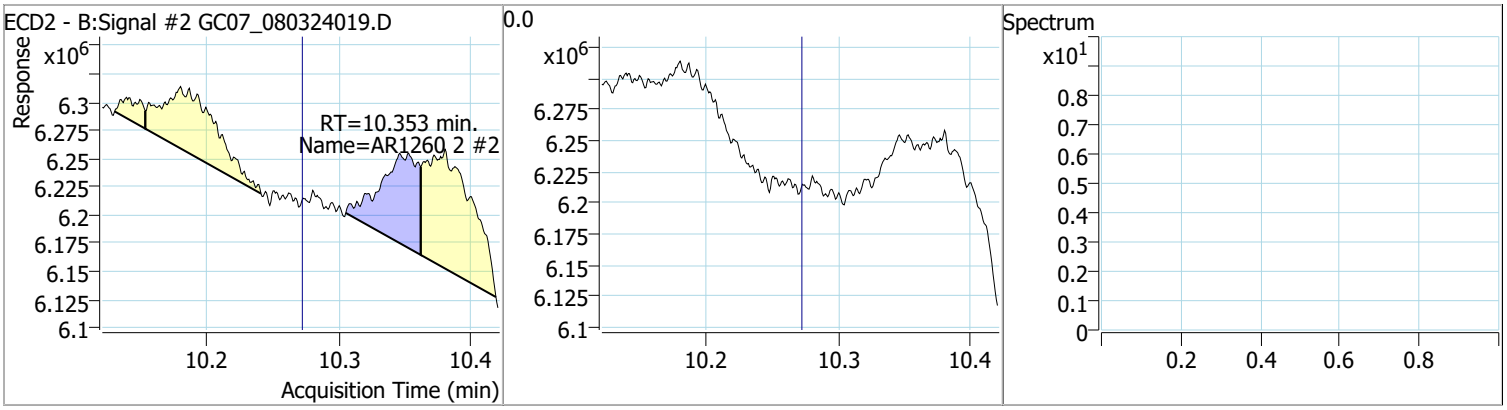
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.1426	9.88	0.06	1916293				



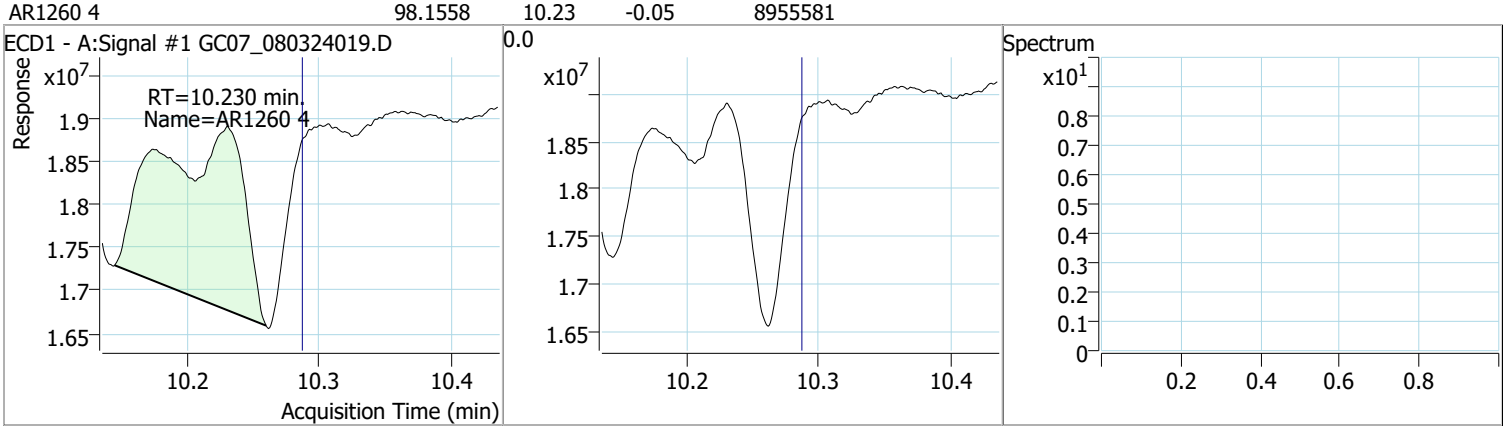
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	14.6233	10.14	0.13	354425				



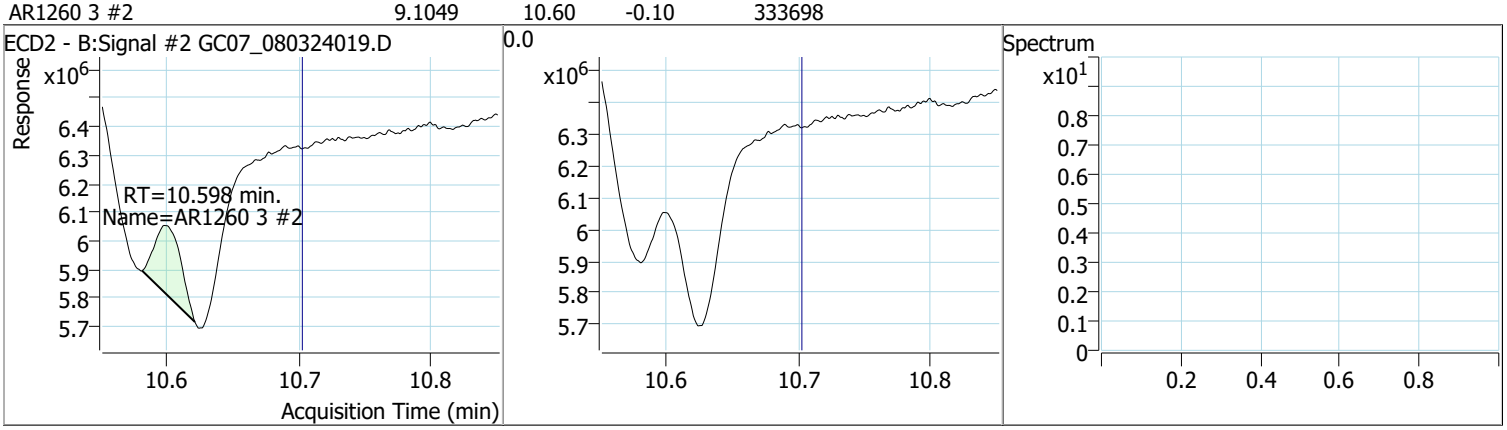
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	5.2264	10.35	0.08	159133				



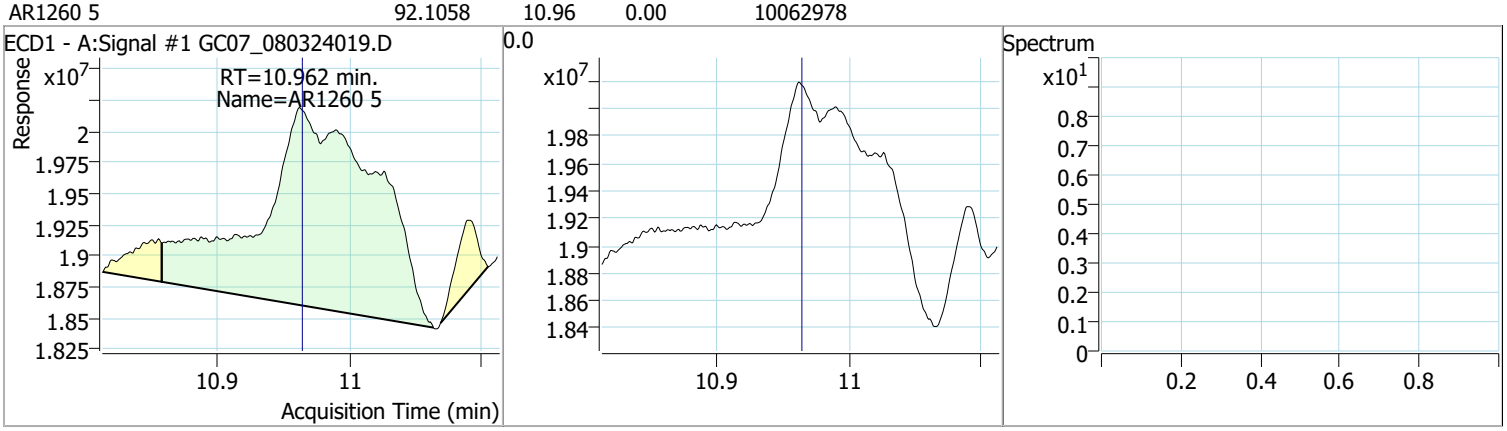
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	98.1558	10.23	-0.05	8955581				



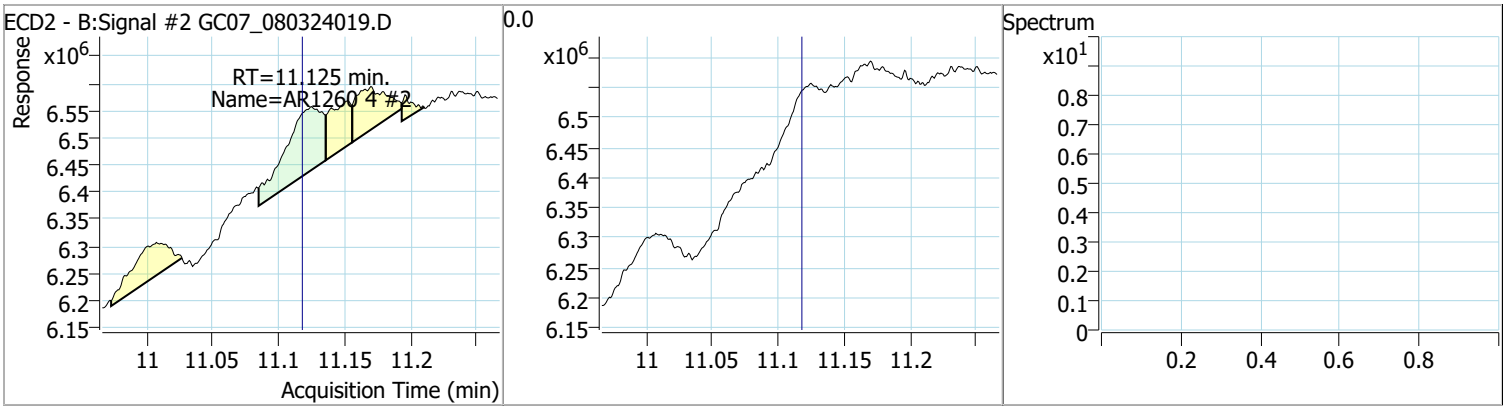
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.1049	10.60	-0.10	333698				



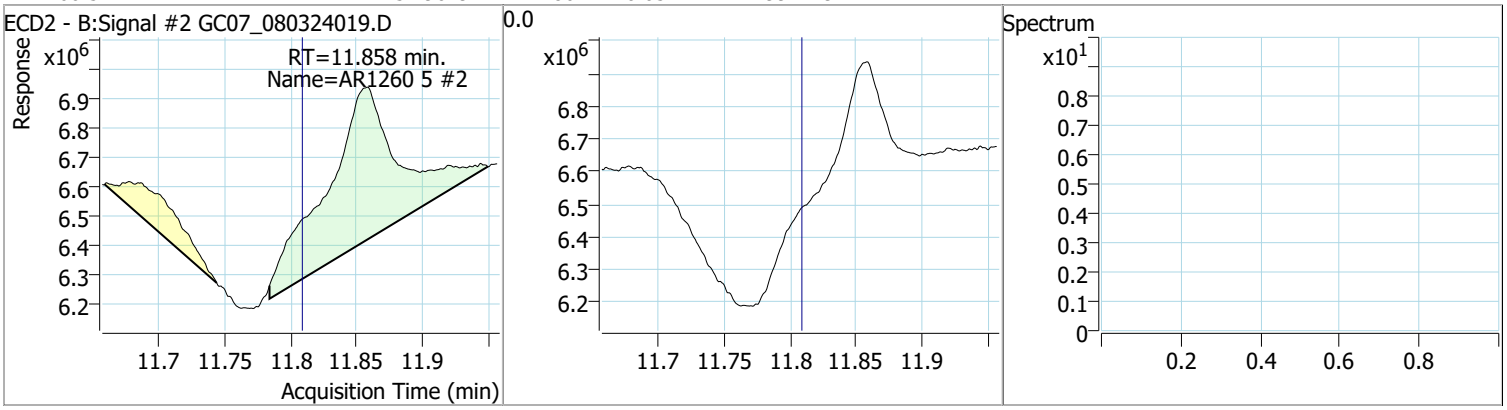
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	92.1058	10.96	0.00	10062978				



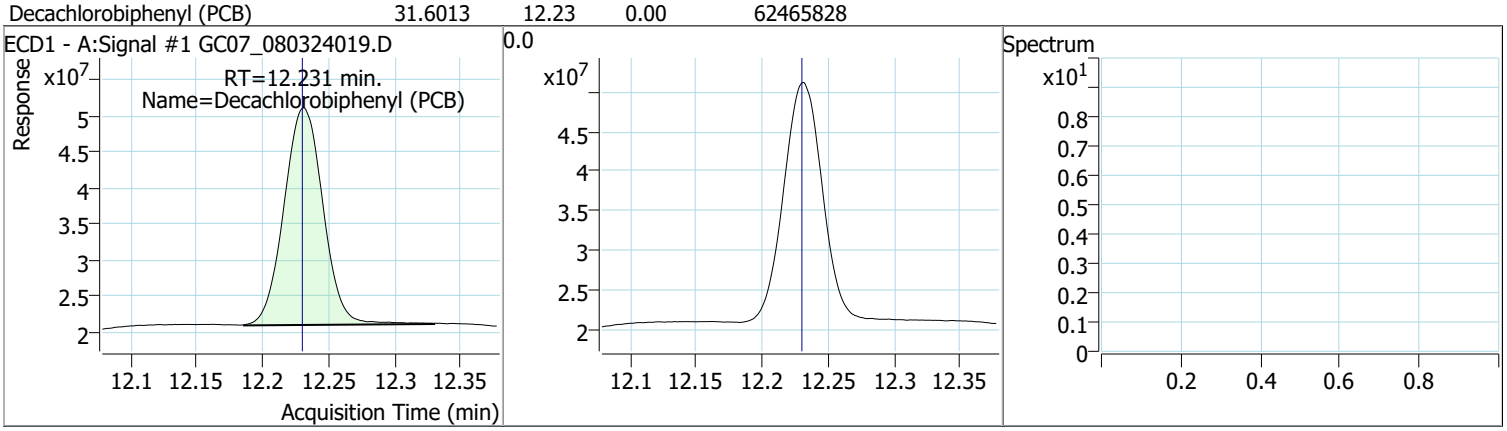
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.3595	11.13	0.01	240080				



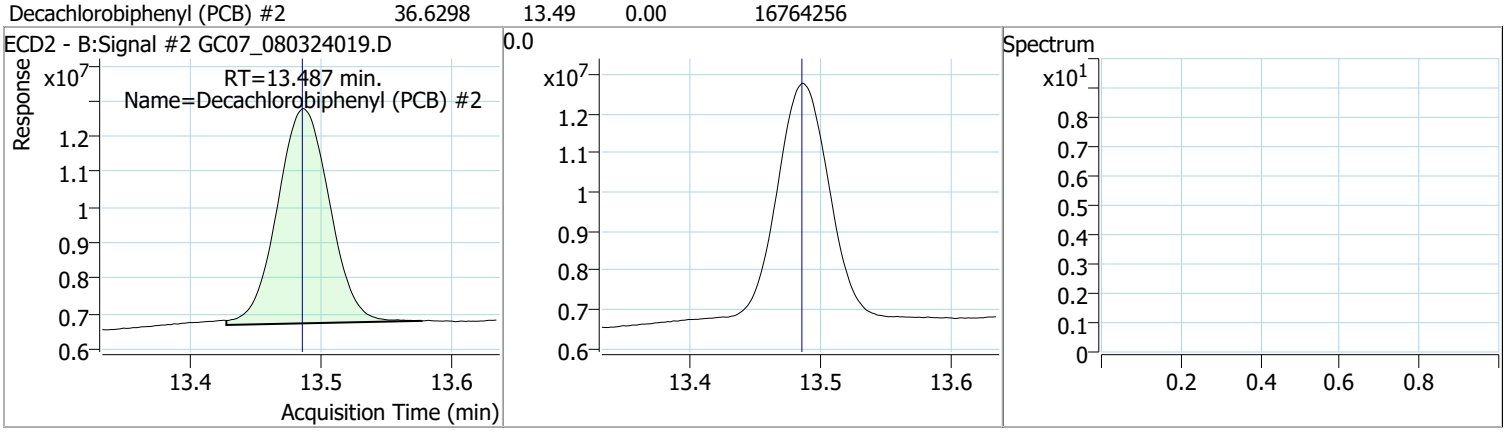
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	57.9029	11.86	0.05	1992149				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.6013	12.23	0.00	62465828				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.6298	13.49	0.00	16764256				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-011	Client ID:	DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB
Seqnum:	464311880020	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324020	Batch:	346727	Time:	03-AUG-2024 19:20
Cal:	464259633001	Caldate:	28-JUN-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	26.09	ug/L	ND	1.8	148%	0.50		u
Aroclor-1016 Peak # 1	B	22.16	ug/L	0.22	0.41	59%			
Aroclor-1016 Peak # 2	B	1.972	ug/L	0.02	0.06	105%			
Aroclor-1016 Peak # 3	B	104.9	ug/L	1.05	1.41	30%			
Aroclor-1016 Peak # 4	B	1.242	ug/L	0.01	4.92	199%			
Aroclor-1016 Peak # 5	B	0.2135	ug/L	0.00	2.01	200%			
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	23.01	ug/L	ND	0.52	77%	0.50		u
Aroclor-1260 Peak # 1	B	13.08	ug/L	0.13	1.53	169%			
Aroclor-1260 Peak # 2	B	13.94	ug/L	0.14	0.01	170%			
Aroclor-1260 Peak # 3	B	8.023	ug/L	0.08	ND				
Aroclor-1260 Peak # 4	B	42.99	ug/L	0.43	0.88	69%			
Aroclor-1260 Peak # 5	B	37.04	ug/L	0.37	0.18	70%			
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	37.76	pg/uL	0.5000	0.3776	76	19-121	u
Decachlorobiphenyl (PCB)	B	34.34	pg/uL	0.5000	0.3434	69	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	7935051	-2.30
1-bromo-2-nitrobenzene (PCB)	A	35201723	33317640	-5.35

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

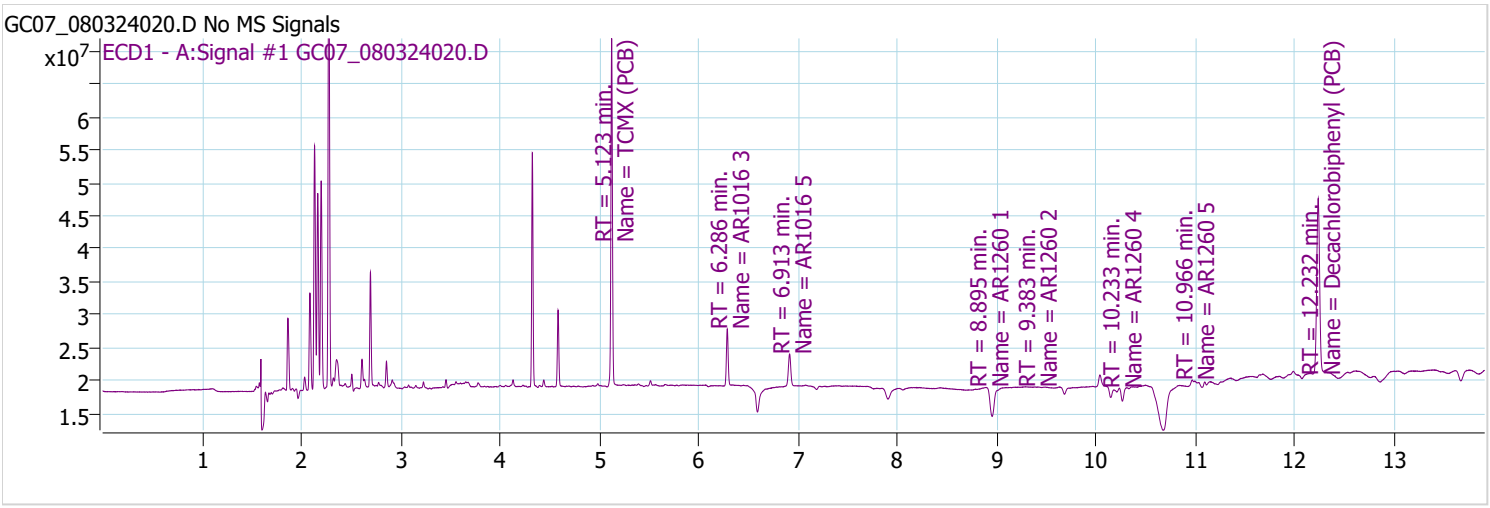
08/05/24 : SOIL/10G-10ML

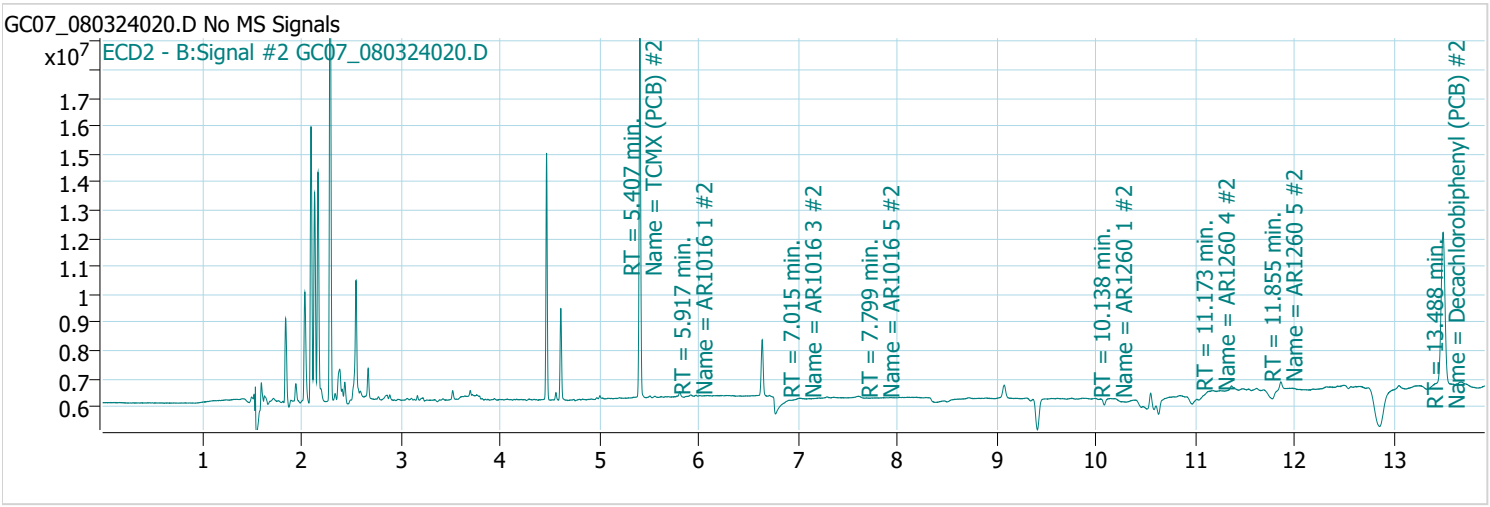
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 7:20:10 PM
Sample Name	513150-011, 346569, 1	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



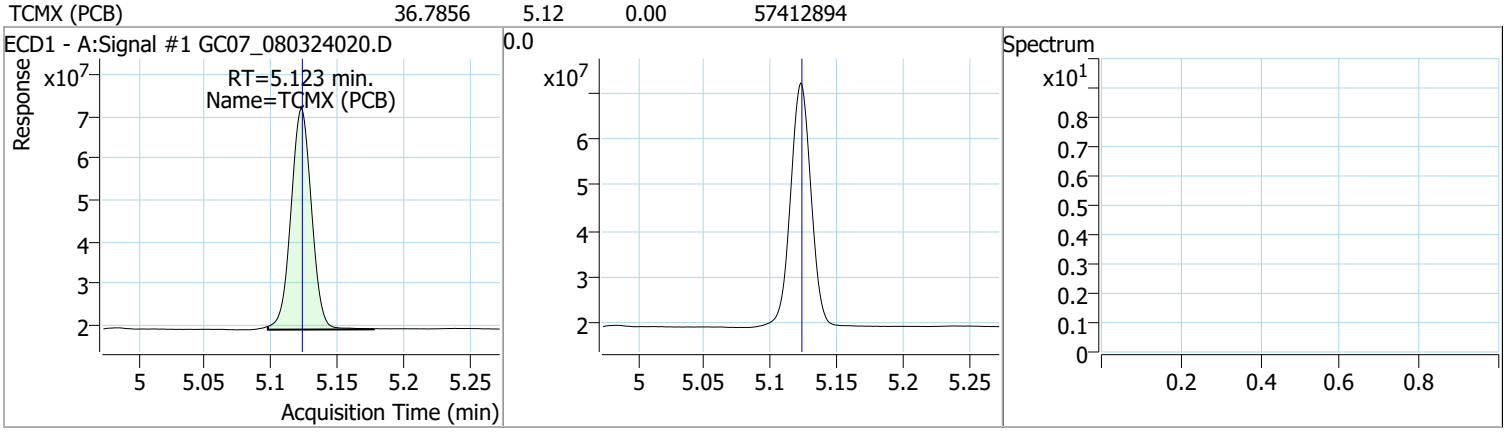


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	33317639.760	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	7935050.558	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	57412894.305	36.7856	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.93%		*	
S TCMX (PCB) #2	5.407	0.0	14370313.092	37.7565	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.78%		*	
S Decachlorobiphenyl (PCB)	12.232	0.0	57923195.594	31.5323	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.66%		*	
S Decachlorobiphenyl (PCB) #2	13.488	0.0	14887879.551	34.3440	ng/ml		0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.72%		*	
Target Compounds							QValue

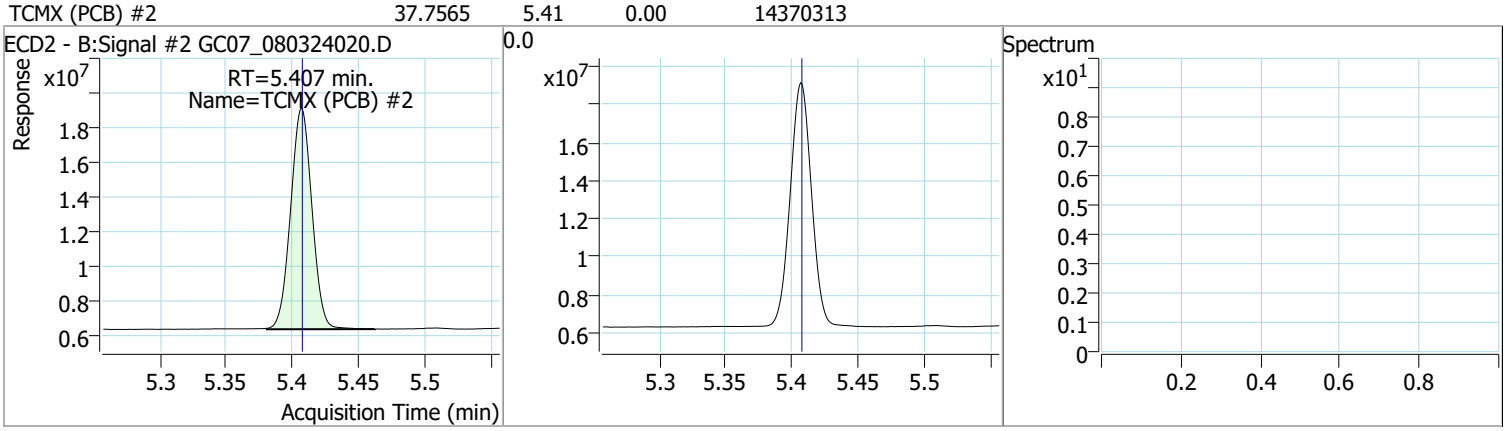
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.512	0.0	1180575.375	40.5379	ng/ml	100
T AR1016 2	5.835	0.0	385242.086	6.3676	ng/ml	100
T AR1016 1 #2	5.917	0.0	185659.705	22.1597	ng/ml	100
T AR1016 3	6.286	0.0	11033461.029	141.1712	ng/ml	100
T AR1016 2 #2	6.336	0.0	34143.211	1.9725	ng/ml	100
T AR1016 4	6.340	0.0	24889559.668	491.6523	ng/ml	100
T AR1016 3 #2	7.015	0.0	2264178.997	104.8760	ng/ml	100
T AR1016 5	6.913	0.0	8947550.342	201.0728	ng/ml	100
T AR1016 4 #2	7.112	0.0	19823.782	1.2421	ng/ml	100
T AR1016 5 #2	7.799	0.0	2755.636	0.2135	ng/ml	100
T AR1260 1	8.895	0.0	13666569.540	153.1314	ng/ml	100
T AR1260 2	9.383	0.0	156129.593	1.1454	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	10.138	0.0	300351.264	13.0833	ng/ml	100
T AR1260 2 #2	10.393	0.0	402036.781	13.9403	ng/ml	100
T AR1260 4	10.233	0.0	7492682.710	88.3691	ng/ml	100
T AR1260 3 #2	10.600	0.0	278529.631	8.0235	ng/ml	100
T AR1260 5	10.966	0.0	1814908.289	17.8754	ng/ml	100
T AR1260 4 #2	11.173	0.0	943617.226	42.9878	ng/ml	100
T AR1260 5 #2	11.855	0.0	1206955.061	37.0372	ng/ml	100

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

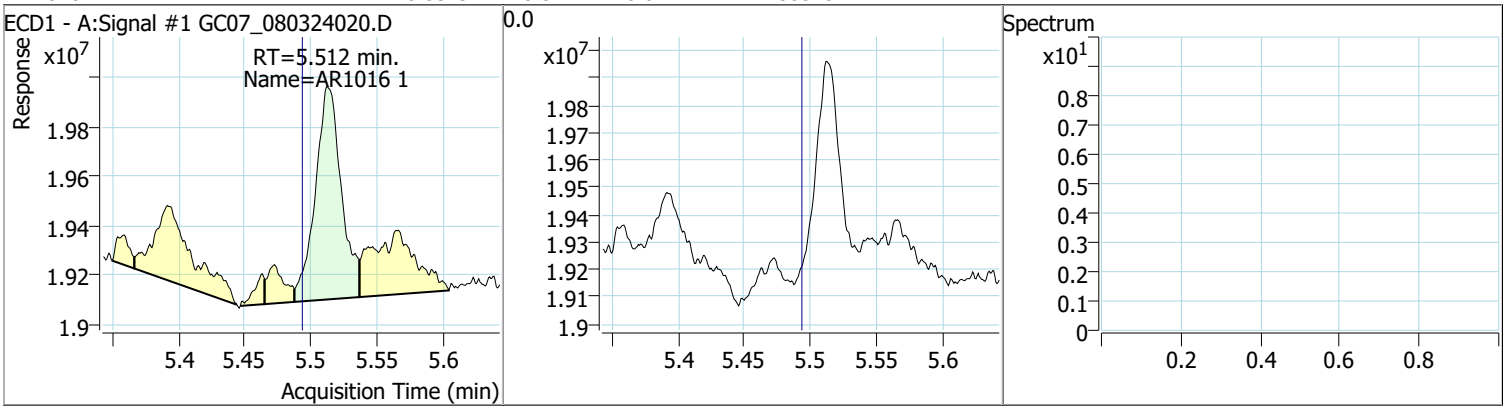
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.7856	5.12	0.00	57412894				



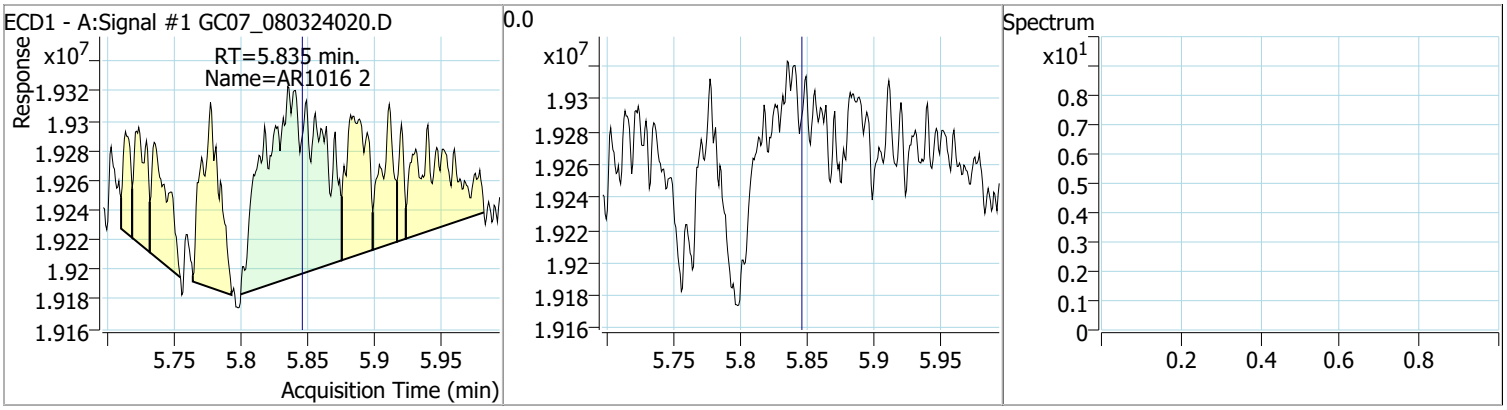
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.7565	5.41	0.00	14370313				



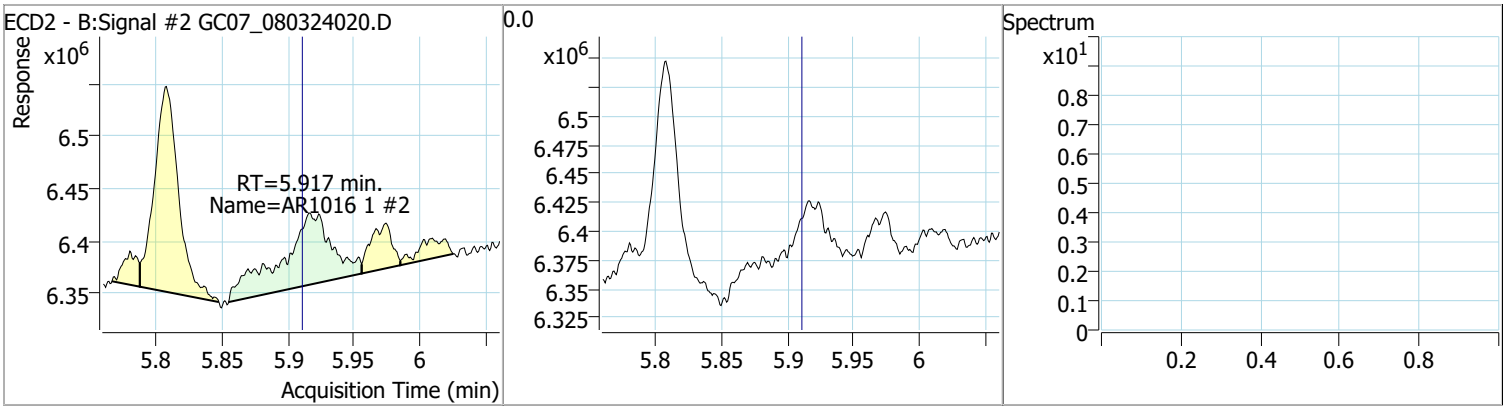
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	40.5379	5.51	0.02	1180575				



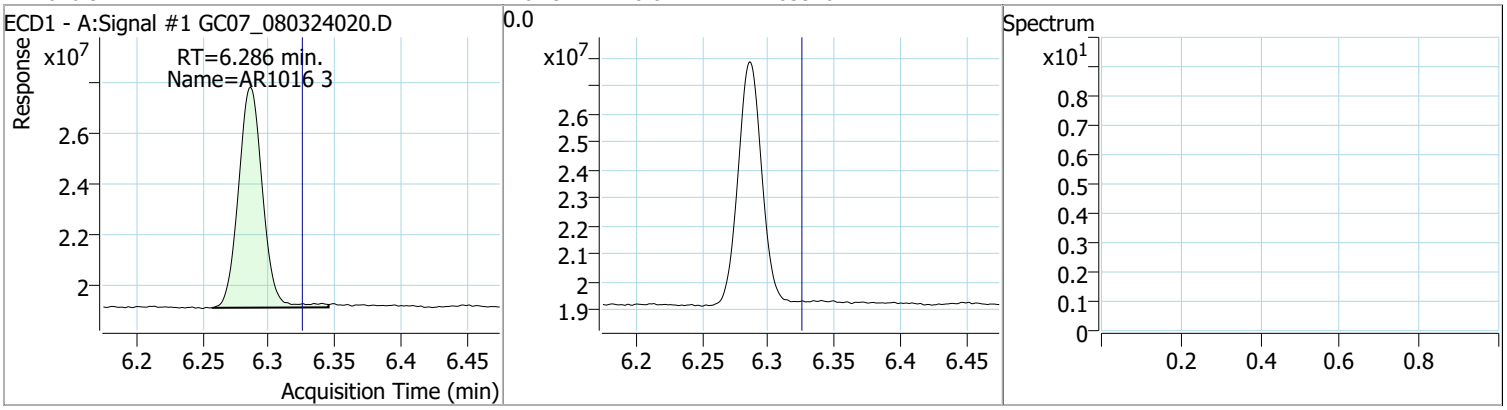
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.3676	5.84	-0.01	385242				



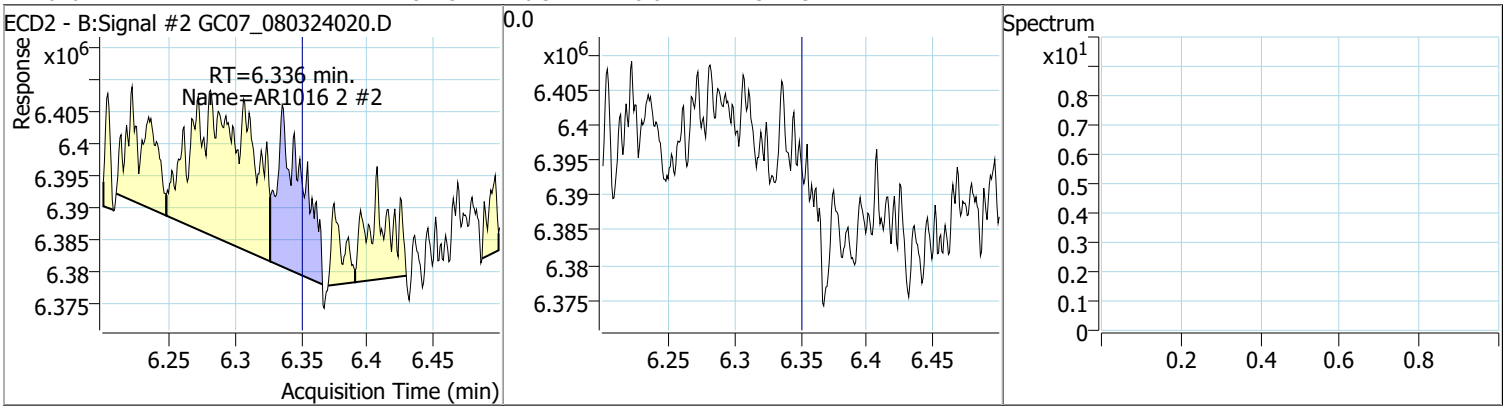
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.1597	5.92	0.01	185660				



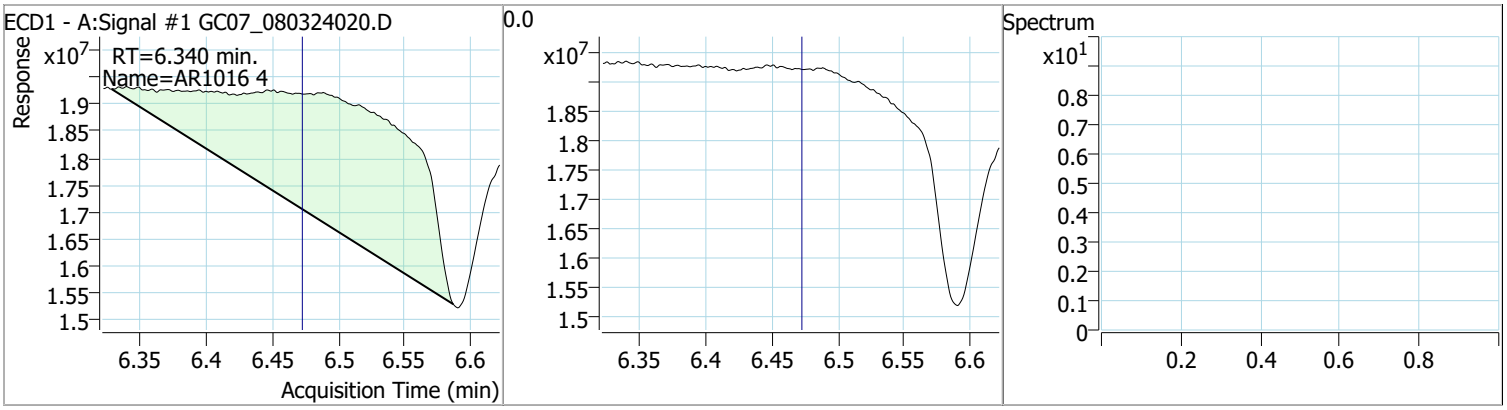
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AR1016 3	141.1712	6.29	-0.04	11033461				



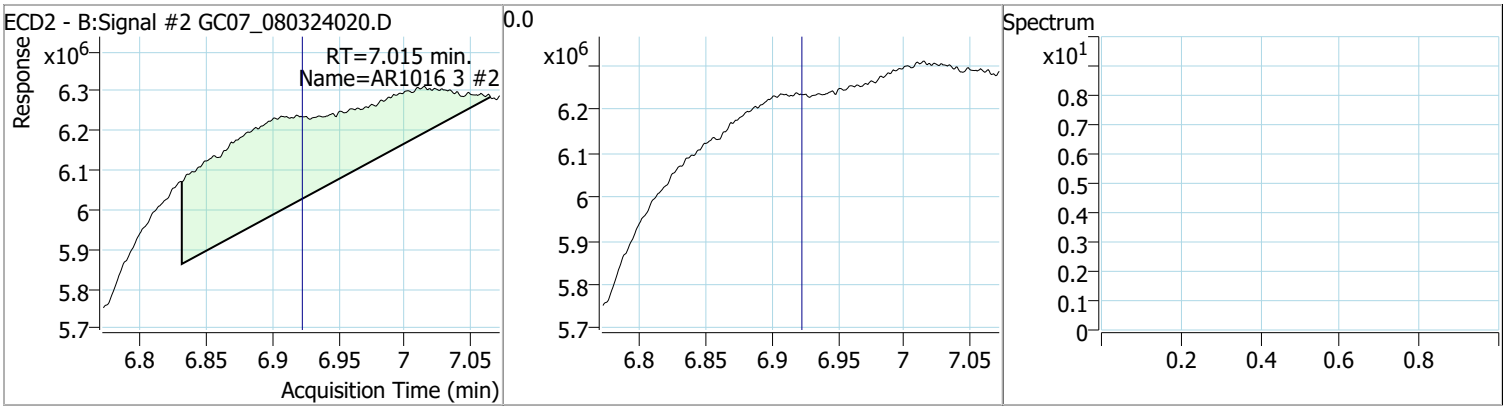
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.9725	6.34	-0.01	34143				



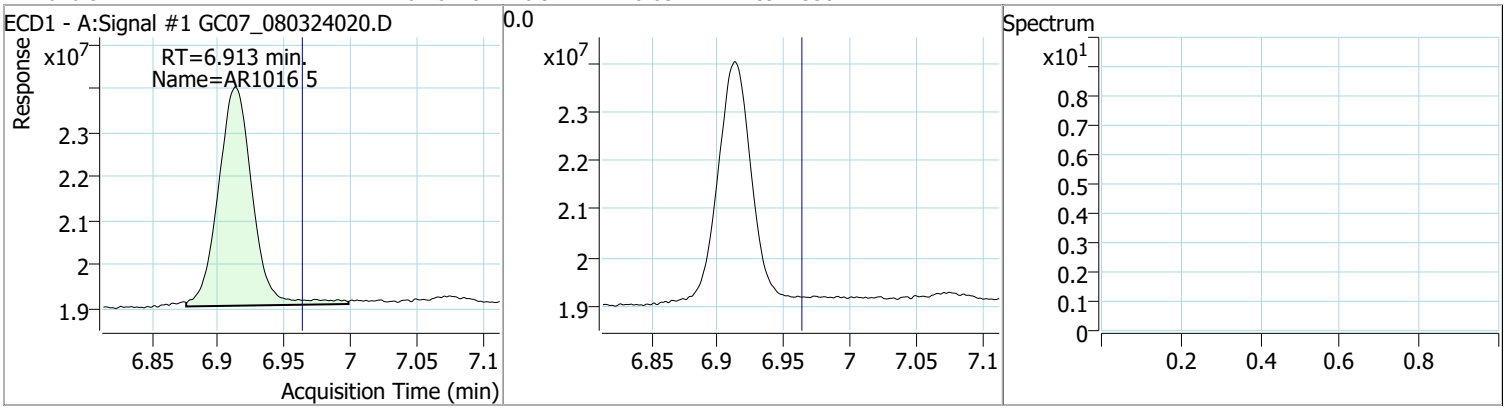
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	491.6523	6.34	-0.13	24889560				



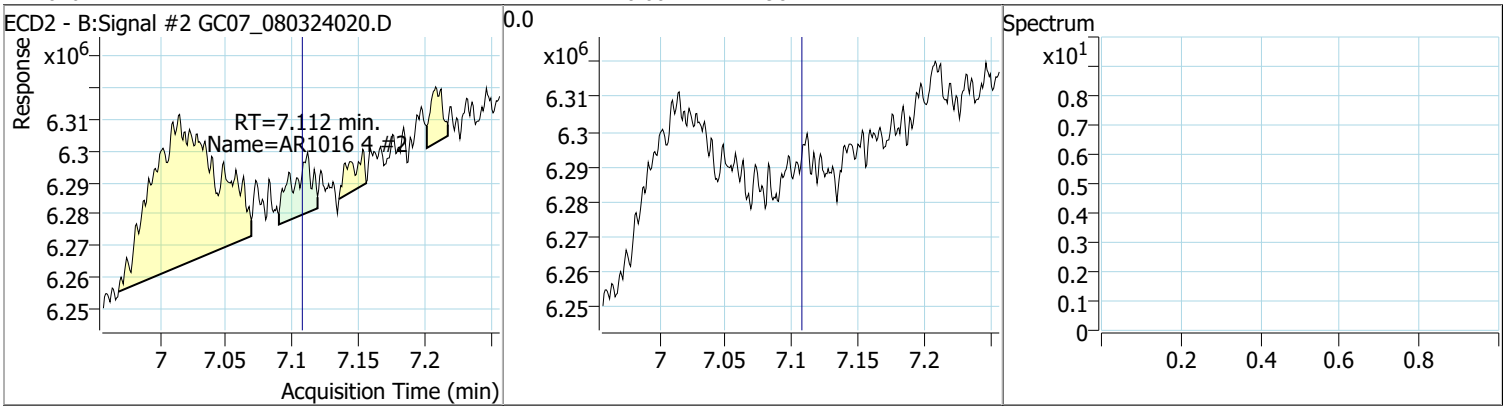
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	104.8760	7.02	0.09	2264179				



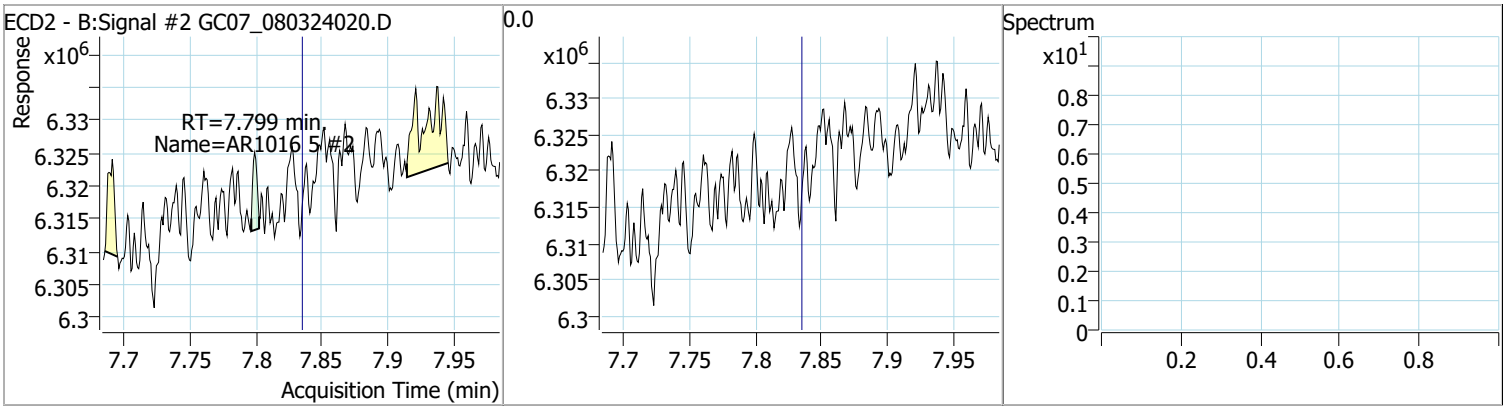
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	201.0728	6.91	-0.05	8947550				



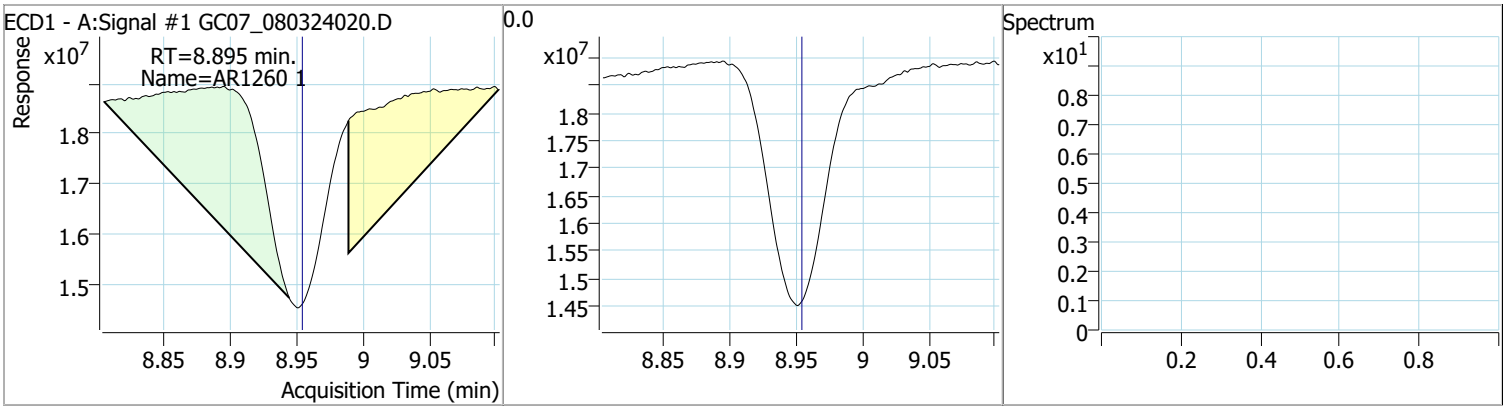
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AR1016 4 #2	1.2421	7.11	0.00	19824				



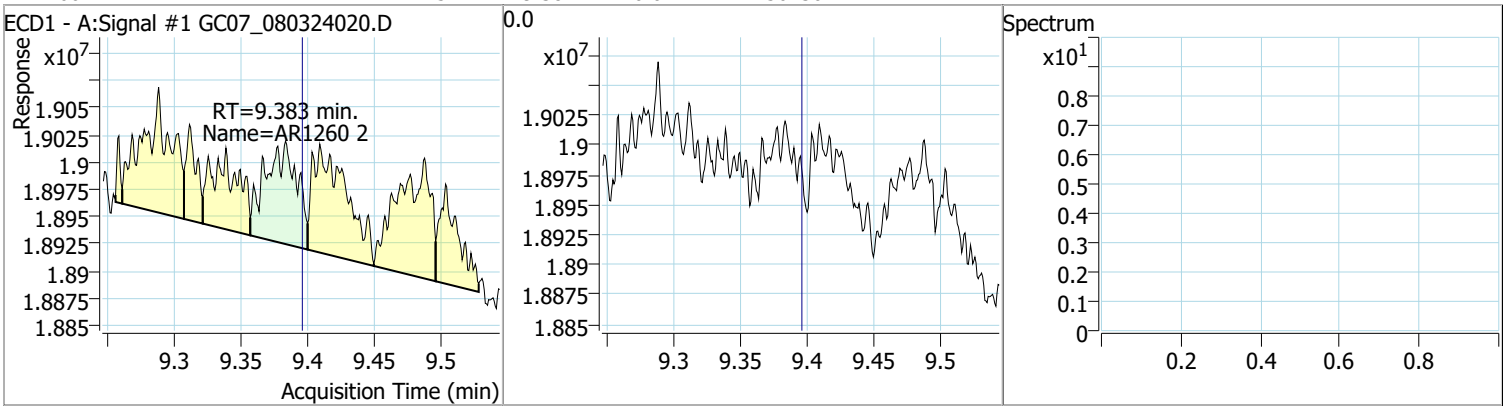
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AR1016 5 #2	0.2135	7.80	-0.04	2756				



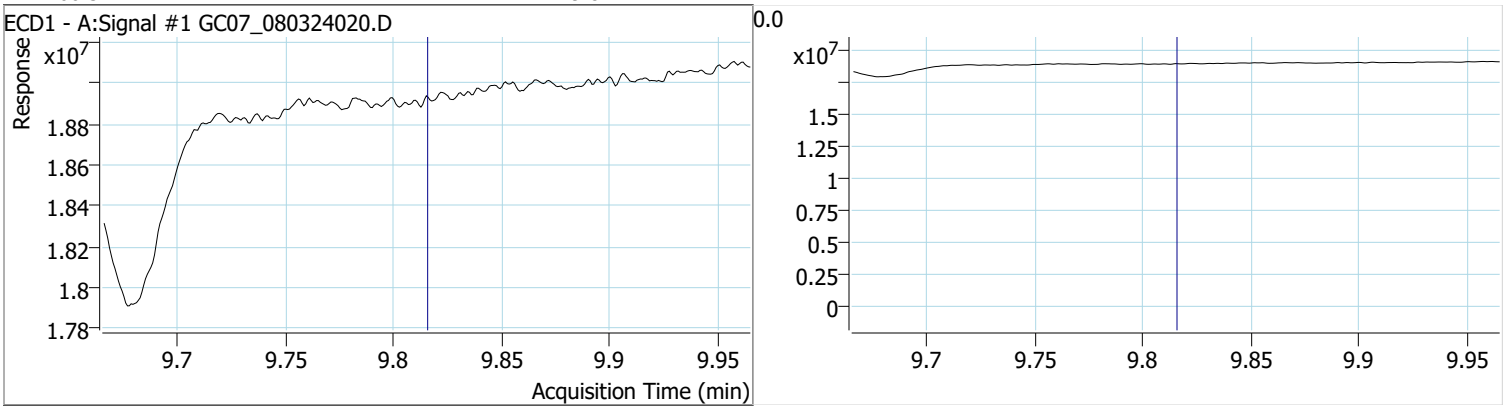
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	153.1314	8.90	-0.06	13666570				



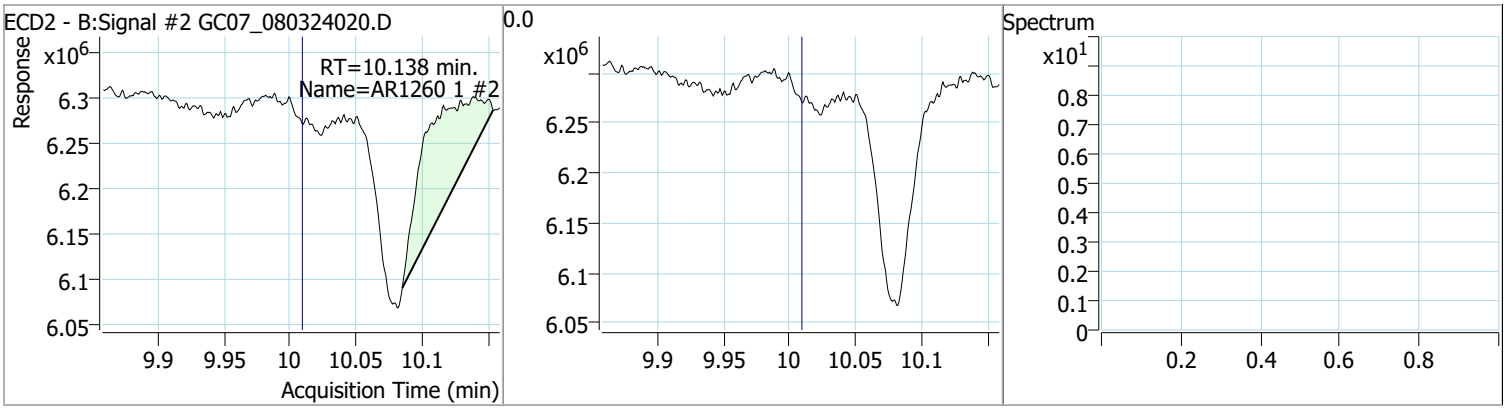
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.1454	9.38	-0.01	156130				



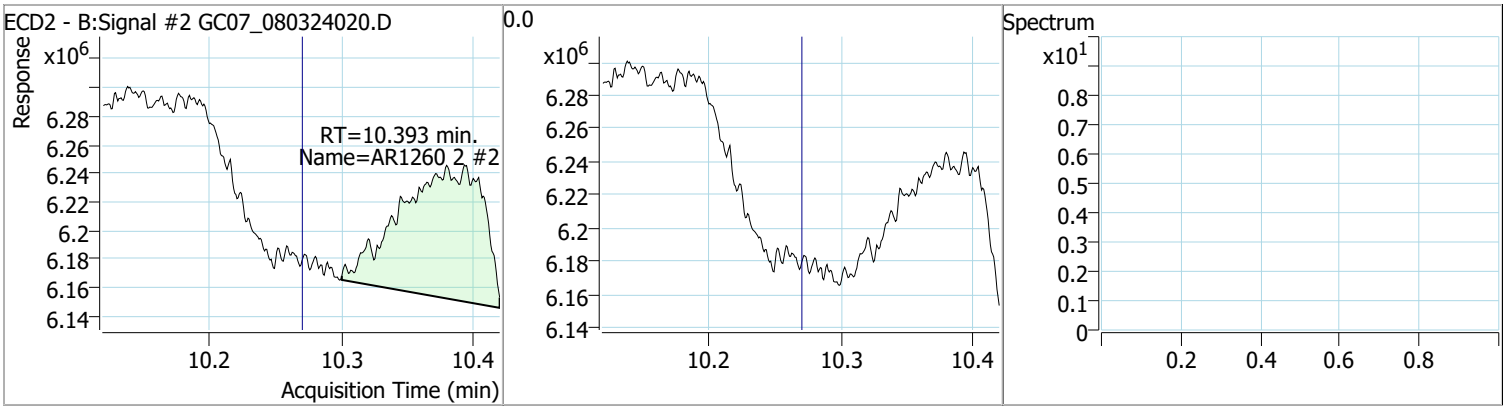
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.82		



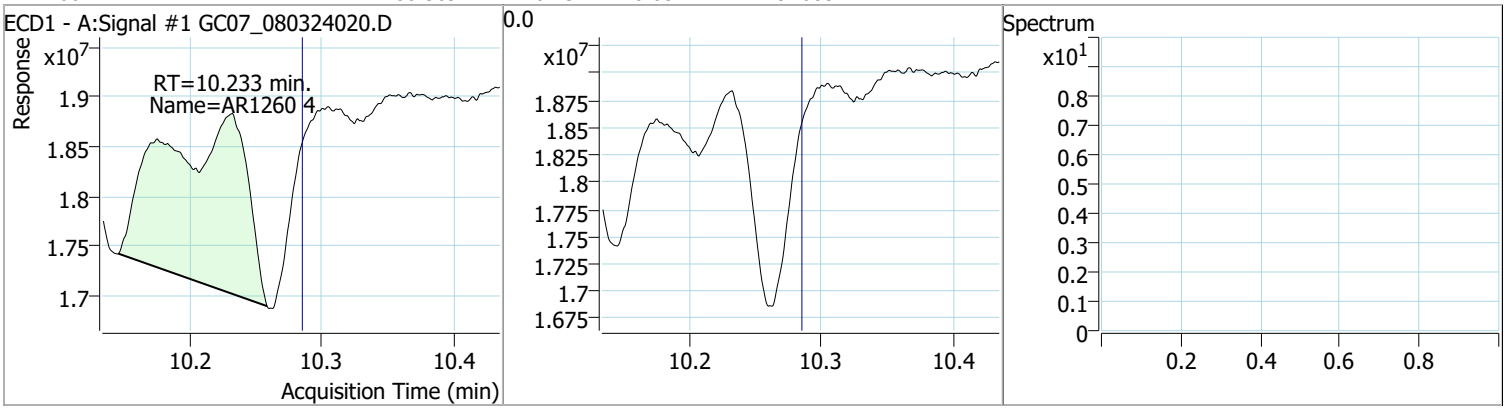
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.0833	10.14	0.13	300351				



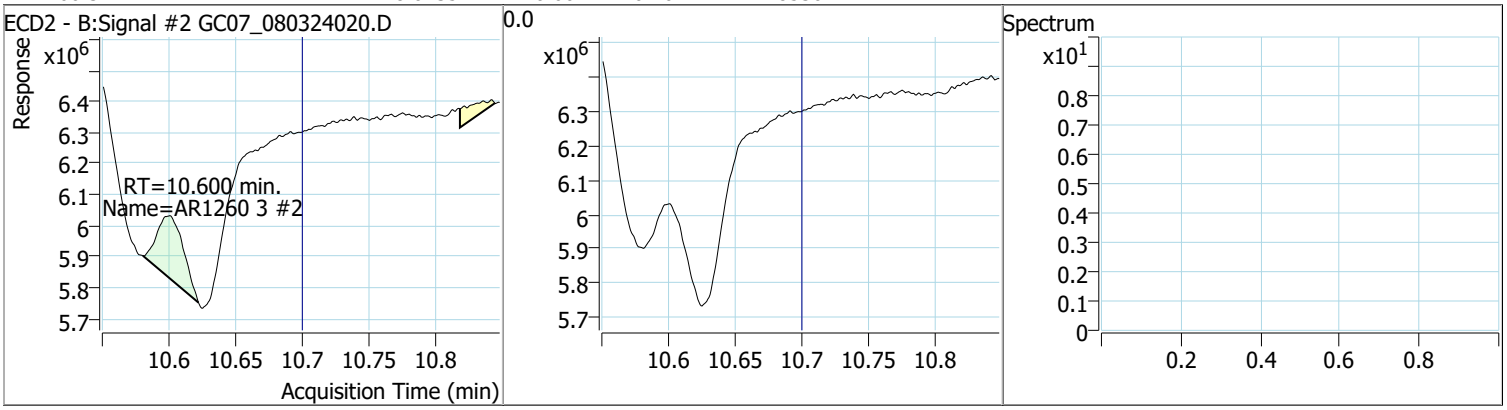
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	13.9403	10.39	0.12	402037				



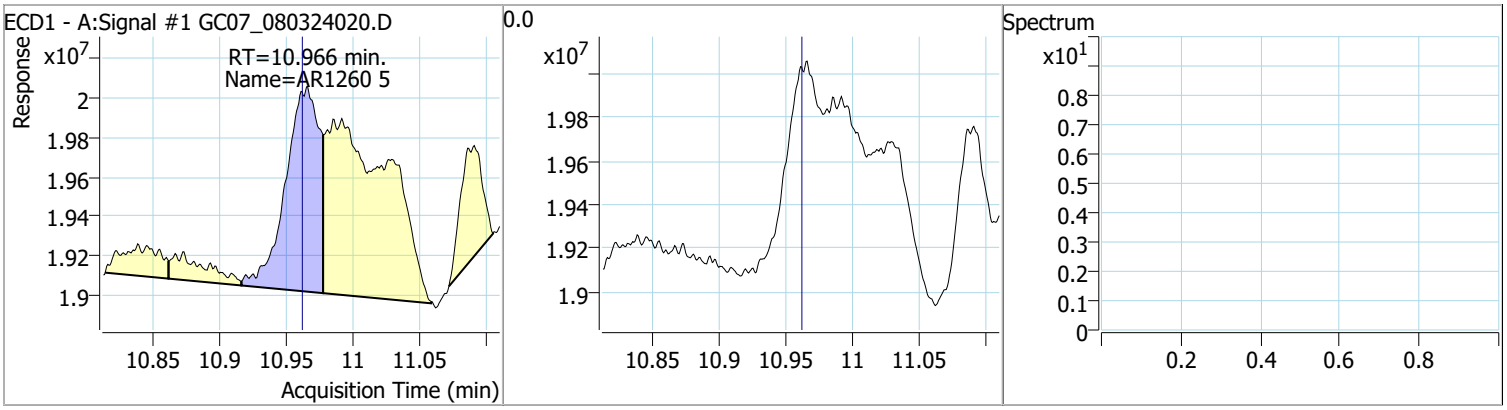
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	88.3691	10.23	-0.05	7492683				



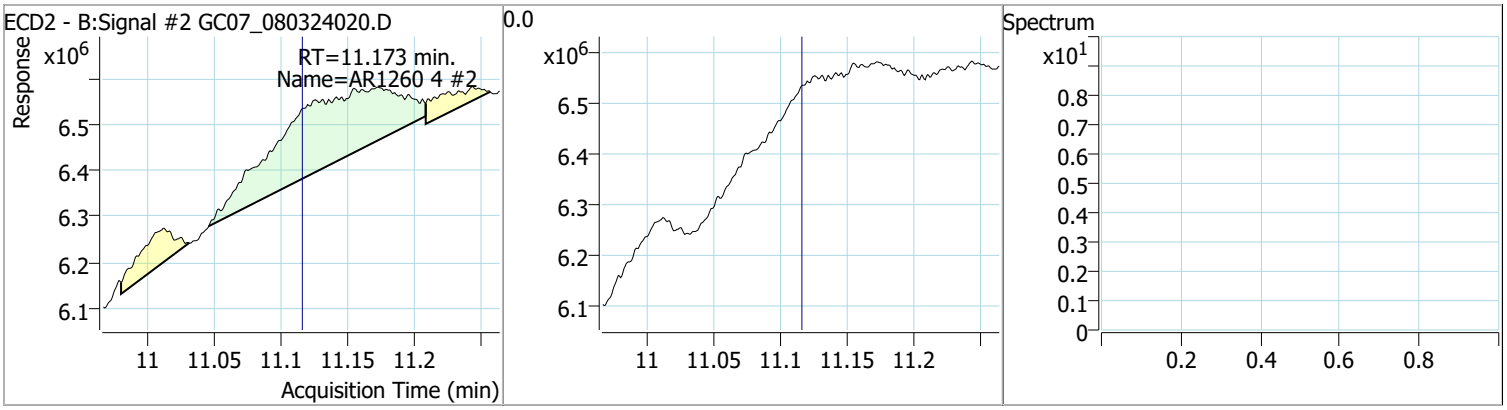
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AR1260 3 #2	8.0235	10.60	-0.10	278530				



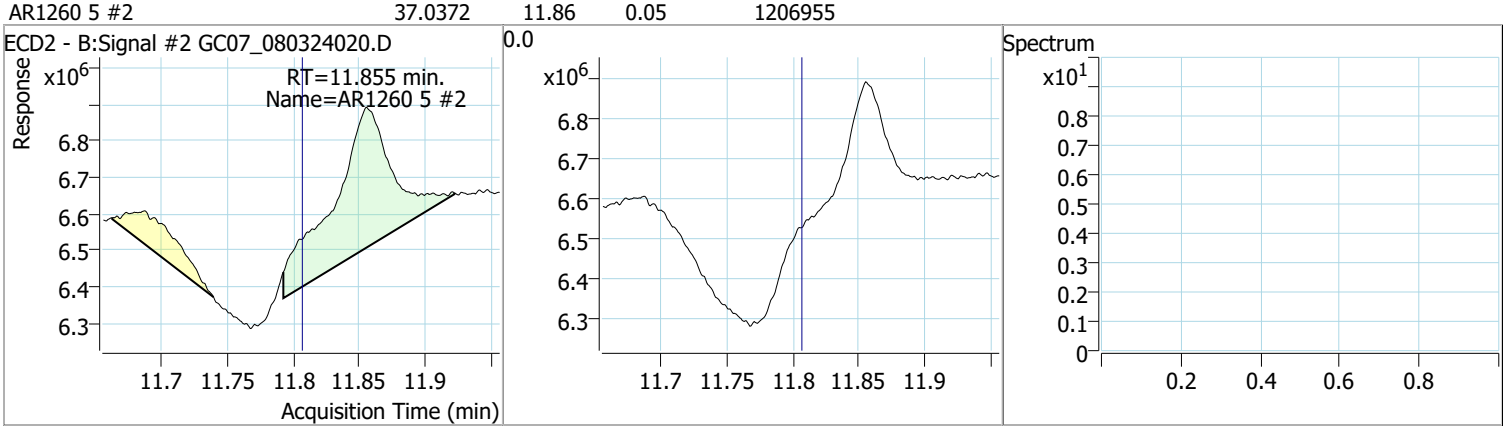
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	17.8754	10.97	0.00	1814908				



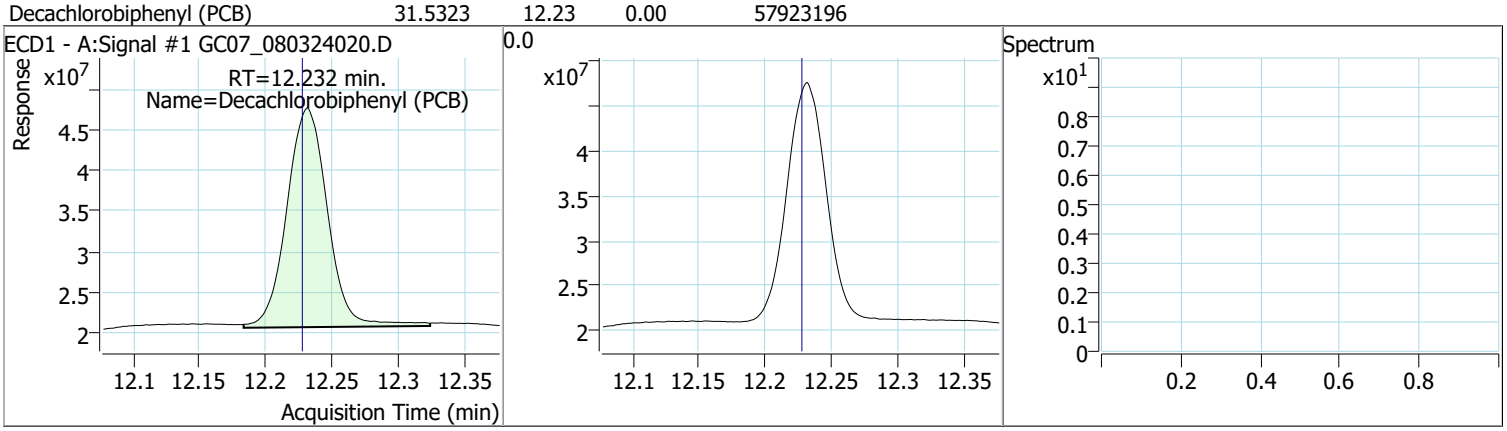
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	42.9878	11.17	0.06	943617				



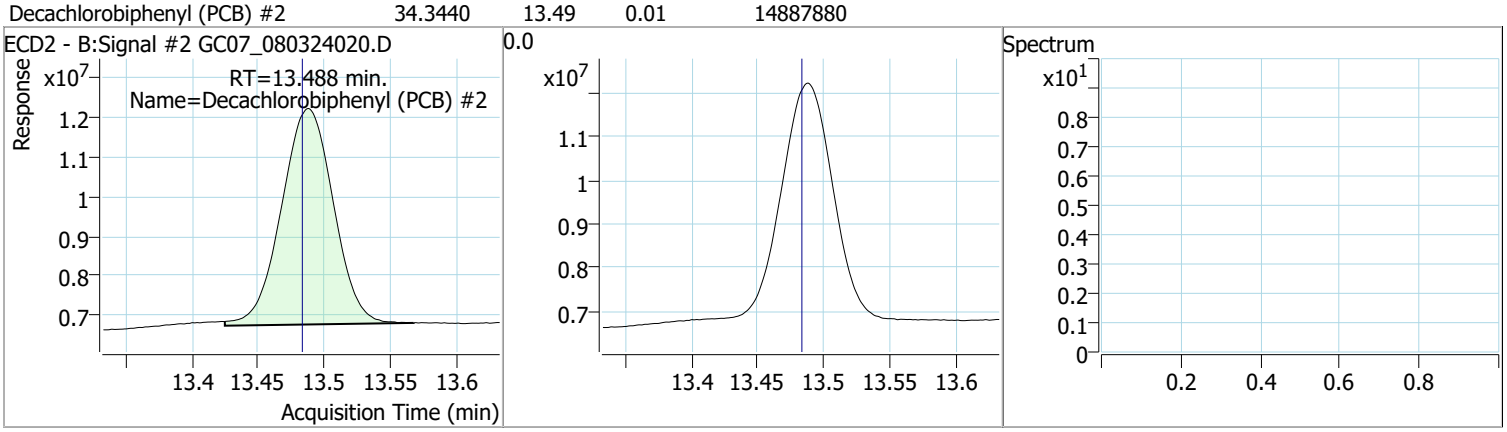
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	37.0372	11.86	0.05	1206955				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.5323	12.23	0.00	57923196				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.3440	13.49	0.01	14887880				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	513150-013	Client ID:	240731-P-FIELDBLANK1-HO
Seqnum:	464311880021	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_080324021	Batch:	346727	Time:	03-AUG-2024 19:37
Cal:	464259633001	Caldate:	28-JUN-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	41.96	ug/L	ND	1.9	127%	0.50		u
Aroclor-1016 Peak # 1	B	12.08	ug/L	0.12	0.35	97%			
Aroclor-1016 Peak # 2	B	2.113	ug/L	0.02	0.10	129%			
Aroclor-1016 Peak # 3	B	194.3	ug/L	1.94	ND	229%			
Aroclor-1016 Peak # 4	B	0	ug/L	ND	7.02				
Aroclor-1016 Peak # 5	B	1.329	ug/L	0.01	2.03	197%			
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	42.79	ug/L	ND	0.65	41%	0.50		u
Aroclor-1260 Peak # 1	B	45.78	ug/L	0.46	1.63	112%			
Aroclor-1260 Peak # 2	B	10.13	ug/L	0.10	0.01	151%			
Aroclor-1260 Peak # 3	B	84.29	ug/L	0.84	0.07	170%			
Aroclor-1260 Peak # 4	B	38.59	ug/L	0.39	1.04	92%			
Aroclor-1260 Peak # 5	B	35.16	ug/L	0.35	0.49	32%			
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	39.30	pg/uL	0.5000	0.3930	79	19-121	u
Decachlorobiphenyl (PCB)	B	36.88	pg/uL	0.5000	0.3688	74	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	7266194	-10.53
1-bromo-2-nitrobenzene (PCB)	A	35201723	30534210	-13.26

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

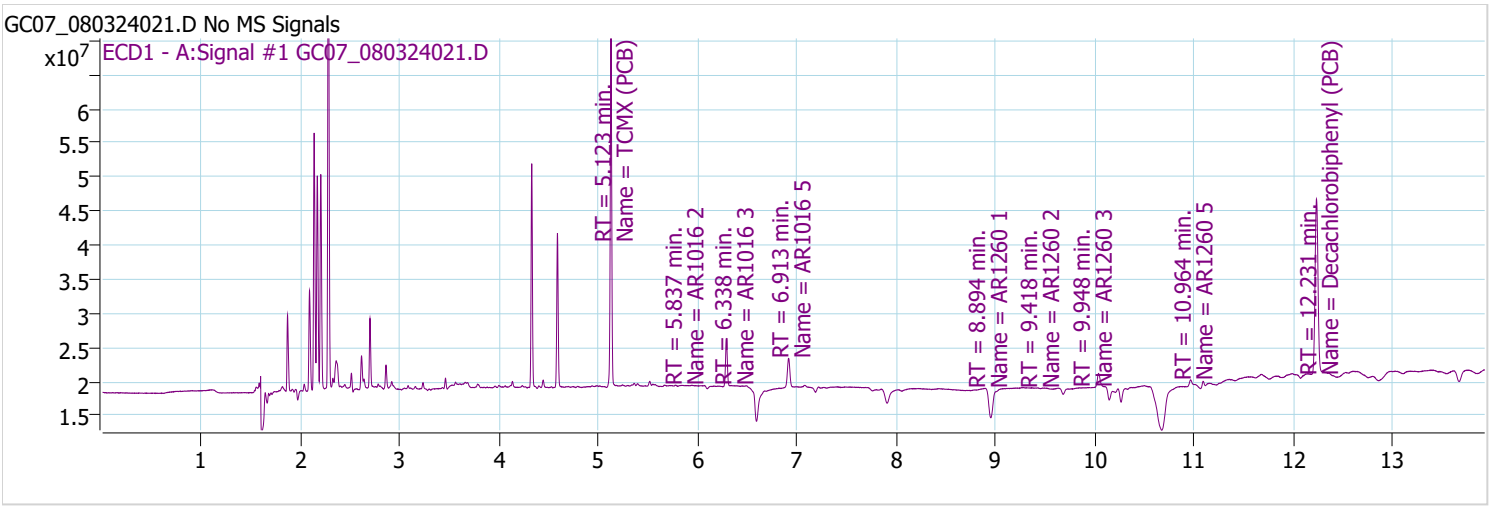
08/05/24 : SOIL/10G-10ML

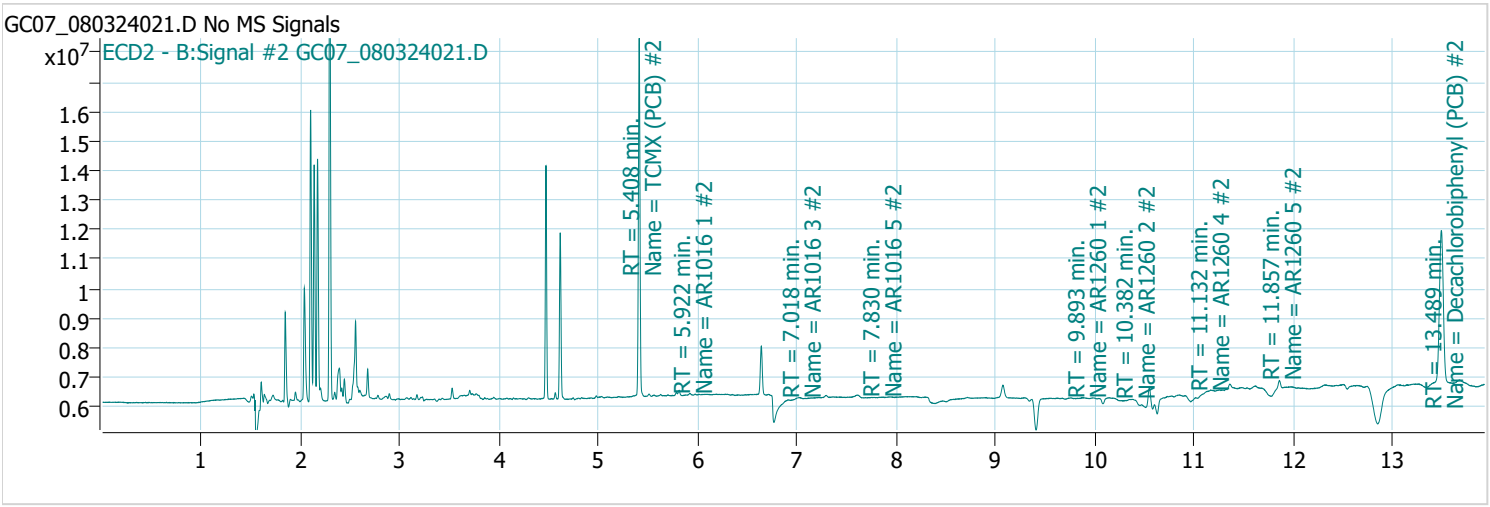
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 7:37:42 PM
Sample Name	513150-013, 346569, 1	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



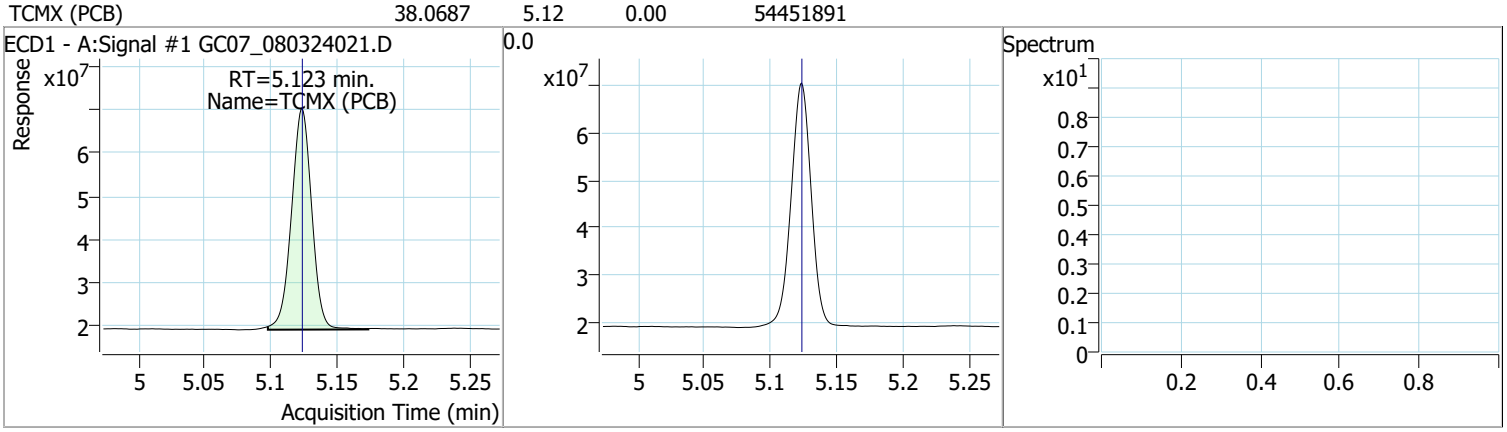


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	30534209.699	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	7266193.655	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	54451891.487	38.0687	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.34%		*	
S TCMX (PCB) #2	5.408	0.0	13697831.309	39.3025	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.51%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	55942290.268	33.2301	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.15%		*	
S Decachlorobiphenyl (PCB) #2	13.489	0.0	14640168.307	36.8814	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.41%		*	
Target Compounds							QValue

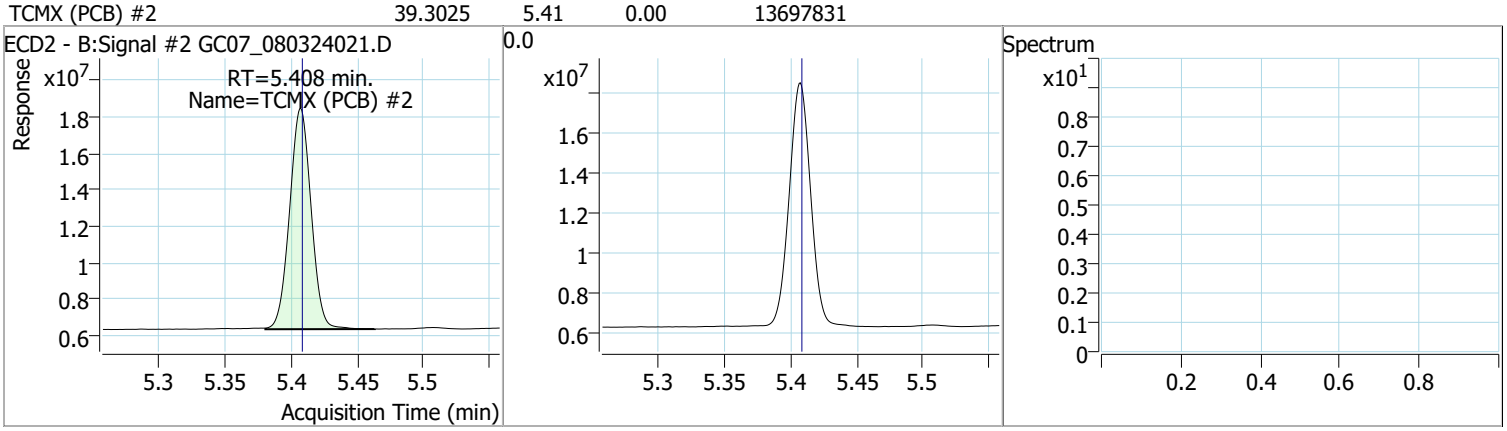
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.513	0.0	925233.193	34.6662	ng/ml	100
T AR1016 2	5.837	0.0	539852.699	9.7366	ng/ml	100
T AR1016 1 #2	5.922	0.0	92688.916	12.0814	ng/ml	100
T AR1016 3	6.338	0.0	562801.072	0.0000	ng/ml	100
T AR1016 2 #2	6.345	0.0	33490.853	2.1129	ng/ml	100
T AR1016 4	6.338	0.0	32580355.156	702.2378	ng/ml	100
T AR1016 3 #2	7.018	0.0	3840673.301	194.2743	ng/ml	100
T AR1016 5	6.913	0.0	8287937.591	203.2278	ng/ml	100
T AR1016 4 #2	0.000		0	N.D.		
T AR1016 5 #2	7.830	0.0	15706.939	1.3289	ng/ml	100
T AR1260 1	8.894	0.0	13320338.514	162.8574	ng/ml	100
T AR1260 2	9.418	0.0	177043.632	1.4173	ng/ml	100
T AR1260 3	9.948	0.0	930737.508	6.9248	ng/ml	100
T AR1260 1 #2	9.893	0.0	962369.899	45.7798	ng/ml	100
T AR1260 2 #2	10.382	0.0	267460.437	10.1277	ng/ml	100
T AR1260 4	10.230	0.0	8056987.648	103.6868	ng/ml	100
T AR1260 3 #2	10.767	0.0	2679575.288	84.2944	ng/ml	100
T AR1260 5	10.964	0.0	4521820.473	48.5962	ng/ml	100
T AR1260 4 #2	11.132	0.0	775708.000	38.5914	ng/ml	100
T AR1260 5 #2	11.857	0.0	1049318.097	35.1639	ng/ml	100

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

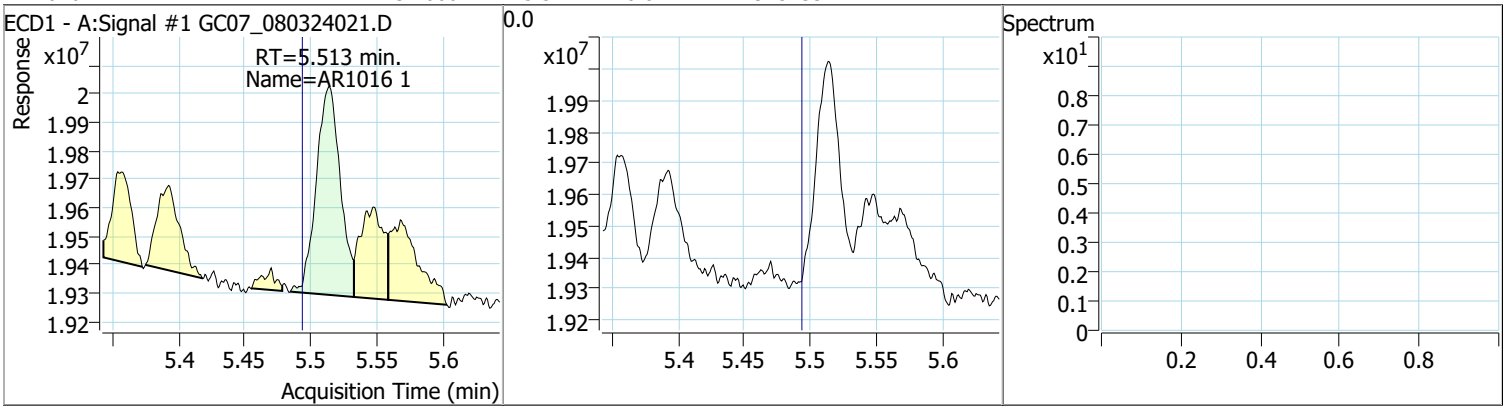
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.0687	5.12	0.00	54451891				



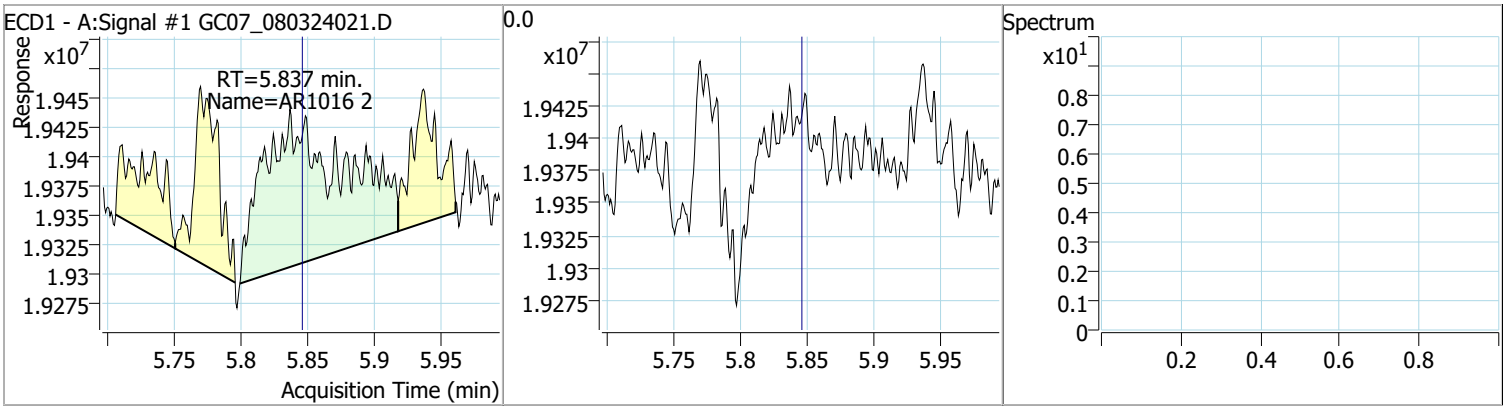
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3025	5.41	0.00	13697831				



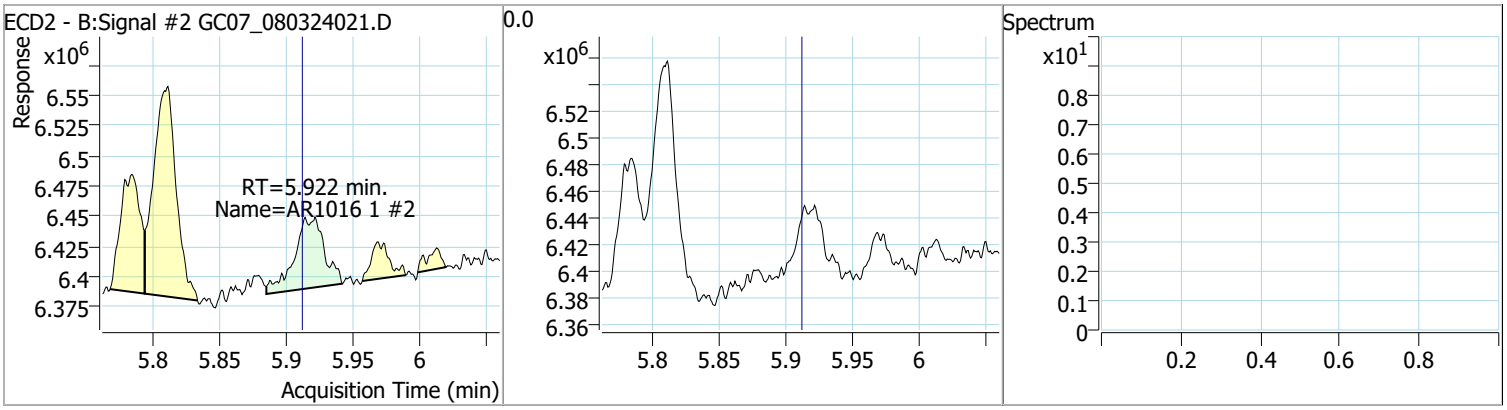
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.6662	5.51	0.02	925233				



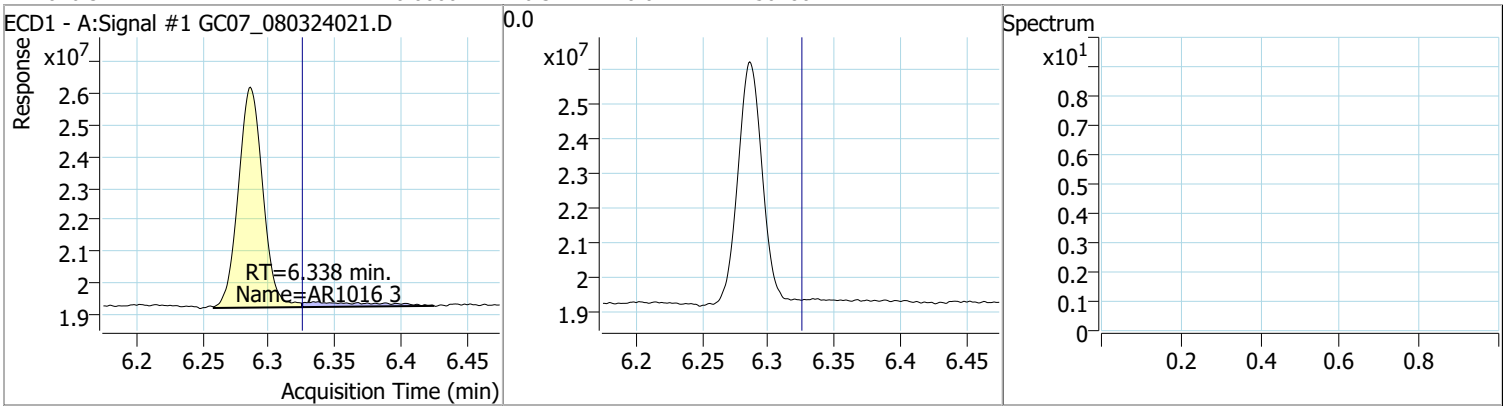
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	9.7366	5.84	-0.01	539853				



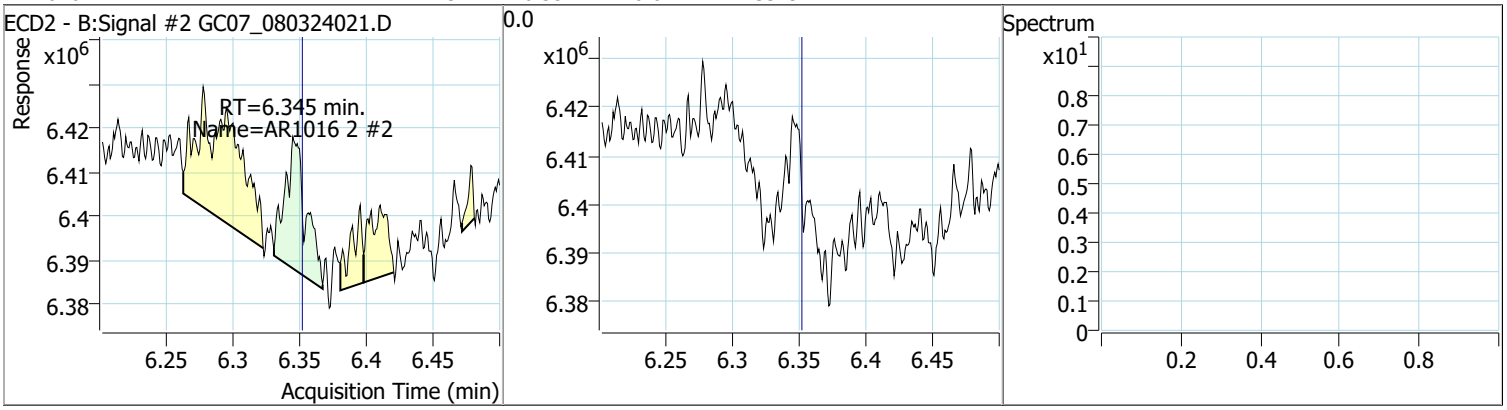
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	12.0814	5.92	0.01	92689				



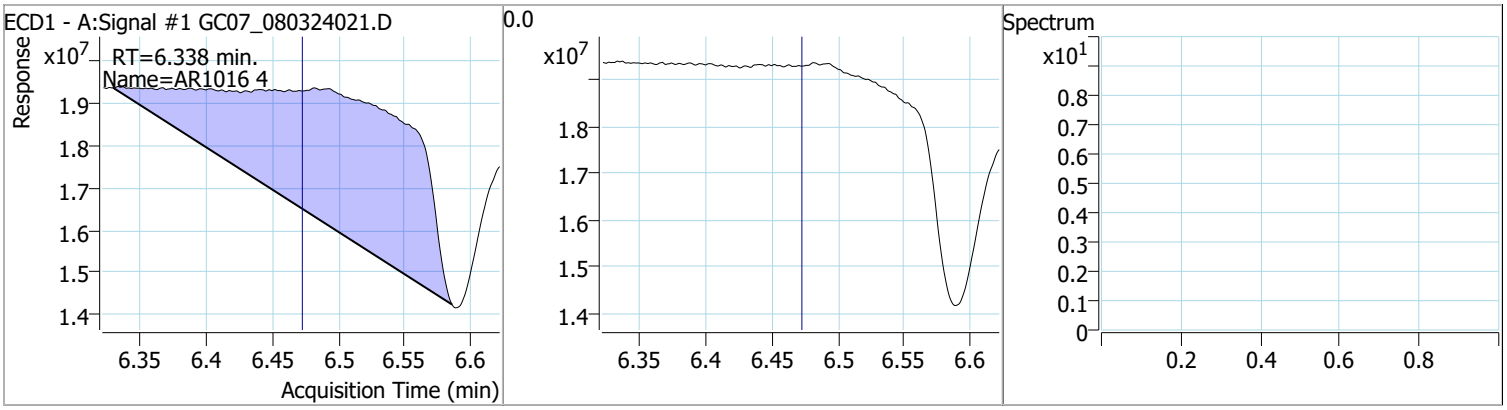
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.34	0.01	562801				



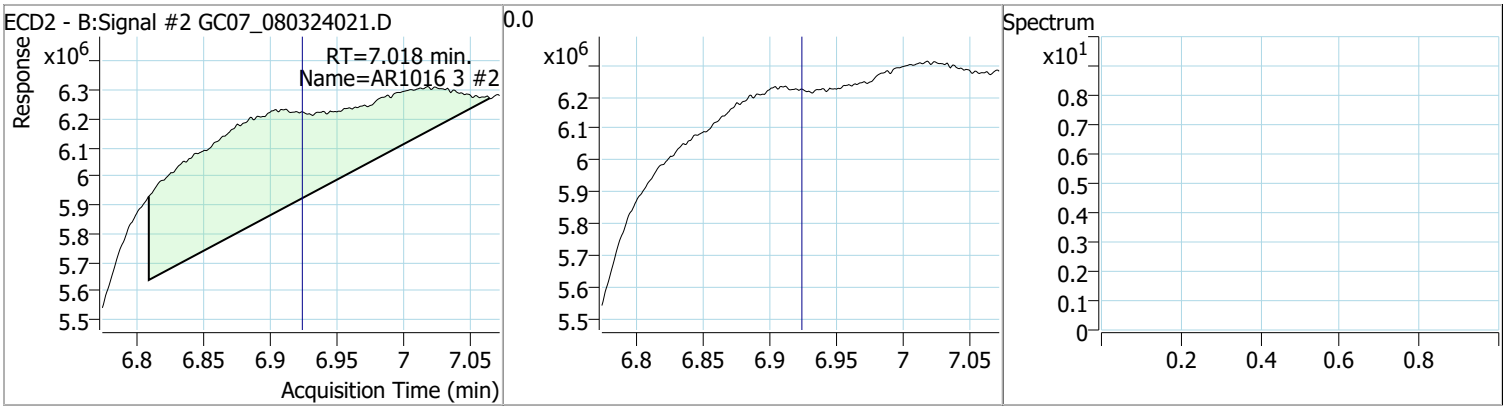
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.1129	6.35	-0.01	33491				



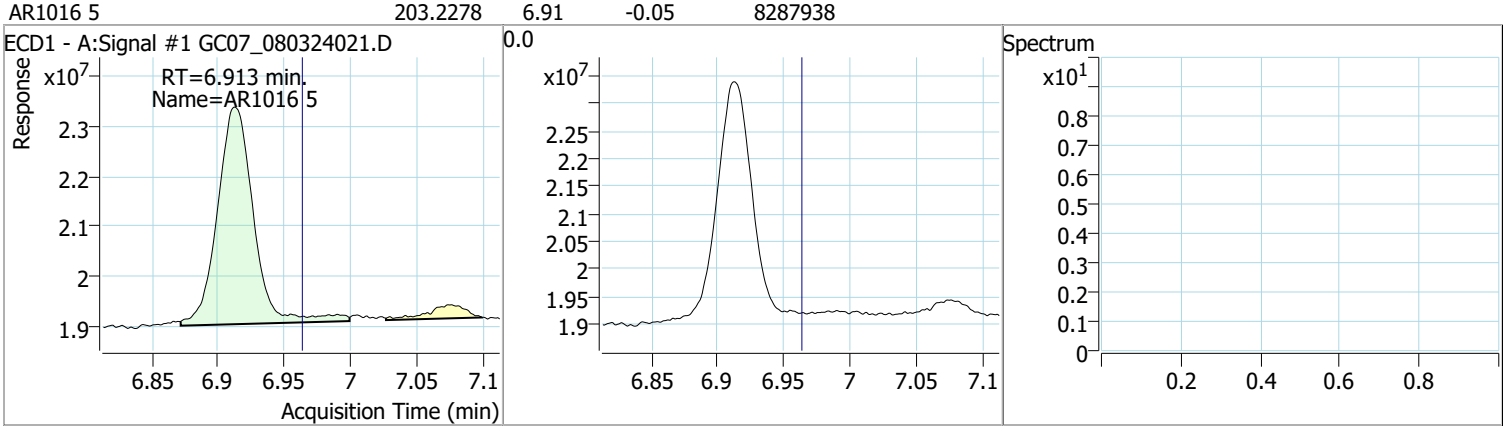
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	702.2378	6.34	-0.13	32580355				



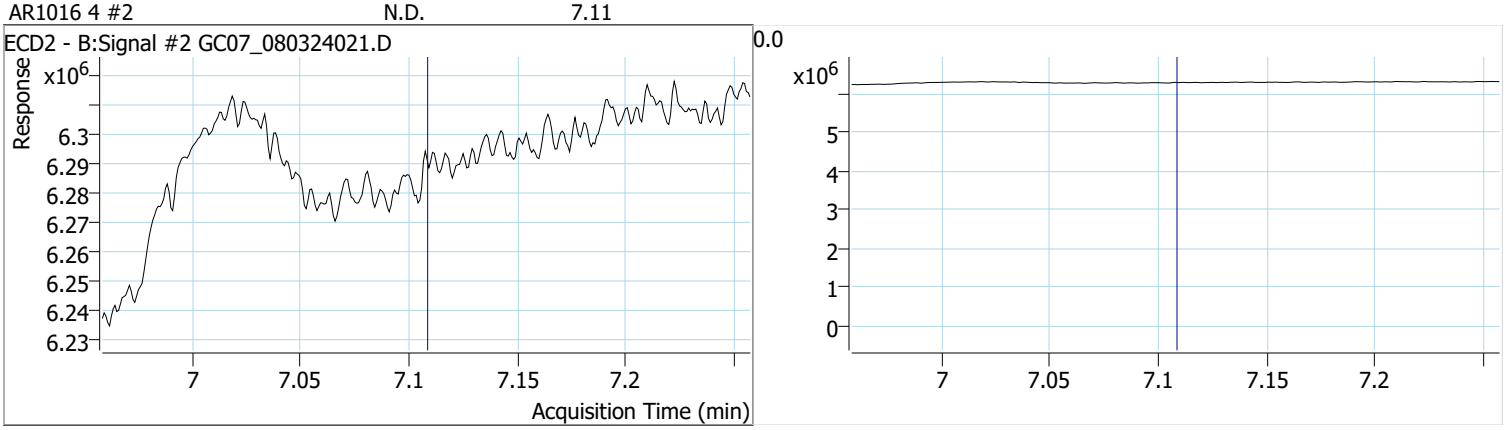
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	194.2743	7.02	0.10	3840673				



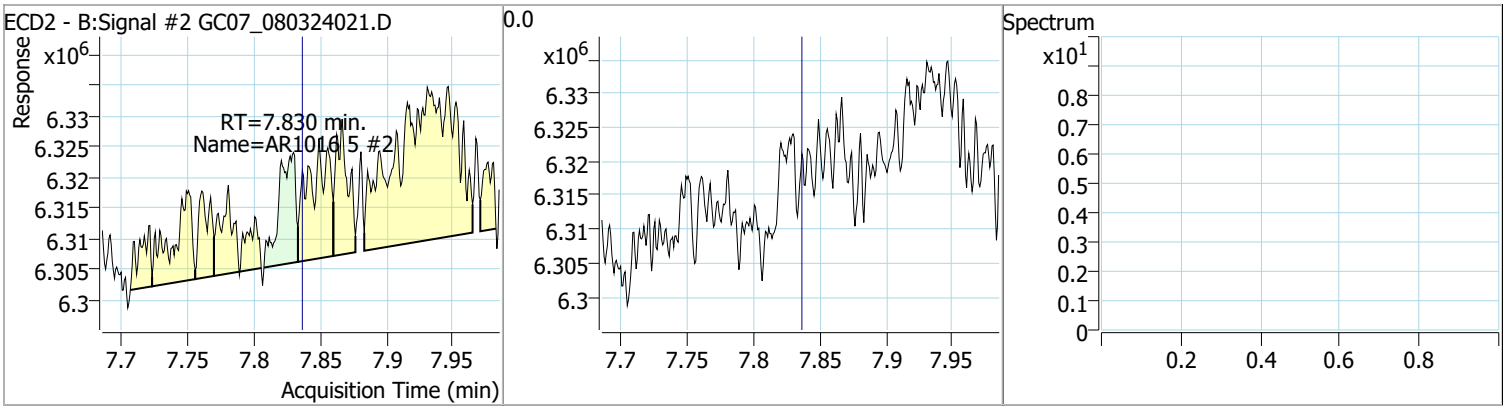
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	203.2278	6.91	-0.05	8287938				



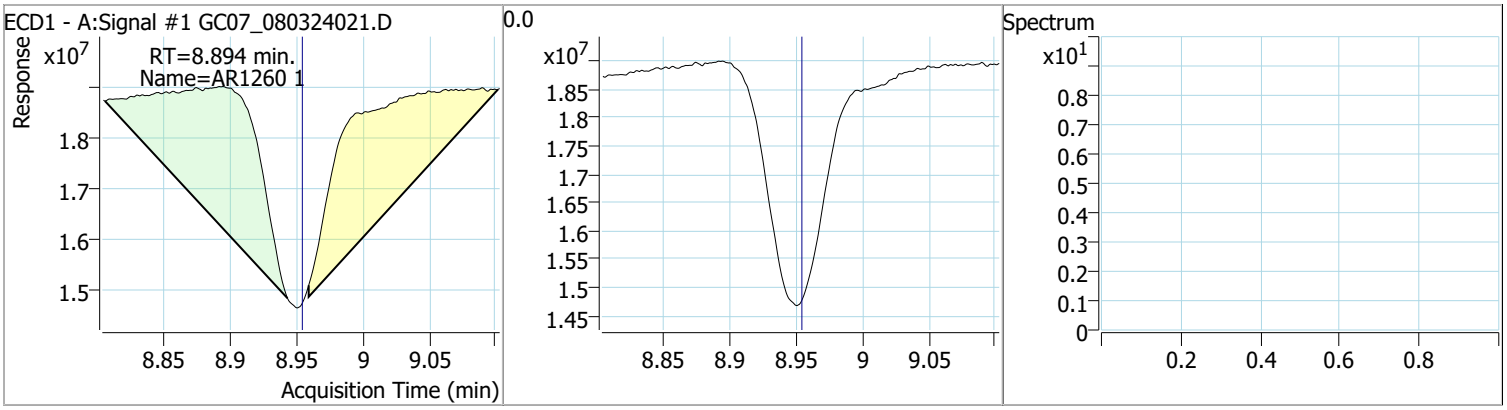
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4 #2	N.D.	7.11		



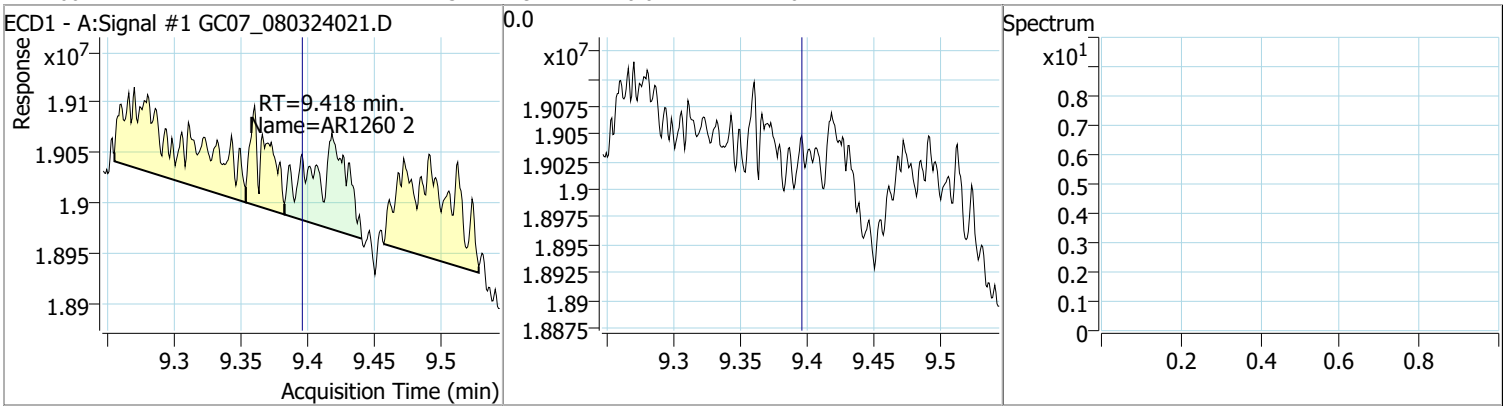
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.3289	7.83	0.00	15707				



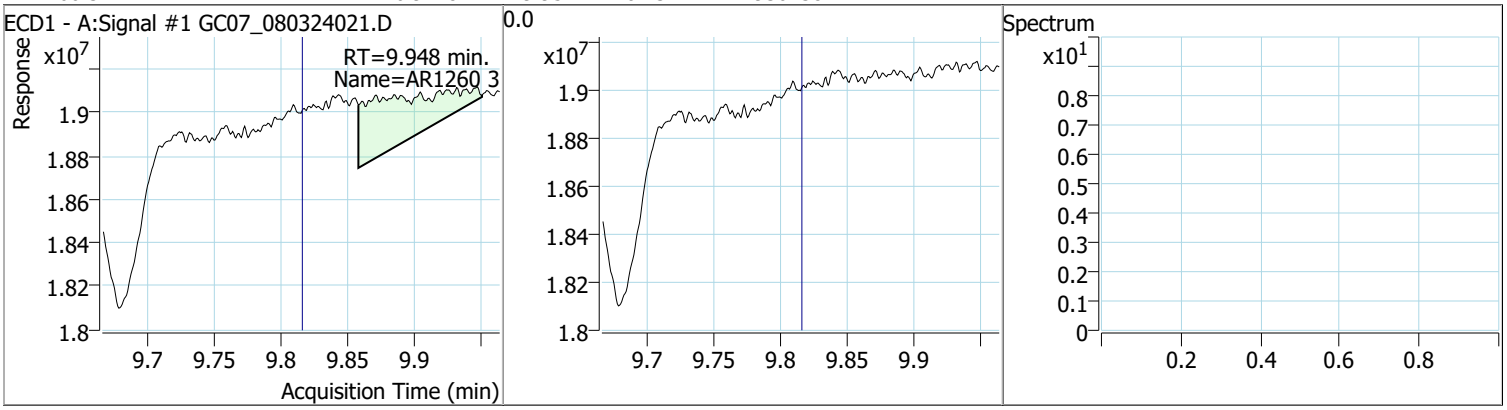
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	162.8574	8.89	-0.06	13320339				



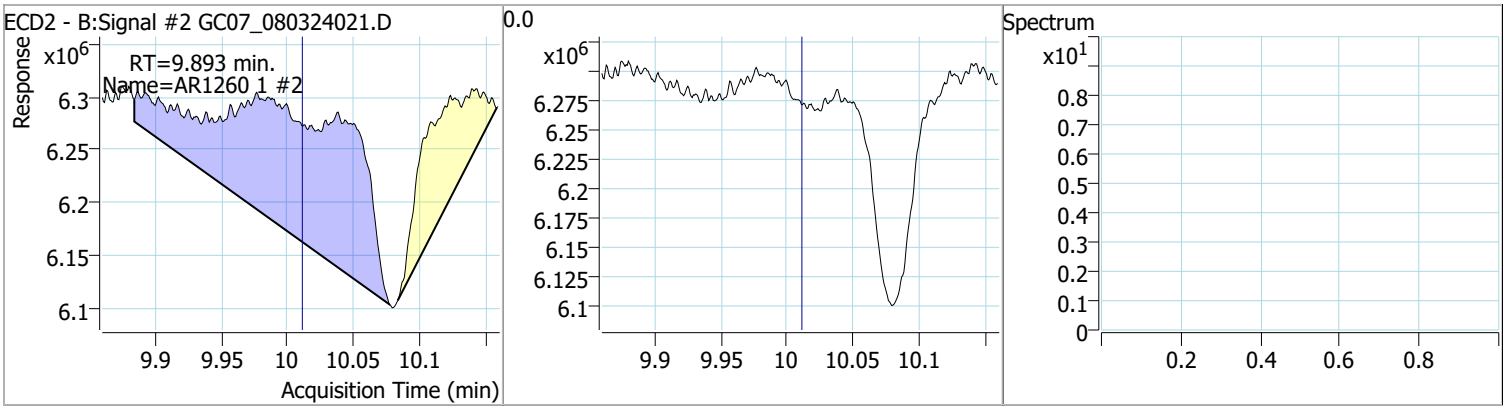
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.4173	9.42	0.02	177044				



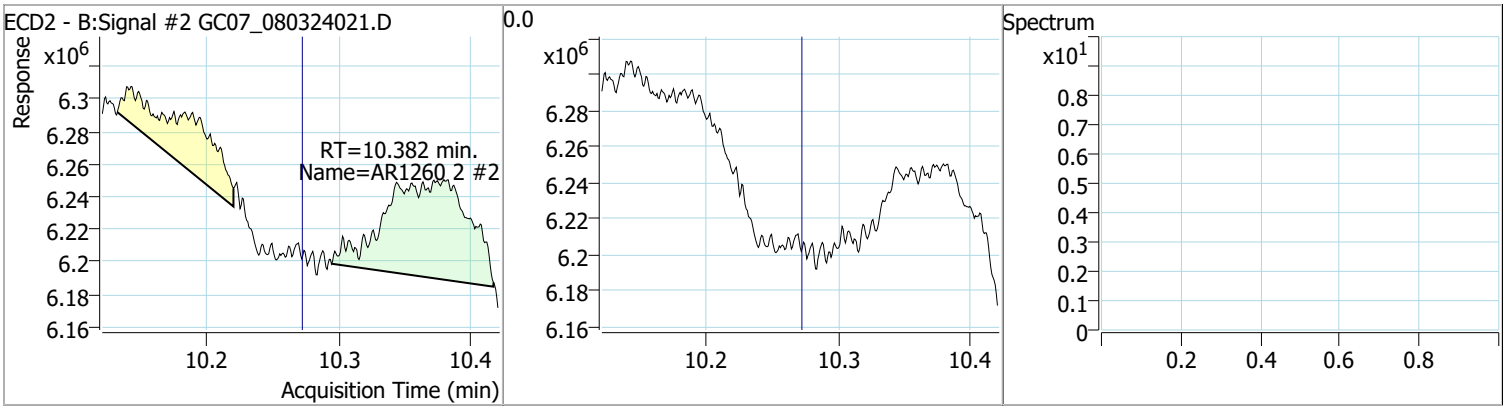
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.9248	9.95	0.13	930738				



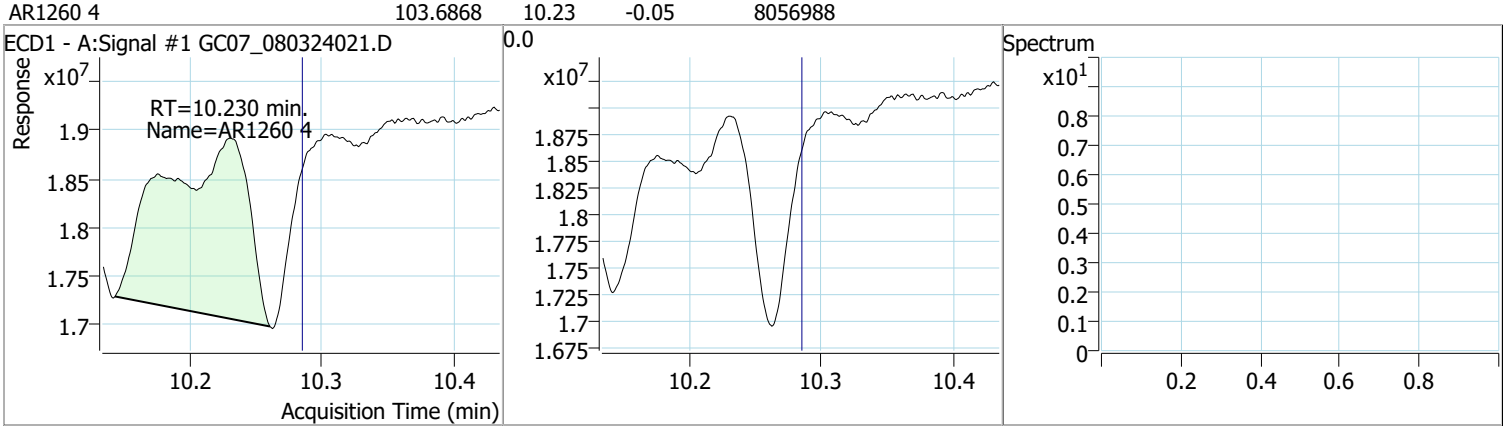
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	45.7798	9.89	-0.12	962370				



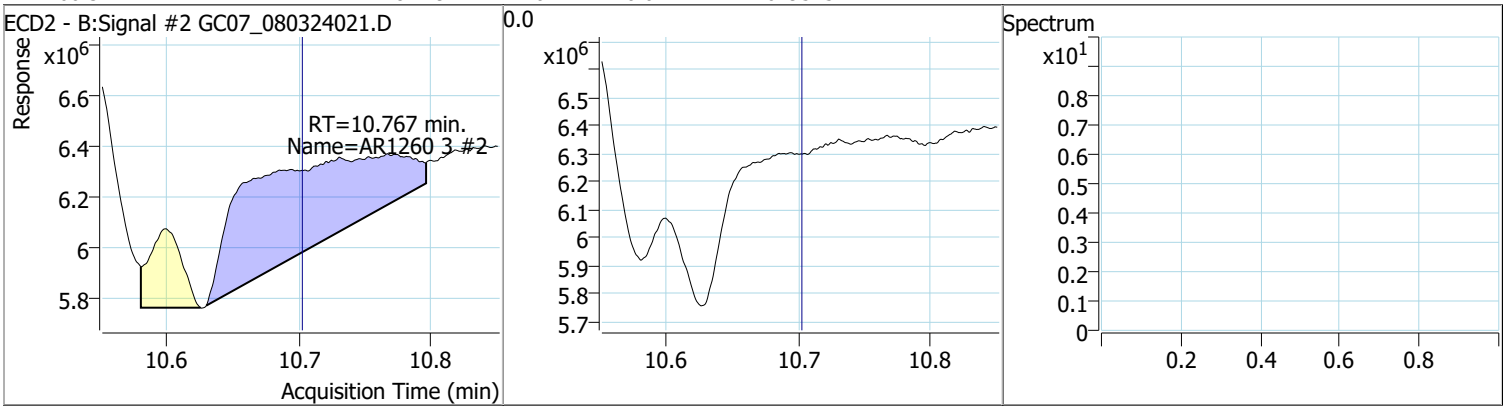
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.1277	10.38	0.11	267460				



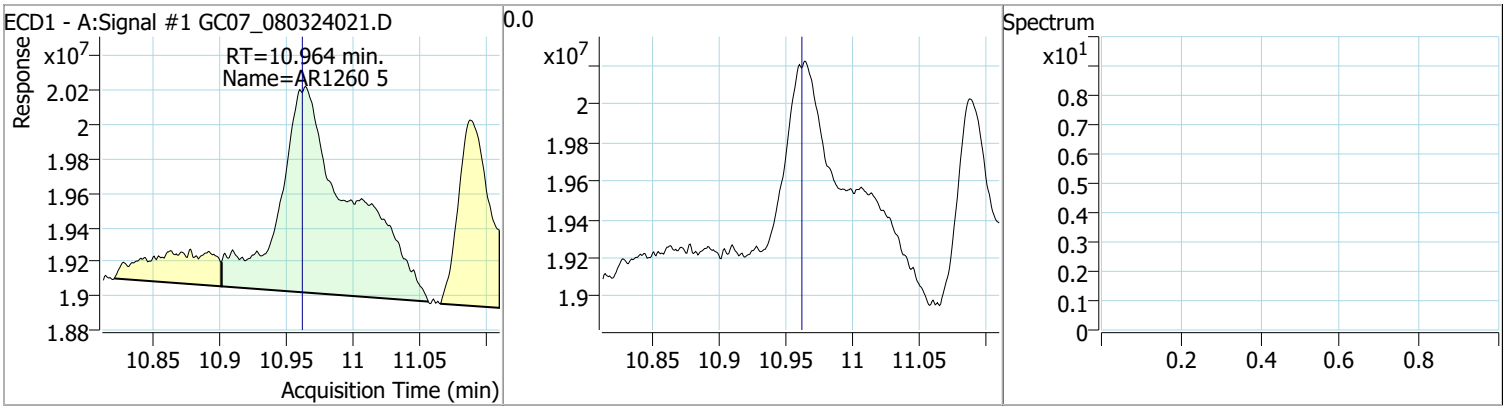
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.6868	10.23	-0.05	8056988				



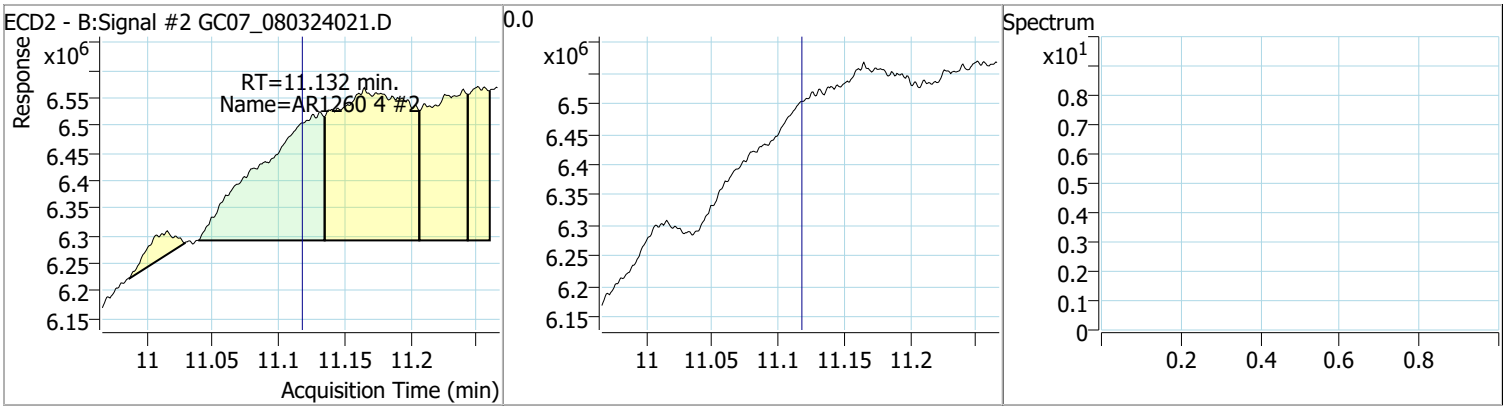
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	84.2944	10.77	0.07	2679575				



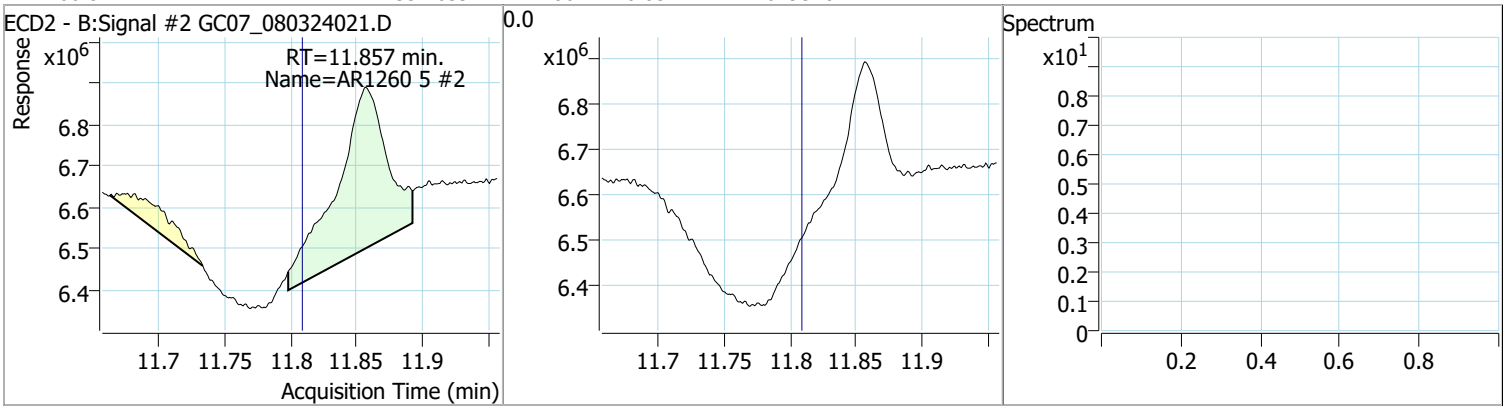
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	48.5962	10.96	0.00	4521820				



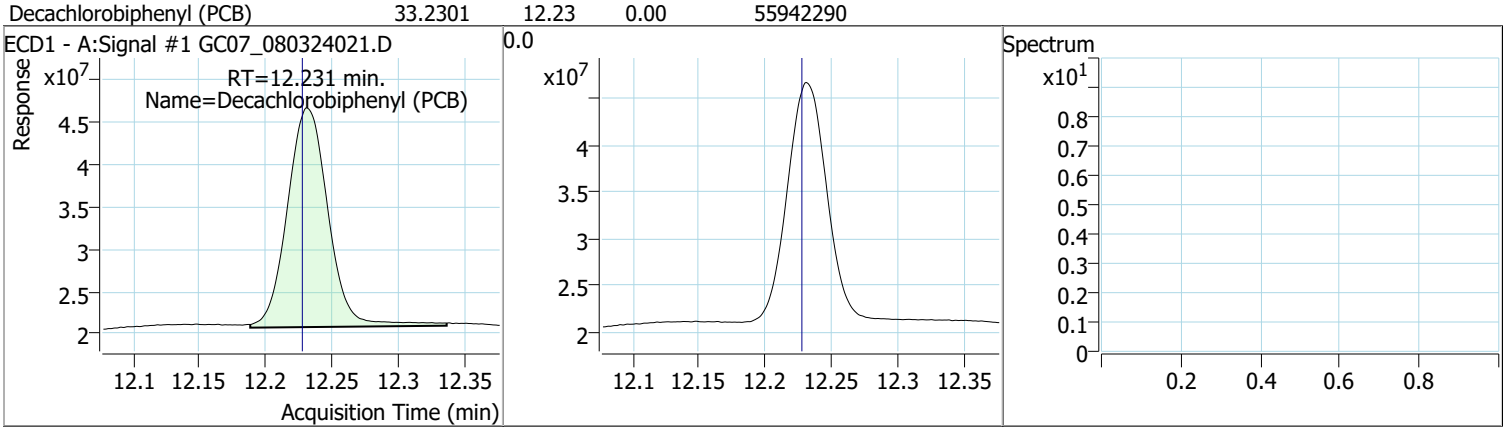
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	38.5914	11.13	0.02	775708				



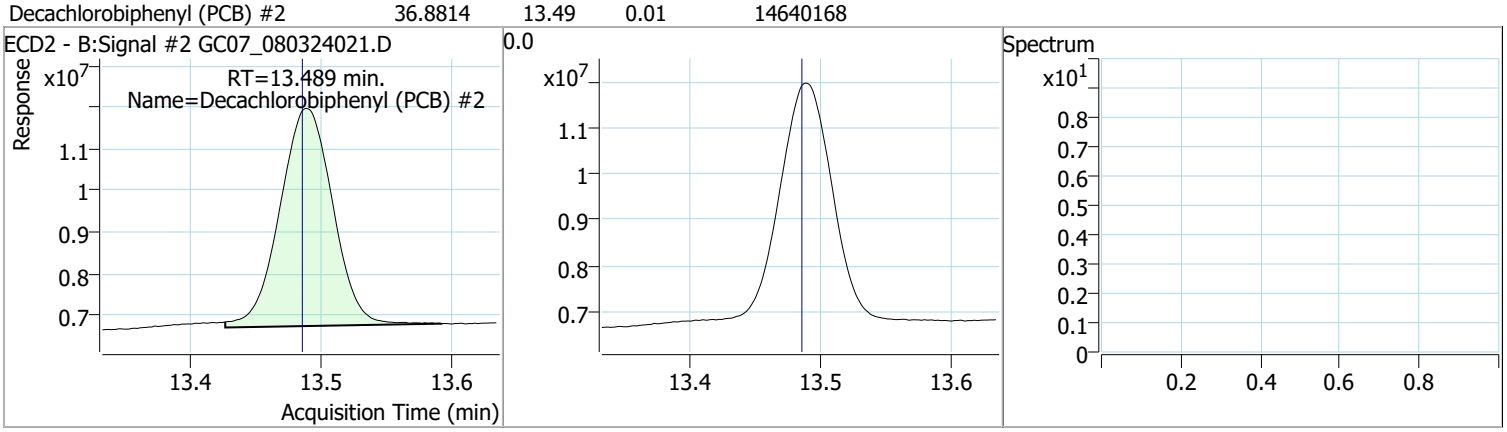
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	35.1639	11.86	0.05	1049318				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.2301	12.23	0.00	55942290				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.8814	13.49	0.01	14640168				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 513150 PCBS Wipe
EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1174809		
Seqnum:	464311880012.1	Matrix:	Wipe		
File:	gc07_080324012	Batch:	346727	Time:	03-AUG-2024 17:00
Cal:	464259633001	Caldate:	28-JUN-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	32.73	ug/L	ND	2.1	145%	0.50	u
Aroclor-1016 Peak # 1	B	25.39	ug/L	0.25	2.06	156%		
Aroclor-1016 Peak # 2	B	20.41	ug/L	0.20	0.19	5%		
Aroclor-1016 Peak # 3	B	116.0	ug/L	1.16	ND	290%		
Aroclor-1016 Peak # 4	B	0.7332	ug/L	0.01	5.78	199%		
Aroclor-1016 Peak # 5	B	1.170	ug/L	0.01	2.49	198%		
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	17.96	ug/L	ND	0.49	93%	0.50	u
Aroclor-1260 Peak # 1	B	21.93	ug/L	0.22	1.14	135%		
Aroclor-1260 Peak # 2	B	8.592	ug/L	0.09	0.02	139%		
Aroclor-1260 Peak # 3	B	55.31	ug/L	0.55	0.34	49%		
Aroclor-1260 Peak # 4	B	2.446	ug/L	0.02	0.79	188%		
Aroclor-1260 Peak # 5	B	1.540	ug/L	0.02	0.19	170%		
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	39.71	pg/uL	0.5000	0.3971	79	19-121	u
Decachlorobiphenyl (PCB)	B	38.86	pg/uL	0.5000	0.3886	78	19-121	u

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

ISTD (CCV gc07_080324004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8975043	10.51
1-bromo-2-nitrobenzene (PCB)	A	35201723	40468960	14.96

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

ISTD (CCV gc07_080324004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.33	0.01

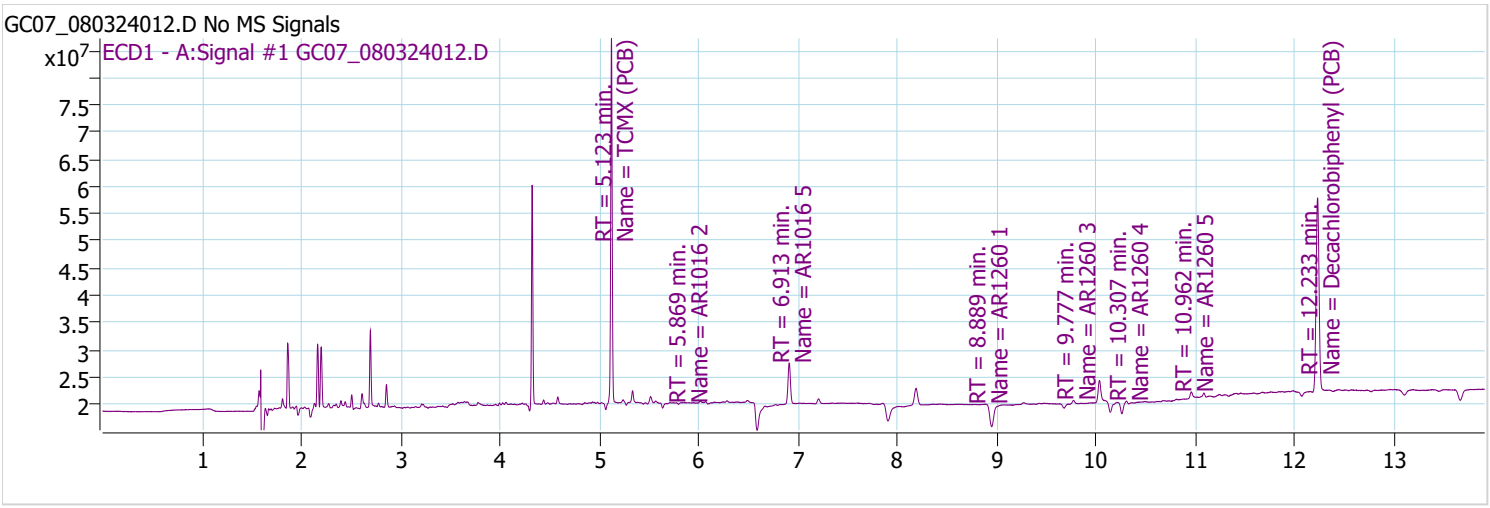
08/05/24 : SOIL/10G-10ML [general version]

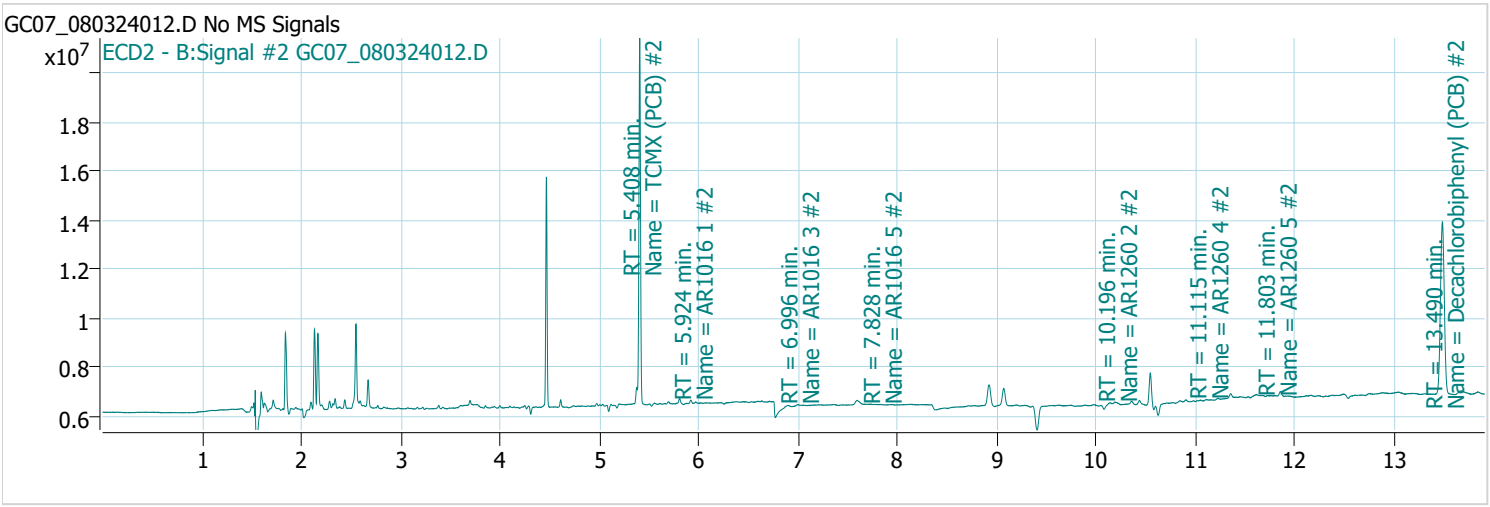
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324012.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:00:02 PM
Sample Name	QC1174809, 346569, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



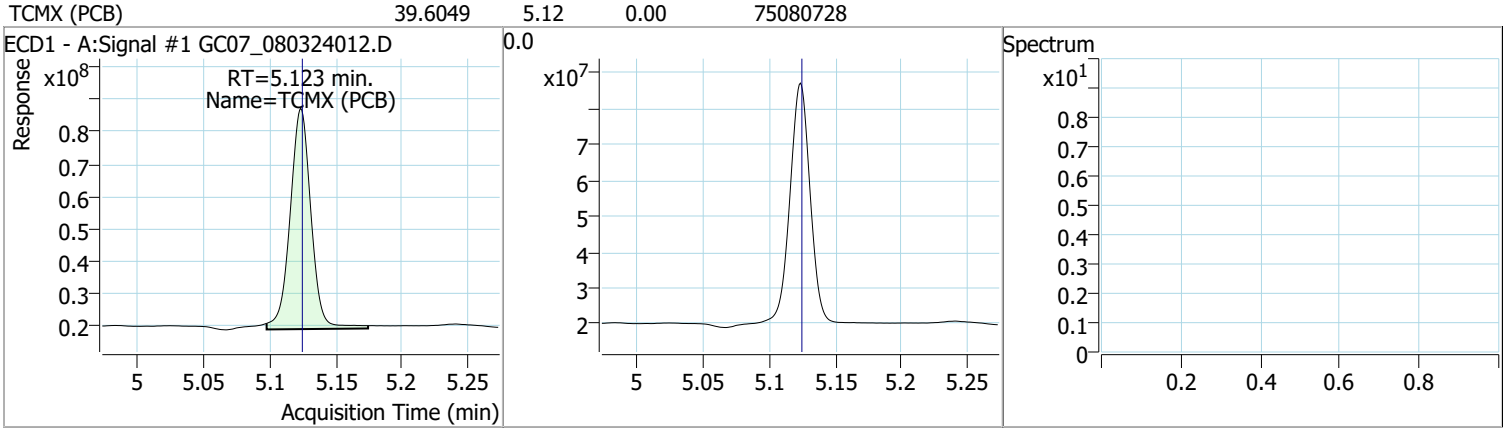


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	40468960.246	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8975043.459	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	75080728.425	39.6049	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.02%		*	
S TCMX (PCB) #2	5.408	0.0	17095122.779	39.7110	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.56%		*	
S Decachlorobiphenyl (PCB)	12.233	0.0	77052201.600	34.5335	ng/ml		0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.67%		*	
S Decachlorobiphenyl (PCB) #2	13.490	0.0	19051734.043	38.8567	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.28%		*	
Target Compounds							QValue

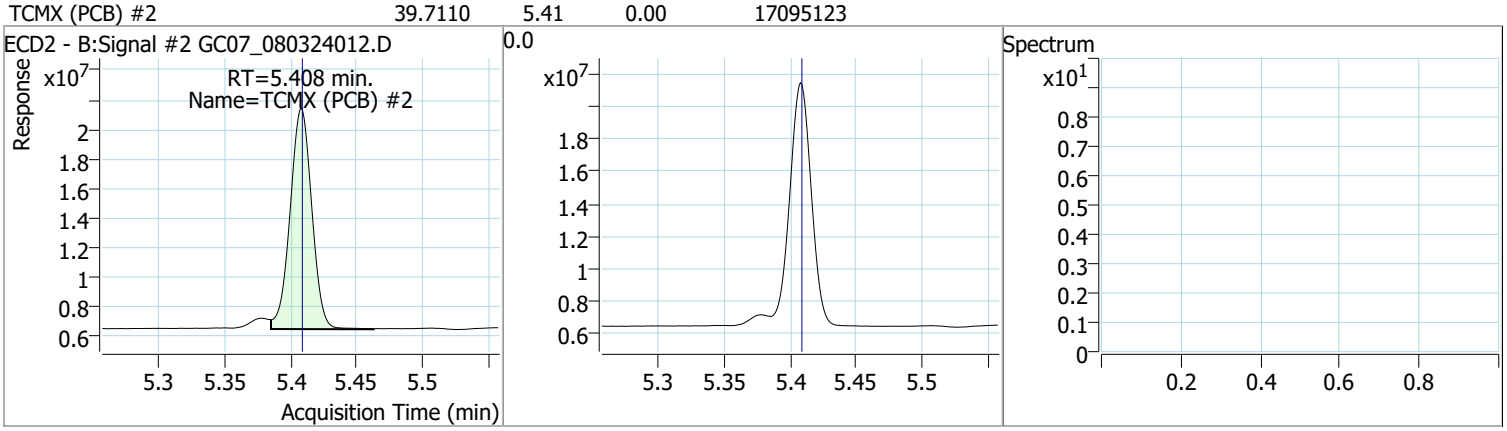
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.517	0.0	7304562.218	206.4969	ng/ml	100
T AR1016 2	5.869	0.0	1420625.655	19.3320	ng/ml	100
T AR1016 1 #2	5.924	0.0	240639.746	25.3938	ng/ml	100
T AR1016 3	6.336	0.0	99803.700	0.0000	ng/ml	100
T AR1016 2 #2	6.382	0.0	399667.365	20.4133	ng/ml	100
T AR1016 4	6.488	0.0	35569023.387	578.4488	ng/ml	100
T AR1016 3 #2	6.996	0.0	2831408.558	115.9527	ng/ml	100
T AR1016 5	6.913	0.0	13447174.780	248.7897	ng/ml	100
T AR1016 4 #2	7.131	0.0	13235.550	0.7332	ng/ml	100
T AR1016 5 #2	7.828	0.0	17075.447	1.1696	ng/ml	100
T AR1260 1	8.889	0.0	12362532.220	114.0419	ng/ml	100
T AR1260 2	9.434	0.0	255456.958	1.5430	ng/ml	100
T AR1260 3	9.777	0.0	5996297.841	33.6610	ng/ml	100
T AR1260 1 #2	9.980	0.0	569503.343	21.9330	ng/ml	100
T AR1260 2 #2	10.196	0.0	280269.000	8.5920	ng/ml	100
T AR1260 4	10.307	0.0	8135608.585	78.9961	ng/ml	100
T AR1260 3 #2	10.772	0.0	2171738.240	55.3109	ng/ml	100
T AR1260 5	10.962	0.0	2304103.195	18.6834	ng/ml	100
T AR1260 4 #2	11.115	0.0	60724.926	2.4458	ng/ml	100
T AR1260 5 #2	11.803	0.0	56758.663	1.5399	ng/ml	100

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

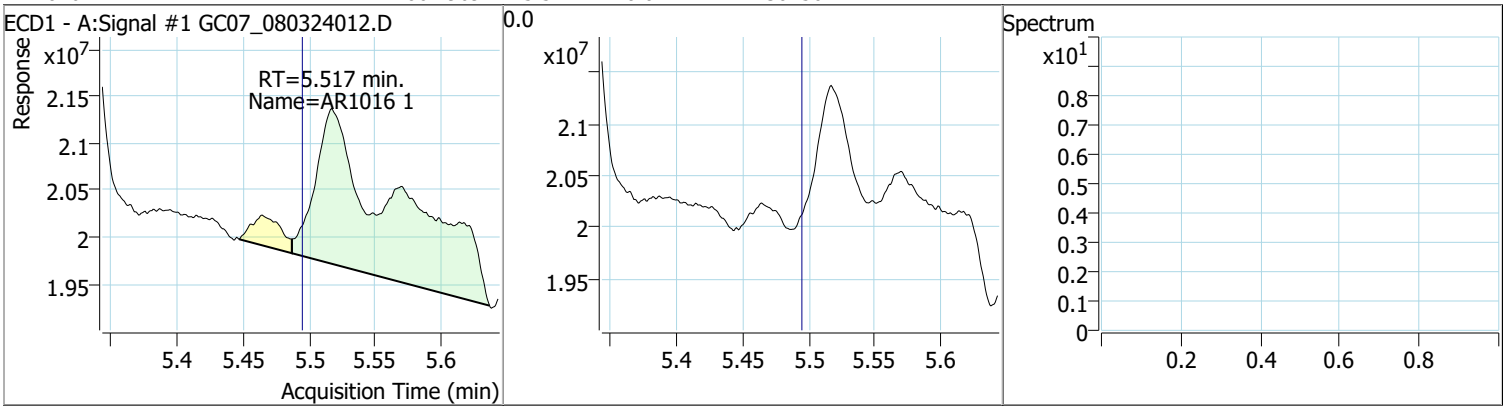
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6049	5.12	0.00	75080728				



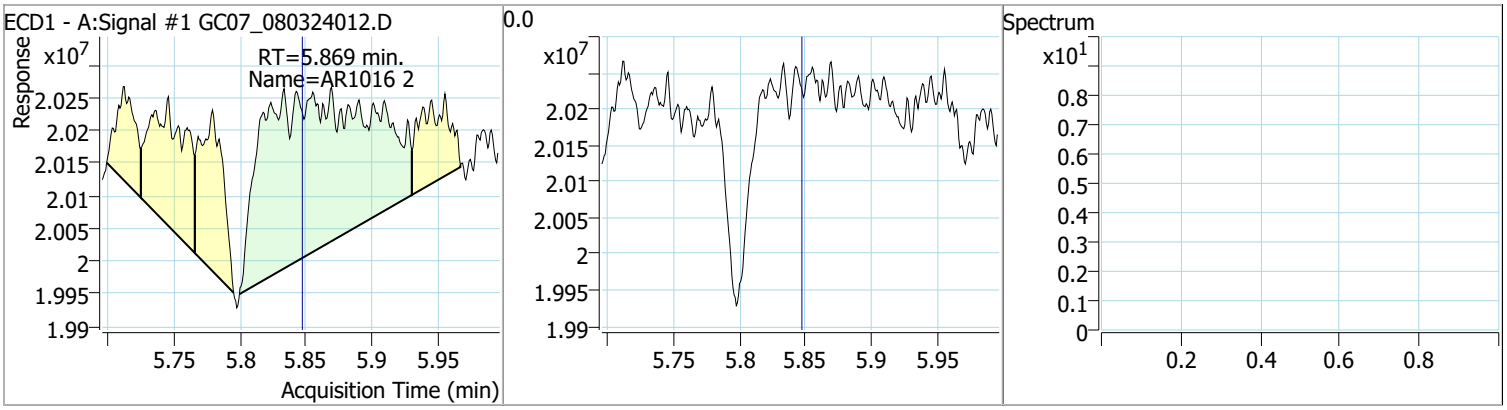
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.7110	5.41	0.00	17095123				



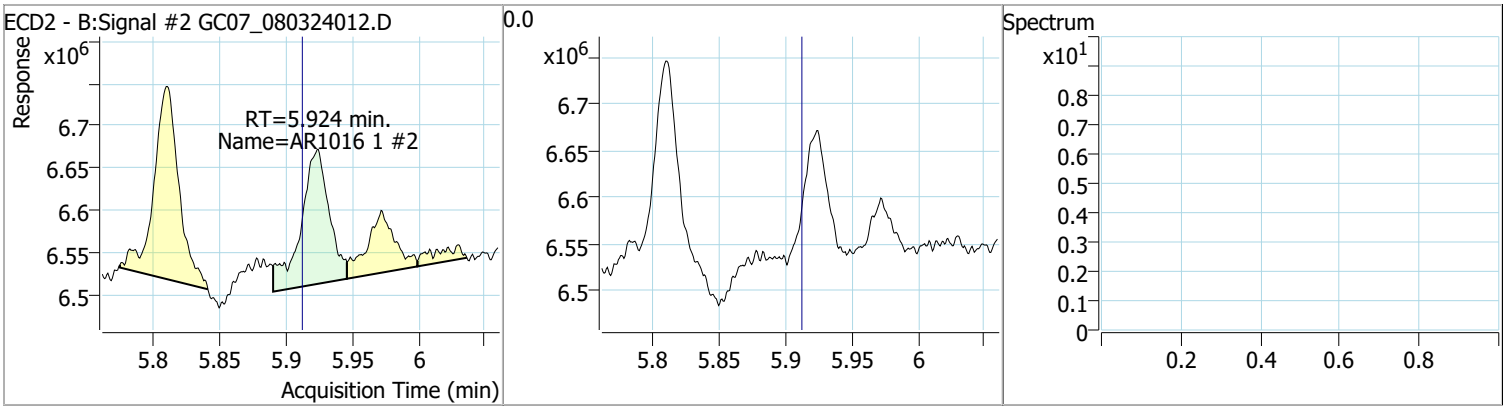
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	206.4969	5.52	0.02	7304562				



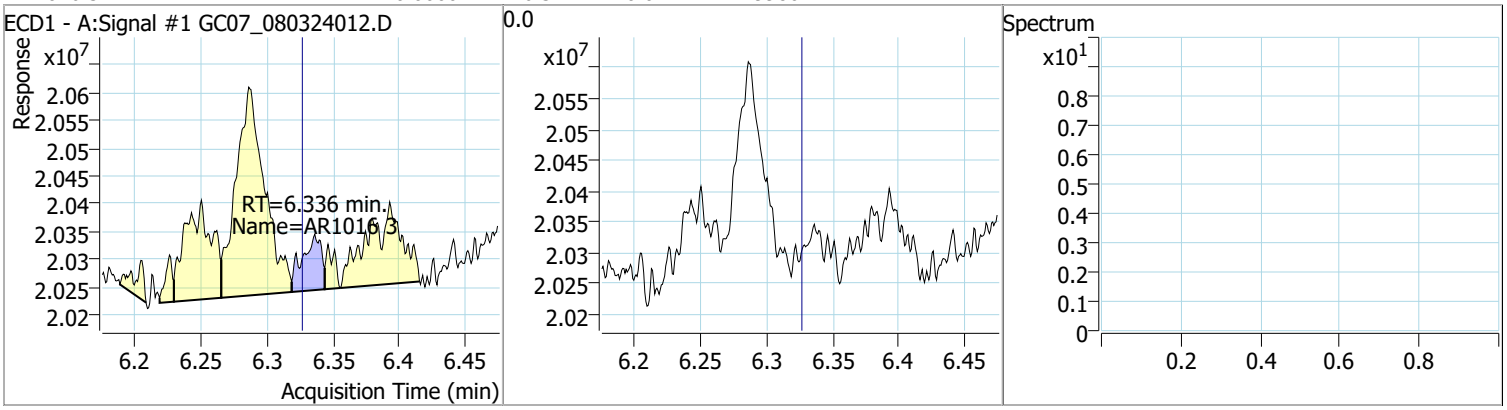
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.3320	5.87	0.02	1420626				



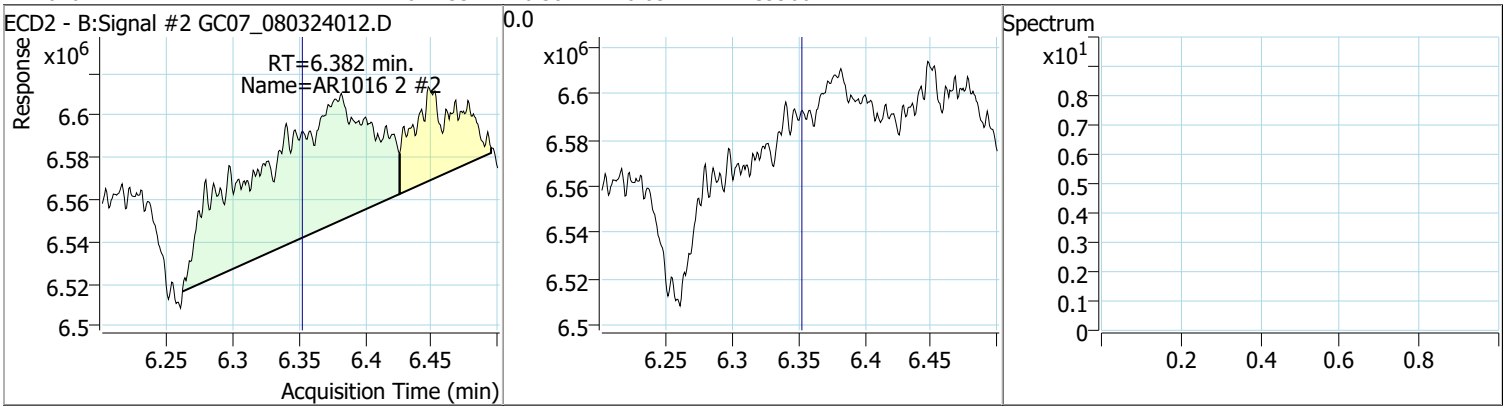
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	25.3938	5.92	0.01	240640				



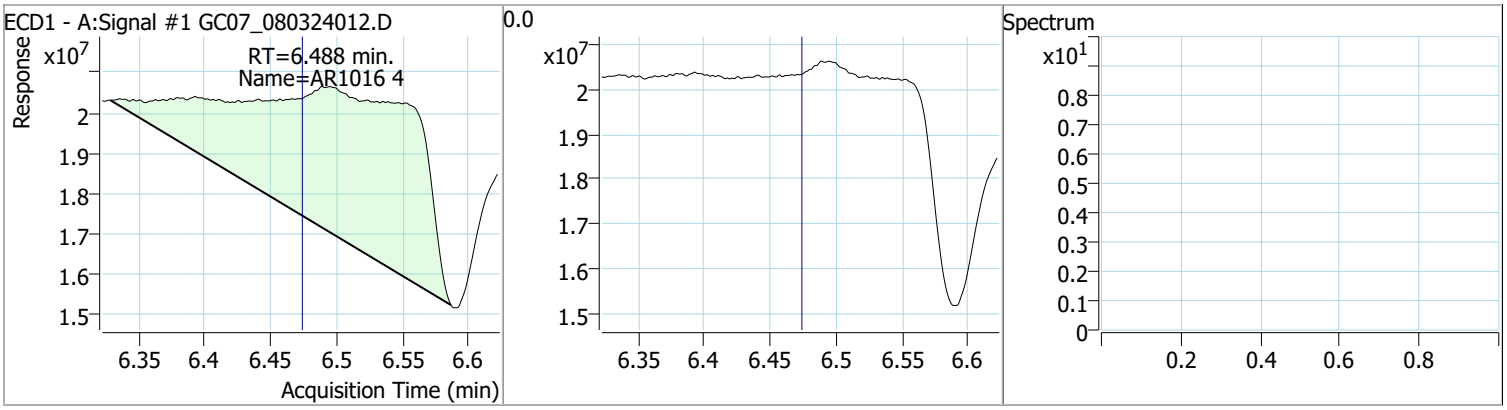
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.34	0.01	99804				



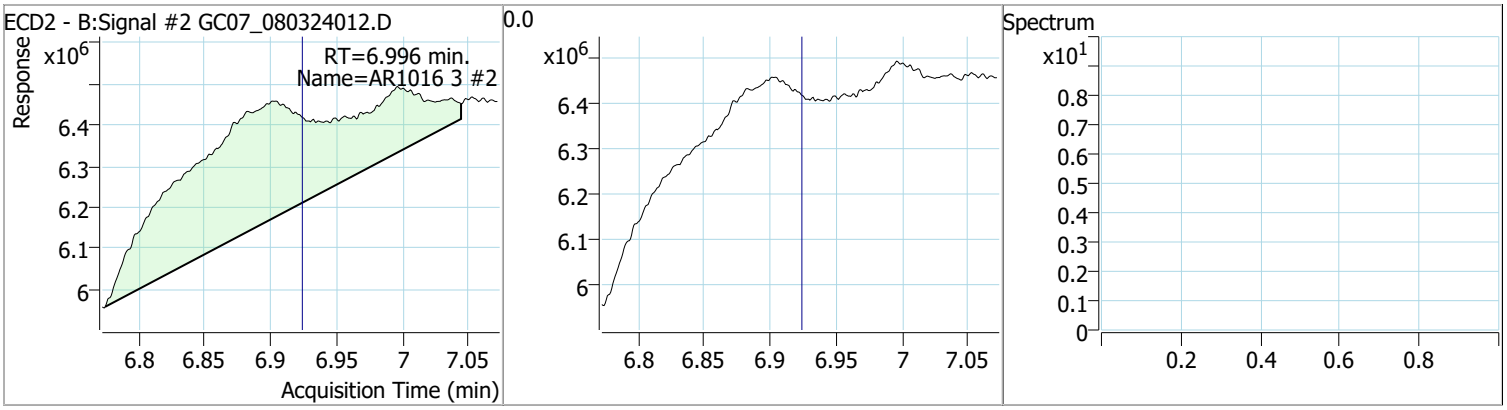
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.4133	6.38	0.03	399667				



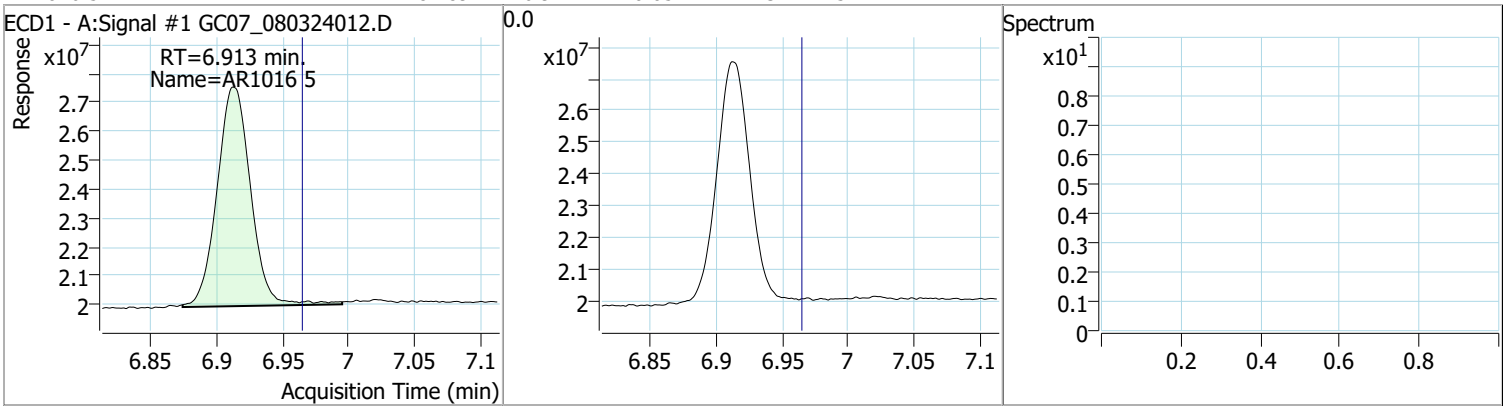
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	578.4488	6.49	0.02	35569023				



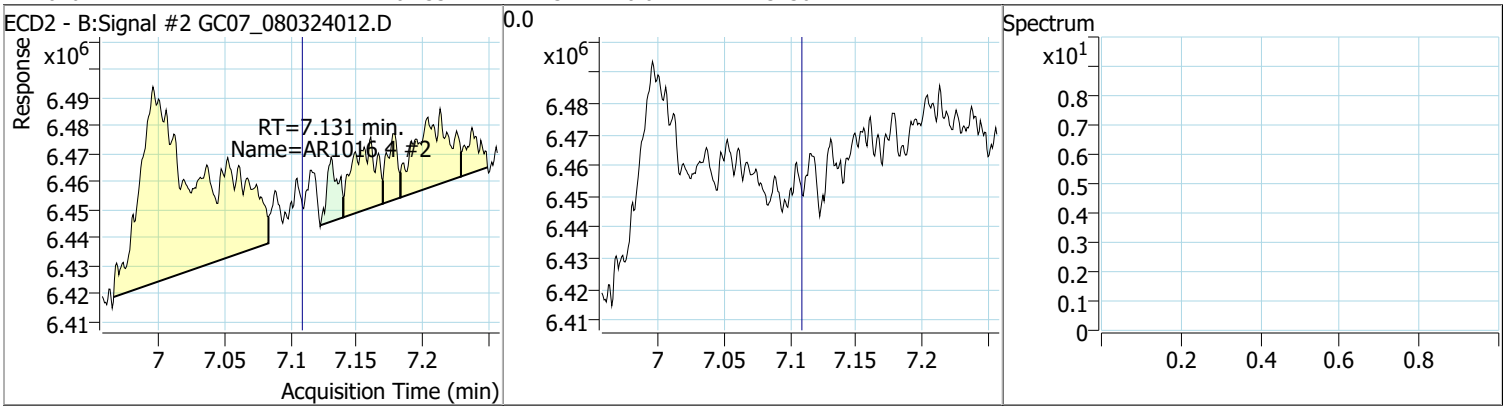
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	115.9527	7.00	0.07	2831409				



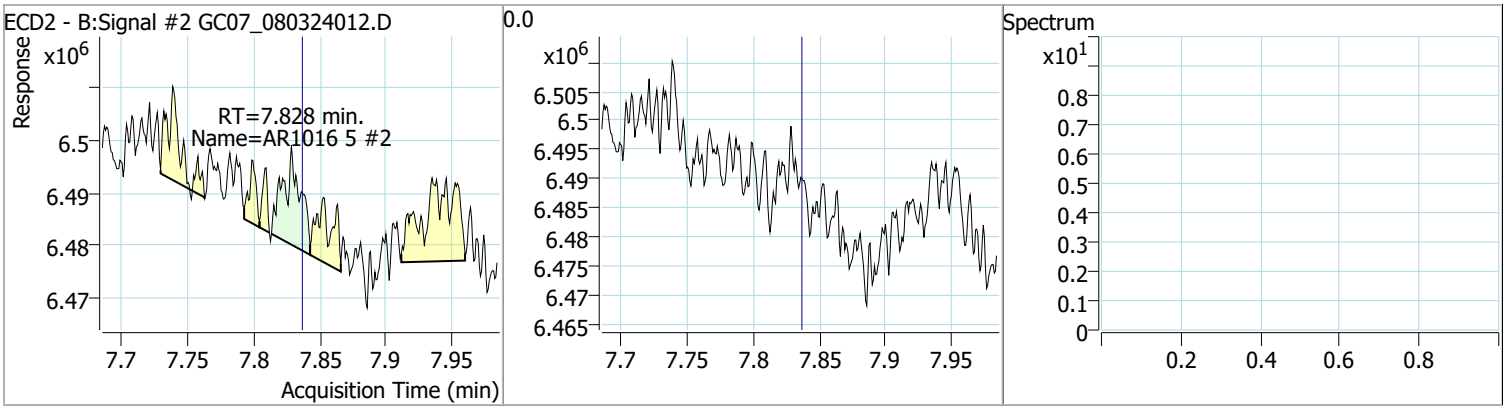
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	248.7897	6.91	-0.05	13447175				



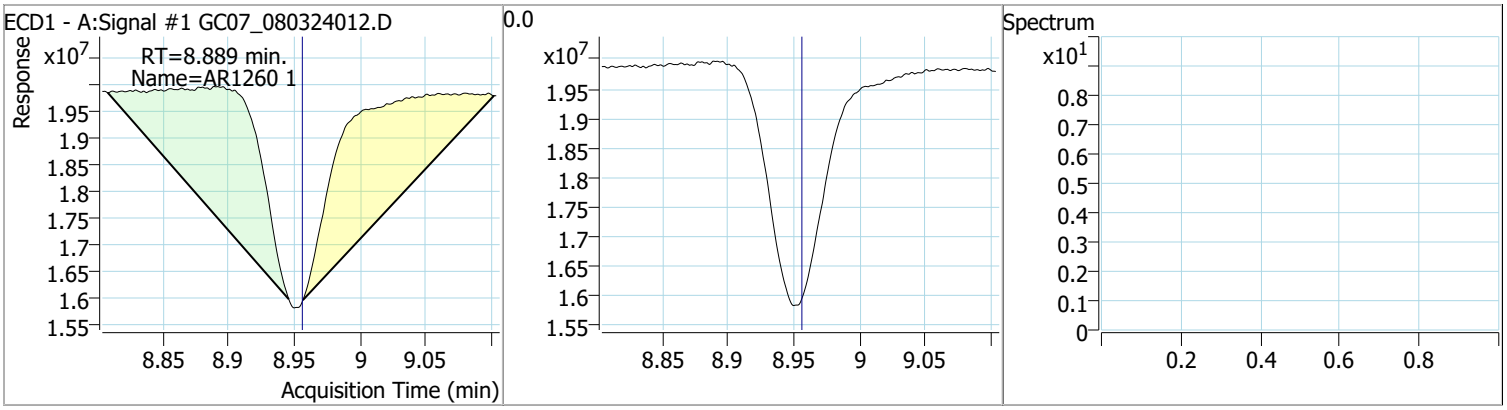
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7332	7.13	0.02	13236				



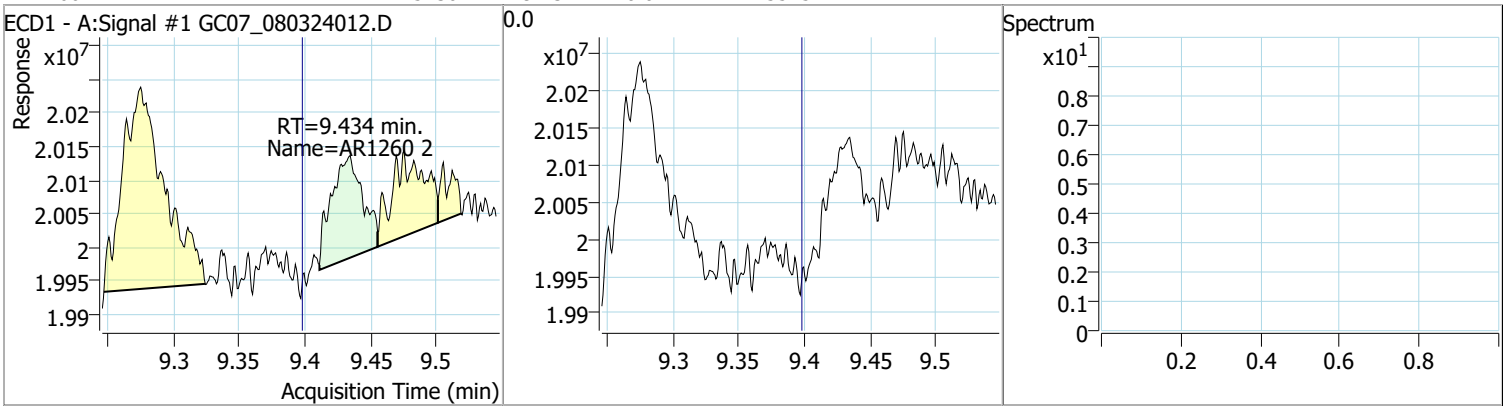
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.1696	7.83	-0.01	17075				



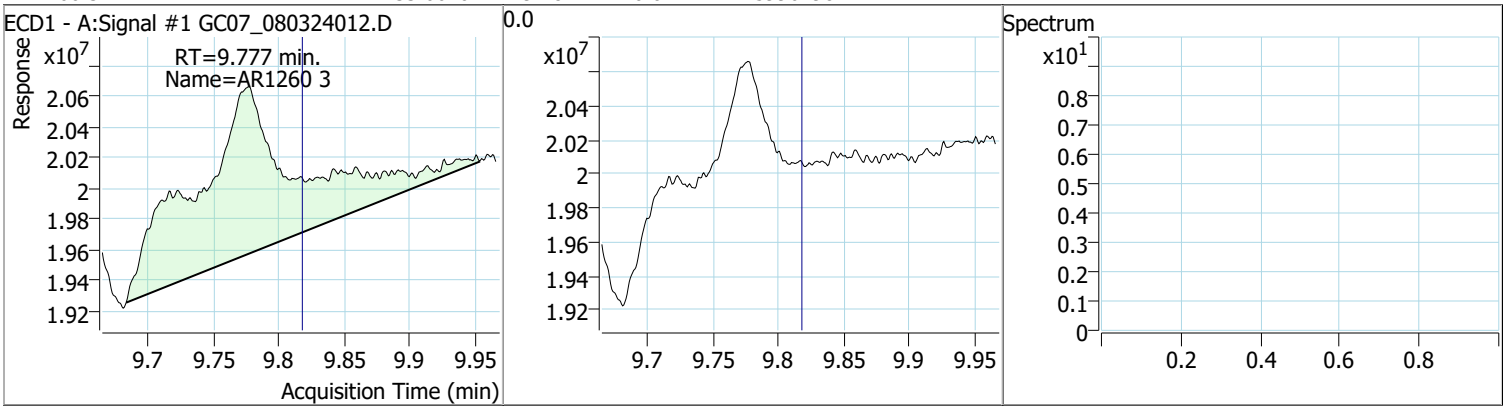
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	114.0419	8.89	-0.06	12362532				



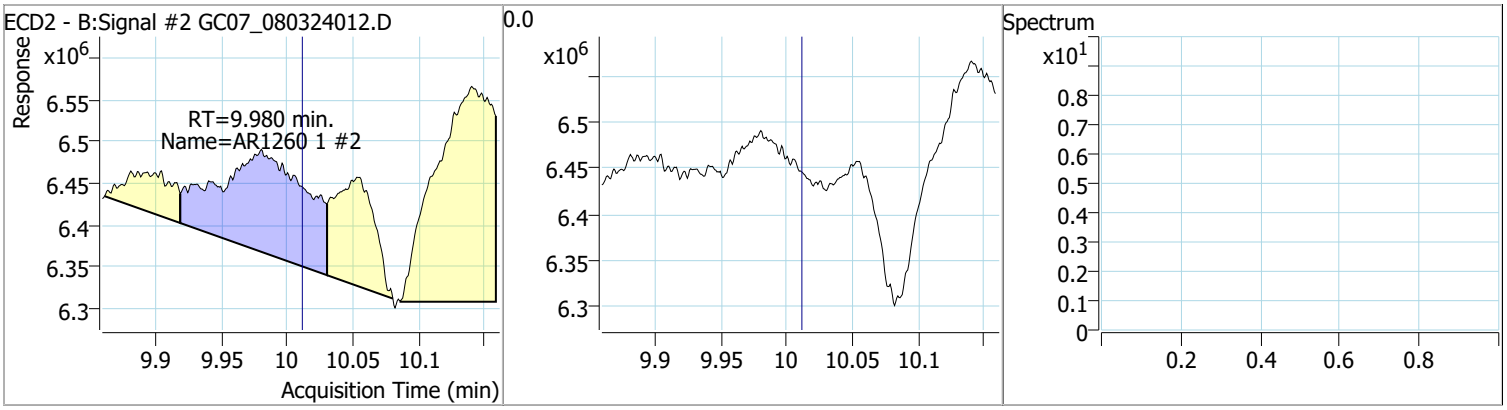
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.5430	9.43	0.04	255457				



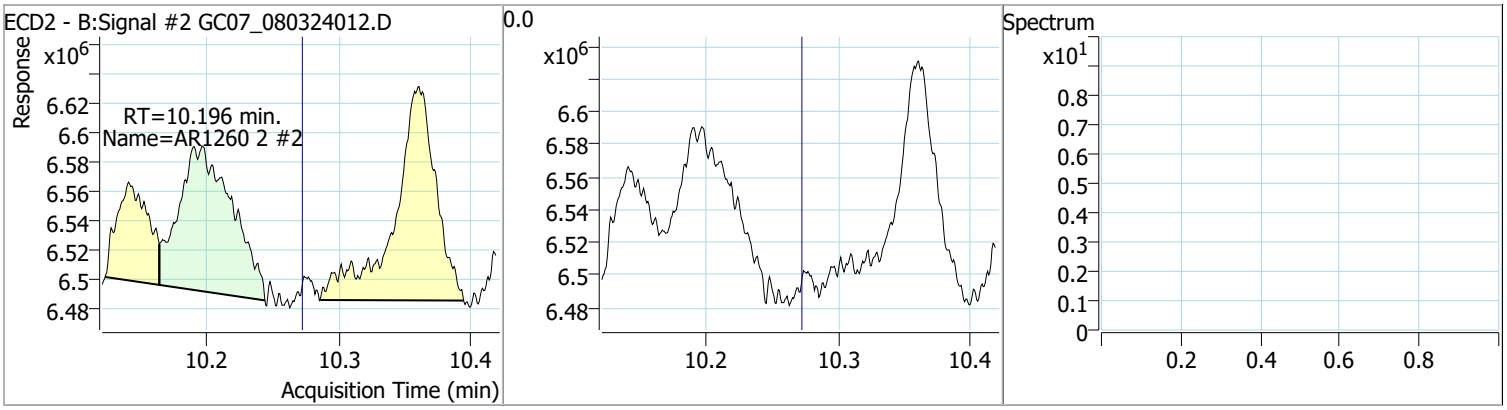
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	33.6610	9.78	-0.04	5996298				



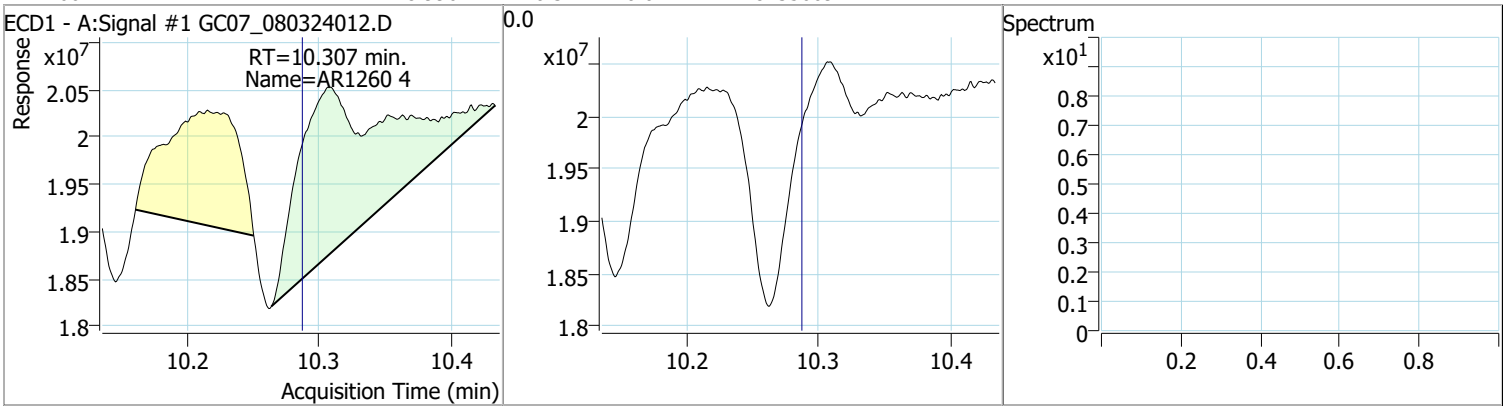
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.9330	9.98	-0.03	569503				



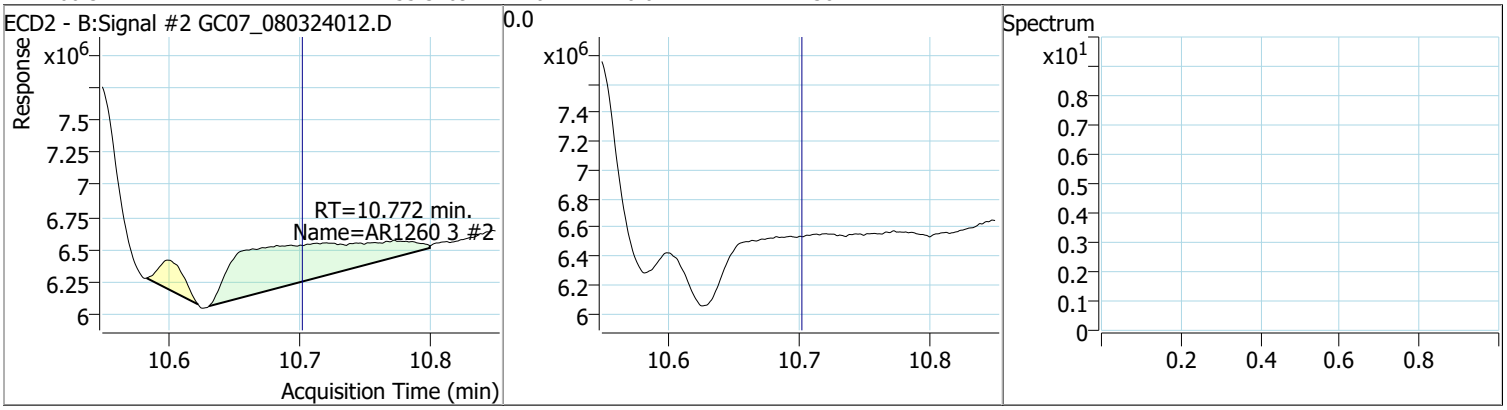
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.5920	10.20	-0.07	280269				



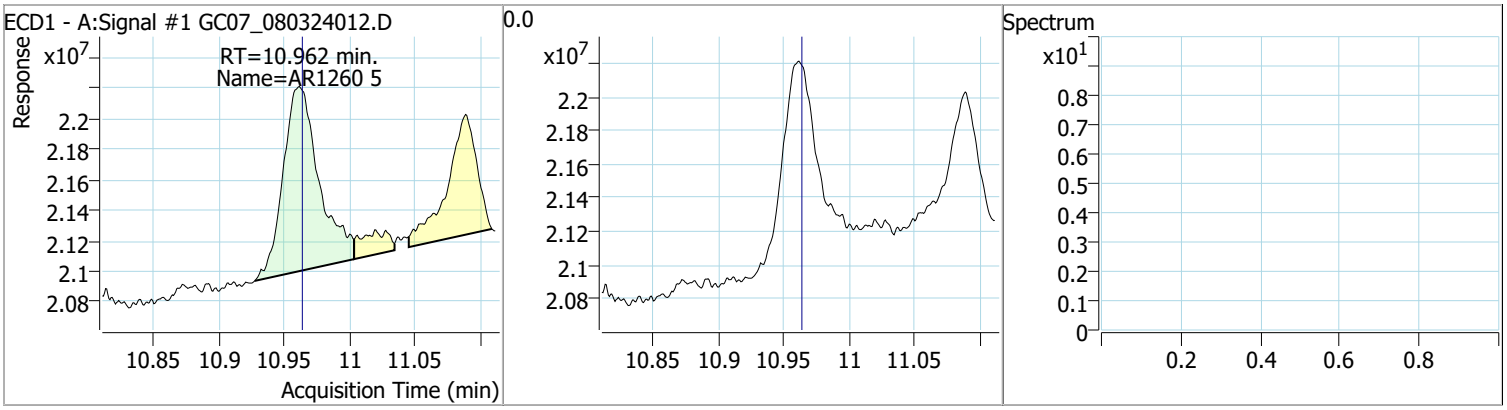
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	78.9961	10.31	0.02	8135609				



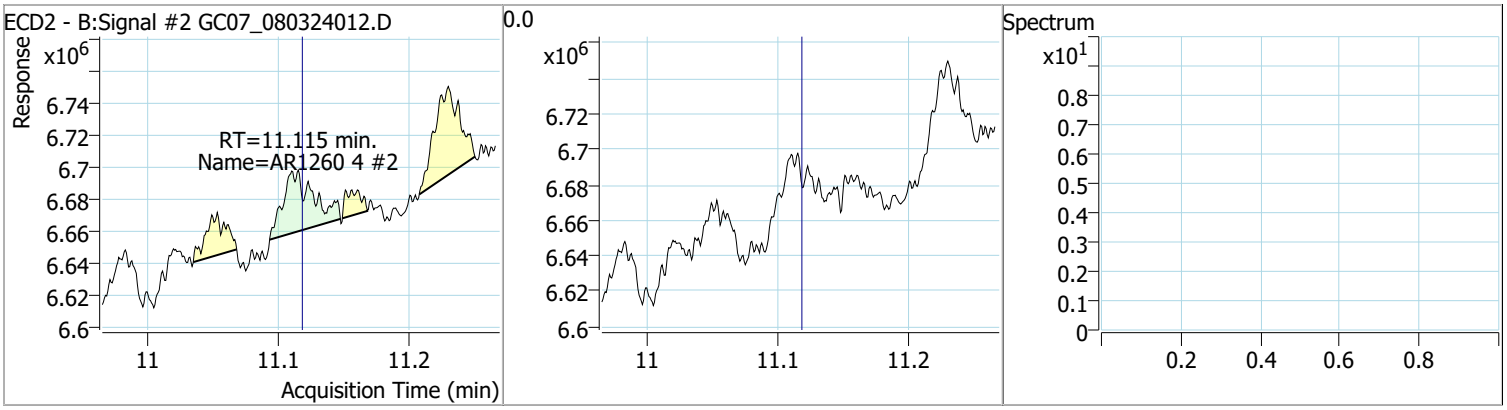
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.3109	10.77	0.07	2171738				



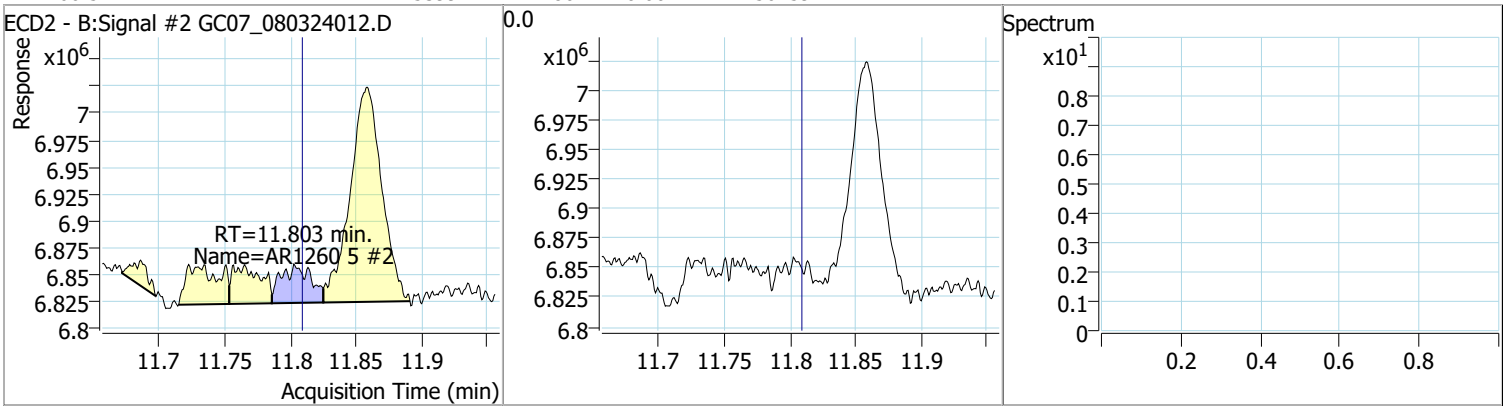
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.6834	10.96	0.00	2304103				



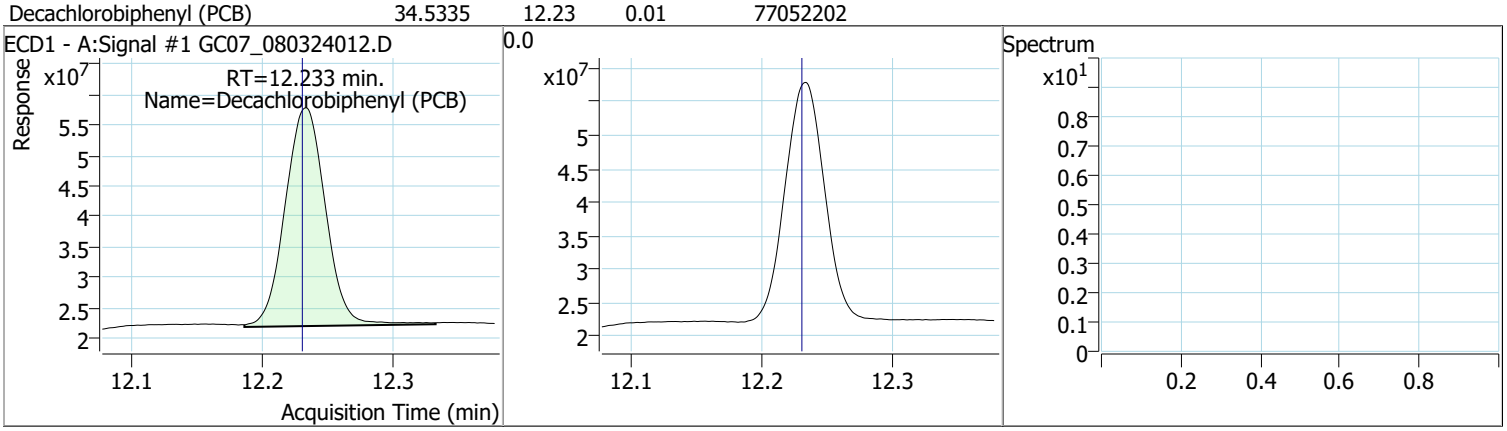
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.4458	11.12	0.00	60725				



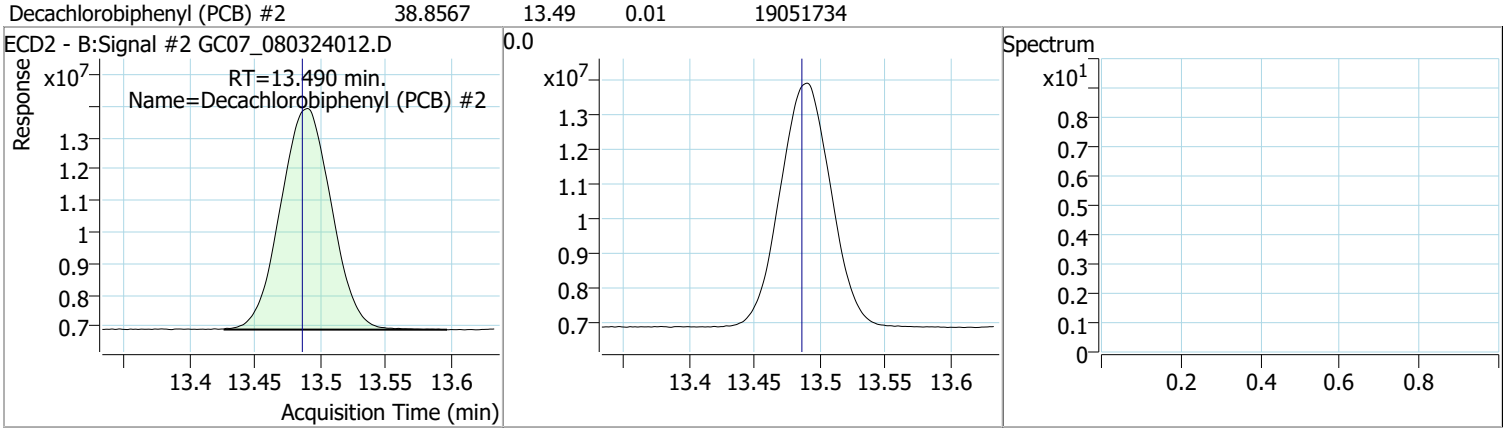
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.5399	11.80	0.00	56759				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.5335	12.23	0.01	77052202				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.8567	13.49	0.01	19051734				



ENTHALPY SPIKE USER REPORT FOR 513150 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	464311880013.1	Seqnum:	464311880014.1
File:	gc07_080324013	File:	gc07_080324014
IDF:	1.0	IDF:	1.0
Lab ID:	QC1174810	Lab ID:	QC1174811
Matrix:	Wipe	Matrix:	Wipe
Batch:	346727	Batch:	346727
Time:	03-AUG-2024 17:17	Time:	03-AUG-2024 17:35
Cal:	464259633001	Cal:	464259633001
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	360.4	3.604	B	72	424.1	4.241	B	85	60-140	16	20	u
Aroclor-1016 Peak # 1		352.8	3.528	B		417.3	4.173	B					
Aroclor-1016 Peak # 2		370.8	3.708	B		427.8	4.278	B					
Aroclor-1016 Peak # 3		358.2	3.582	B		418.2	4.182	B					
Aroclor-1016 Peak # 4		351.1	3.511	B		416.5	4.165	B					
Aroclor-1016 Peak # 5		368.9	3.689	B		440.5	4.405	B					
Aroclor-1260	5.000	361.5	3.615	B	72	418.2	4.182	B	84	60-140	15	20	u
Aroclor-1260 Peak # 1		387.4	3.874	B		456.4	4.564	B					
Aroclor-1260 Peak # 2		365.0	3.650	B		403.3	4.033	B					
Aroclor-1260 Peak # 3		403.3	4.033	B		471.5	4.715	B					
Aroclor-1260 Peak # 4		335.4	3.354	B		389.1	3.891	B					
Aroclor-1260 Peak # 5		316.5	3.165	B		370.8	3.708	B					
Surrogates													
TCMX (PCB)	0.5000	33.78	0.3378	B	68	40.30	0.4030	B	81	19-121			u
Decachlorobiphenyl (PCB)	0.5000	35.61	0.3561	B	71	40.62	0.4062	B	81	19-121			u

ISTD (CCV gc07_080324004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8692662	7.03
1-bromo-2-nitrobenzene (PCB)	A	35201723	39849104	13.20

ISTD (CCV gc07_080324004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

ISTD (CCV gc07_080324004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8561648	5.42
1-bromo-2-nitrobenzene (PCB)	A	35201723	38598061	9.65

ISTD (CCV gc07_080324004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.33	0.01

08/05/24 : SOIL/10G-10ML [general version]

08/05/24 : SOIL/10G-10ML [general version]

MES 08/05/24 [Aroclor-1016 Peak # 4 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 08/05/24 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

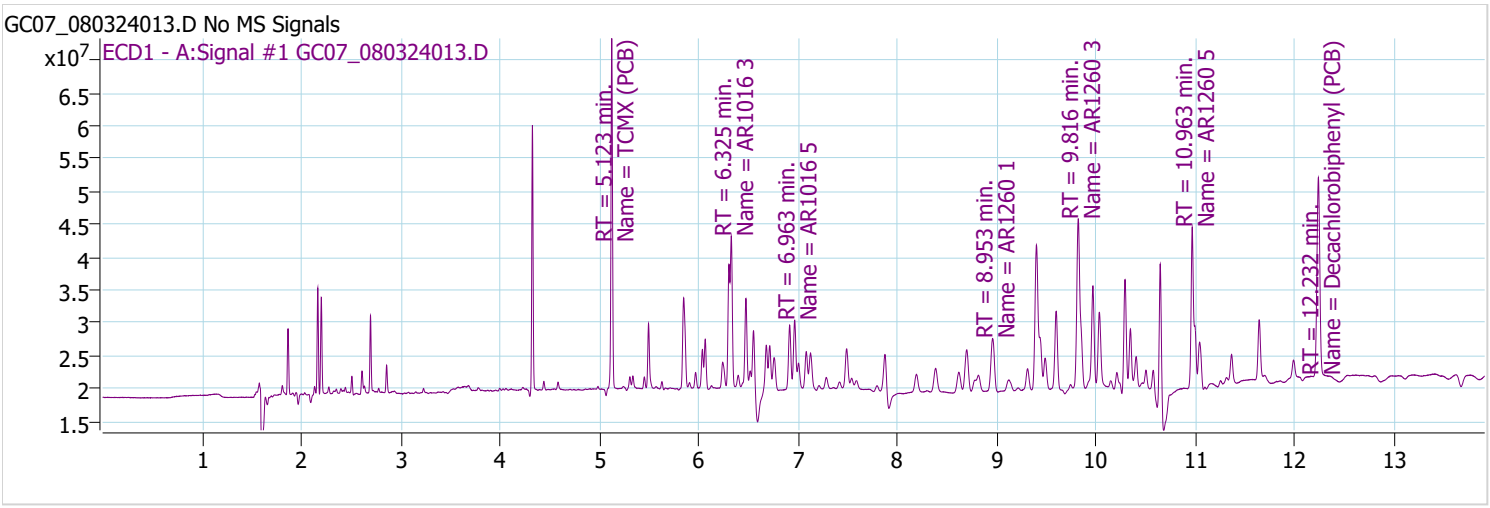
MES 08/05/24 [Aroclor-1260 Peak # 1 B]: Separated from coeluting peak for Ch. B for spike & dup. [general version]

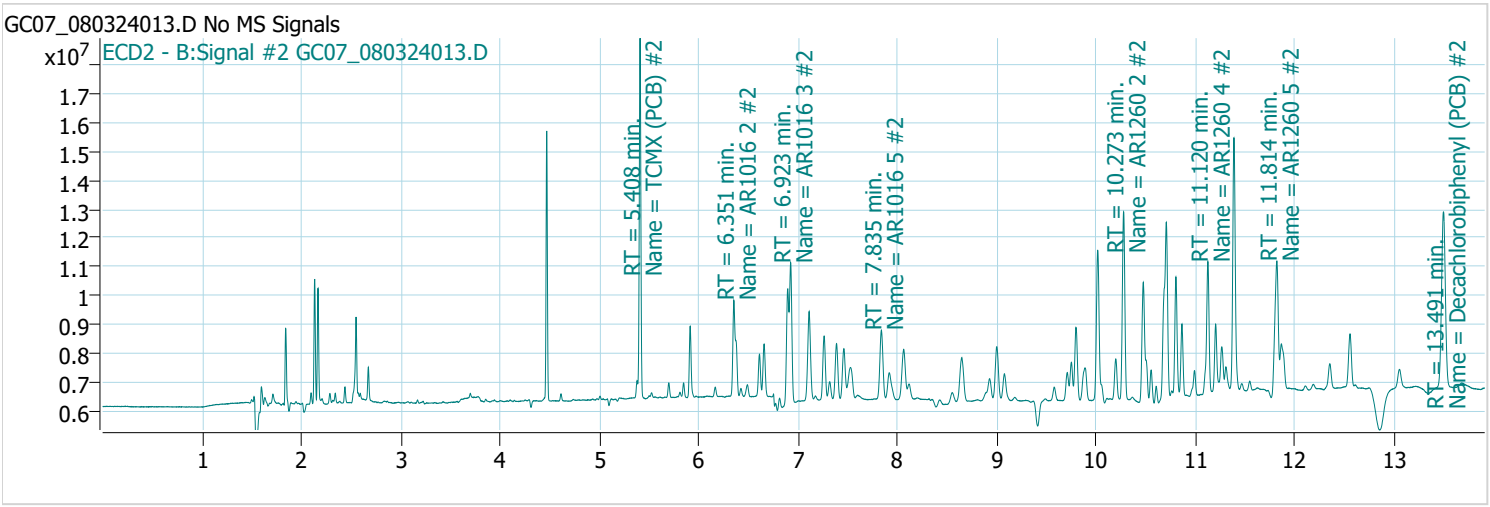
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Analyst: MES 08/05/24 **Reviewer:** BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324013.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:17:30 PM
Sample Name	QC1174810, 346569, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



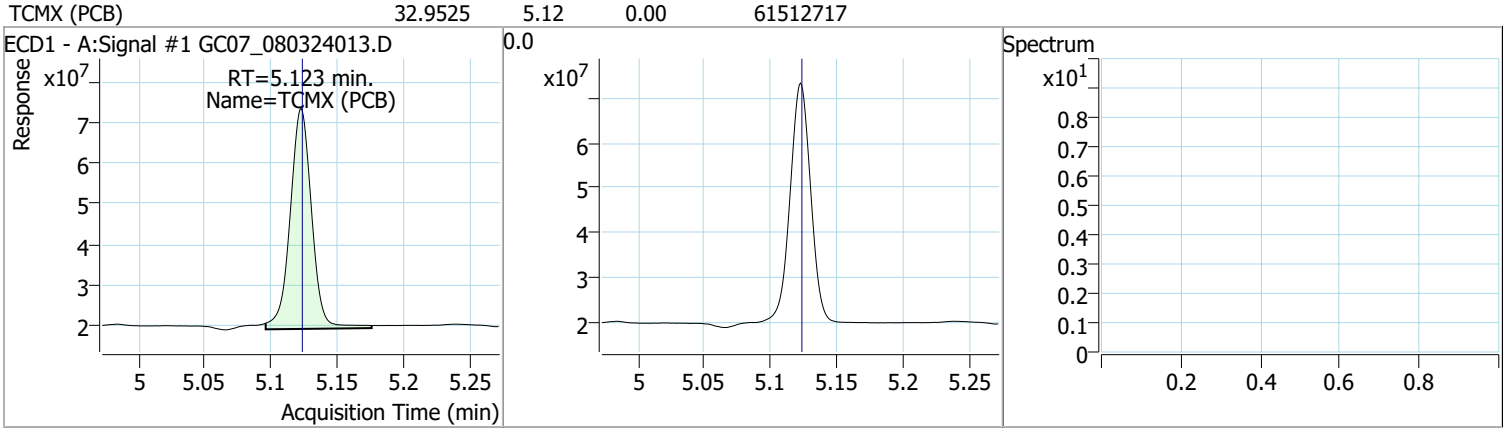


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	39849104.375	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8692661.694	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	61512717.254	32.9525	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.76%		*	
S TCMX (PCB) #2	5.408	0.0	14082699.181	33.7760	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.88%		*	
S Decachlorobiphenyl (PCB)	12.232	0.0	65088851.020	29.6255	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.13%			
S Decachlorobiphenyl (PCB) #2	13.491	0.0	16909015.299	35.6069	ng/ml		0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.03%		*	
Target Compounds							QValue

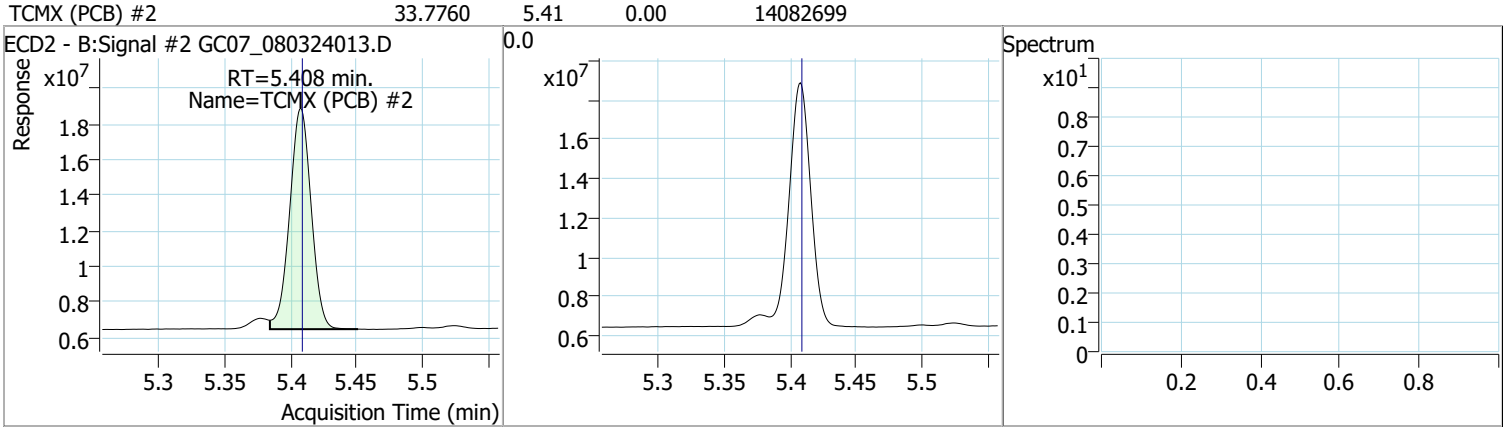
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.493	0.0	12482300.625	358.3582	ng/ml		100
T AR1016 2	5.846	0.0	25198681.684	348.2390	ng/ml		100
T AR1016 1 #2	5.912	0.0	3238101.433	352.8043	ng/ml		100
T AR1016 3	6.325	0.0	32531797.314	375.8538	ng/ml		100
T AR1016 2 #2	6.351	0.0	7030482.278	370.7526	ng/ml		100
T AR1016 4	6.473	0.0	19012629.390	314.0065	ng/ml	m	100
T AR1016 3 #2	6.923	0.0	8471552.057	358.1997	ng/ml		100
T AR1016 5	6.963	0.0	18053558.462	339.2092	ng/ml		100
T AR1016 4 #2	7.108	0.0	6138921.129	351.1337	ng/ml		100
T AR1016 5 #2	7.835	0.0	5216325.240	368.9032	ng/ml		100
T AR1260 1	8.953	0.0	20072322.546	188.0433	ng/ml		100
T AR1260 2	9.395	0.0	59975539.954	367.8862	ng/ml		100
T AR1260 3	9.816	0.0	65170042.365	371.5317	ng/ml		100
T AR1260 1 #2	10.011	0.0	9743293.714	387.4288	ng/ml	m	100
T AR1260 2 #2	10.273	0.0	11532998.170	365.0451	ng/ml		100
T AR1260 4	10.287	0.0	29305635.796	288.9815	ng/ml		100
T AR1260 3 #2	10.702	0.0	15338560.319	403.3401	ng/ml		100
T AR1260 5	10.963	0.0	40104516.896	330.2558	ng/ml	m	100
T AR1260 4 #2	11.120	0.0	8066263.450	335.4431	ng/ml		100
T AR1260 5 #2	11.814	0.0	11297186.323	316.4563	ng/ml		100

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

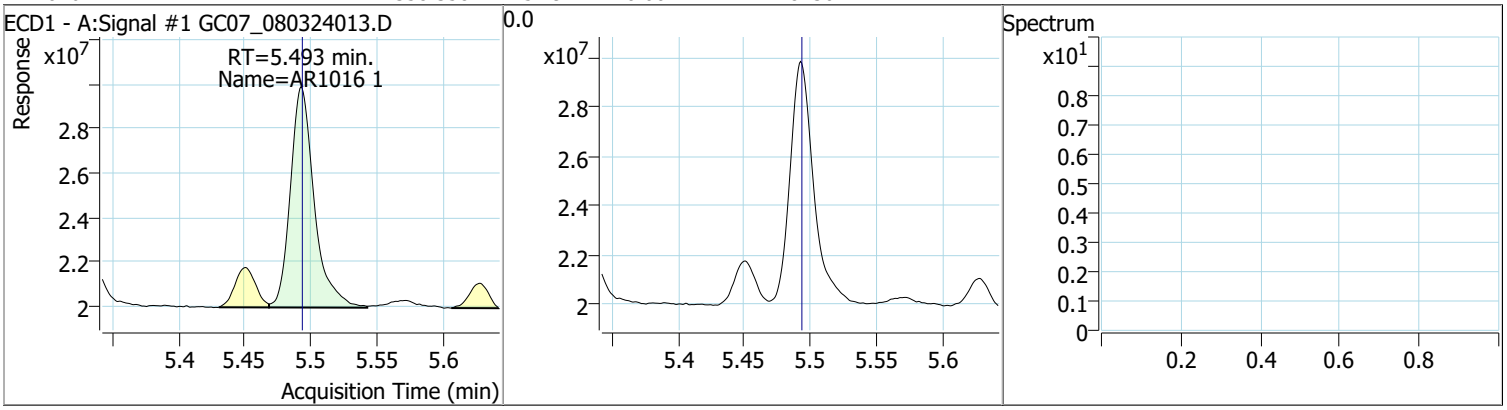
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.9525	5.12	0.00	61512717				



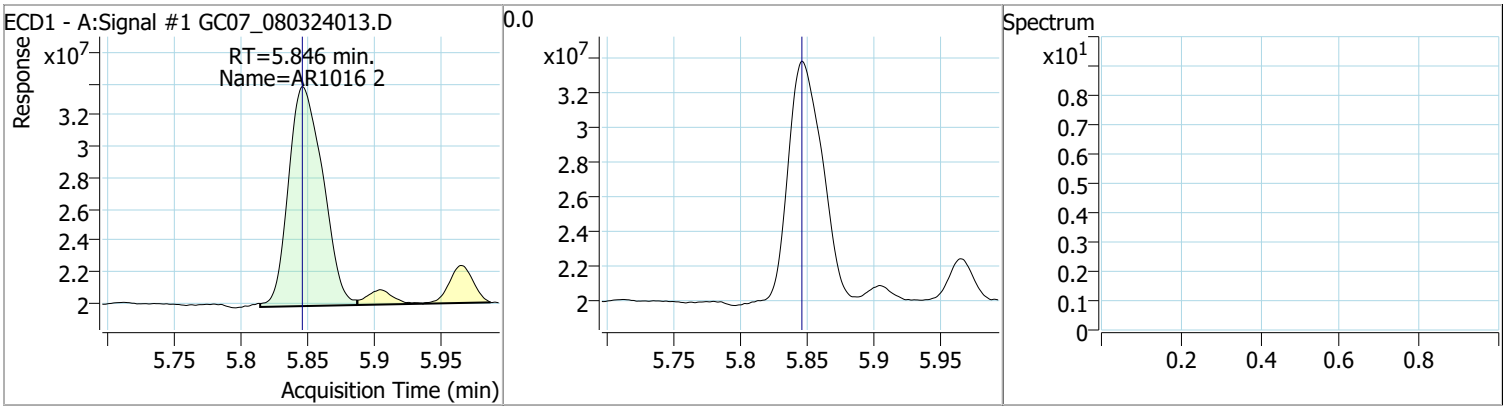
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.7760	5.41	0.00	14082699				



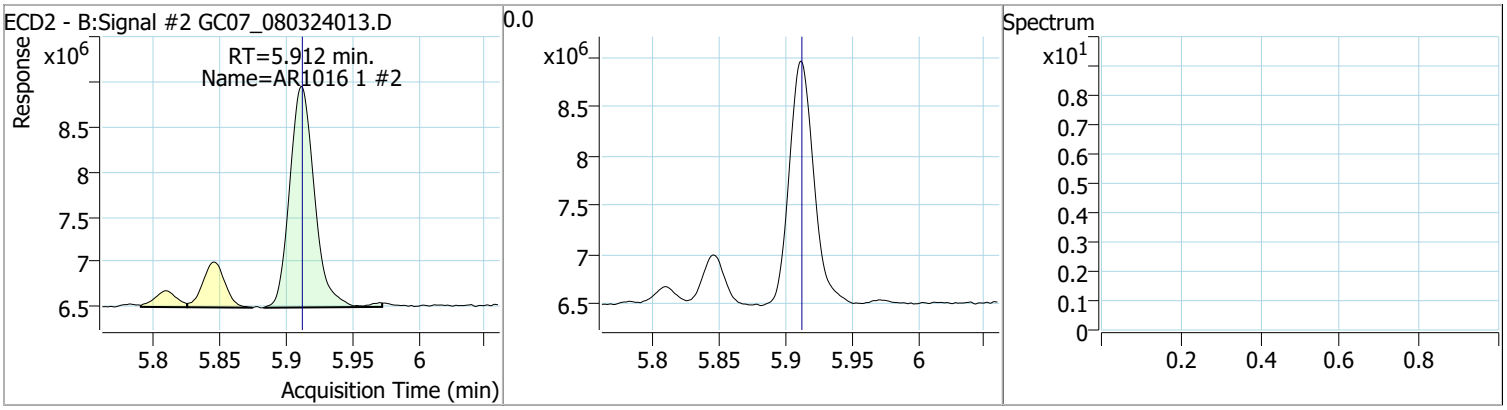
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	358.3582	5.49	0.00	12482301				



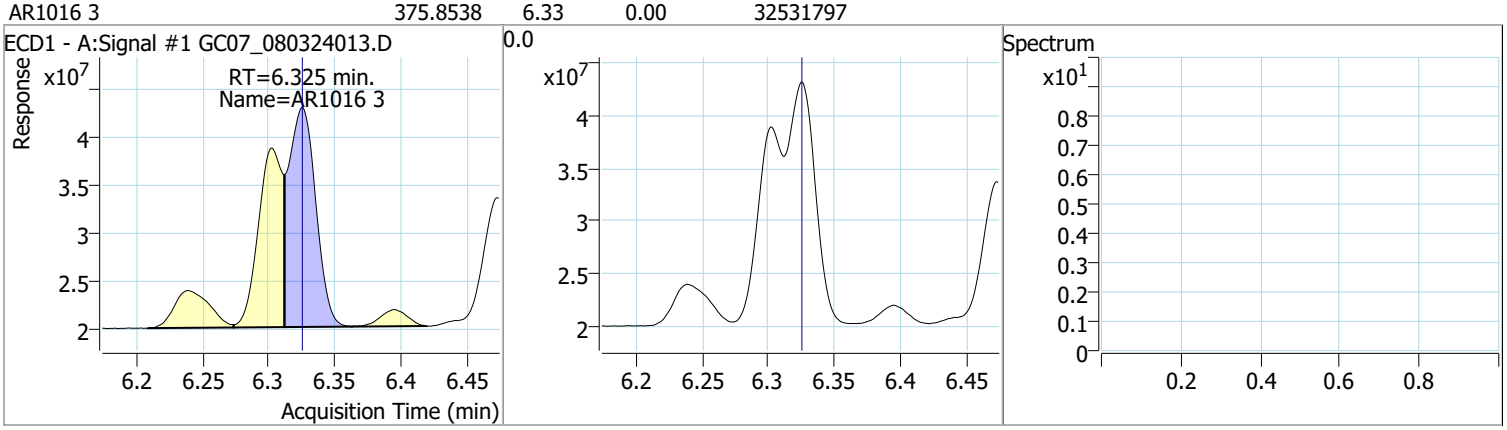
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	348.2390	5.85	0.00	25198682				



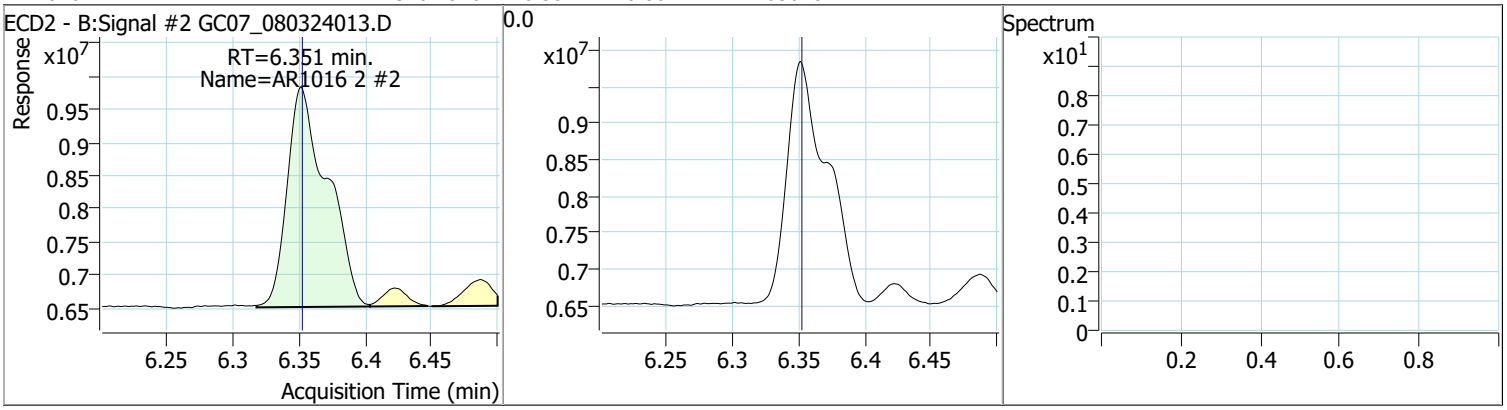
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	352.8043	5.91	0.00	3238101				



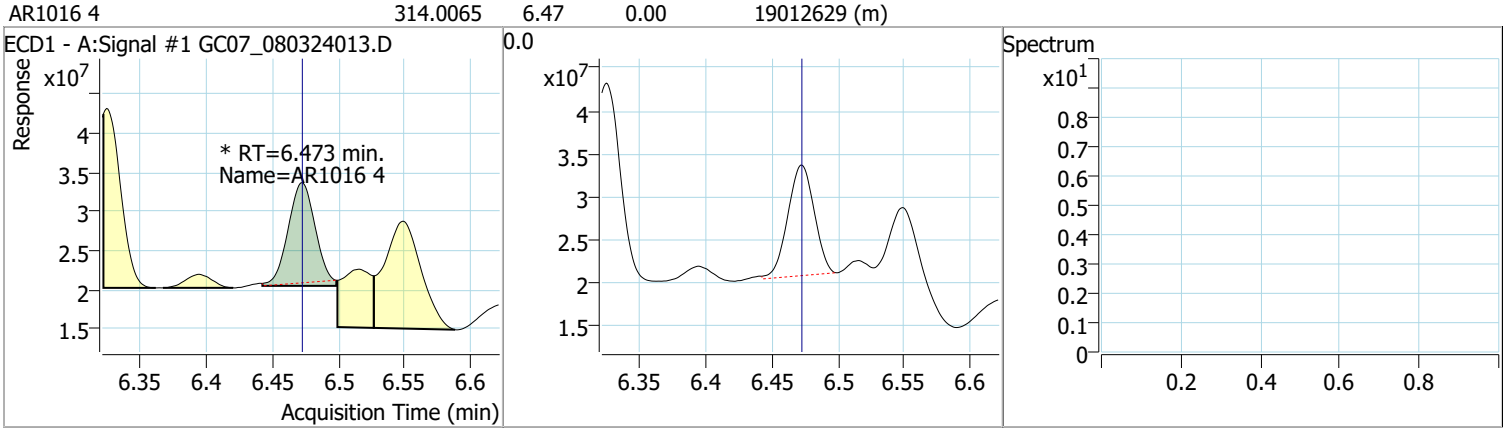
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	375.8538	6.33	0.00	32531797				



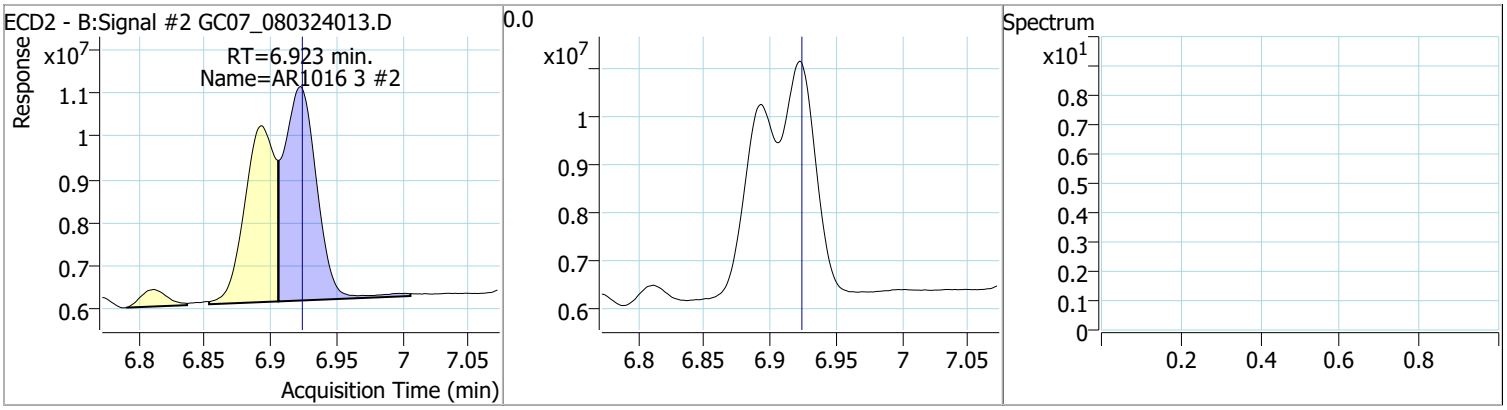
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	370.7526	6.35	0.00	7030482				



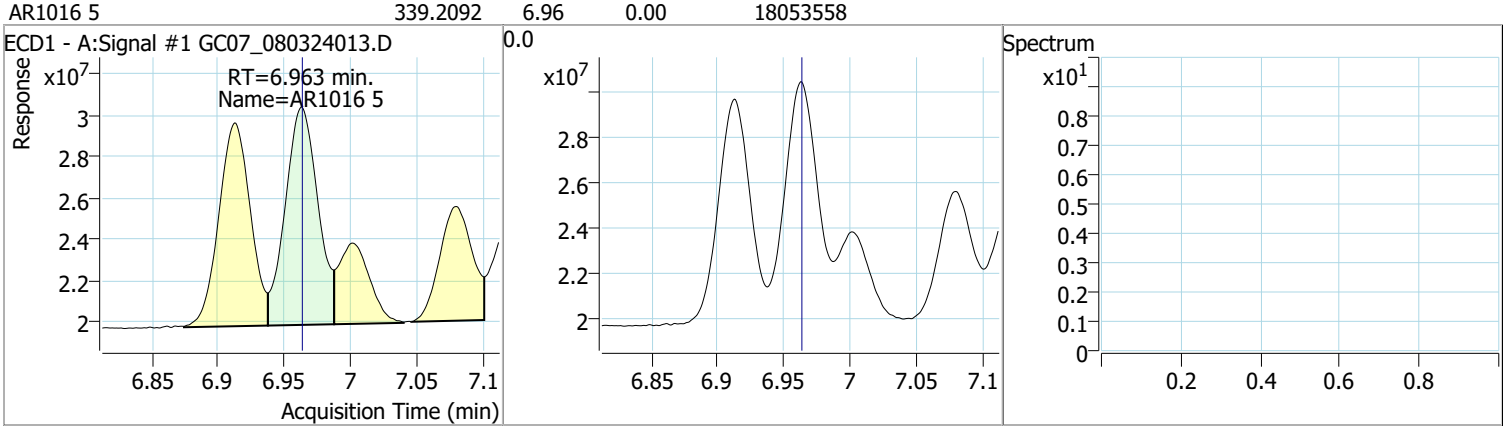
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	314.0065	6.47	0.00	19012629 (m)				



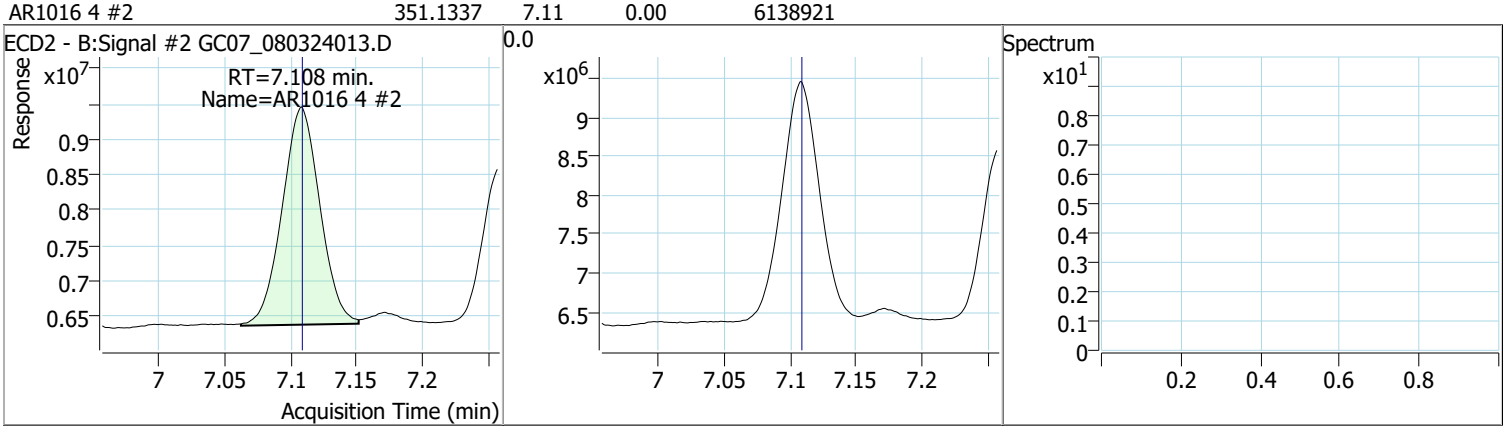
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	358.1997	6.92	0.00	8471552				



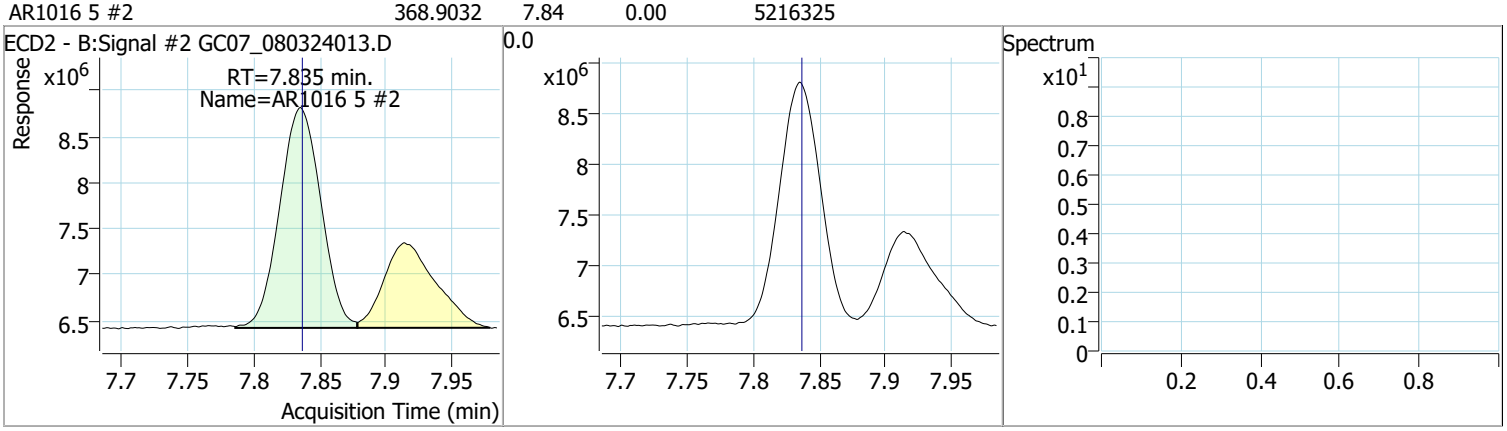
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	339.2092	6.96	0.00	18053558				



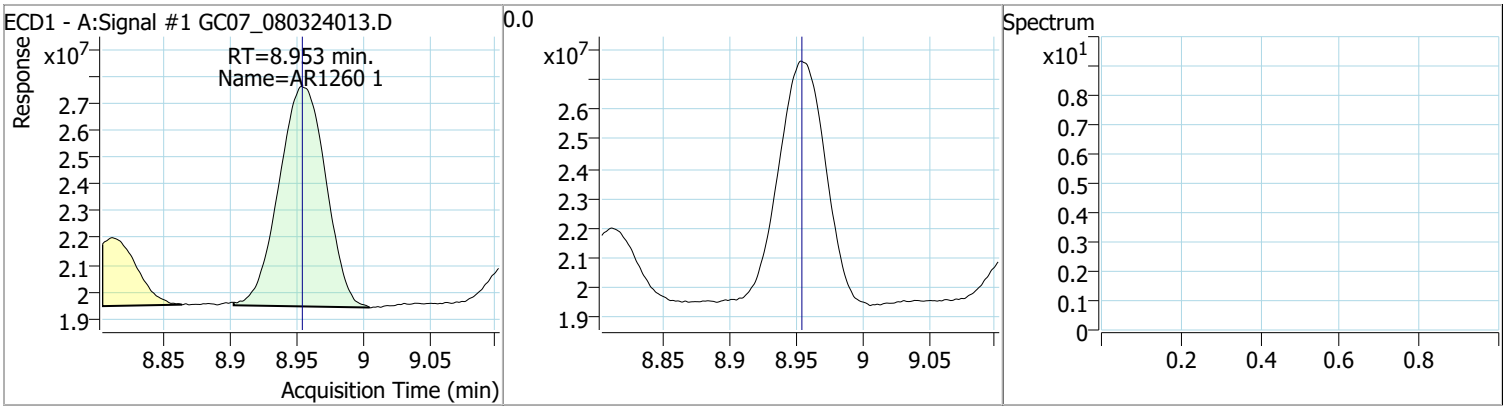
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	351.1337	7.11	0.00	6138921				



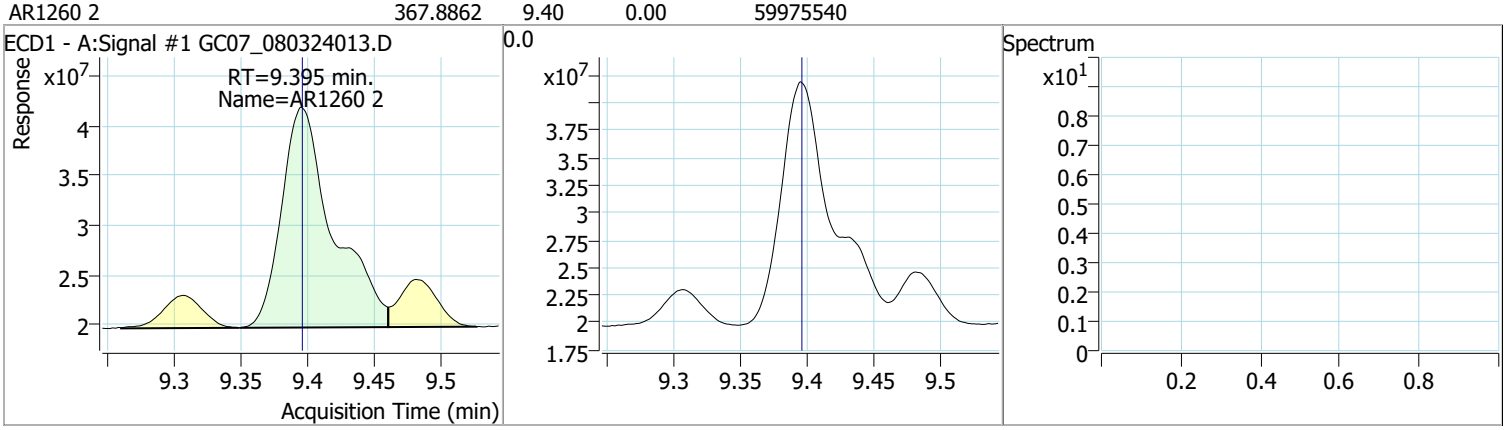
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	368.9032	7.84	0.00	5216325				



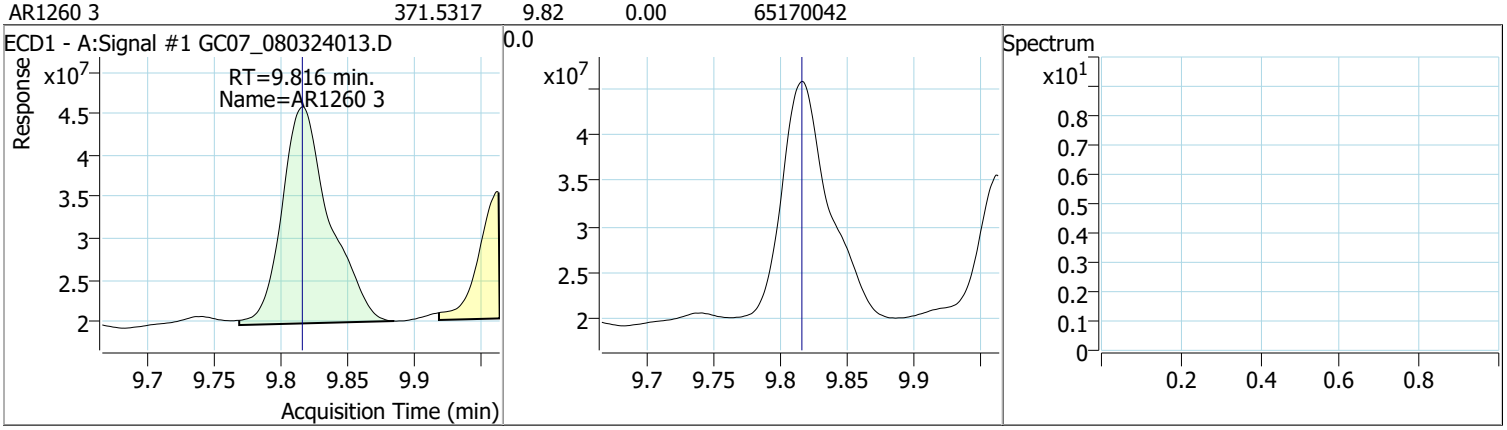
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	188.0433	8.95	0.00	20072323				



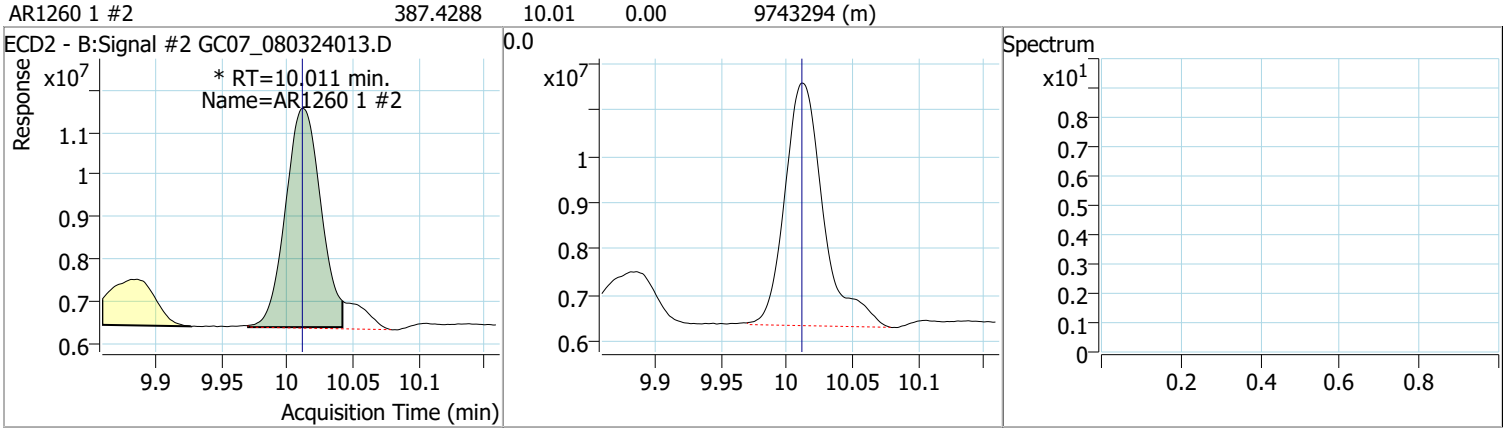
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	367.8862	9.40	0.00	59975540				



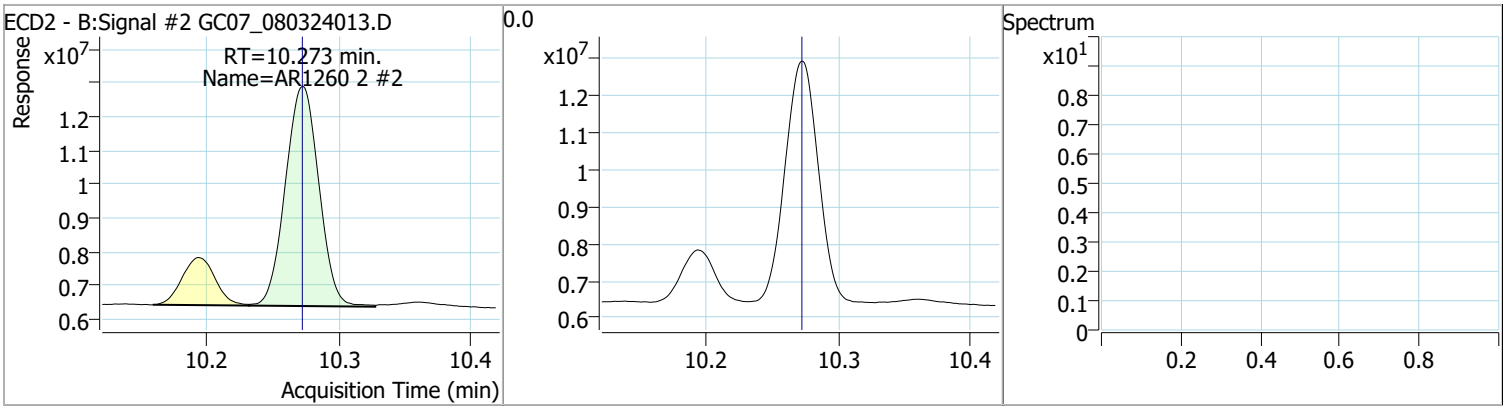
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	371.5317	9.82	0.00	65170042				



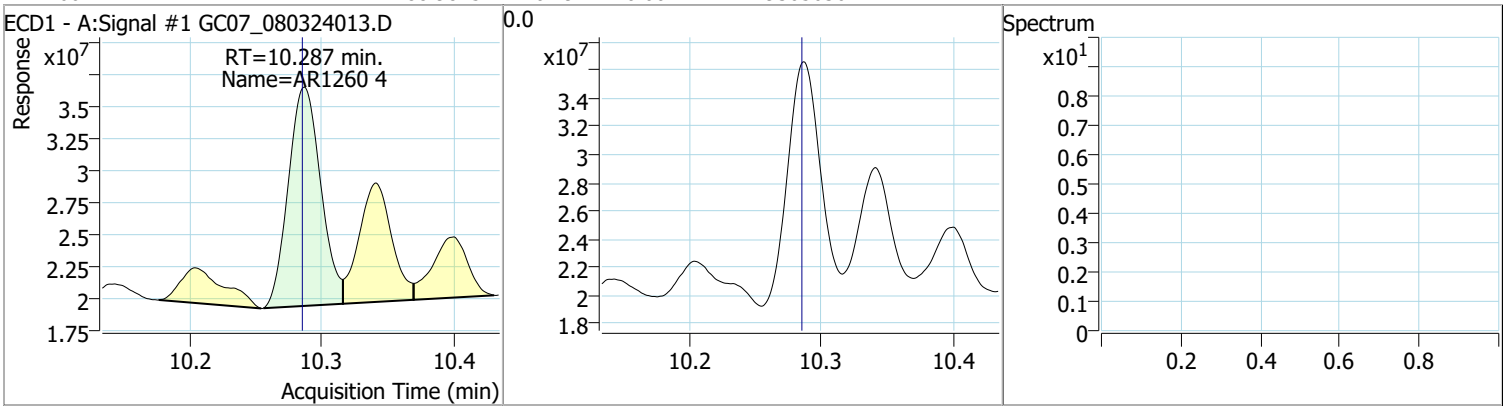
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	387.4288	10.01	0.00	9743294 (m)				



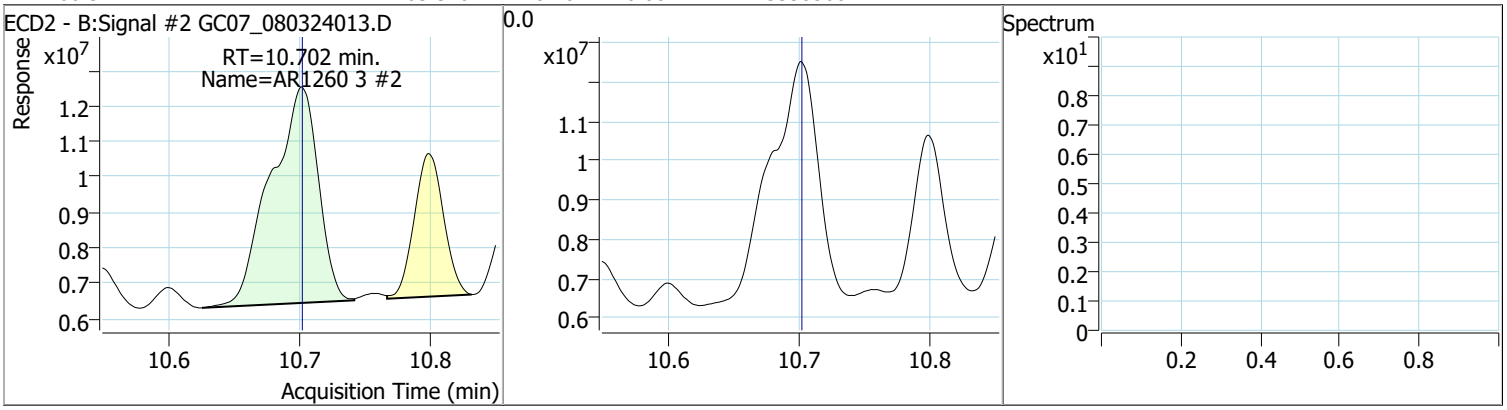
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	365.0451	10.27	0.00	11532998				



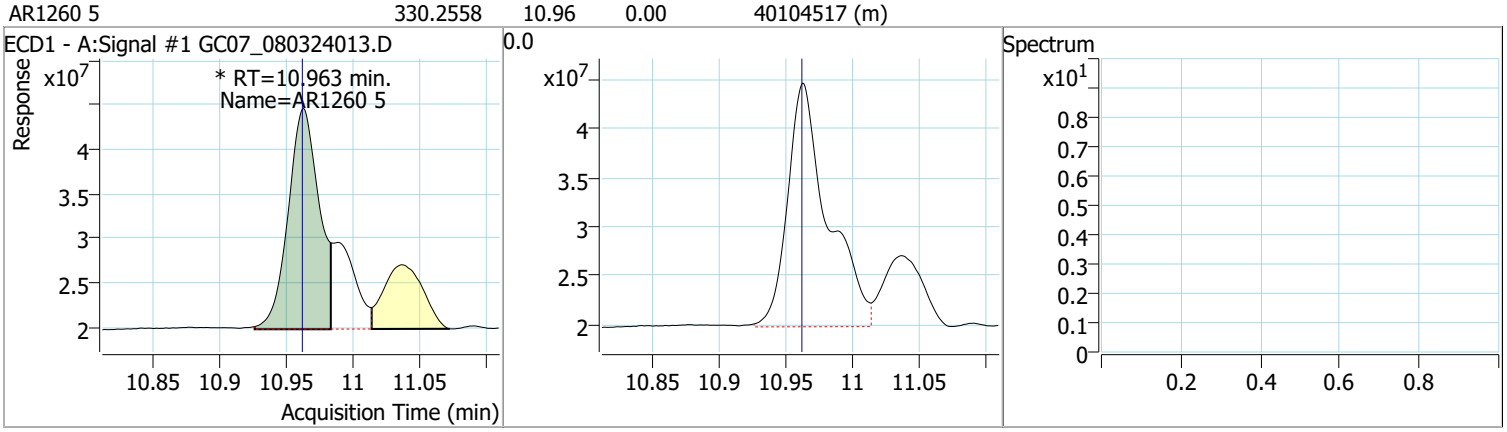
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	288.9815	10.29	0.00	29305636				



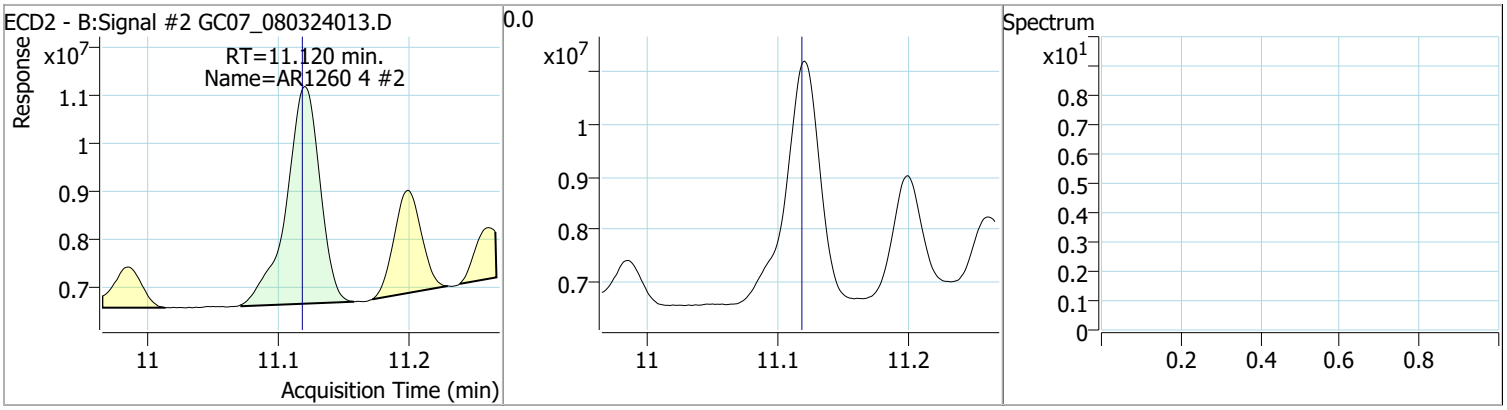
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	403.3401	10.70	0.00	15338560				



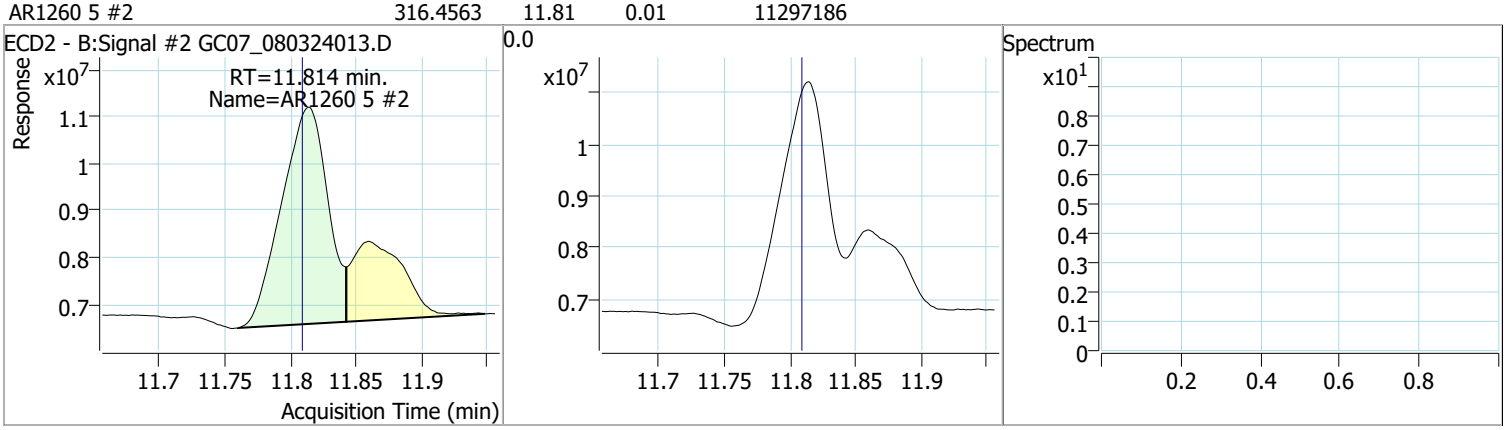
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	330.2558	10.96	0.00	40104517 (m)				



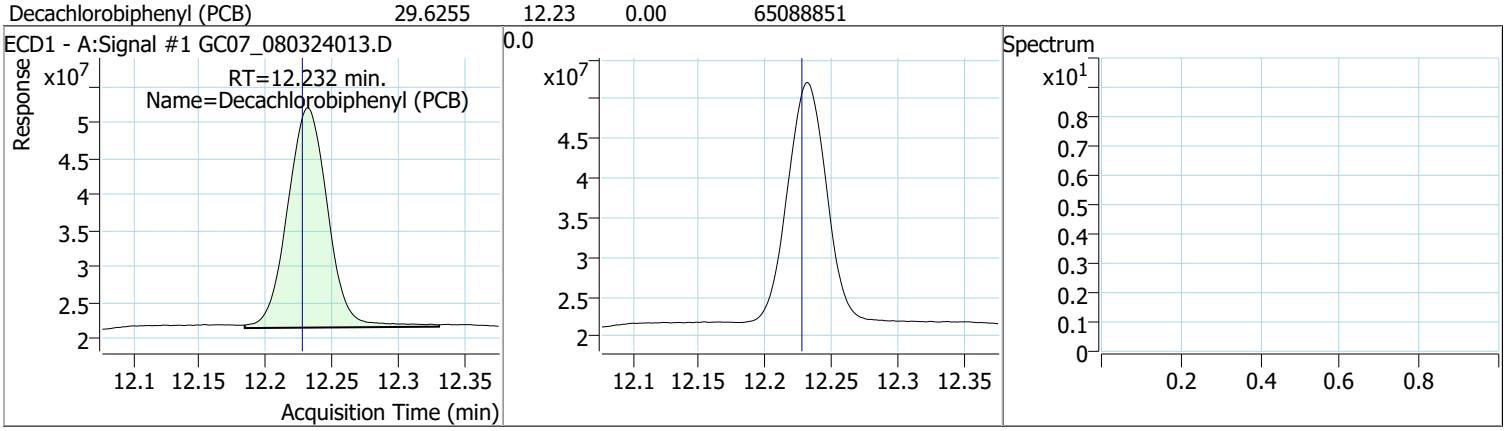
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	335.4431	11.12	0.00	8066263				



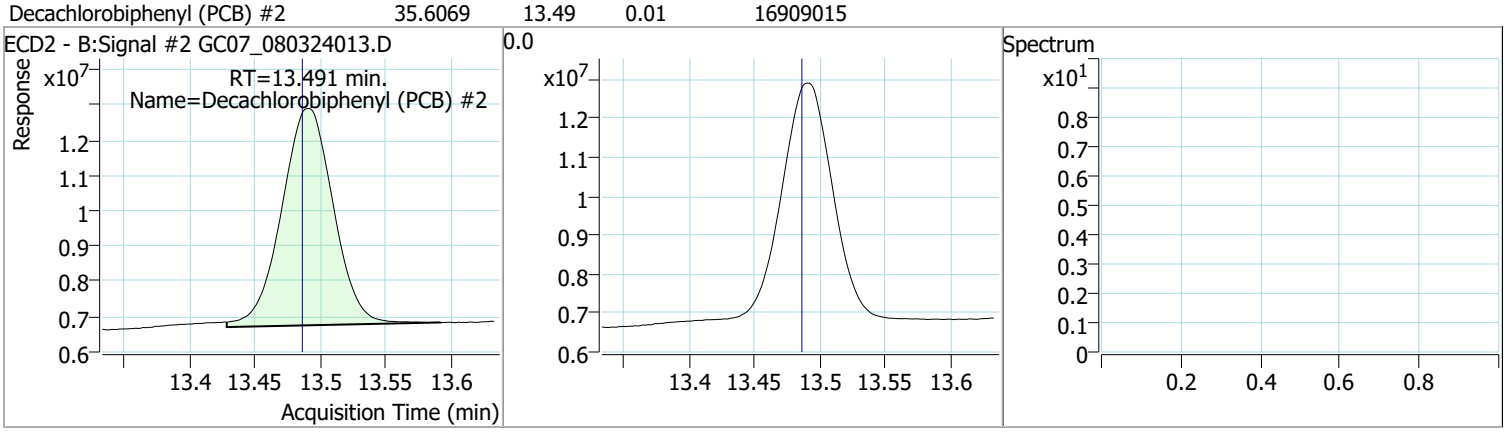
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	316.4563	11.81	0.01	11297186				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.6255	12.23	0.00	65088851				

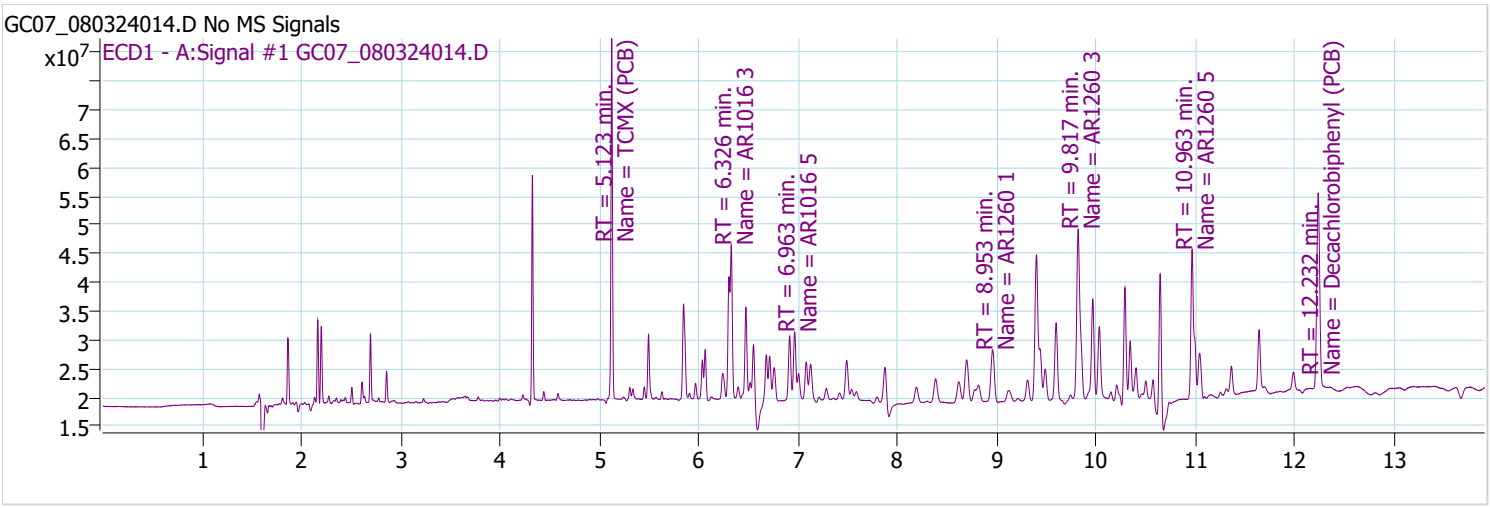


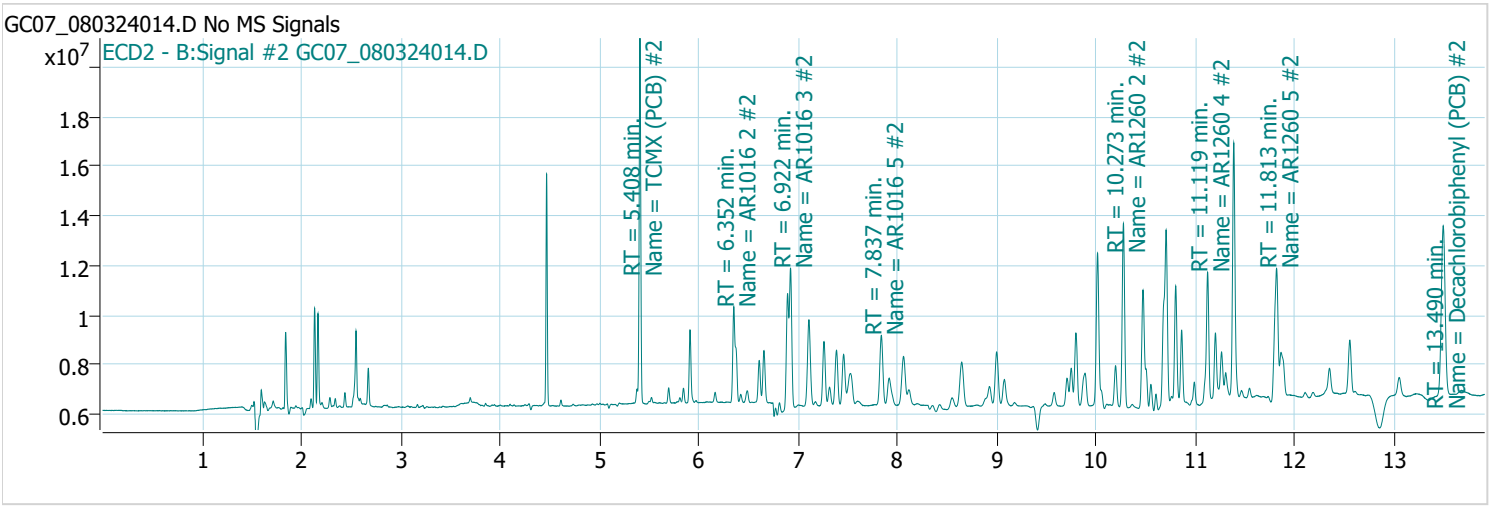
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.6069	13.49	0.01	16909015				



Quantitation Results Report (Not Reviewed)

Data File	GC07_080324014.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:35:01 PM
Sample Name	QC1174811, 346569, 1	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



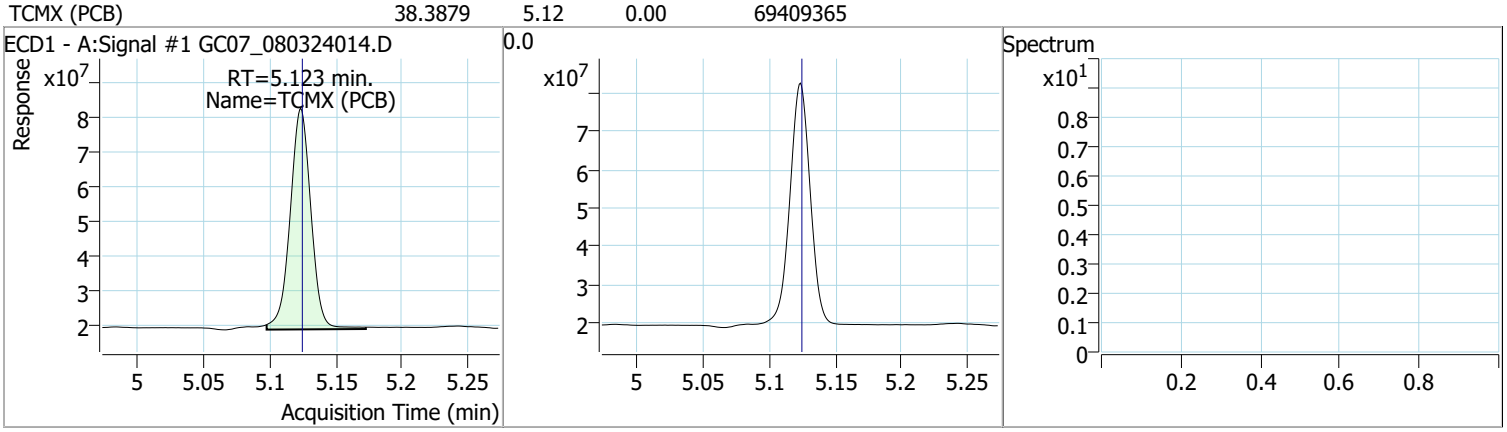


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	38598061.394	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8561647.550	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	69409365.464	38.3879	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.94%		*	
S TCMX (PCB) #2	5.408	0.0	16550599.126	40.3025	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.51%		*	
S Decachlorobiphenyl (PCB)	12.232	0.0	72980161.029	34.2939	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.47%		*	
S Decachlorobiphenyl (PCB) #2	13.490	0.0	18997434.587	40.6168	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.08%		*	
Target Compounds							QValue

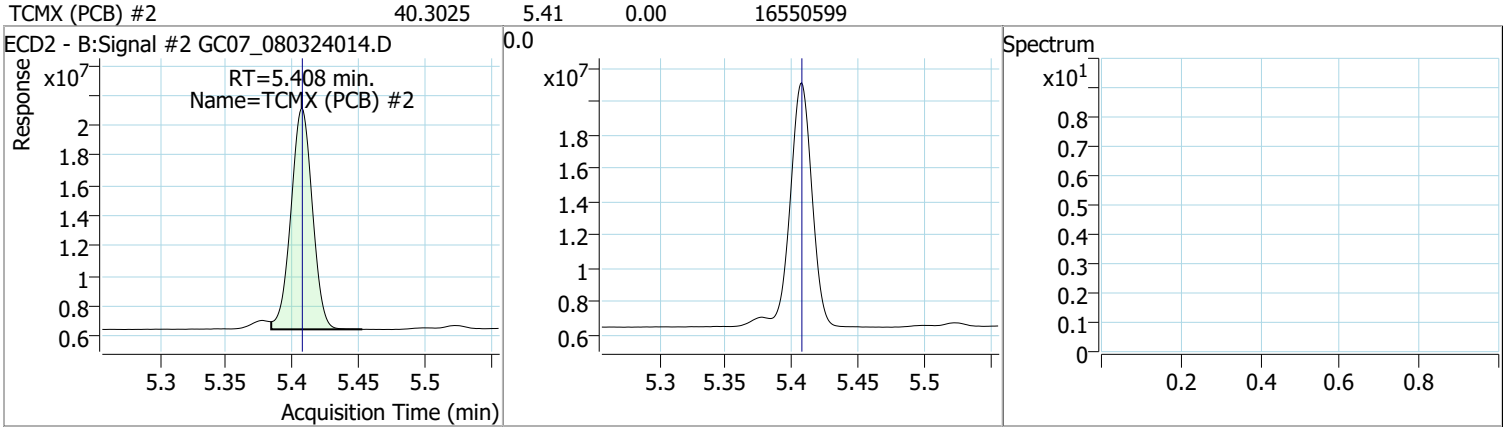
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.493	0.0	14530672.712	430.6868	ng/ml		100
T AR1016 2	5.847	0.0	28951425.454	413.0690	ng/ml		100
T AR1016 1 #2	5.911	0.0	3772095.507	417.2742	ng/ml		100
T AR1016 3	6.326	0.0	37582176.388	450.7120	ng/ml		100
T AR1016 2 #2	6.352	0.0	7989276.767	427.7617	ng/ml		100
T AR1016 4	6.473	0.0	20060249.150	342.0471	ng/ml	m	100
T AR1016 3 #2	6.922	0.0	9742592.731	418.2464	ng/ml		100
T AR1016 5	6.963	0.0	20403727.187	395.7923	ng/ml		100
T AR1016 4 #2	7.108	0.0	7171252.606	416.4577	ng/ml		100
T AR1016 5 #2	7.837	0.0	6135040.976	440.5150	ng/ml		100
T AR1260 1	8.953	0.0	22083517.888	213.5904	ng/ml		100
T AR1260 2	9.398	0.0	55611561.727	352.1742	ng/ml		100
T AR1260 3	9.817	0.0	74016809.392	435.6436	ng/ml		100
T AR1260 1 #2	10.012	0.0	11305996.720	456.4470	ng/ml	m	100
T AR1260 2 #2	10.273	0.0	12550307.654	403.3241	ng/ml		100
T AR1260 4	10.288	0.0	33146139.233	337.4465	ng/ml		100
T AR1260 3 #2	10.702	0.0	17659092.613	471.4663	ng/ml		100
T AR1260 5	10.963	0.0	43309250.672	368.2061	ng/ml	m	100
T AR1260 4 #2	11.119	0.0	9215874.952	389.1154	ng/ml		100
T AR1260 5 #2	11.813	0.0	13036717.242	370.7722	ng/ml		100

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

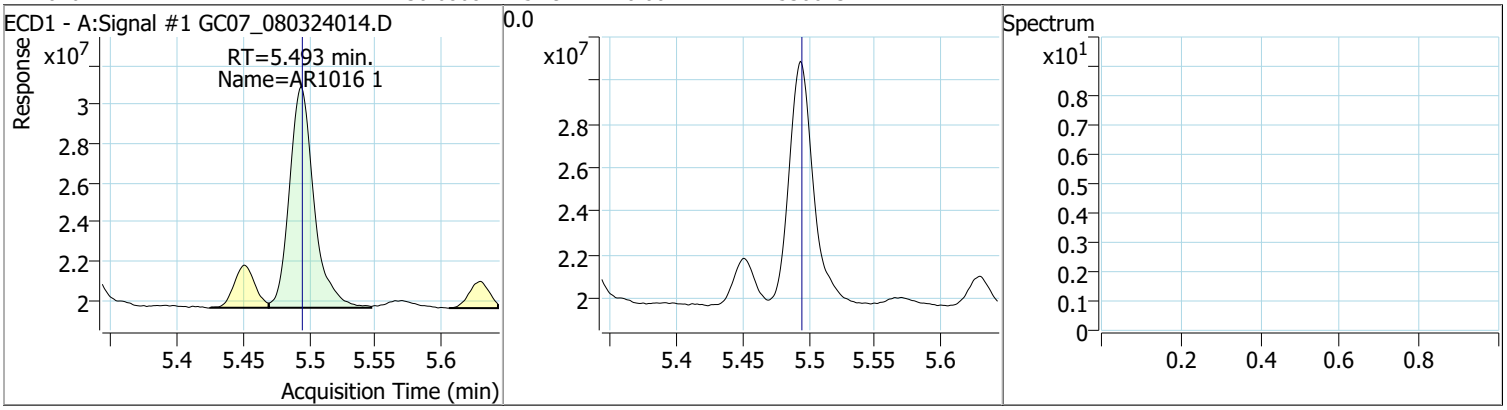
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.3879	5.12	0.00	69409365				



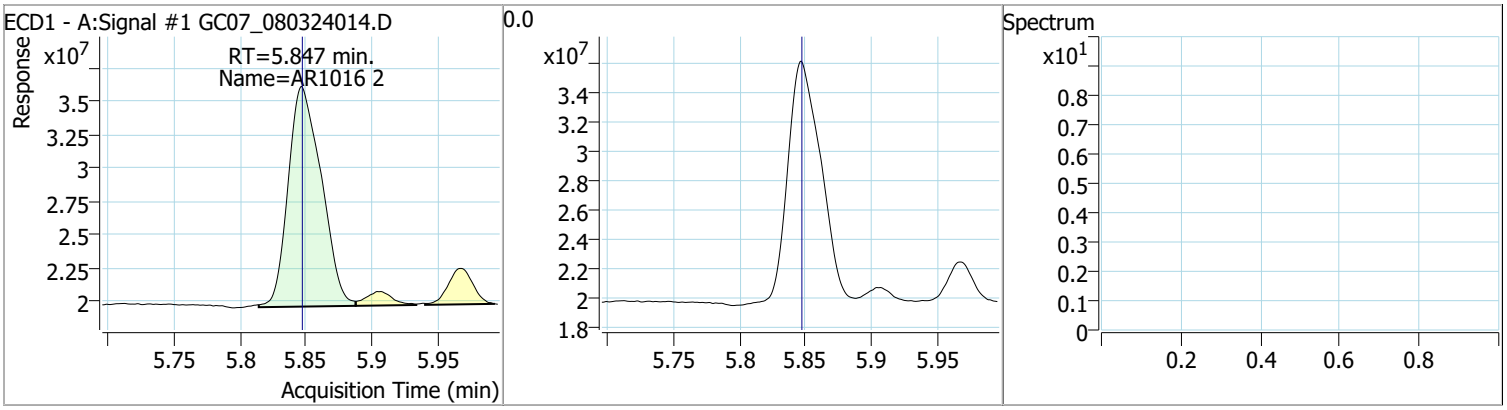
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.3025	5.41	0.00	16550599				



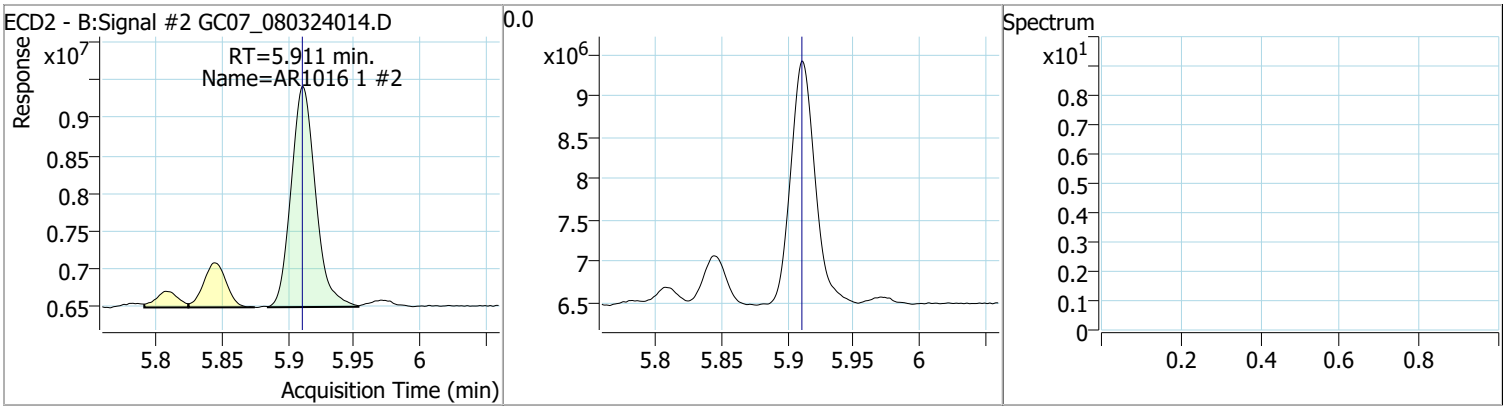
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	430.6868	5.49	0.00	14530673				



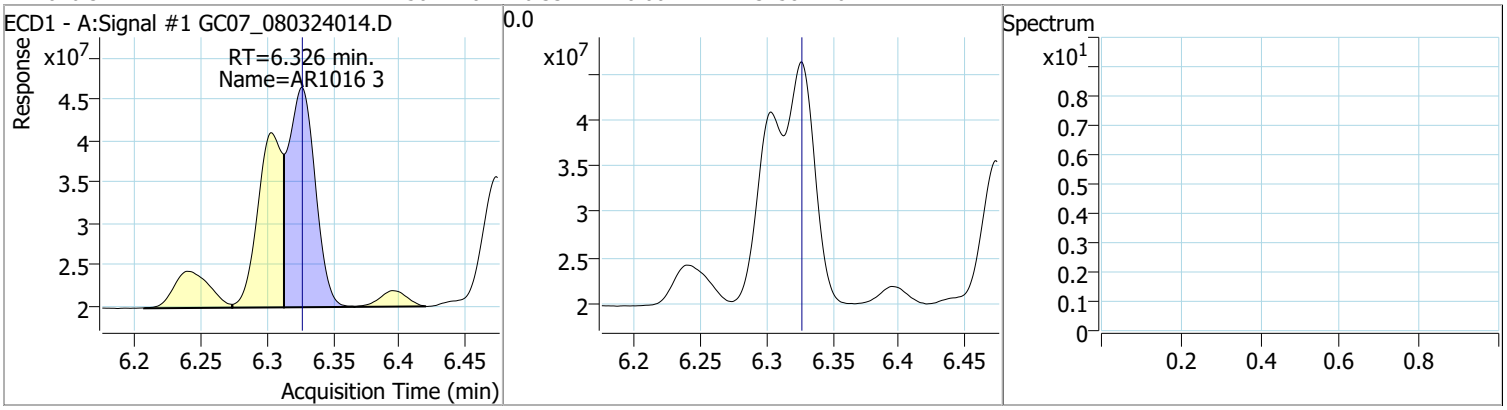
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	413.0690	5.85	0.00	28951425				



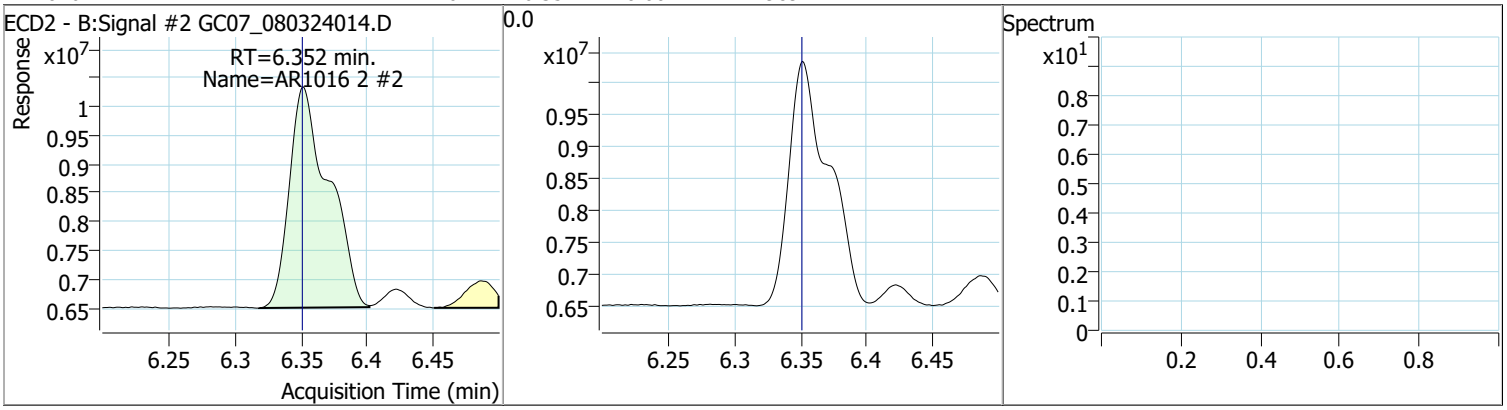
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	417.2742	5.91	0.00	3772096				



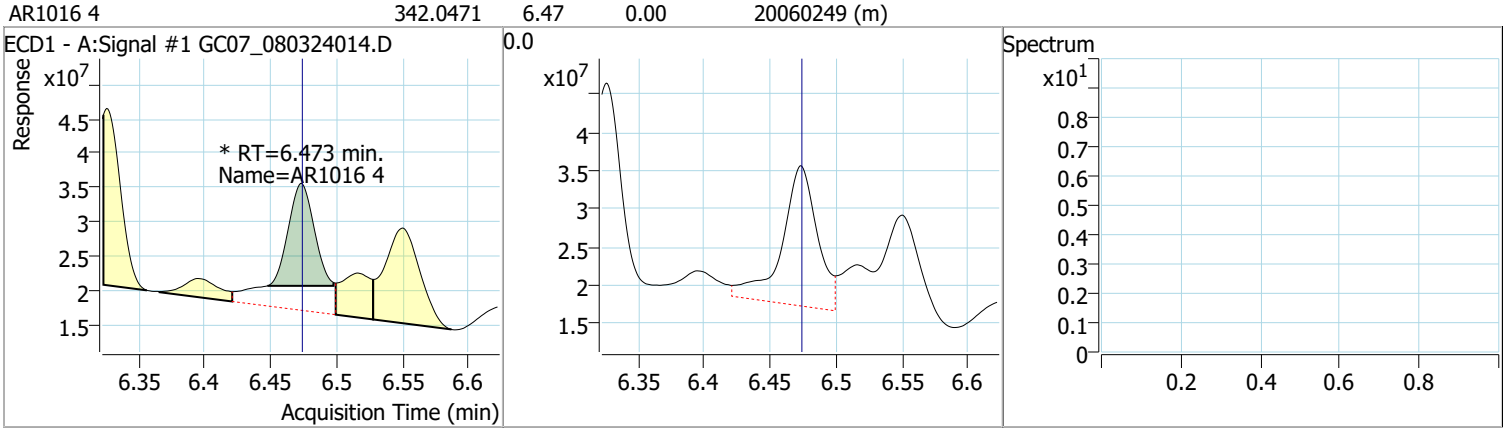
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	450.7120	6.33	0.00	37582176				



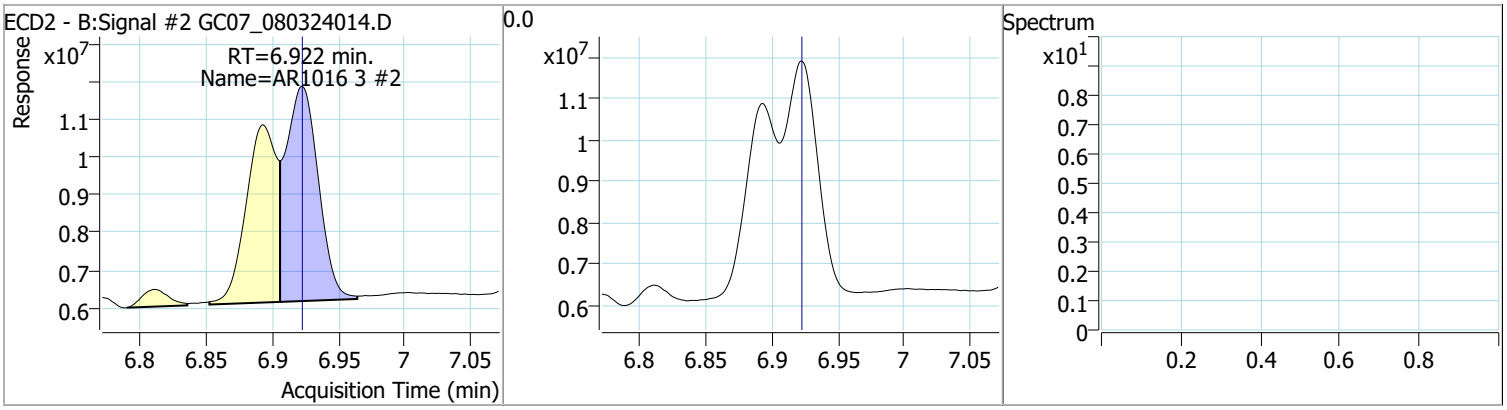
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	427.7617	6.35	0.00	7989277				



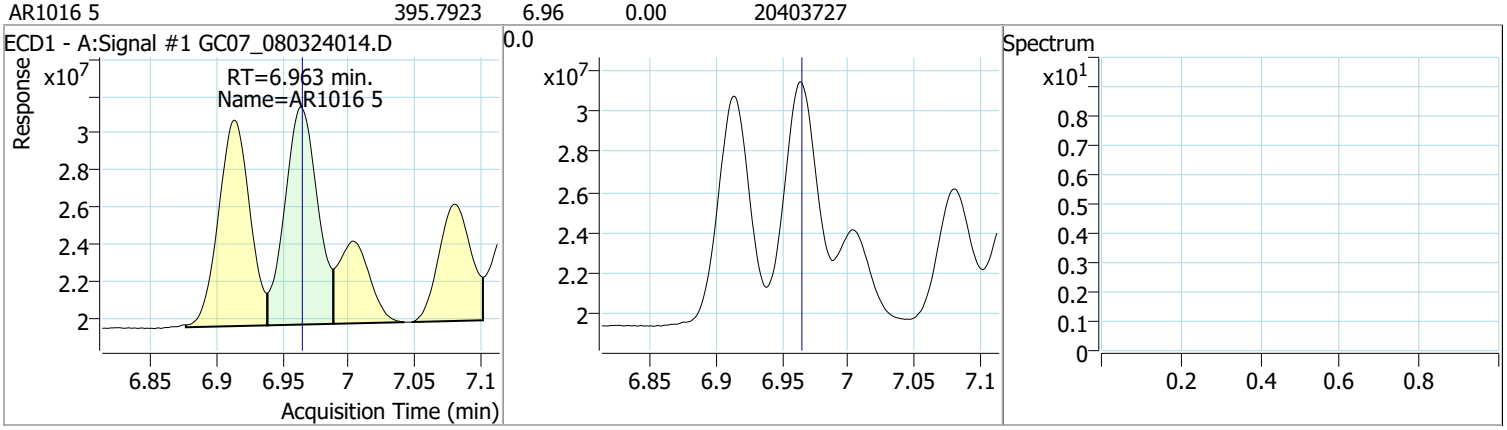
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	342.0471	6.47	0.00	20060249 (m)				



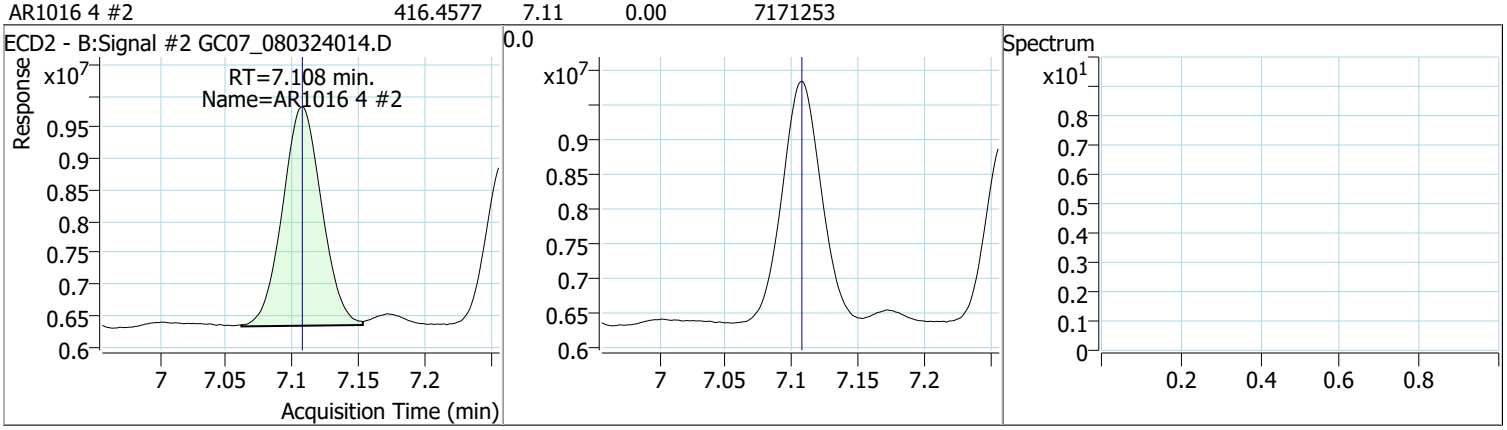
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	418.2464	6.92	0.00	9742593				



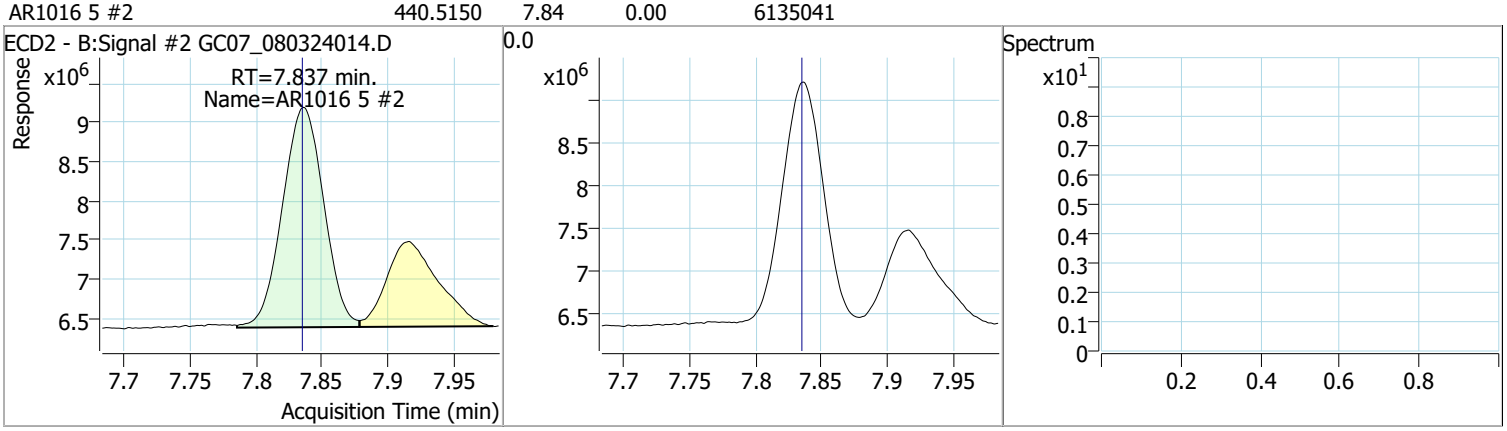
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	395.7923	6.96	0.00	20403727				



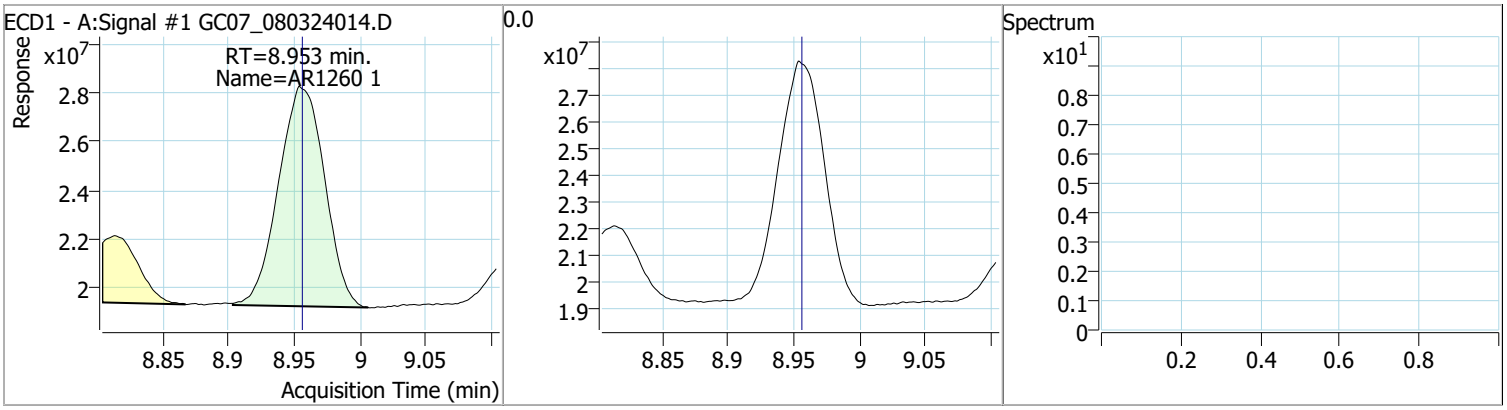
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	416.4577	7.11	0.00	7171253				



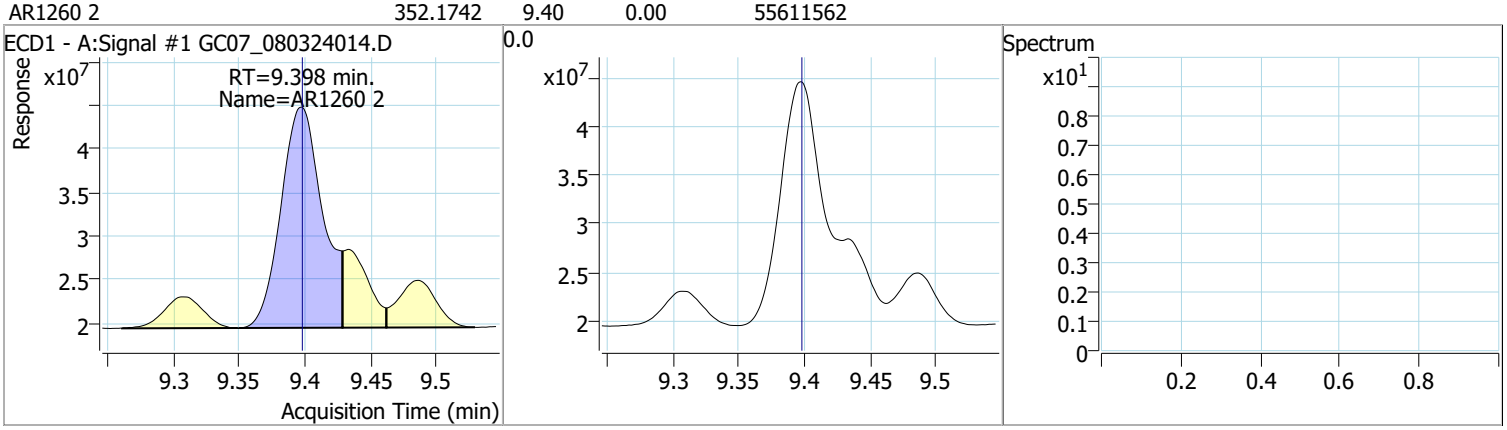
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	440.5150	7.84	0.00	6135041				



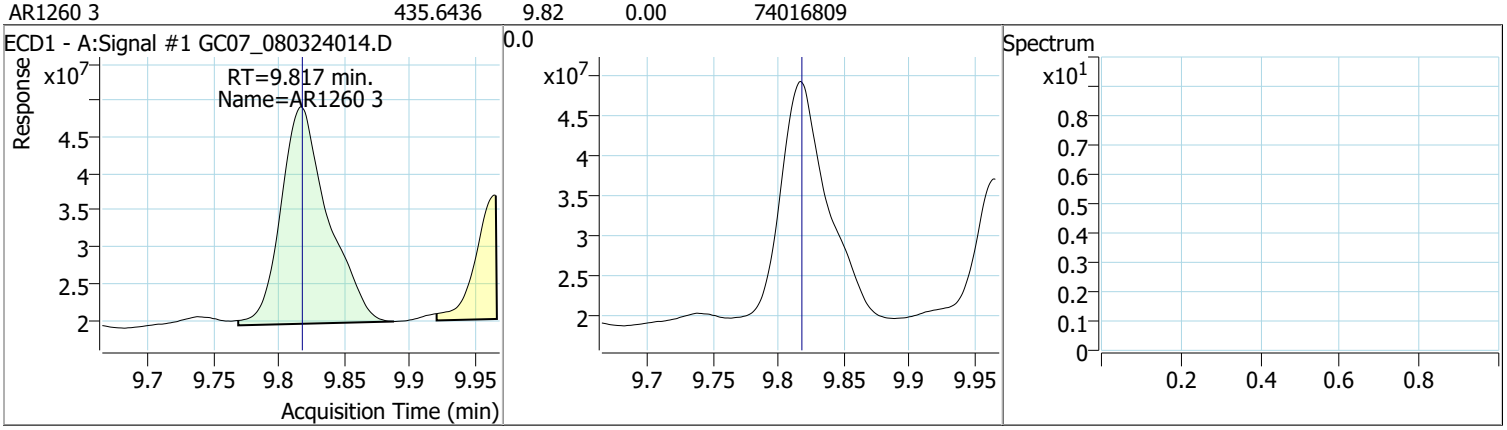
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	213.5904	8.95	0.00	22083518				



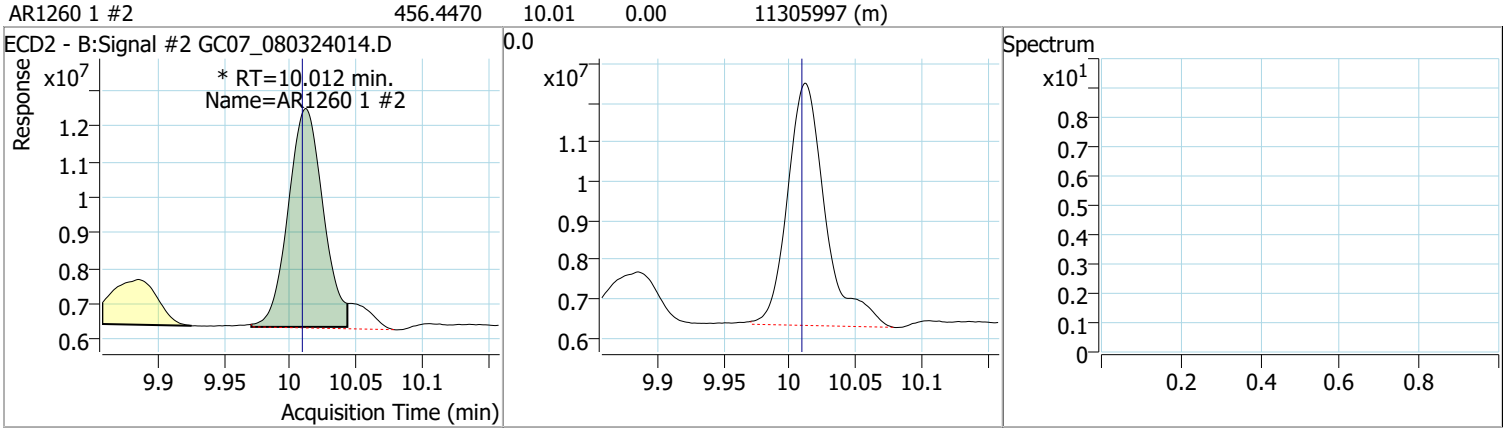
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	352.1742	9.40	0.00	55611562				



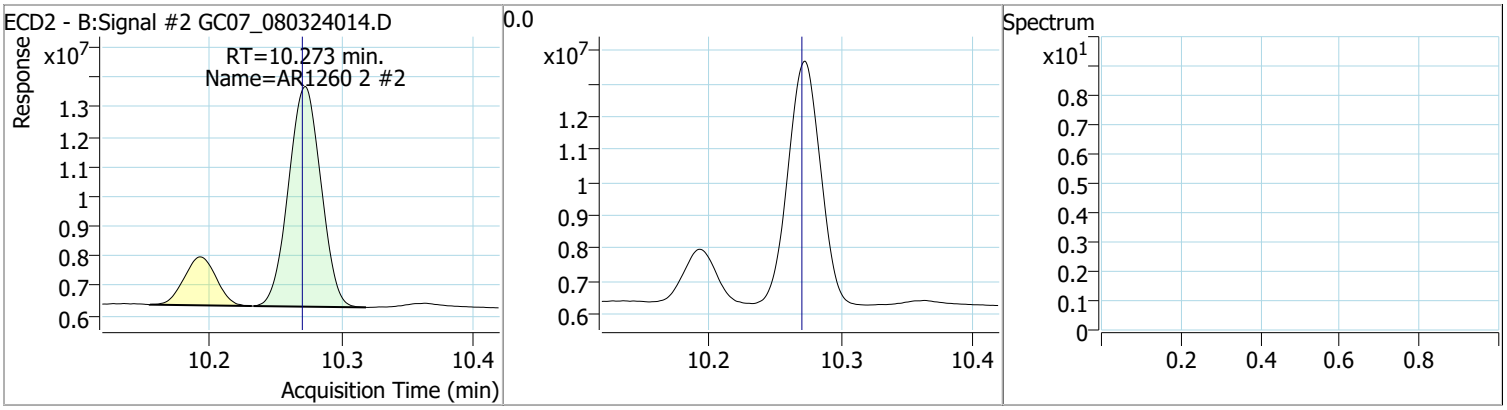
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	435.6436	9.82	0.00	74016809				



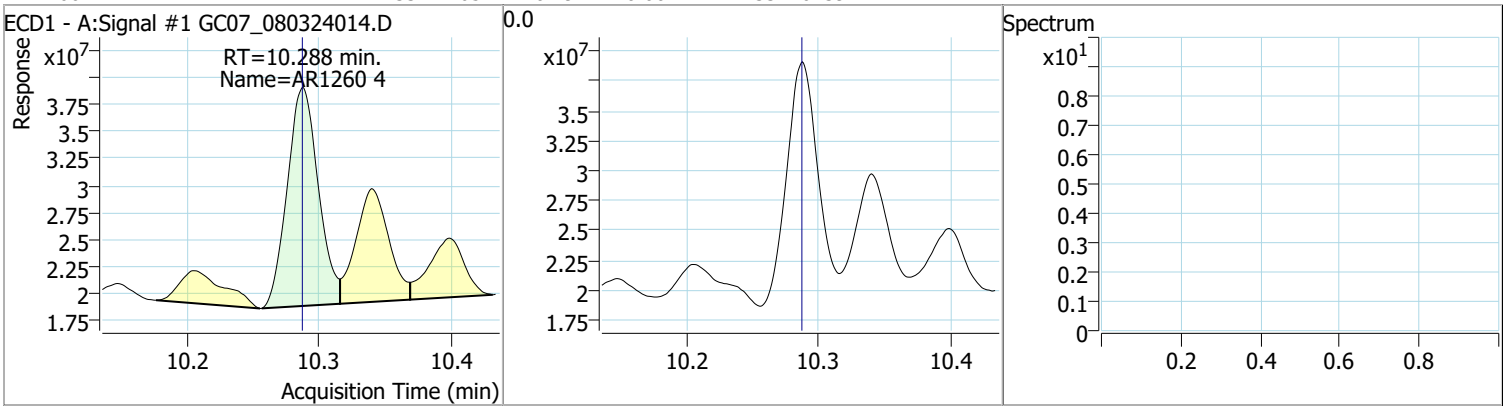
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	456.4470	10.01	0.00	11305997 (m)				



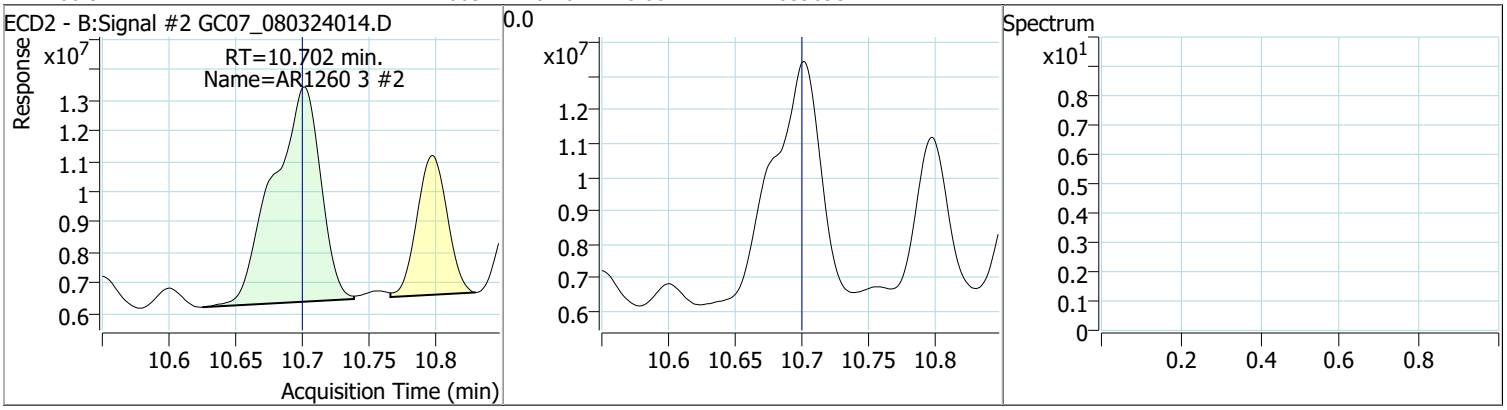
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	403.3241	10.27	0.00	12550308				



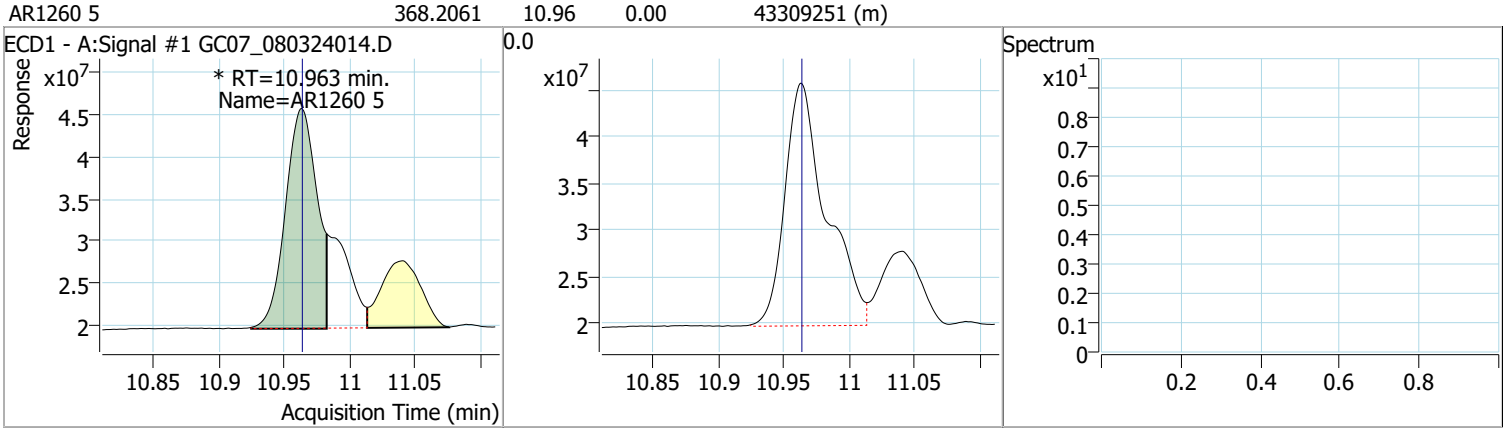
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	337.4465	10.29	0.00	33146139				



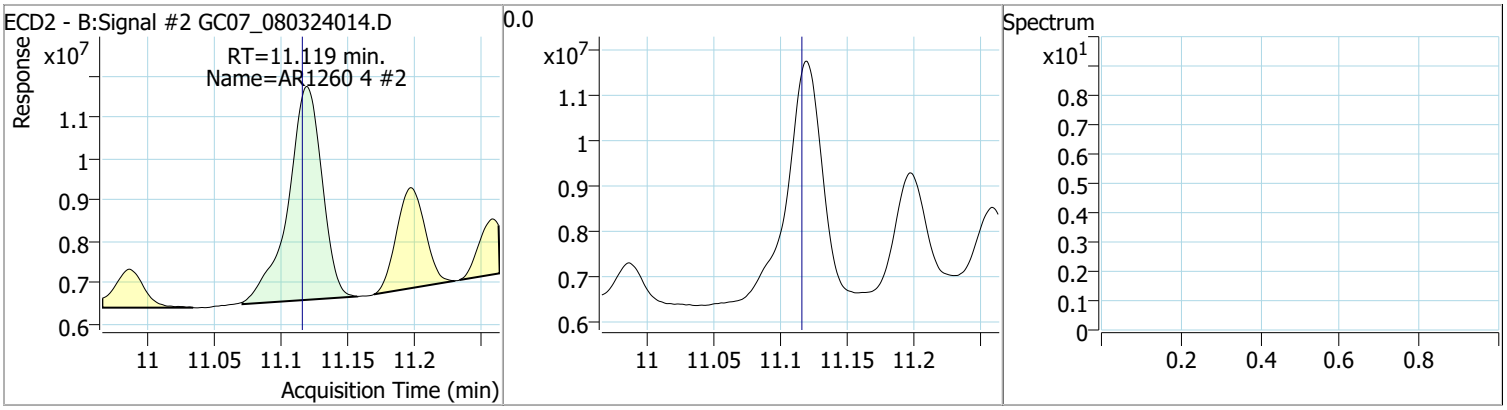
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	471.4663	10.70	0.00	17659093				



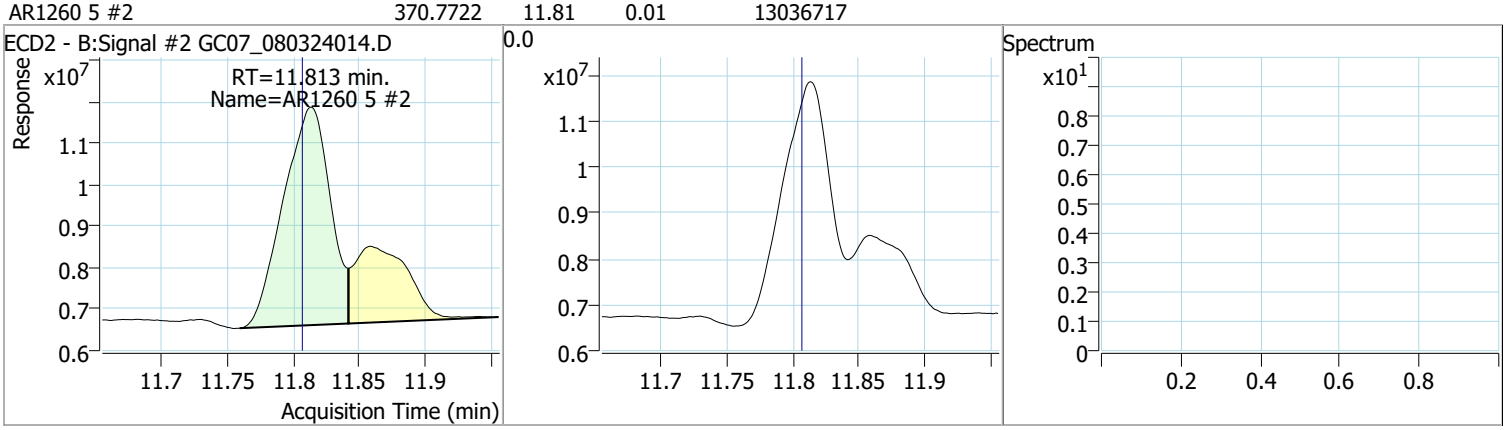
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	368.2061	10.96	0.00	43309251 (m)				



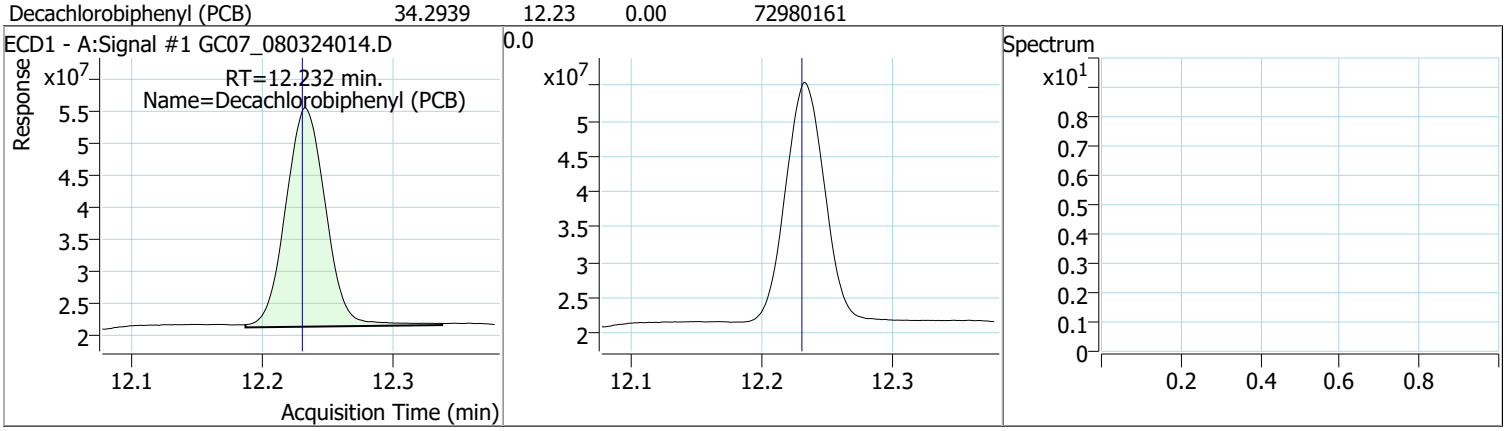
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	389.1154	11.12	0.00	9215875				



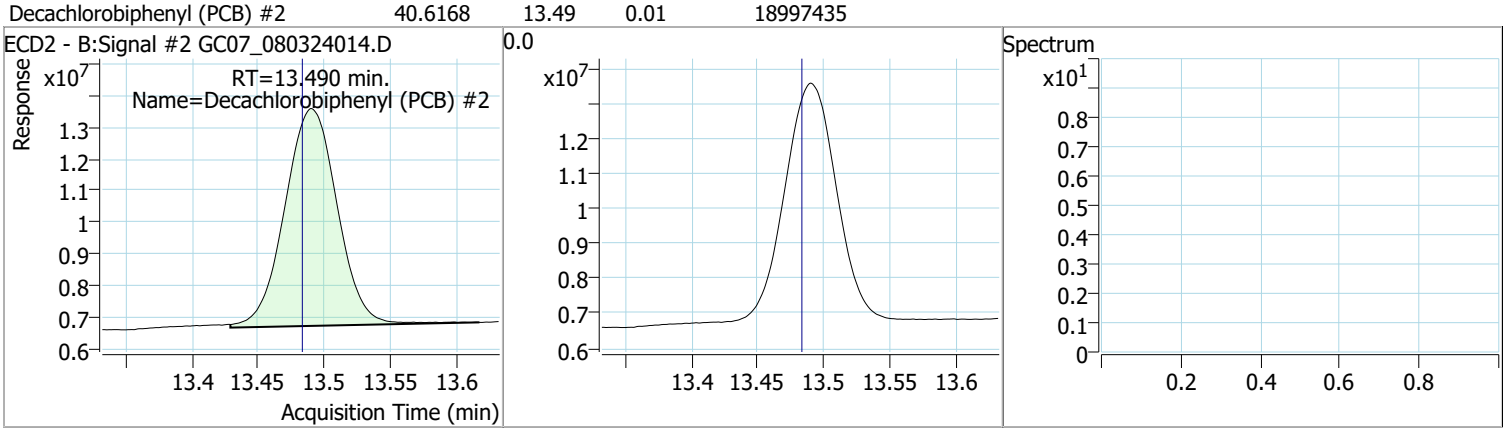
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	370.7722	11.81	0.01	13036717				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.2939	12.23	0.00	72980161				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.6168	13.49	0.01	18997435				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = a0 + (amount × a1) + (amount² × a2) (invert equation before quantitating)
Where the X-Axis holds the (R)esponse: Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
QUAD: Quadratic regression

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	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

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	16	20.000	**36**	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	**-21**	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	**38**	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	**22**	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	**24**	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	**21**	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	**-21**
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	**-21**		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

ENTHALPY INITIAL CALIBRATION FOR 513150 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_ICAL_062824
Calibration #:	464259633001	Date:	28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513150 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

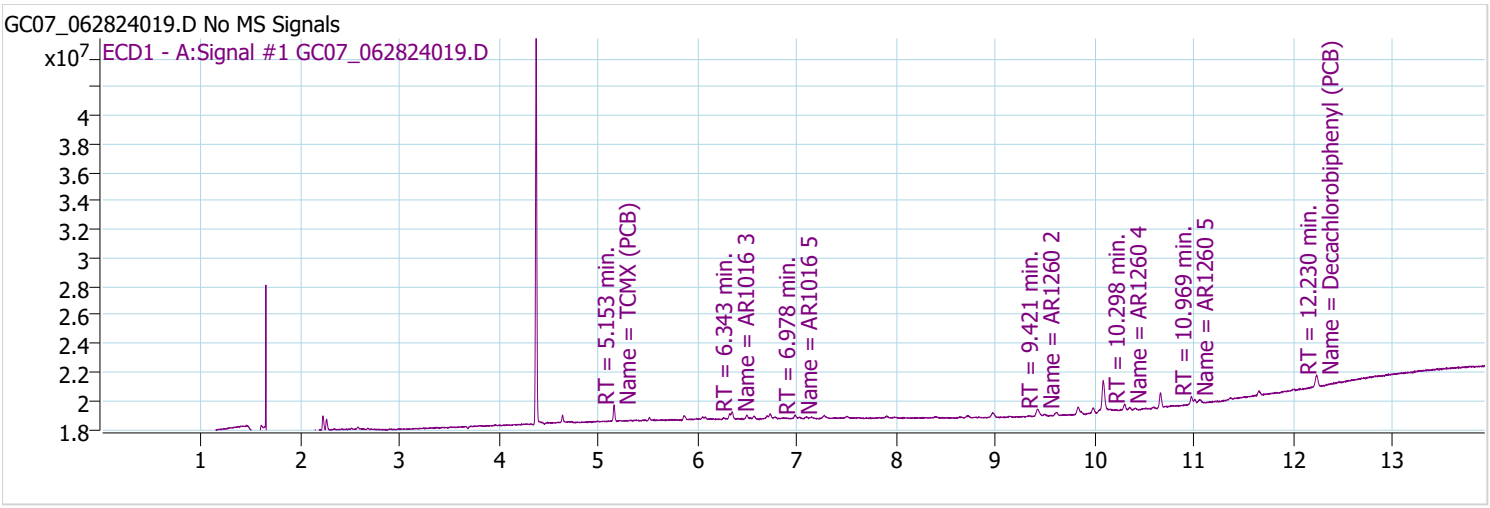
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

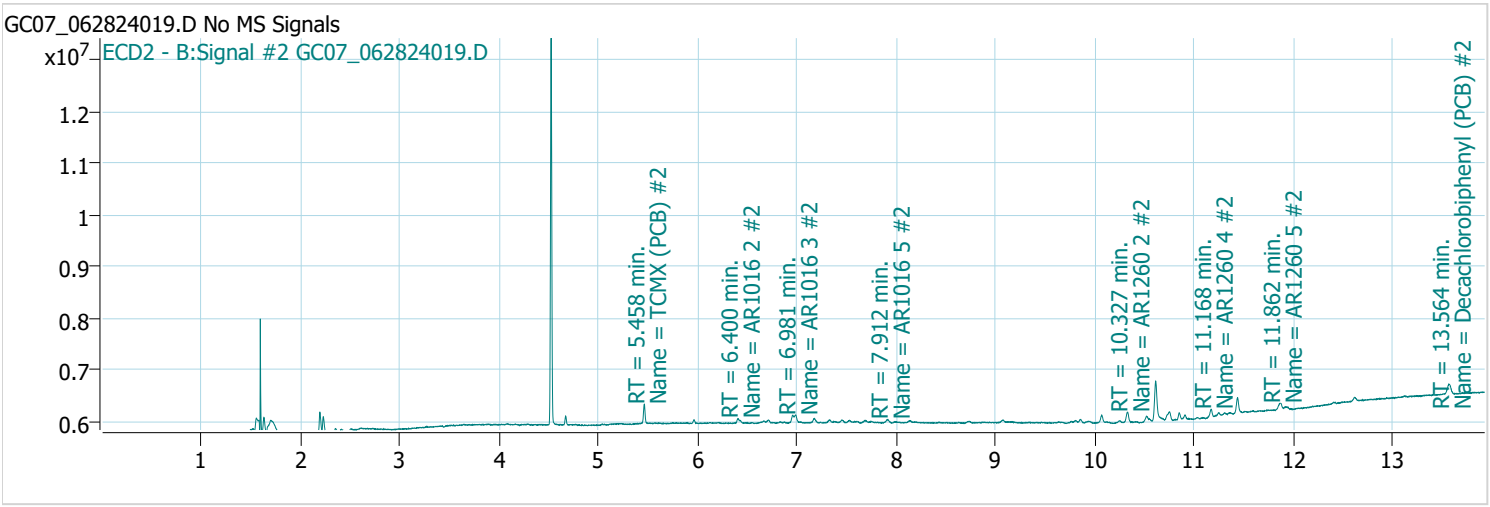
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Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_062824019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 12:46:26 PM
Sample Name	ICAL, S20882	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



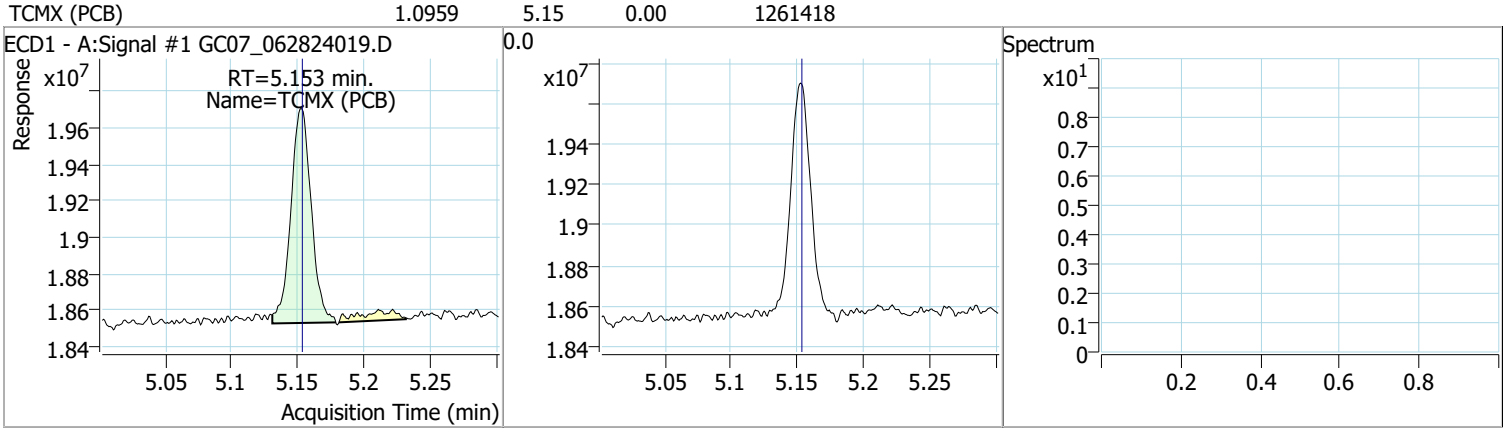


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	24571557.163	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	6870927.884	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	1261418.443	1.0959	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.48%		*	
S TCMX (PCB) #2	5.458	0.0	479922.074	1.4562	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.28%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	1592723.131	1.1757	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.88%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	529439.591	1.4105	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.05%		*	
Target Compounds							QValue
T AR1016 1	5.511	0.0	250166.382	11.6476	ng/ml		100

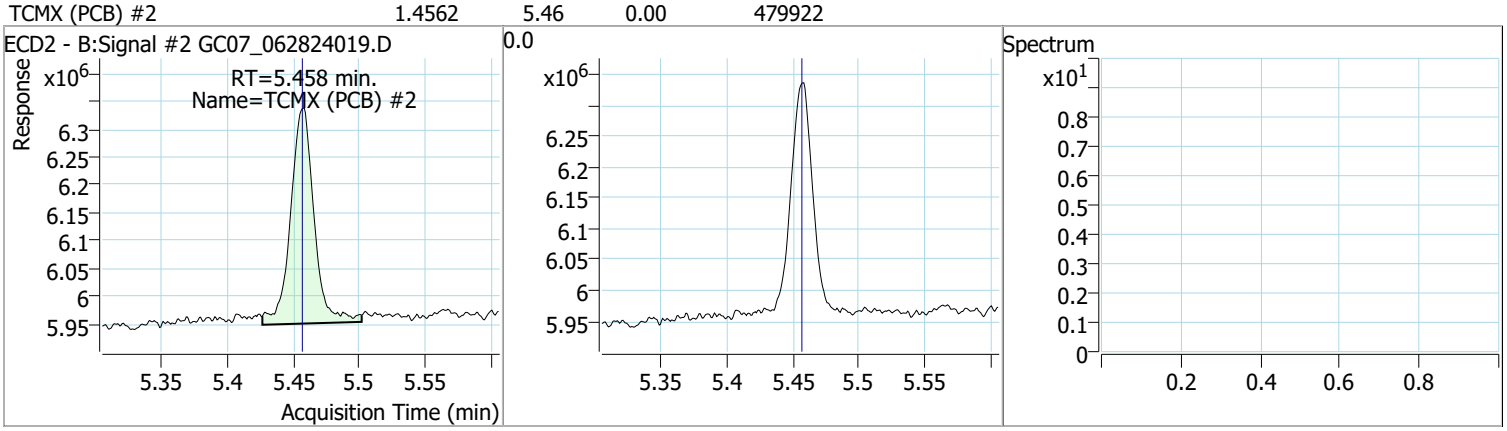
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.860	0.0	567711.062	12.7237	ng/ml	100
T AR1016 1 #2	5.955	0.0	98252.376	13.5433	ng/ml	100
T AR1016 3	6.343	0.0	823683.187	14.7144	ng/ml	100
T AR1016 2 #2	6.400	0.0	234963.615	15.6761	ng/ml	100
T AR1016 4	6.490	0.0	523436.173	14.0199	ng/ml	100
T AR1016 5	6.978	0.0	382913.674	11.6679	ng/ml	100
T AR1016 3 #2	6.981	0.0	274478.452	14.6828	ng/ml	100
T AR1016 4 #2	7.171	0.0	169636.591	12.2754	ng/ml	100
T AR1016 5 #2	7.912	0.0	145456.994	13.0143	ng/ml	100
T AR1260 1	8.965	0.0	830630.752	12.6199	ng/ml	100
T AR1260 2	9.421	0.0	1329214.967	13.2227	ng/ml	100
T AR1260 3	9.828	0.0	1281172.483	11.8452	ng/ml	100
T AR1260 1 #2	10.065	0.0	300993.079	15.1419	ng/ml	100
T AR1260 4	10.298	0.0	688961.990	11.0179	ng/ml	100
T AR1260 2 #2	10.327	0.0	408888.473	16.3737	ng/ml	100
T AR1260 3 #2	10.747	0.0	385734.045	12.8325	ng/ml	100
T AR1260 5	10.969	0.0	908059.589	12.1271	ng/ml	100
T AR1260 4 #2	11.168	0.0	258781.502	13.6150	ng/ml	100
T AR1260 5 #2	11.862	0.0	362498.558	12.8466	ng/ml	100

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

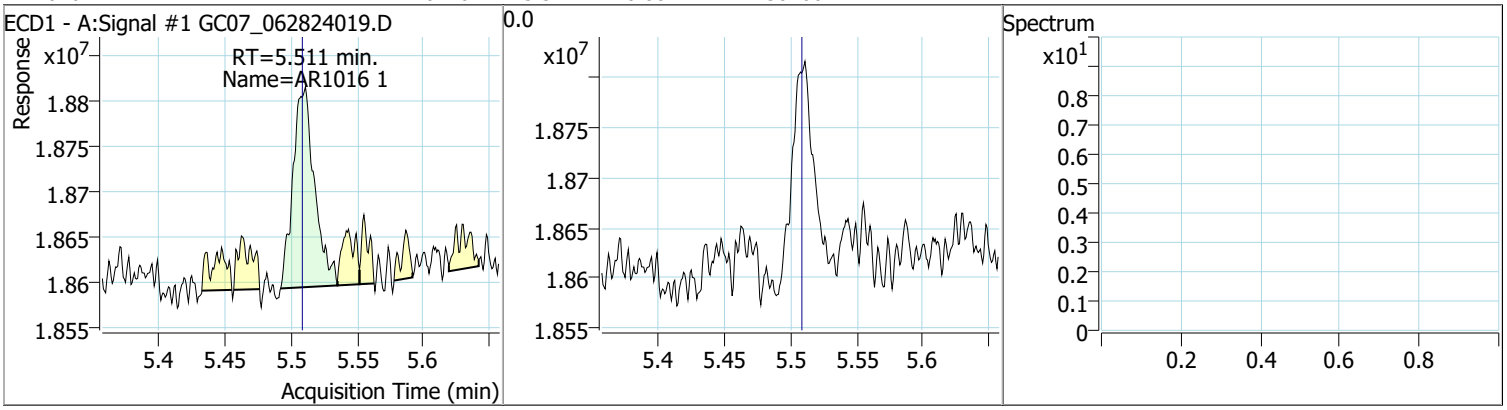
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.0959	5.15	0.00	1261418				



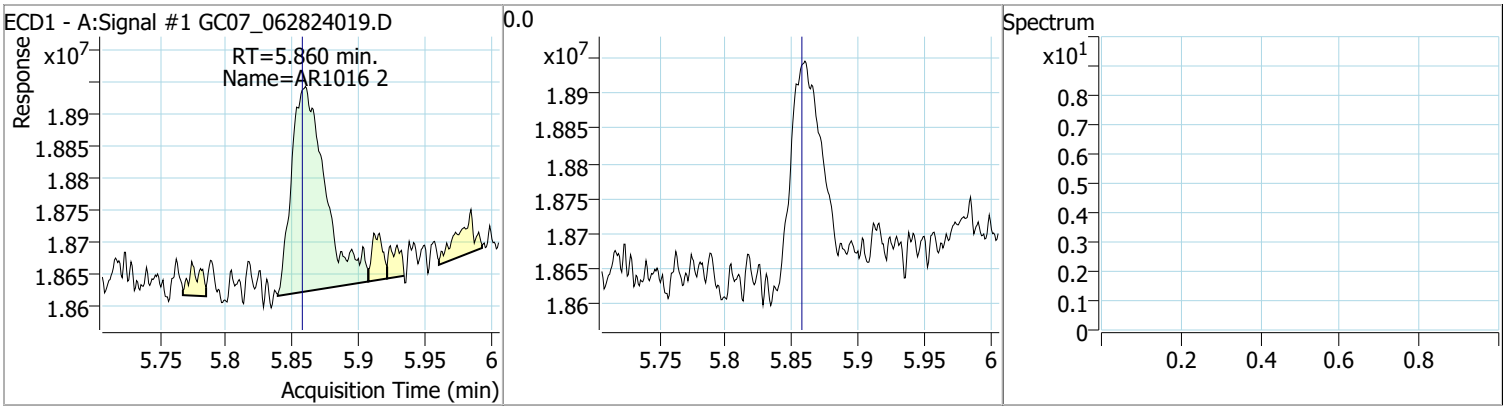
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TCMX (PCB) #2	1.4562	5.46	0.00	479922				



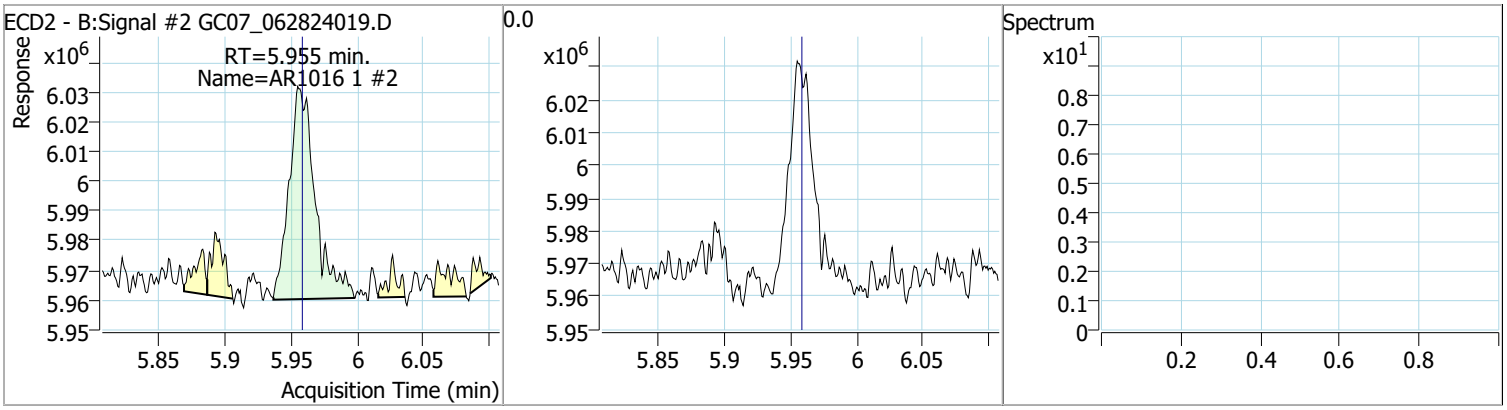
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	11.6476	5.51	0.00	250166				



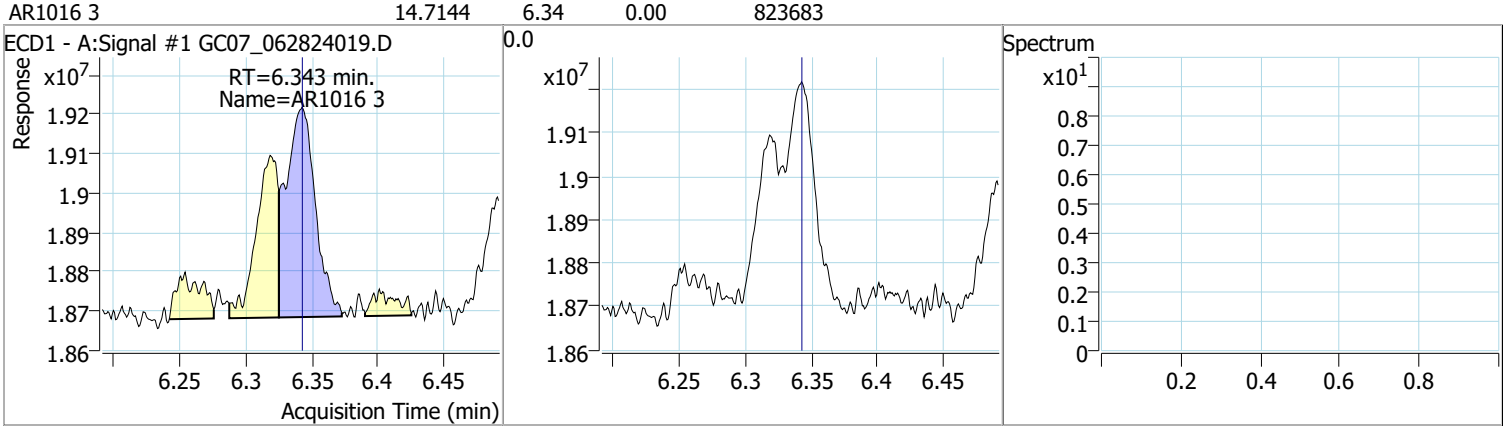
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AR1016 2	12.7237	5.86	0.00	567711				



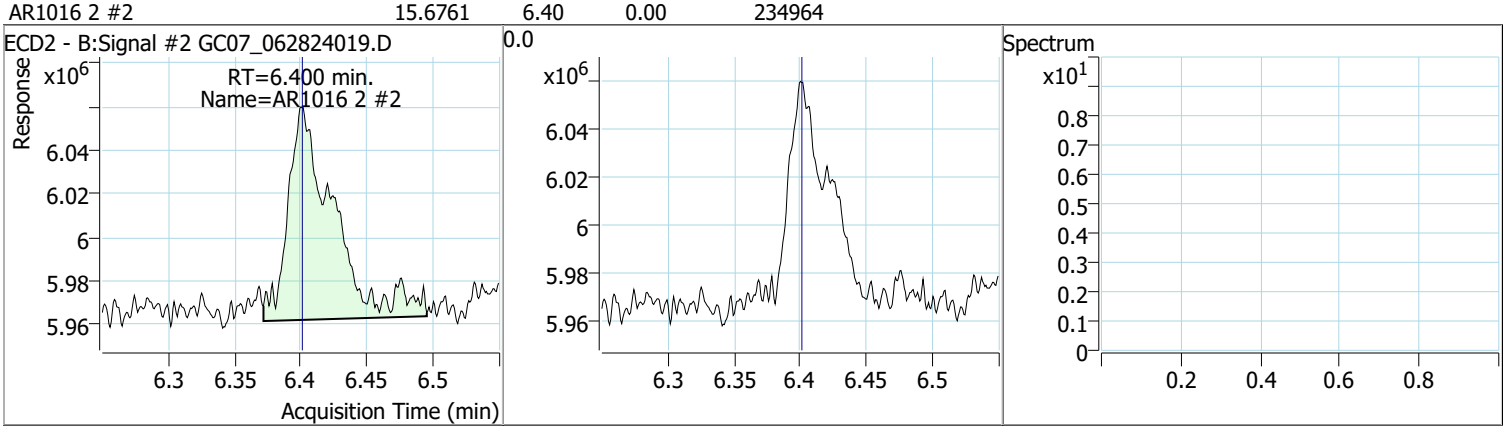
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AR1016 1 #2	13.5433	5.96	0.00	98252				



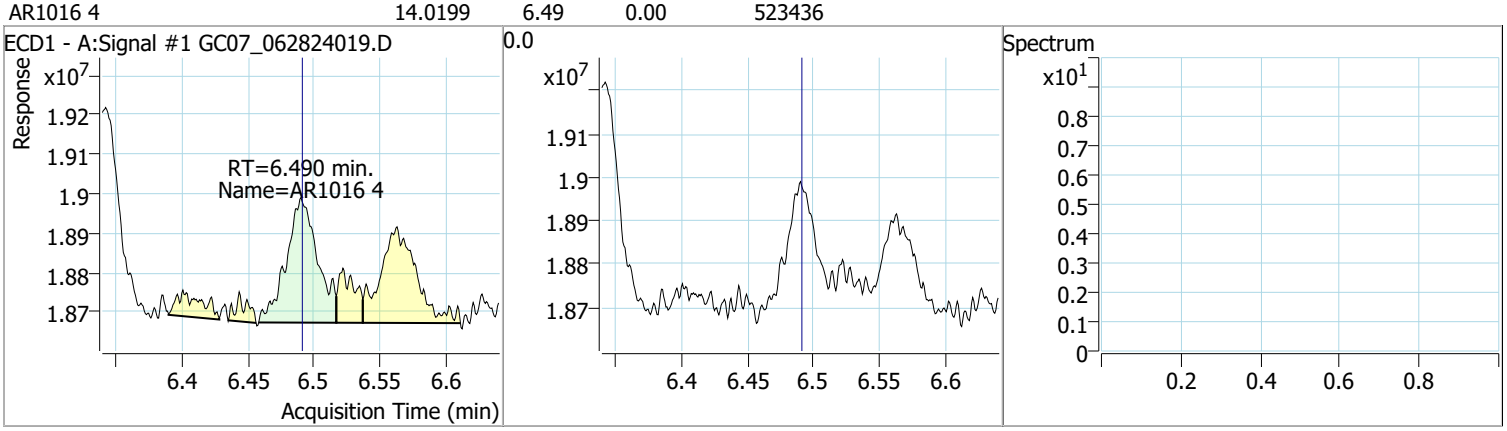
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AR1016 3	14.7144	6.34	0.00	823683				



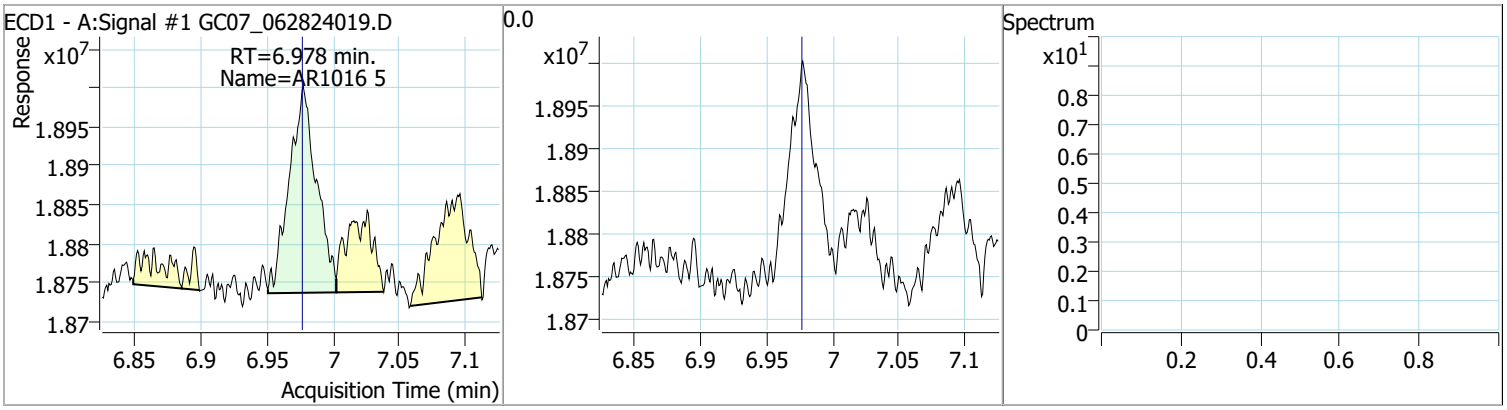
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AR1016 2 #2	15.6761	6.40	0.00	234964				



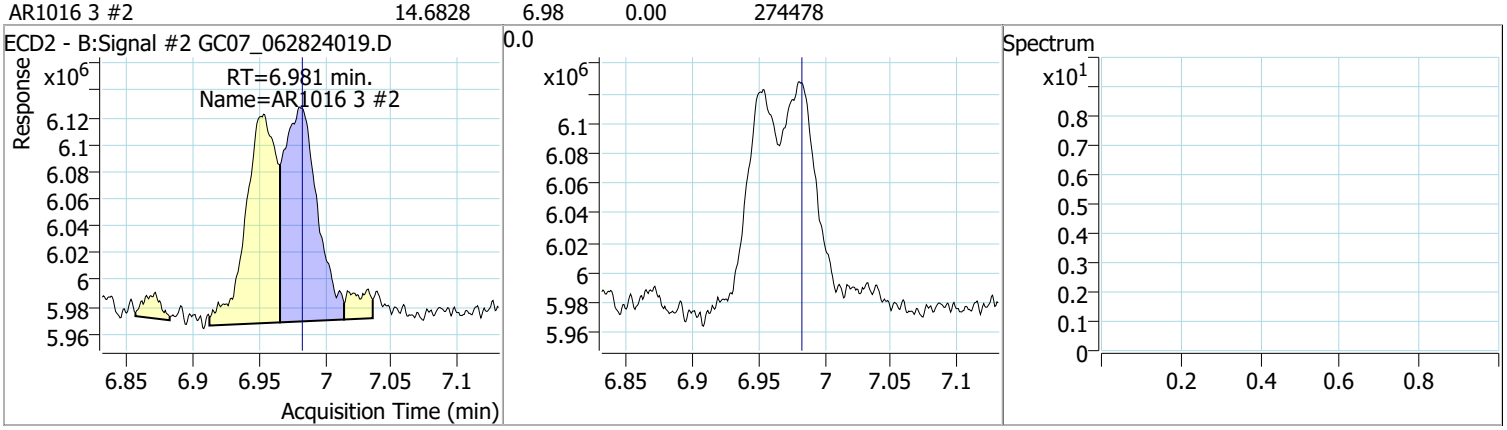
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.0199	6.49	0.00	523436				



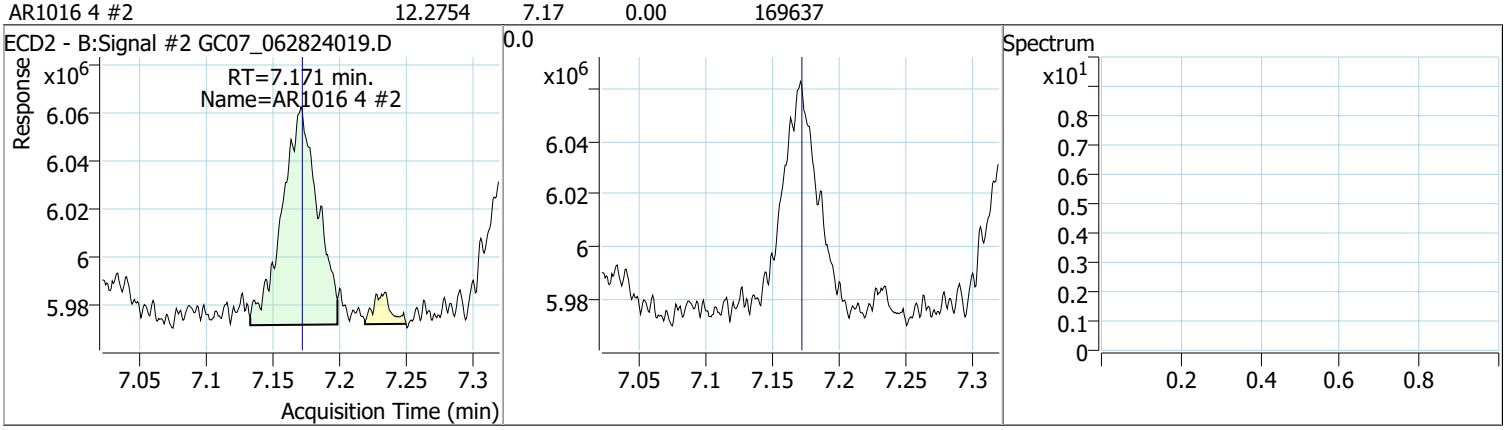
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.6679	6.98	0.00	382914				



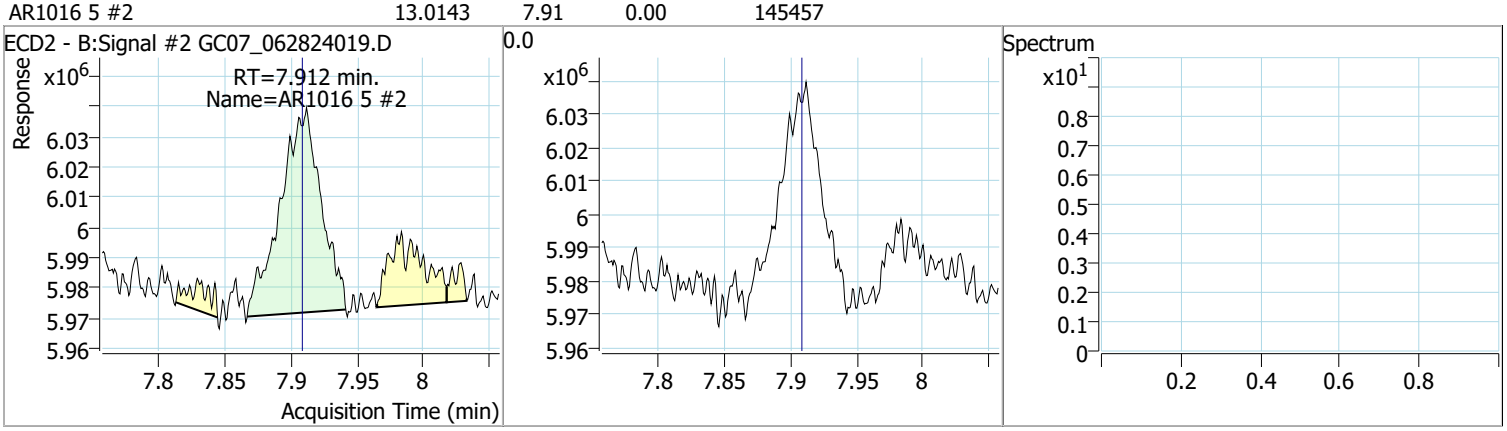
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AR1016 3 #2	14.6828	6.98	0.00	274478				



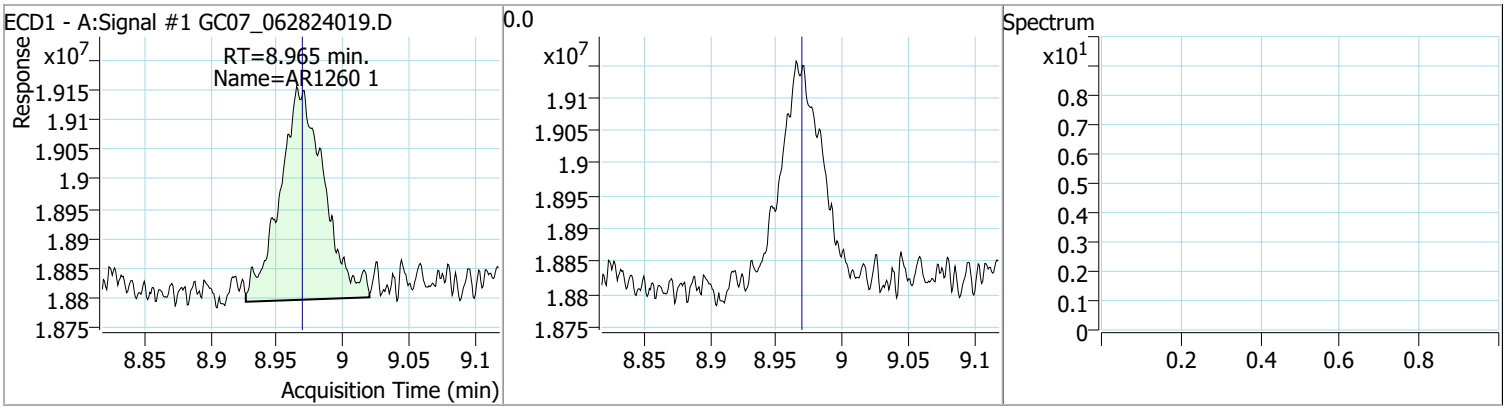
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AR1016 4 #2	12.2754	7.17	0.00	169637				



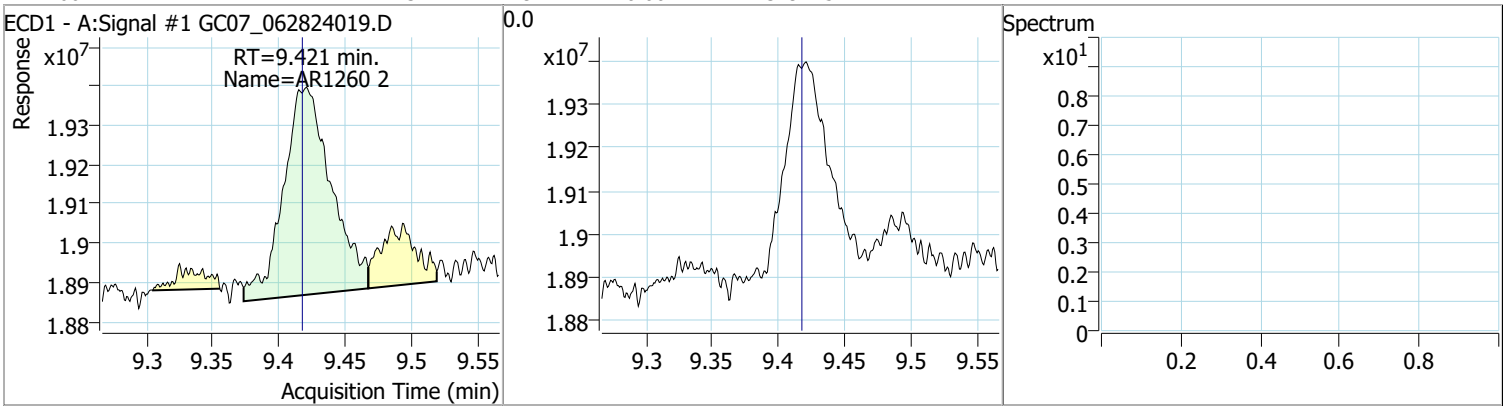
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AR1016 5 #2	13.0143	7.91	0.00	145457				



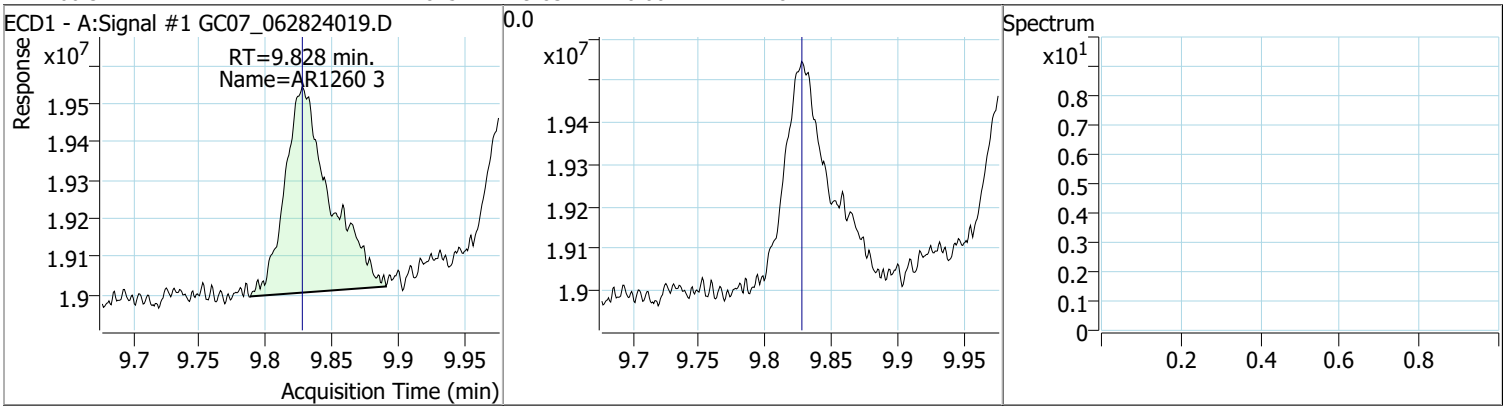
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	12.6199	8.97	0.00	830631				



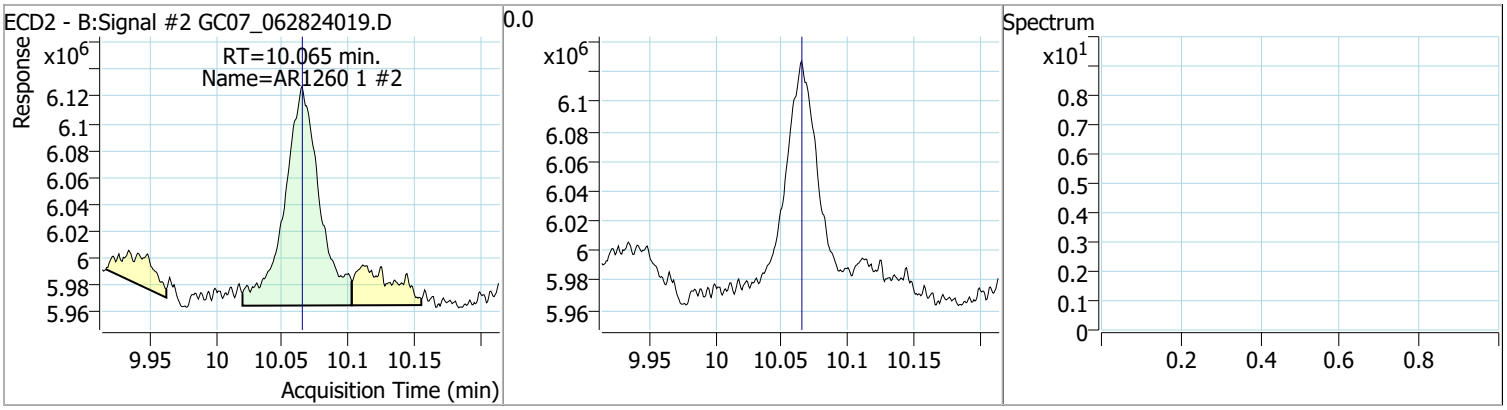
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AR1260 2	13.2227	9.42	0.00	1329215				



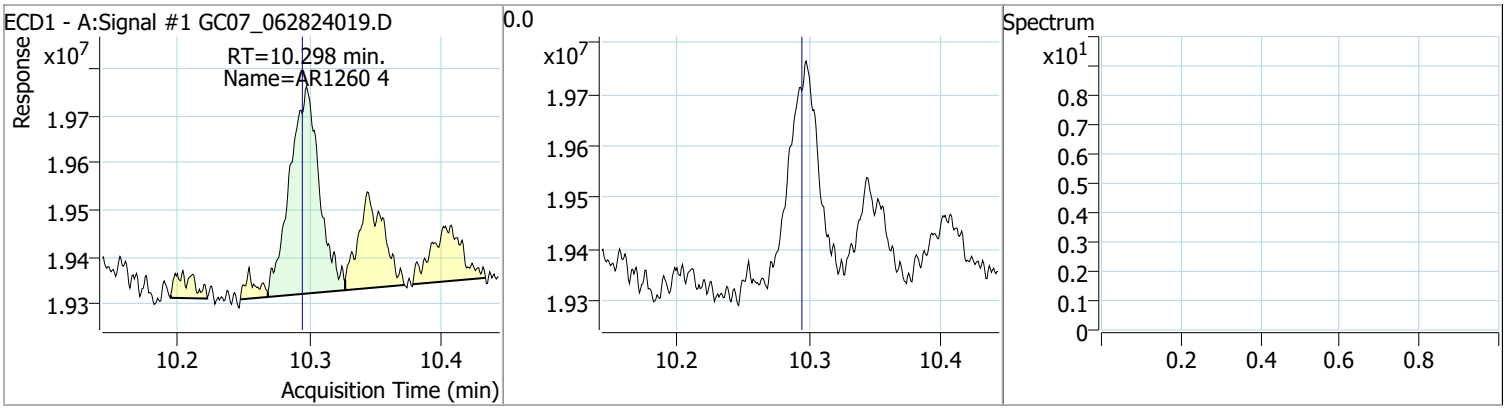
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AR1260 3	11.8452	9.83	0.00	1281172				



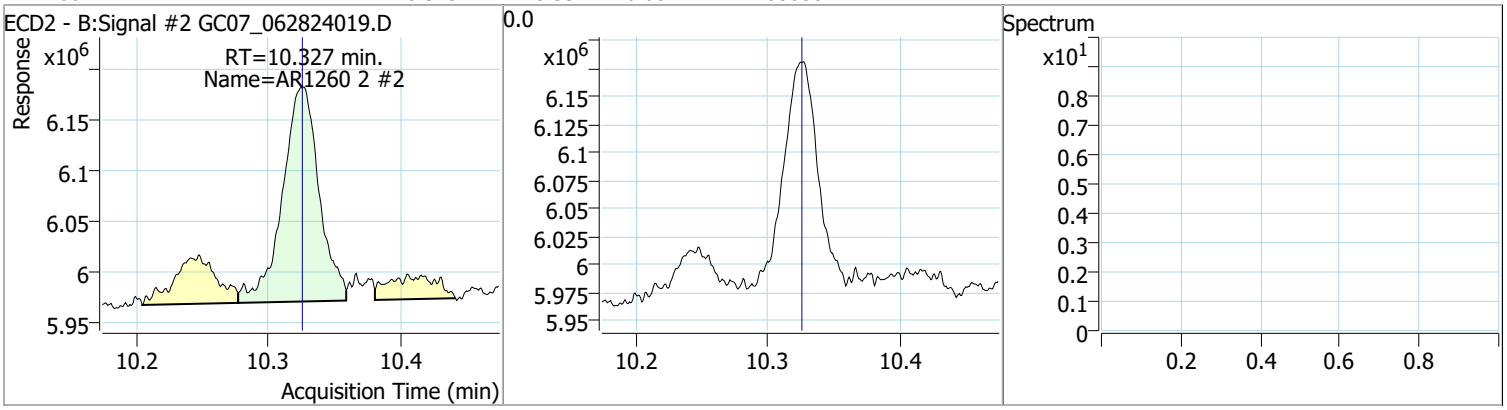
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AR1260 1 #2	15.1419	10.07	0.00	300993				



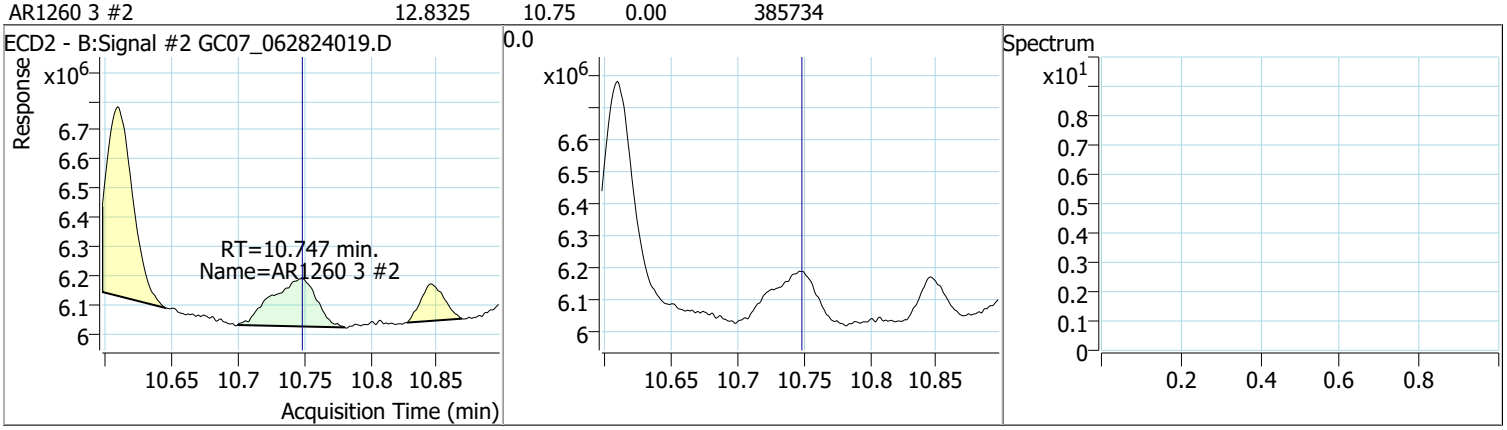
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.0179	10.30	0.00	688962				



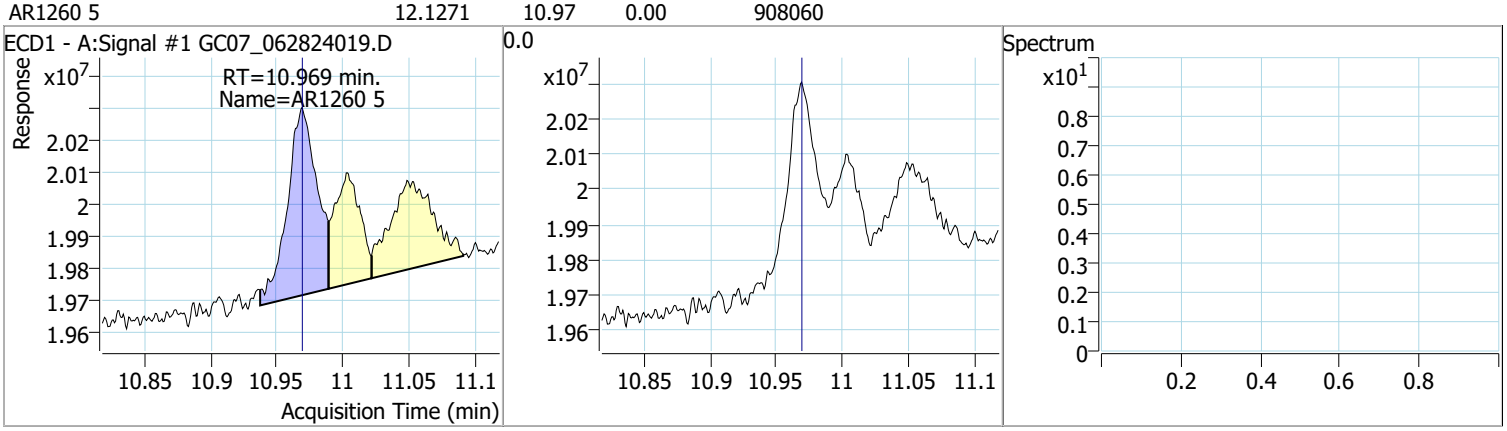
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.3737	10.33	0.00	408888				



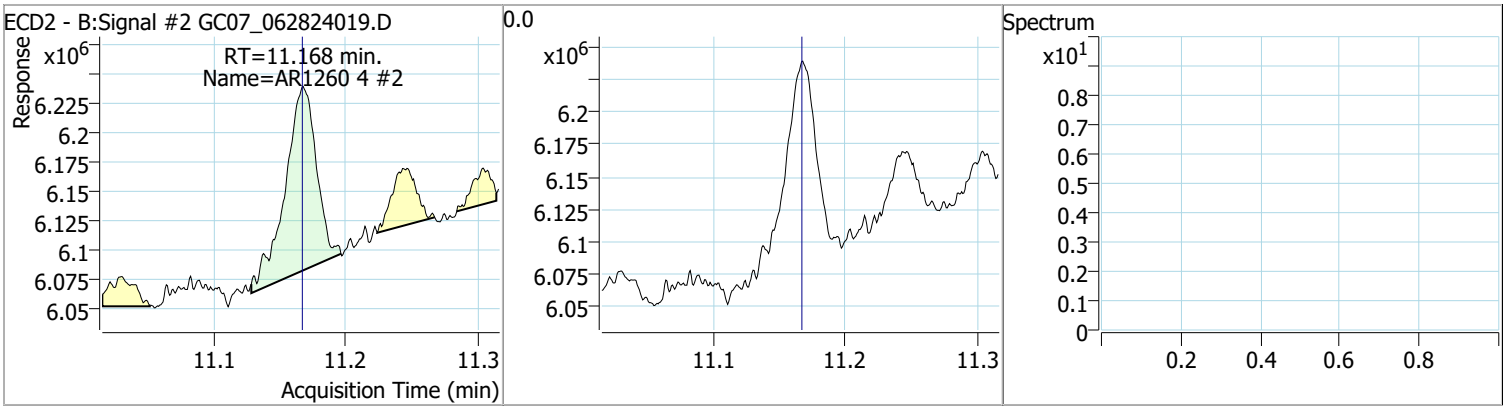
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AR1260 3 #2	12.8325	10.75	0.00	385734				



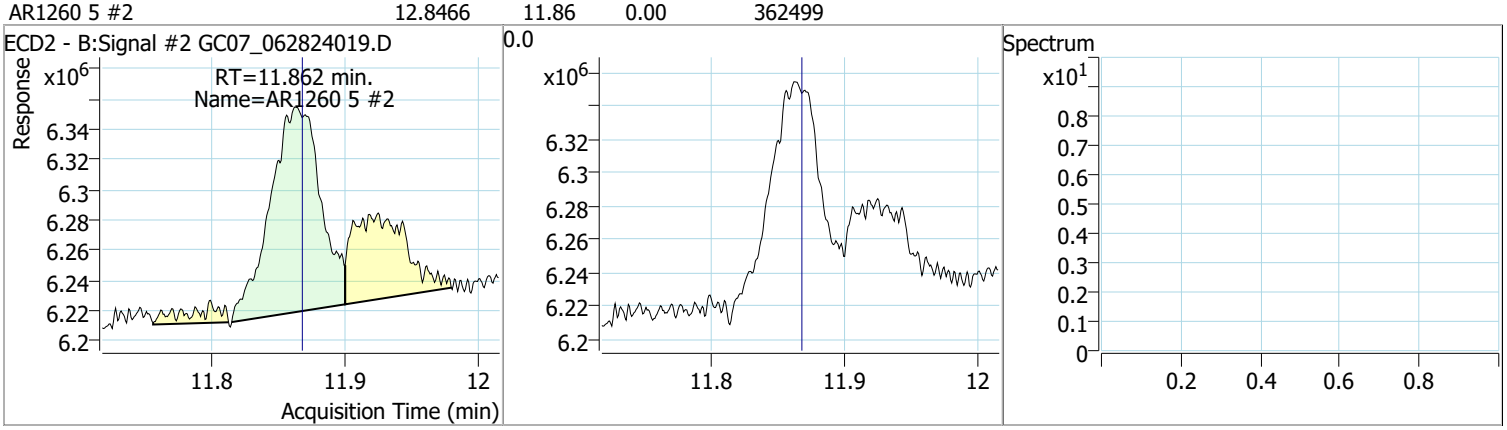
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.1271	10.97	0.00	908060				



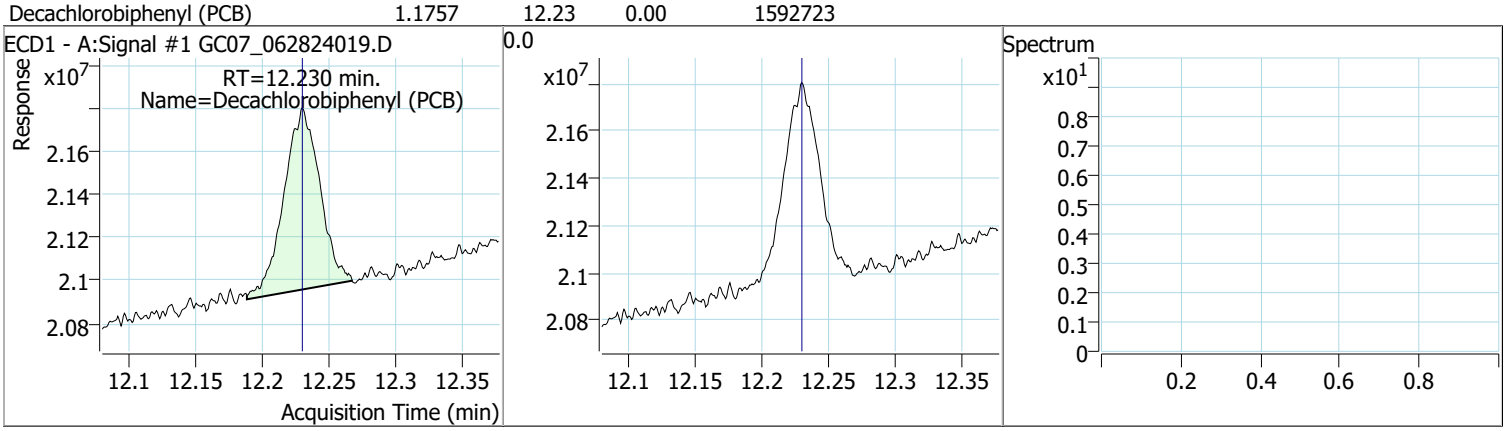
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AR1260 4 #2	13.6150	11.17	0.00	258782				



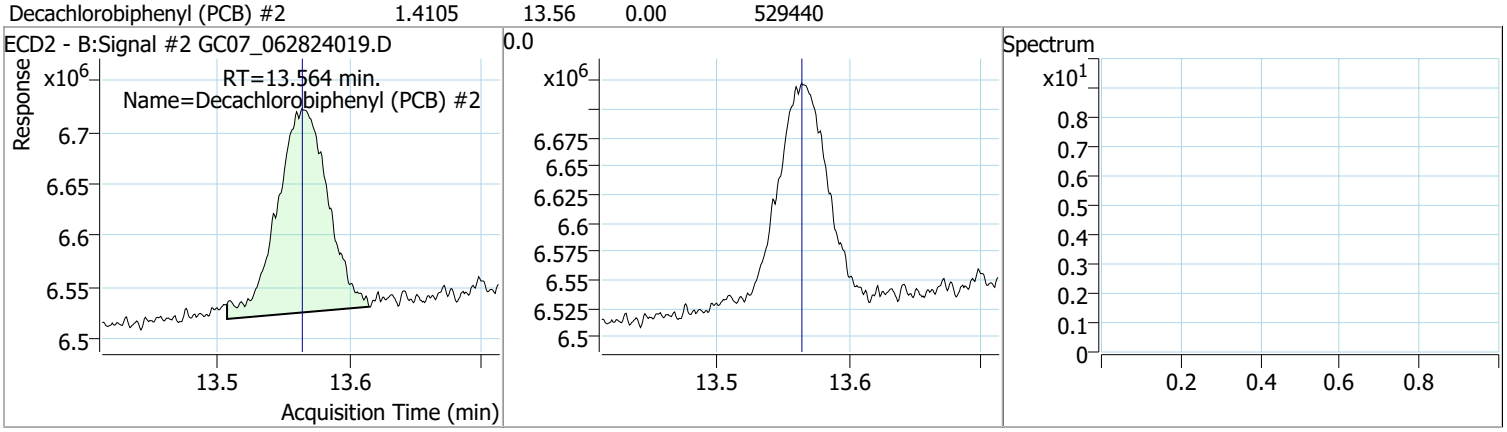
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8466	11.86	0.00	362499				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1757	12.23	0.00	1592723				

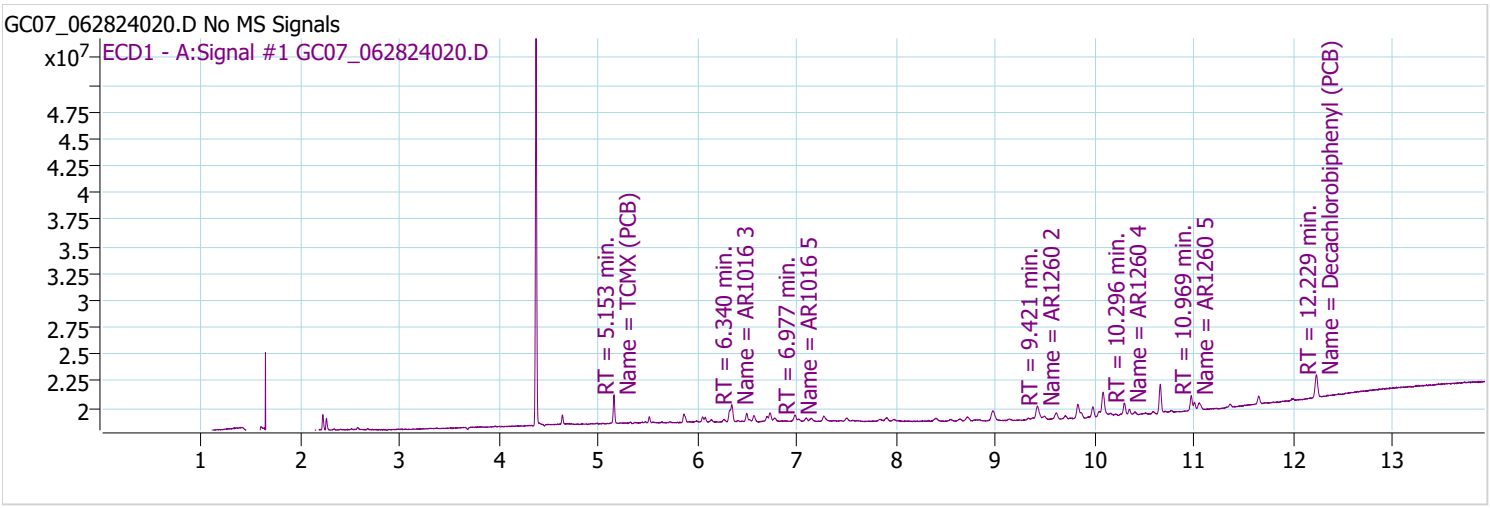


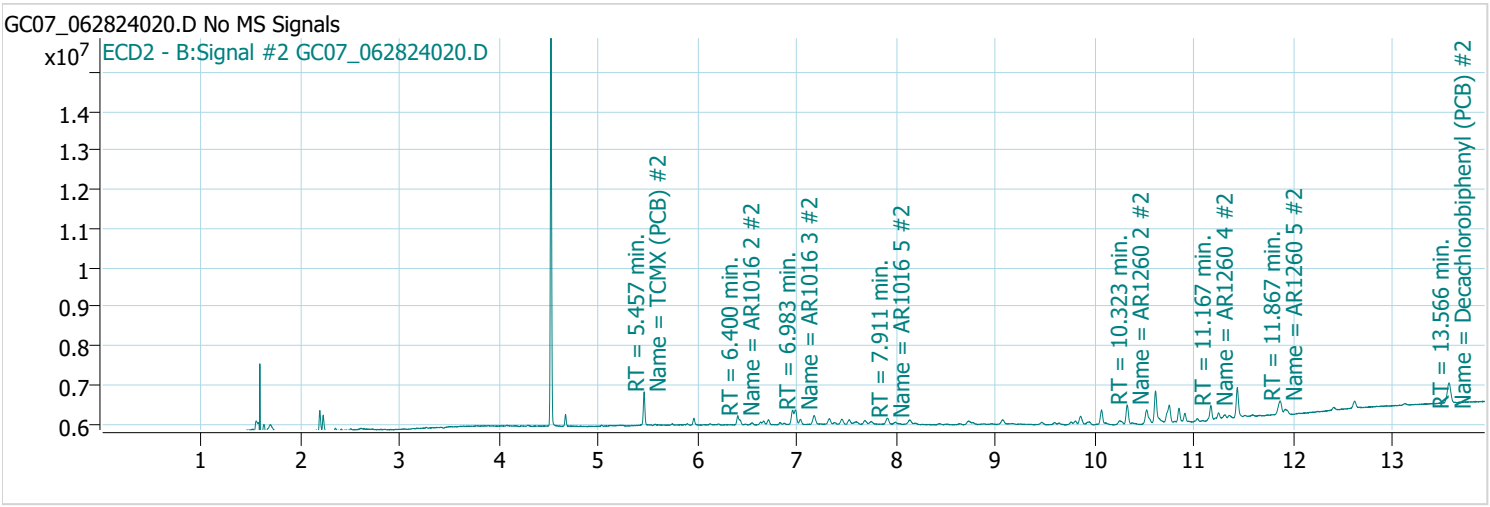
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.4105	13.56	0.00	529440				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:03:54 PM
Sample Name	ICAL, S20883	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



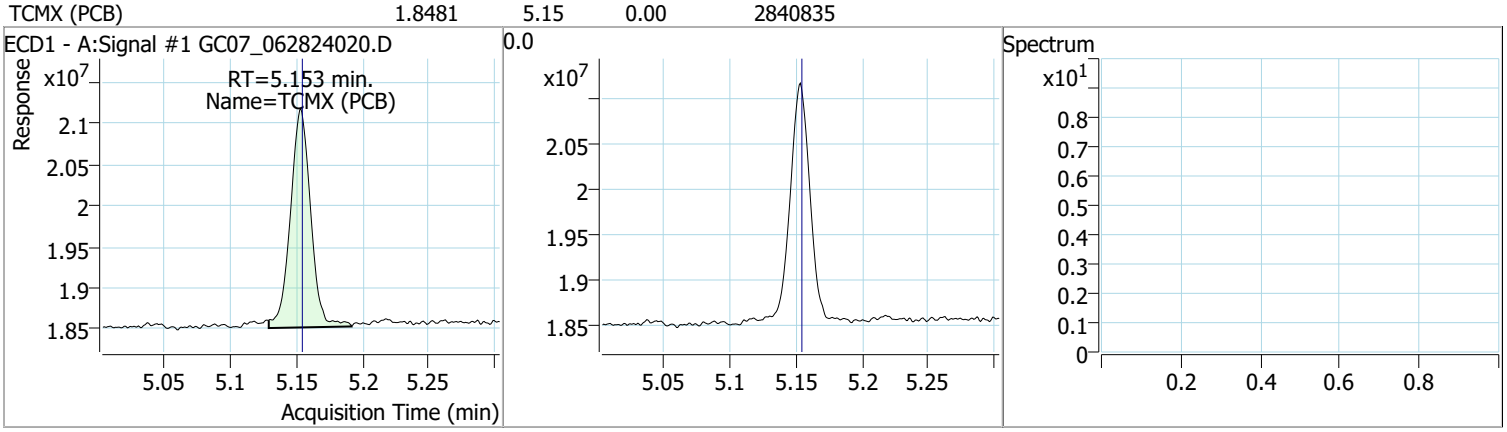


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	32813773.536	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9060765.116	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	2840834.540	1.8481	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.24%		*	
S TCMX (PCB) #2	5.457	0.0	959453.181	2.2077	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.04%		*	
S Decachlorobiphenyl (PCB)	12.229	0.0	3958101.061	2.1878	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	1322291.570	2.6713	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.36%		*	
Target Compounds							QValue
T AR1016 1	5.508	0.0	778021.224	27.1254	ng/ml		100

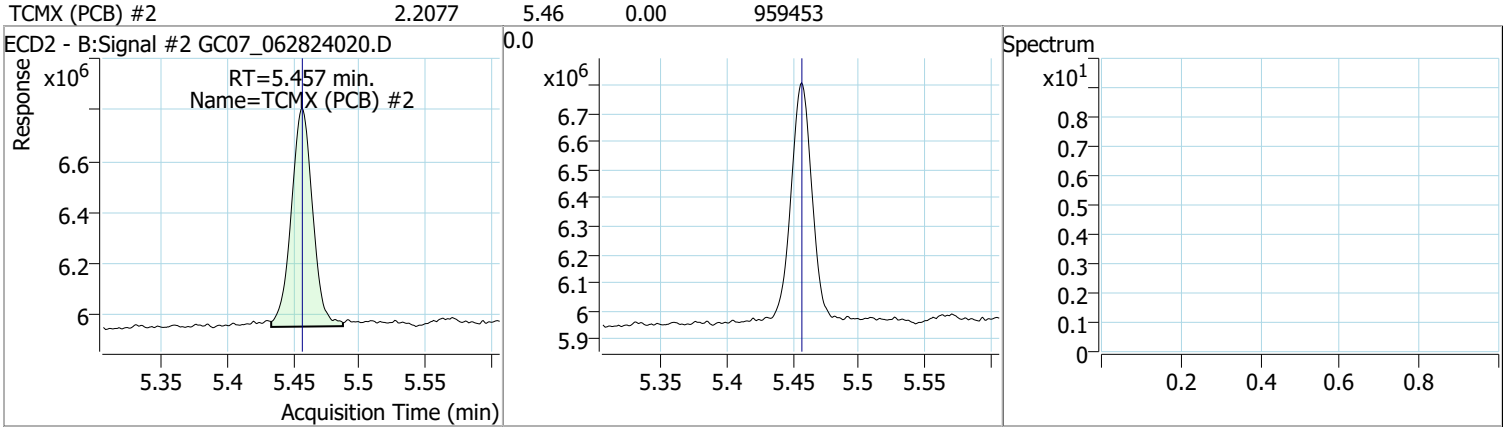
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.858	0.0	1328254.498	22.2917	ng/ml		100
T AR1016 1 #2	5.959	0.0	234191.399	24.4795	ng/ml		100
T AR1016 3	6.340	0.0	2571625.561	34.4007	ng/ml	m	100
T AR1016 2 #2	6.400	0.0	499061.047	25.2488	ng/ml		100
T AR1016 4	6.492	0.0	1099340.852	22.0491	ng/ml	m	100
T AR1016 5	6.977	0.0	1000156.918	22.8210	ng/ml		100
T AR1016 3 #2	6.983	0.0	636605.373	25.8238	ng/ml		100
T AR1016 4 #2	7.170	0.0	451066.540	24.7519	ng/ml		100
T AR1016 5 #2	7.911	0.0	330412.358	22.4177	ng/ml		100
T AR1260 1	8.971	0.0	2419291.681	27.5240	ng/ml		100
T AR1260 2	9.421	0.0	3049907.638	22.7190	ng/ml		100
T AR1260 3	9.827	0.0	3105274.279	21.4986	ng/ml	m	100
T AR1260 1 #2	10.066	0.0	707182.644	26.9777	ng/ml		100
T AR1260 4	10.296	0.0	1916354.860	22.9487	ng/ml		100
T AR1260 2 #2	10.323	0.0	876957.107	26.6300	ng/ml		100
T AR1260 3 #2	10.747	0.0	960062.850	24.2200	ng/ml		100
T AR1260 5	10.969	0.0	2085632.219	20.8573	ng/ml		100
T AR1260 4 #2	11.167	0.0	448239.327	17.8832	ng/ml		100
T AR1260 5 #2	11.867	0.0	881344.046	23.6852	ng/ml		100

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

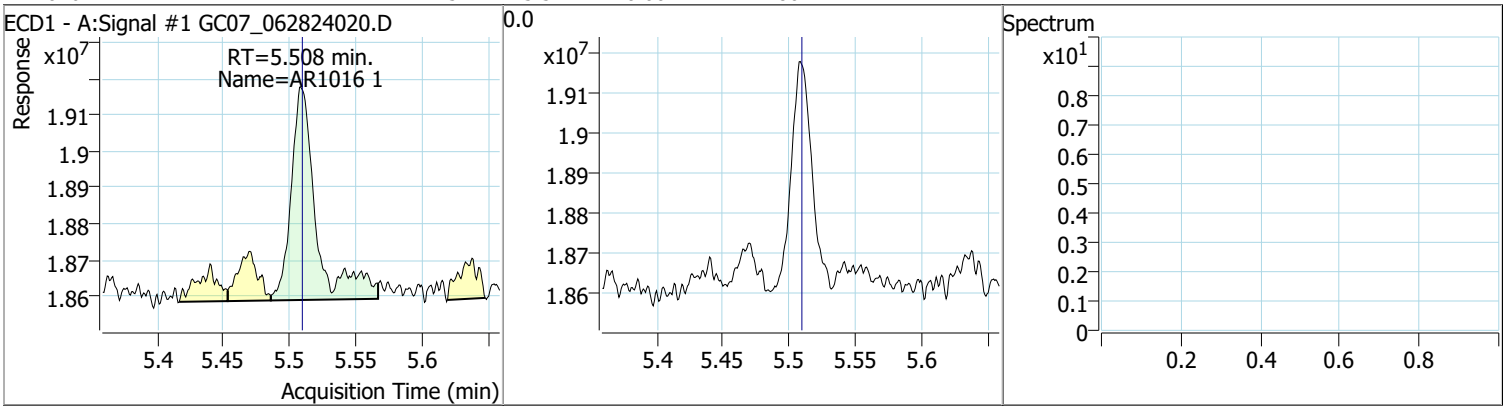
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8481	5.15	0.00	2840835				



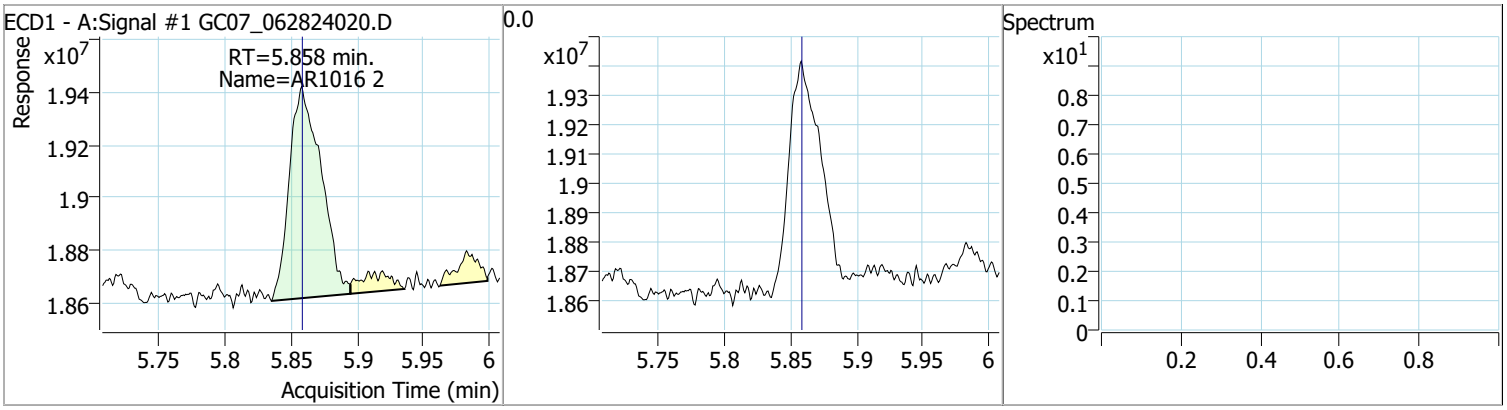
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.2077	5.46	0.00	959453				



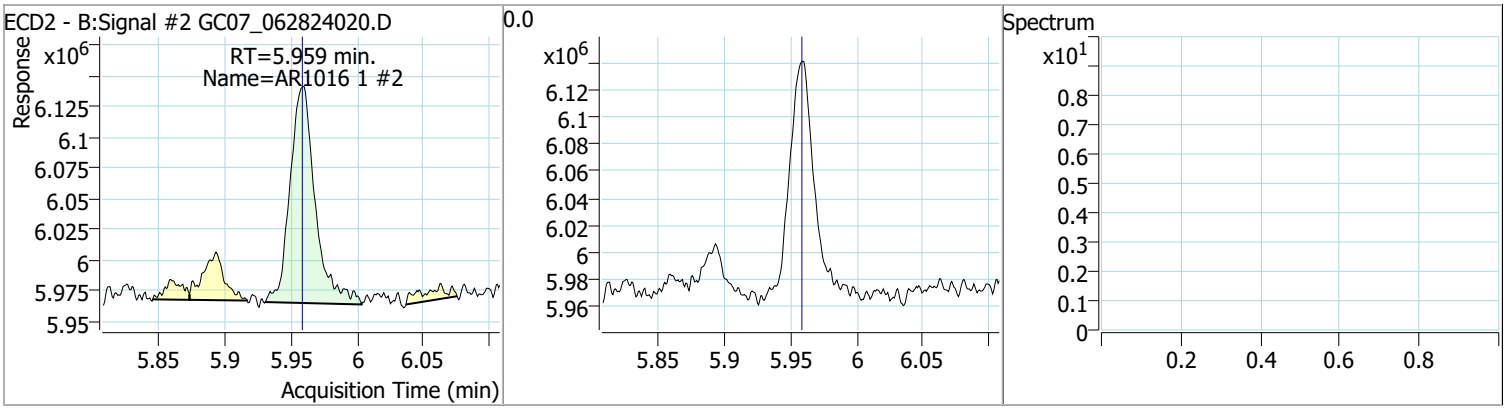
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.1254	5.51	0.00	778021				



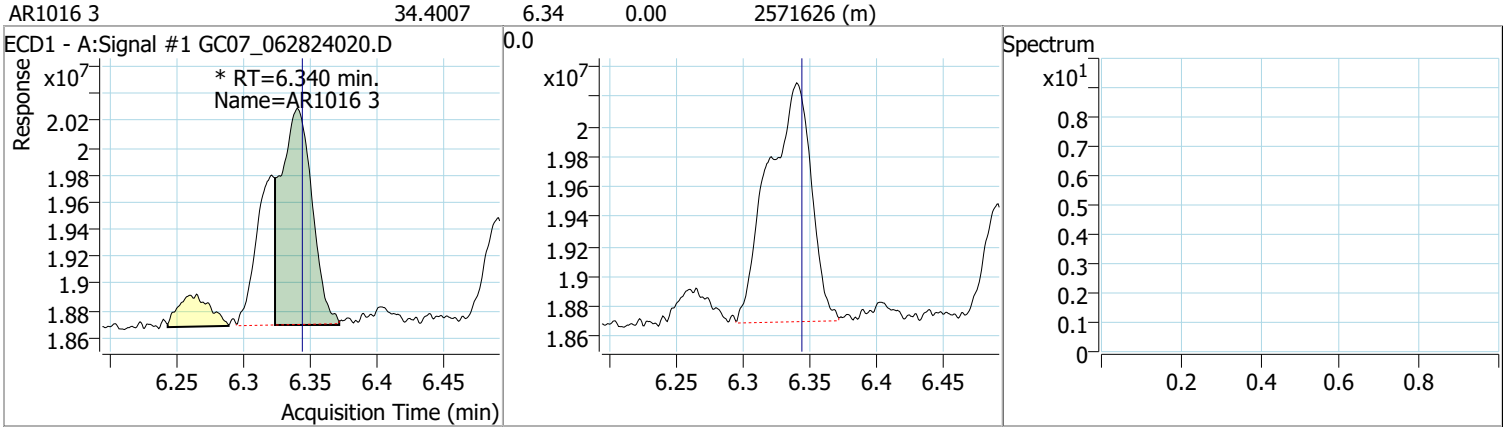
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.2917	5.86	0.00	1328254				



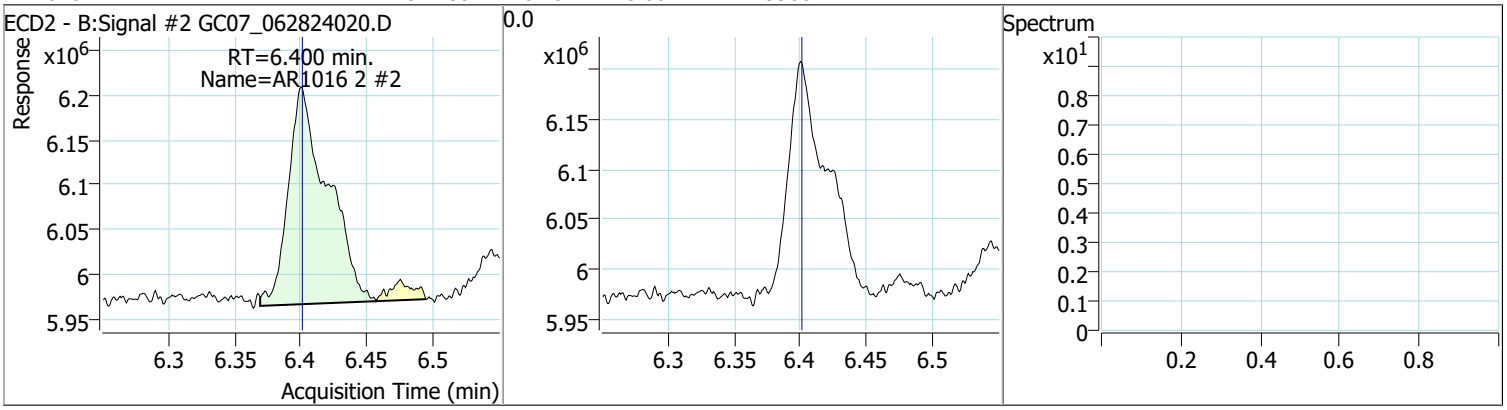
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AR1016 1 #2	24.4795	5.96	0.00	234191				



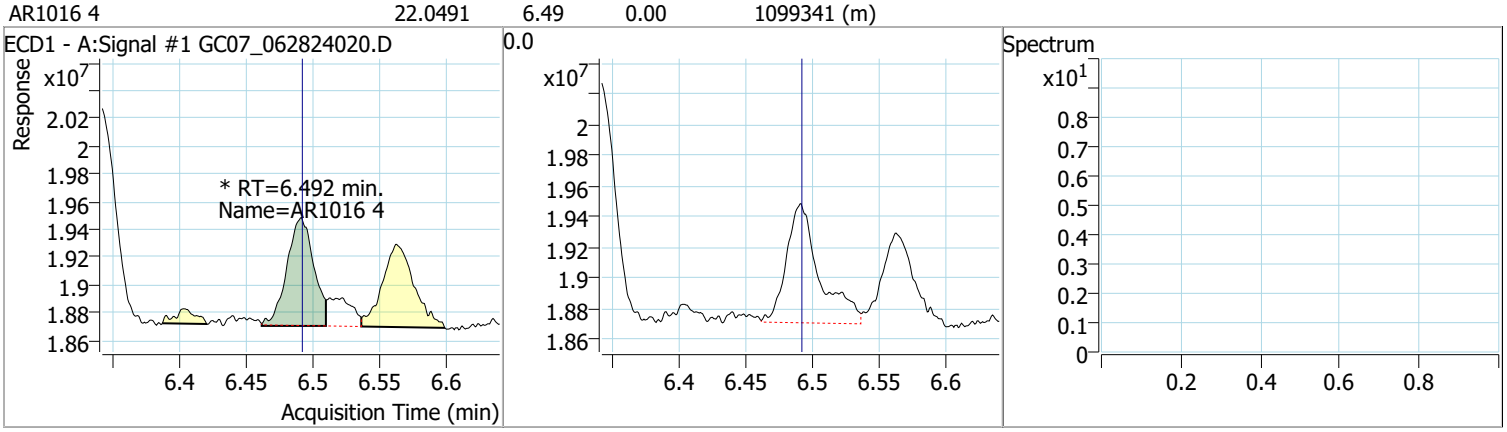
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4007	6.34	0.00	2571626 (m)				



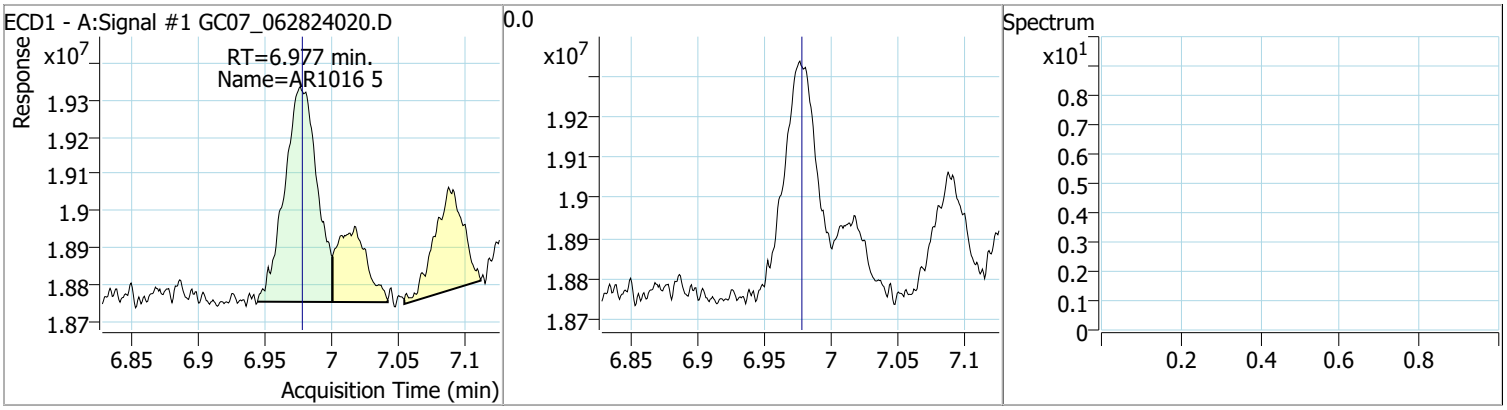
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AR1016 2 #2	25.2488	6.40	0.00	499061				



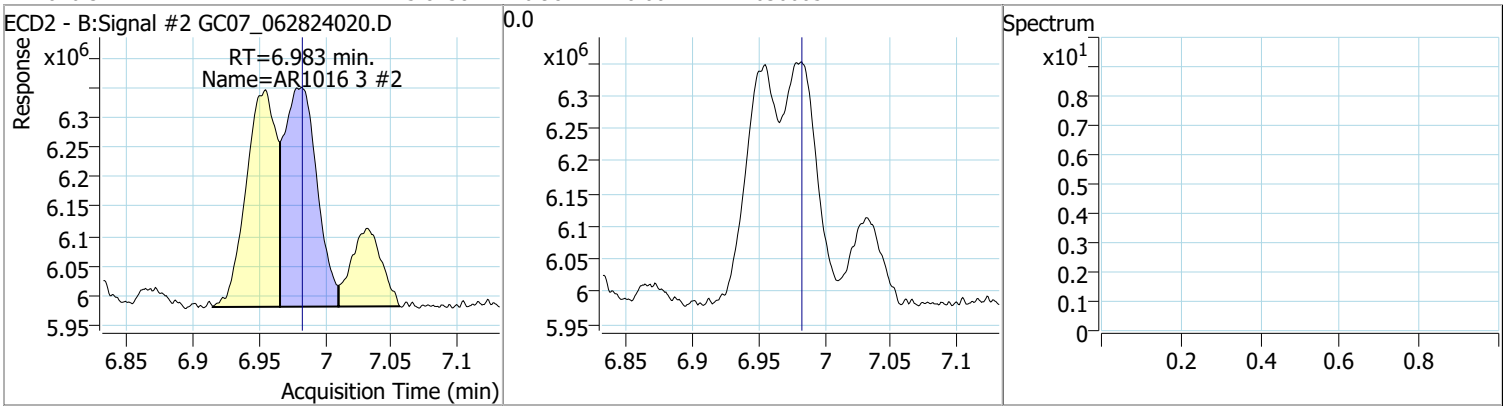
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.0491	6.49	0.00	1099341 (m)				



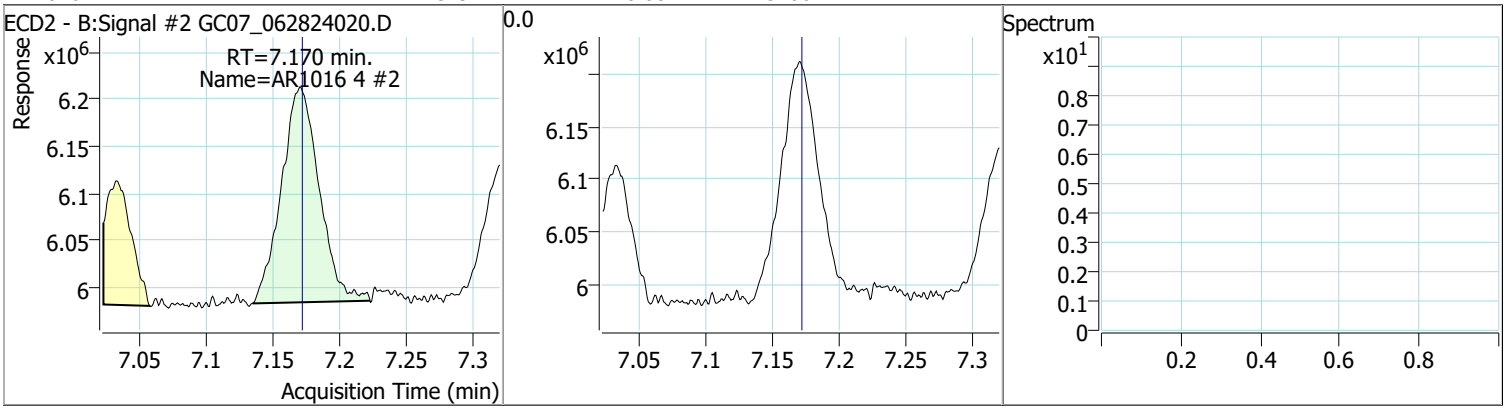
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8210	6.98	0.00	1000157				



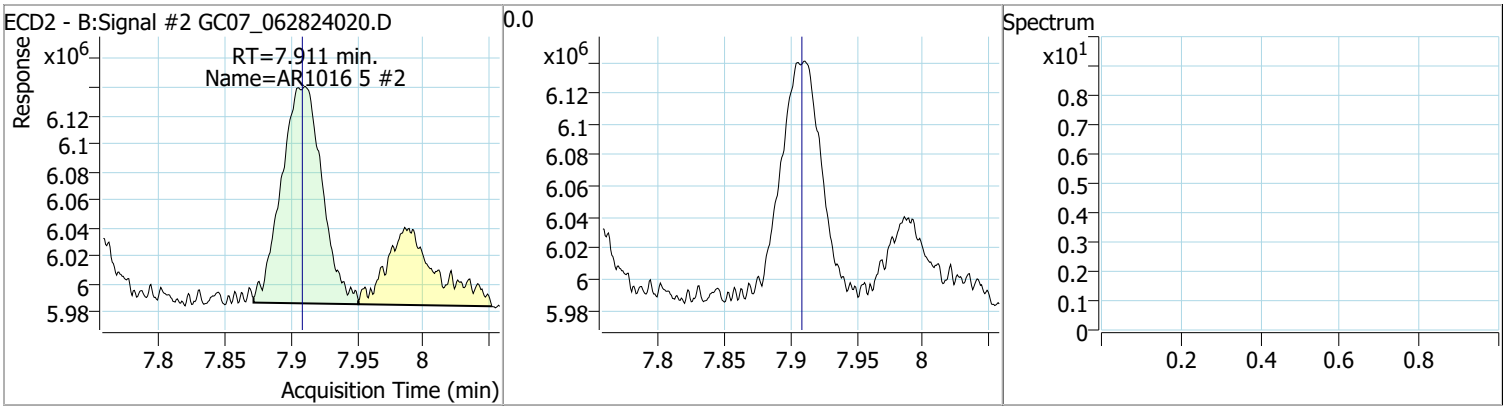
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.8238	6.98	0.00	636605				



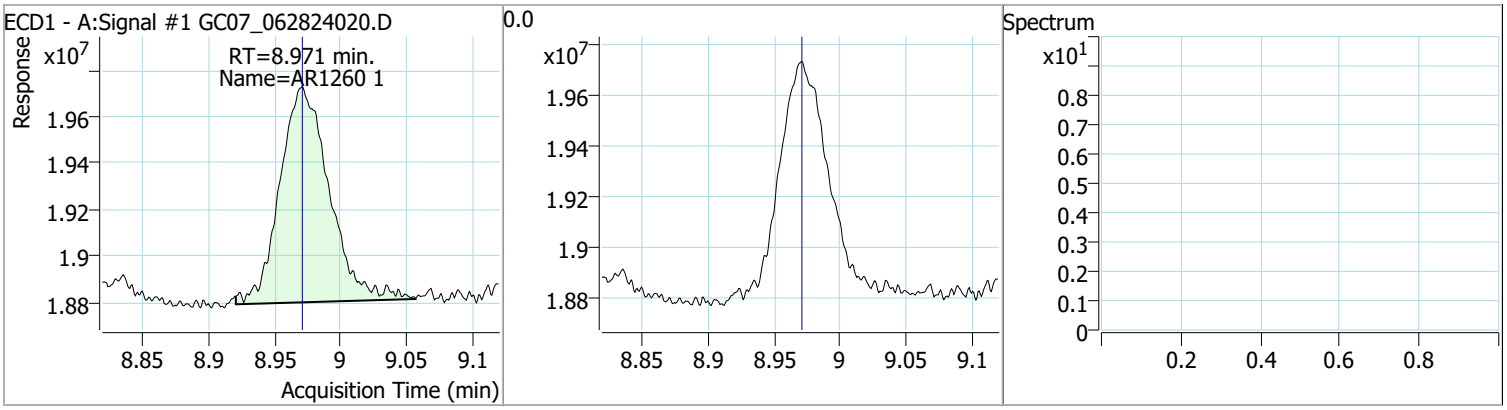
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.7519	7.17	0.00	451067				



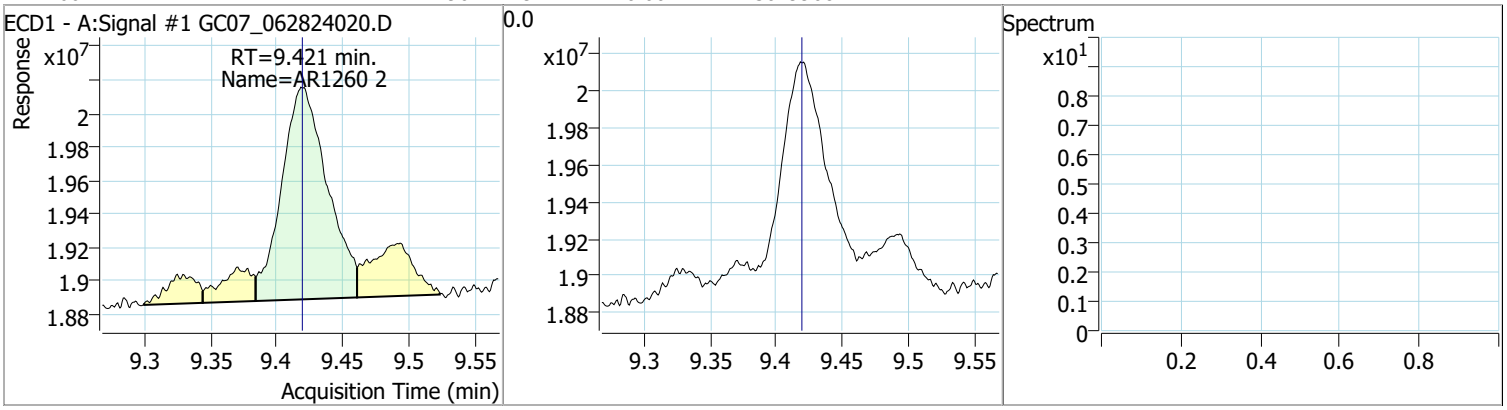
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.4177	7.91	0.00	330412				



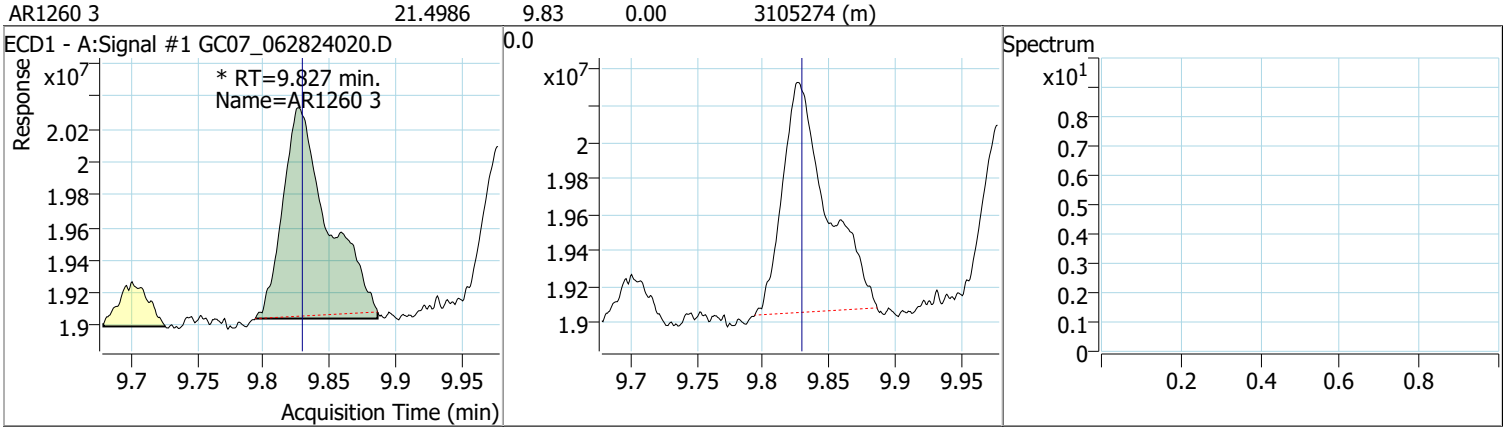
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.5240	8.97	0.00	2419292				



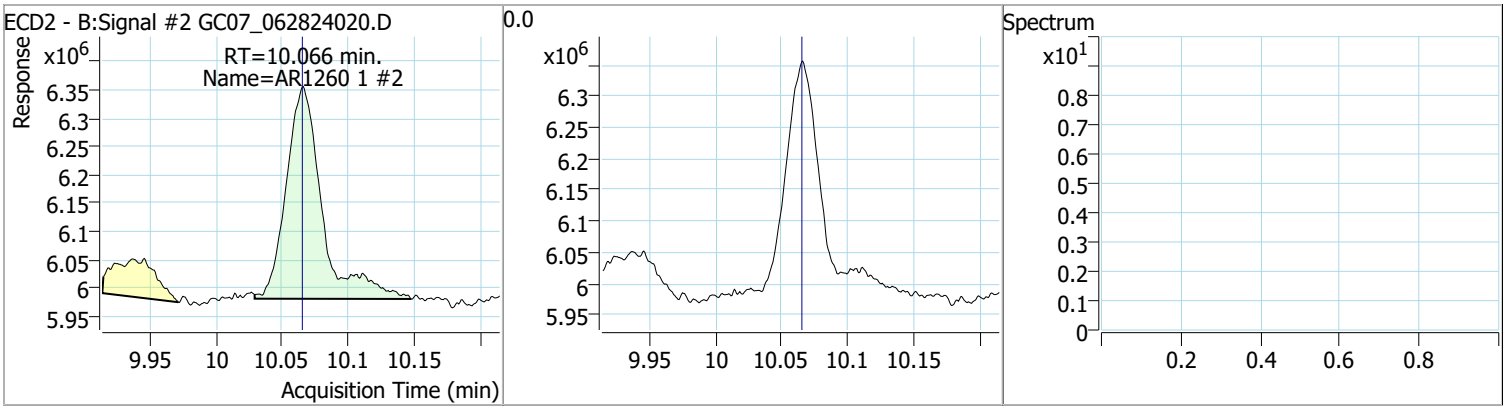
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.7190	9.42	0.00	3049908				



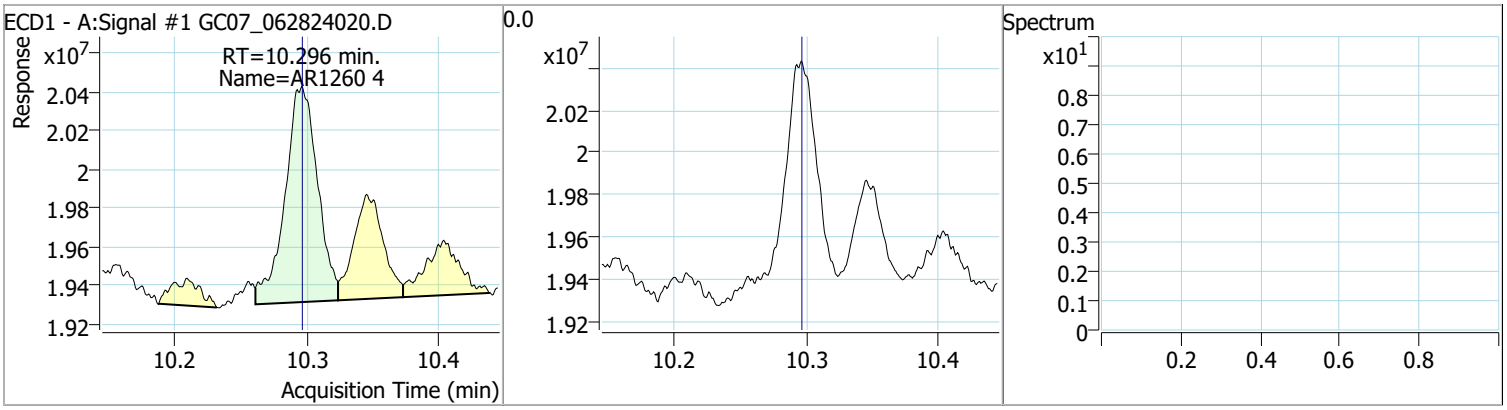
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.4986	9.83	0.00	3105274 (m)				



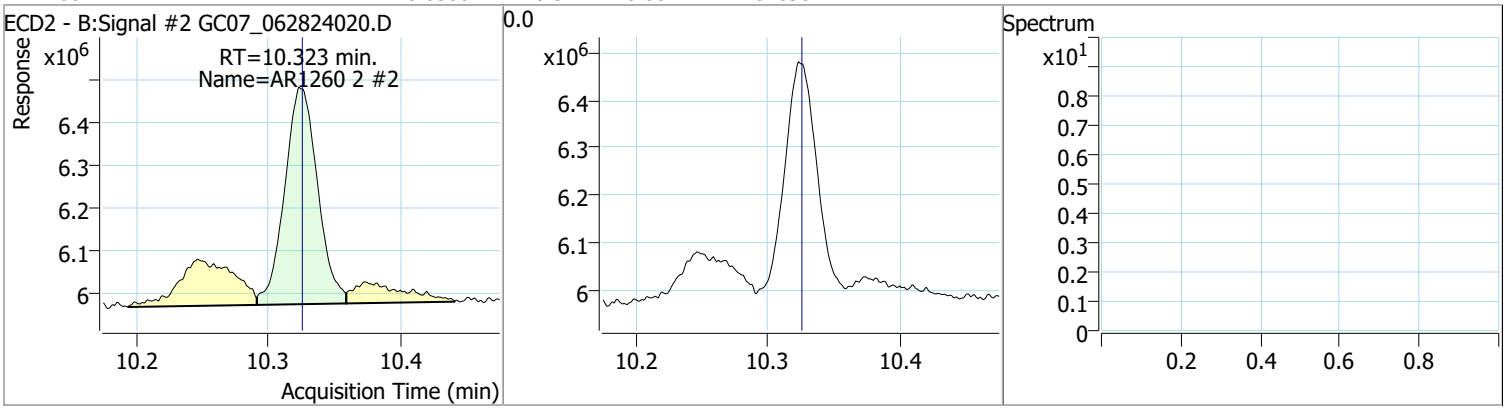
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.9777	10.07	0.00	707183				



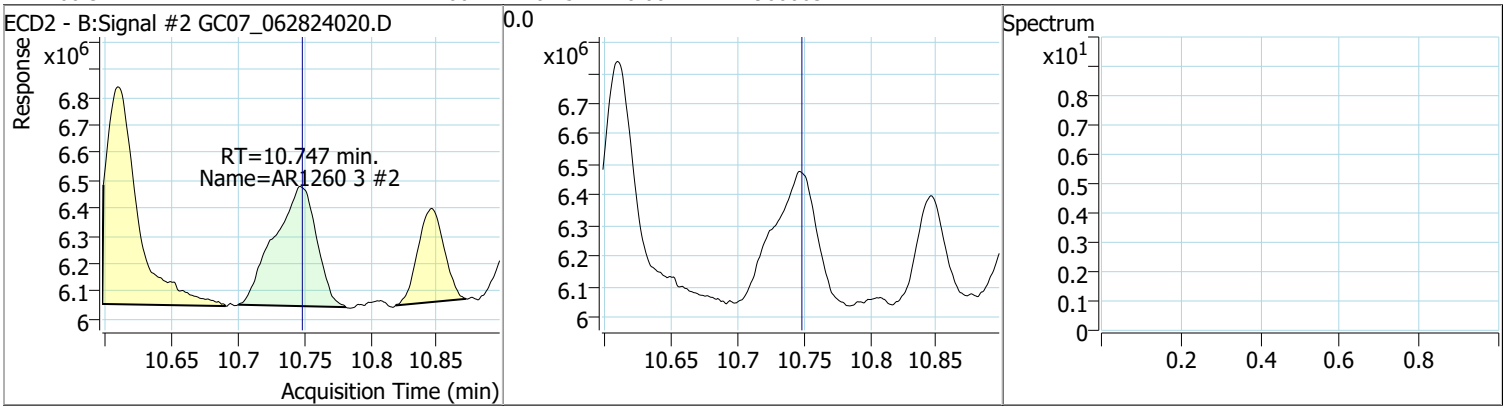
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.9487	10.30	0.00	1916355				



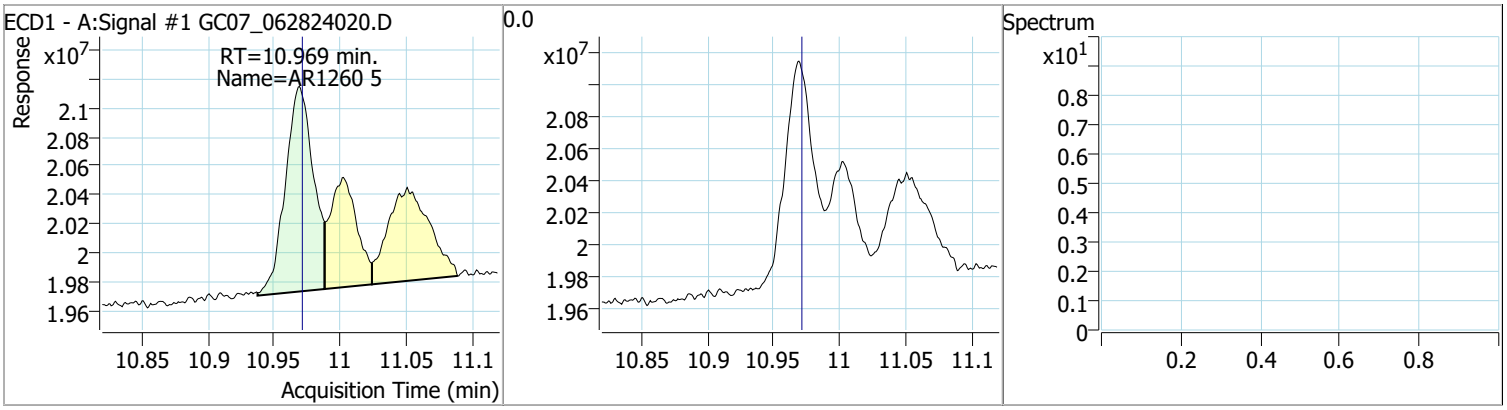
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AR1260 2 #2	26.6300	10.32	0.00	876957				



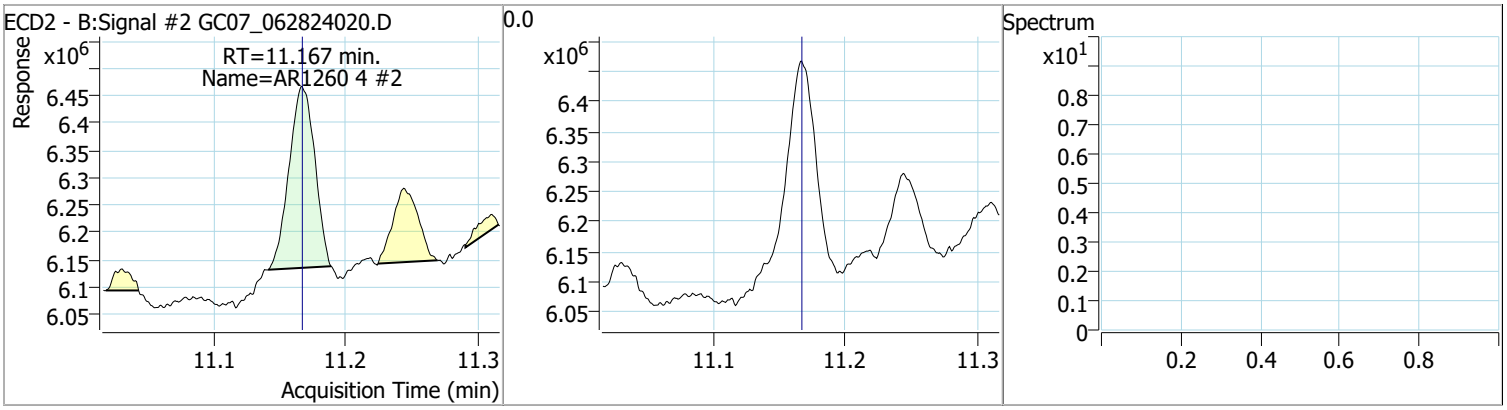
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.2200	10.75	0.00	960063				



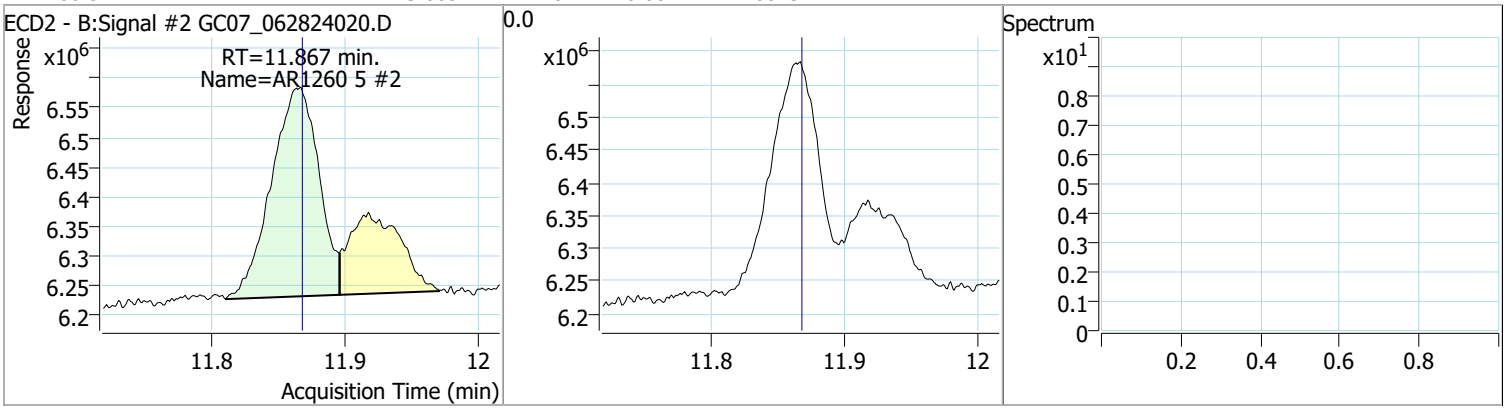
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.8573	10.97	0.00	2085632				



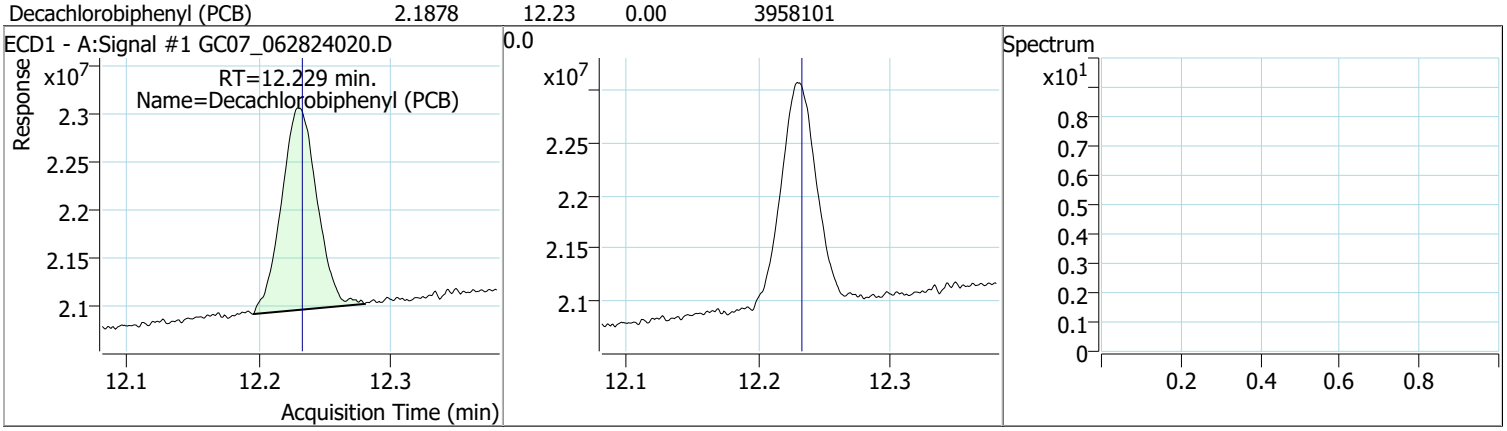
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	17.8832	11.17	0.00	448239				



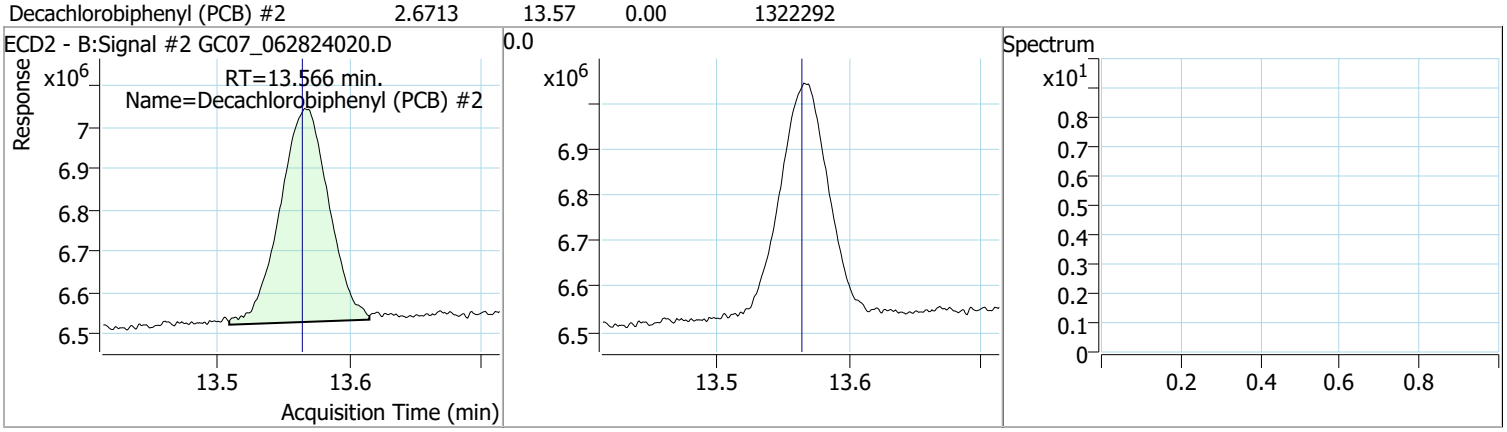
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.6852	11.87	0.00	881344				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1878	12.23	0.00	3958101				

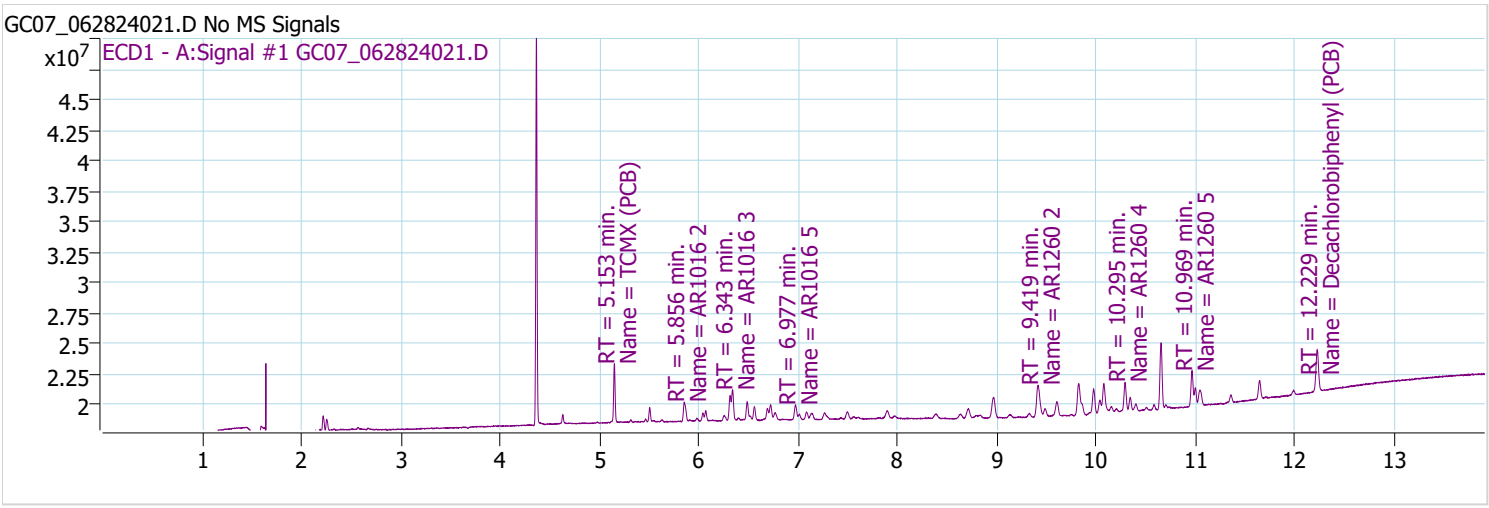


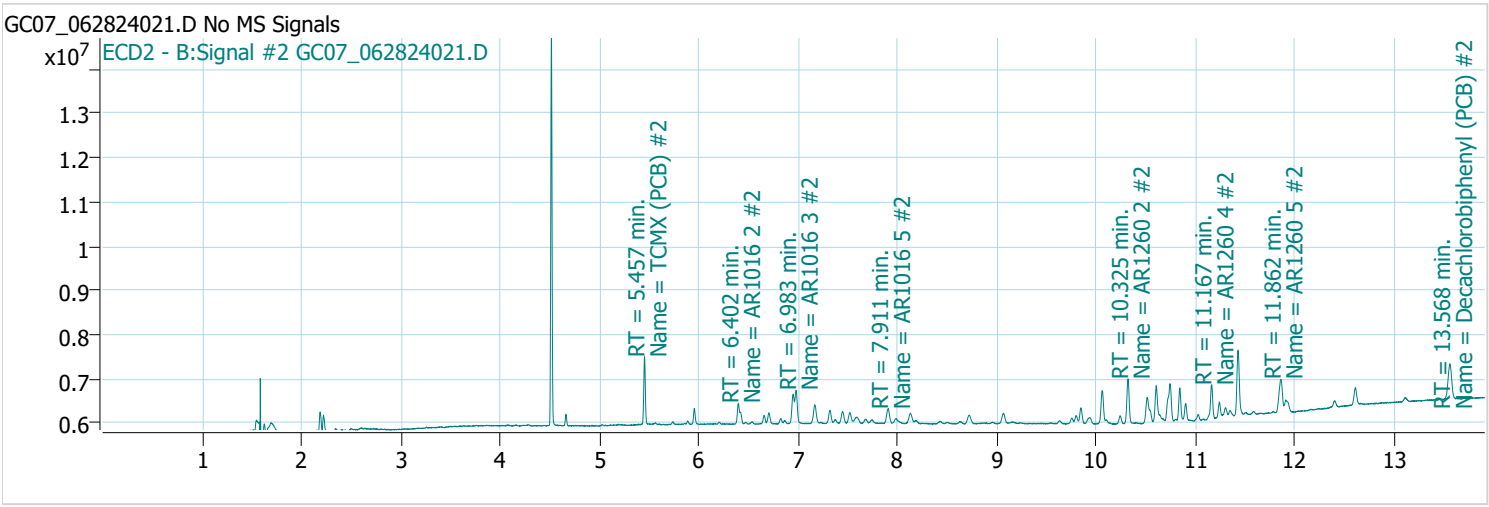
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6713	13.57	0.00	1322292				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:21:15 PM
Sample Name	ICAL, S20884	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



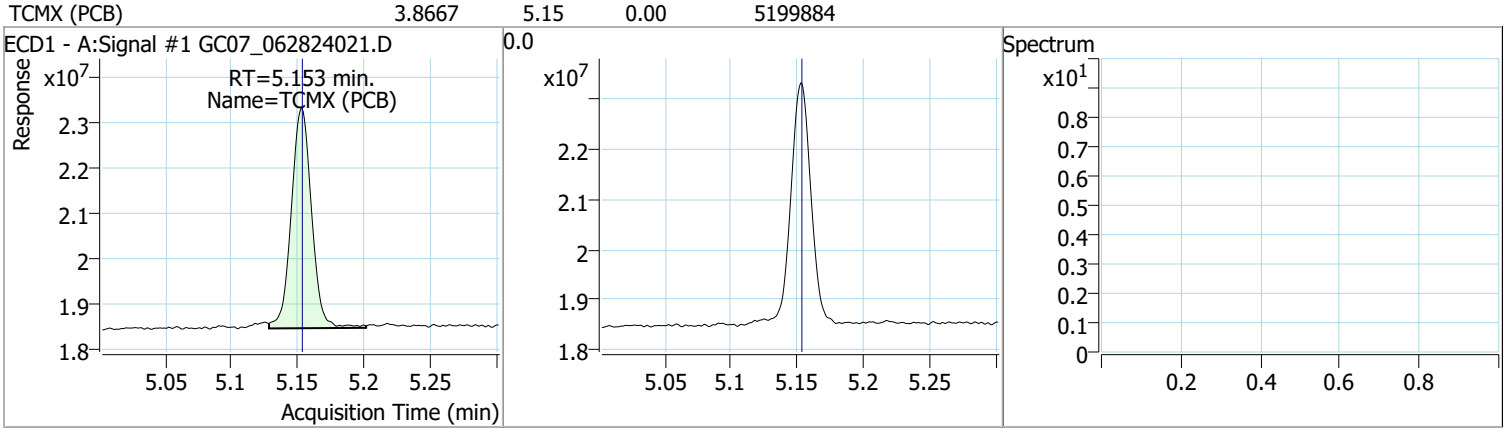


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28707643.033	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.519	0.0	8040733.061	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	5199884.499	3.8667	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.33%		*	
S TCMX (PCB) #2	5.457	0.0	1720703.083	4.4616	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.31%		*	
S Decachlorobiphenyl (PCB)	12.229	0.0	6469062.071	4.0872	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.44%		*	
S Decachlorobiphenyl (PCB) #2	13.568	0.0	2052070.958	4.6716	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%		*	
Target Compounds							QValue

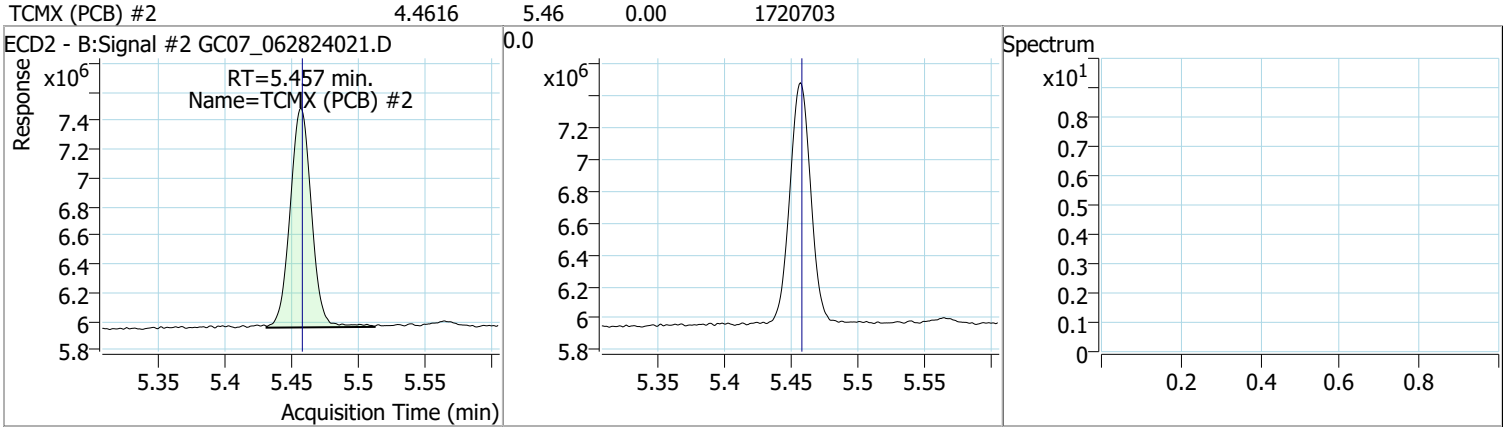
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	1316179.520	52.4516	ng/ml		100
T AR1016 2	5.856	0.0	2702344.344	51.8396	ng/ml		100
T AR1016 1 #2	5.958	0.0	454408.366	53.5238	ng/ml		100
T AR1016 3	6.343	0.0	3592955.586	54.9376	ng/ml		100
T AR1016 2 #2	6.402	0.0	991079.735	56.5021	ng/ml		100
T AR1016 4	6.490	0.0	2136718.056	48.9852	ng/ml	m	100
T AR1016 5	6.977	0.0	1997824.756	52.1055	ng/ml		100
T AR1016 3 #2	6.983	0.0	1288206.681	58.8850	ng/ml		100
T AR1016 4 #2	7.170	0.0	896004.883	55.4049	ng/ml		100
T AR1016 5 #2	7.911	0.0	682282.940	52.1638	ng/ml		100
T AR1260 1	8.973	0.0	3801549.944	49.4359	ng/ml		100
T AR1260 2	9.419	0.0	6104749.711	51.9790	ng/ml		100
T AR1260 3	9.828	0.0	6530061.777	51.6757	ng/ml		100
T AR1260 1 #2	10.065	0.0	1288208.271	55.3770	ng/ml		100
T AR1260 4	10.295	0.0	3805769.202	52.0934	ng/ml		100
T AR1260 2 #2	10.325	0.0	1723687.255	58.9821	ng/ml		100
T AR1260 3 #2	10.747	0.0	1959961.162	55.7175	ng/ml		100
T AR1260 5	10.969	0.0	4469357.866	51.0885	ng/ml		100
T AR1260 4 #2	11.167	0.0	1226114.811	55.1232	ng/ml		100
T AR1260 5 #2	11.862	0.0	1820415.005	55.1278	ng/ml		100

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

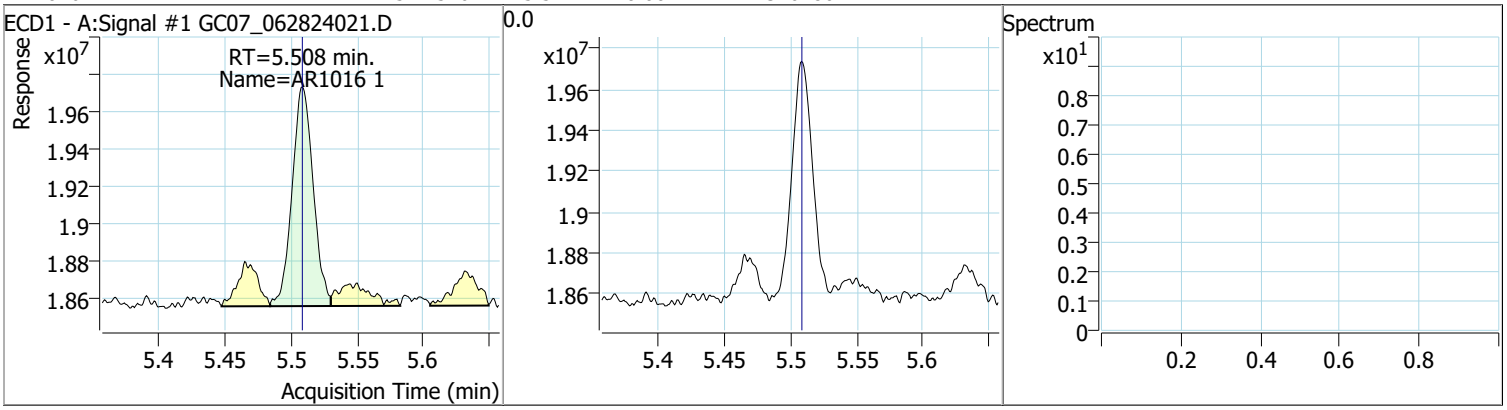
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8667	5.15	0.00	5199884				



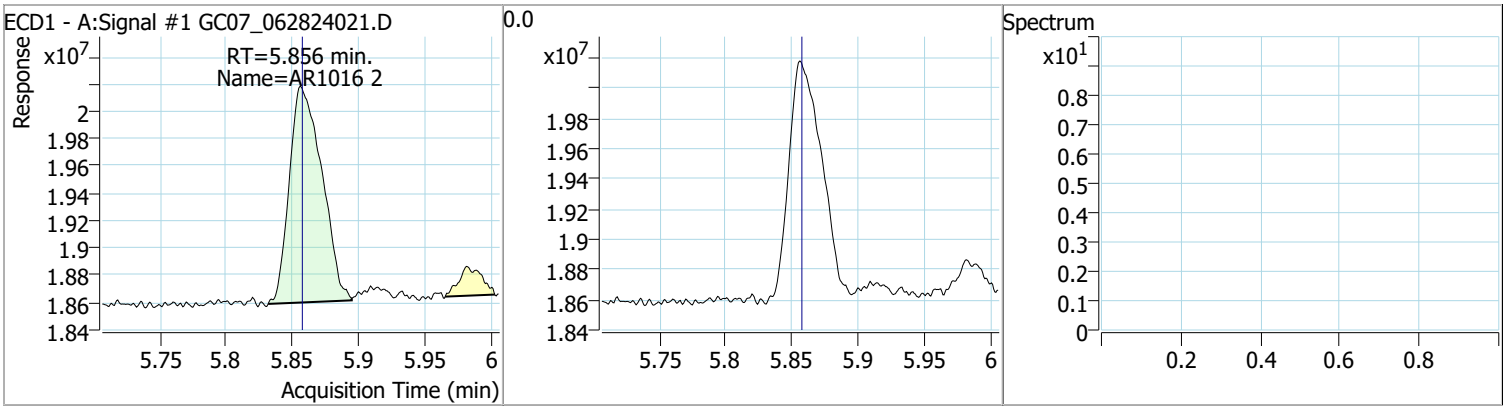
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.4616	5.46	0.00	1720703				



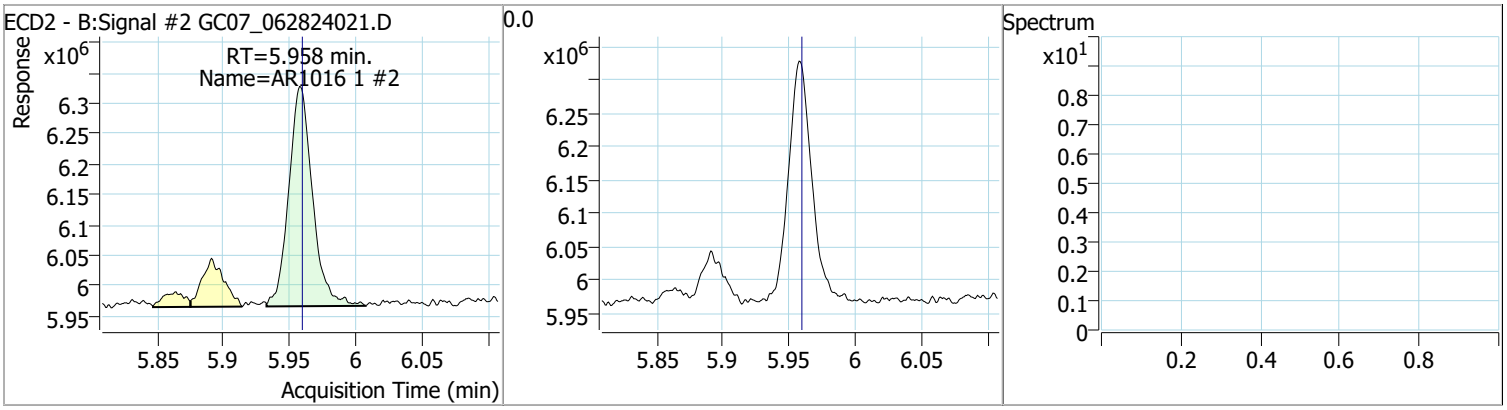
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4516	5.51	0.00	1316180				



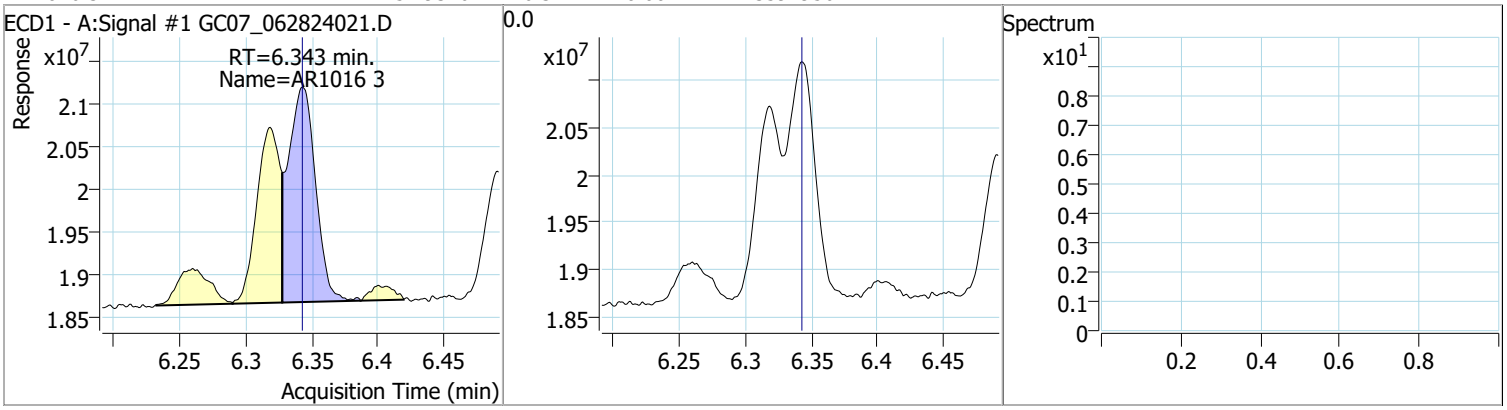
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8396	5.86	0.00	2702344				



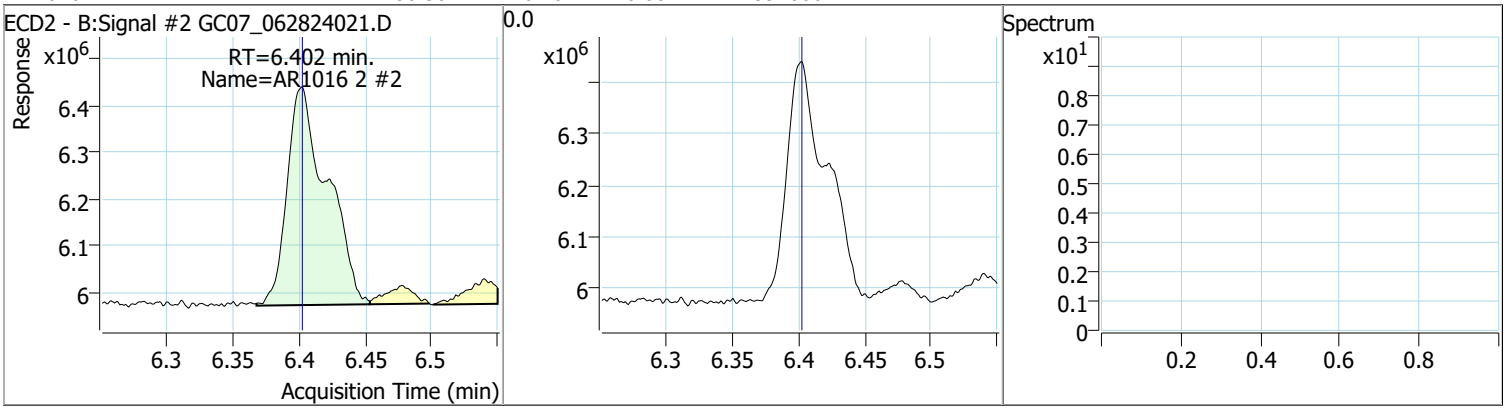
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.5238	5.96	0.00	454408				



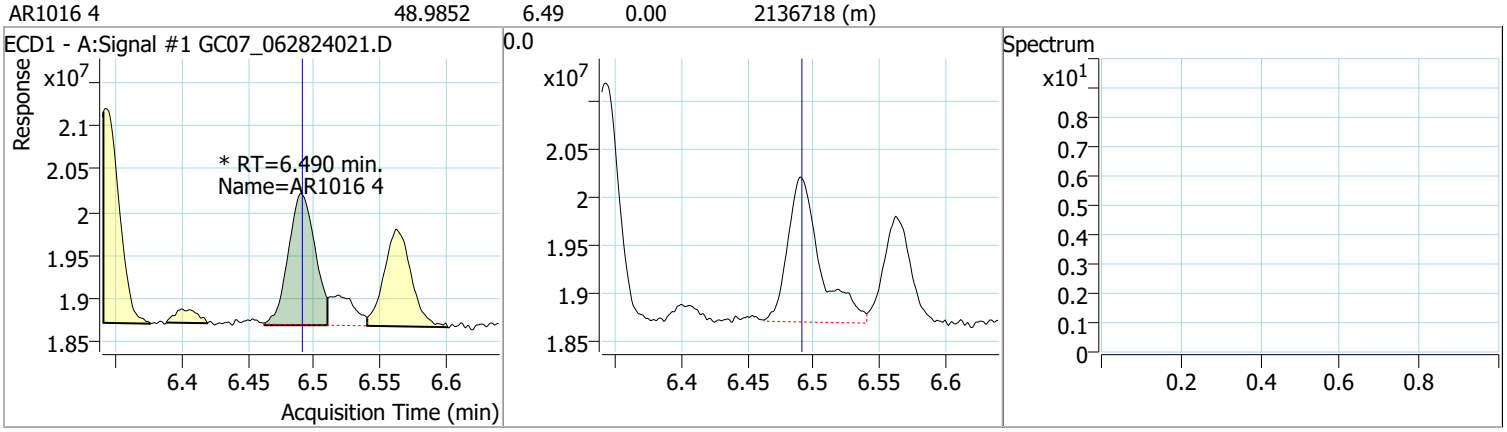
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.9376	6.34	0.00	3592956				



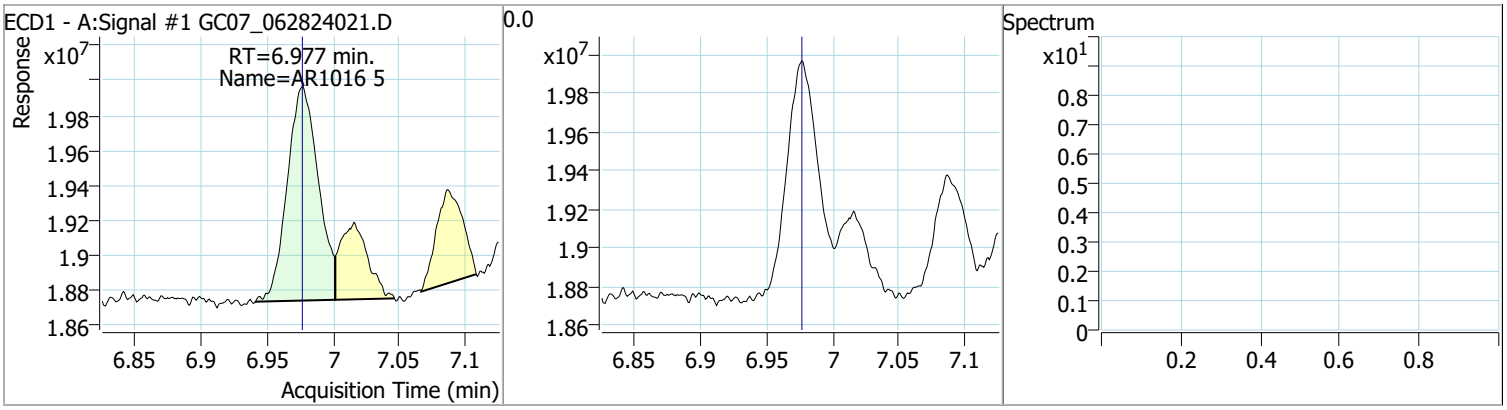
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5021	6.40	0.00	991080				



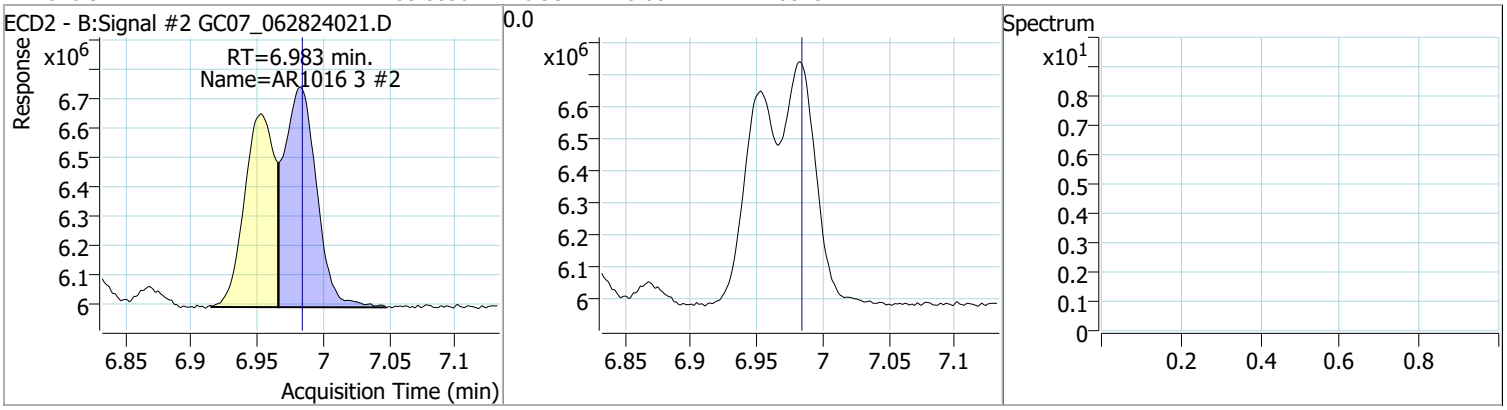
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	48.9852	6.49	0.00	2136718 (m)				



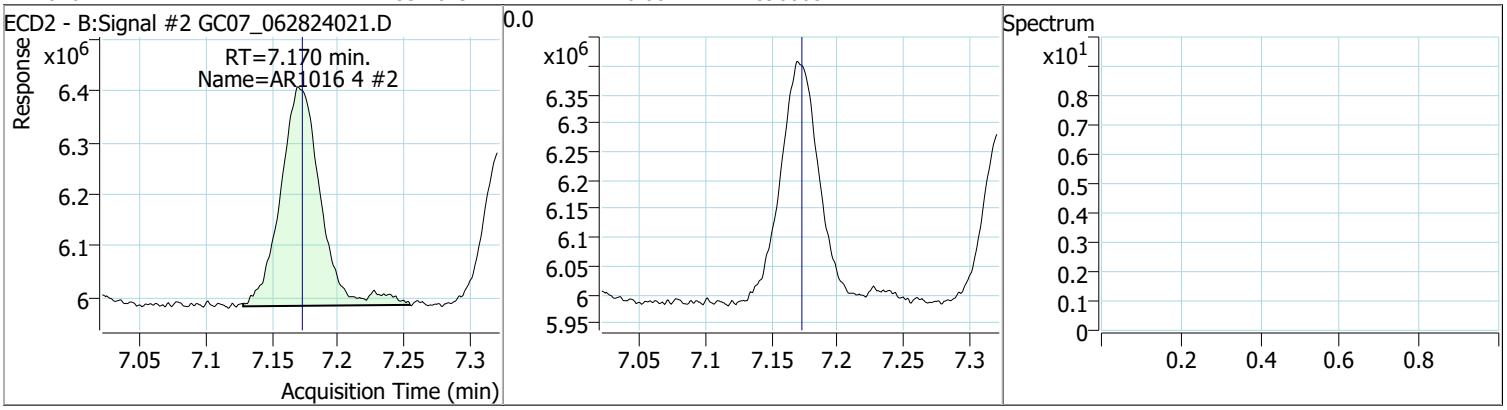
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.1055	6.98	0.00	1997825				



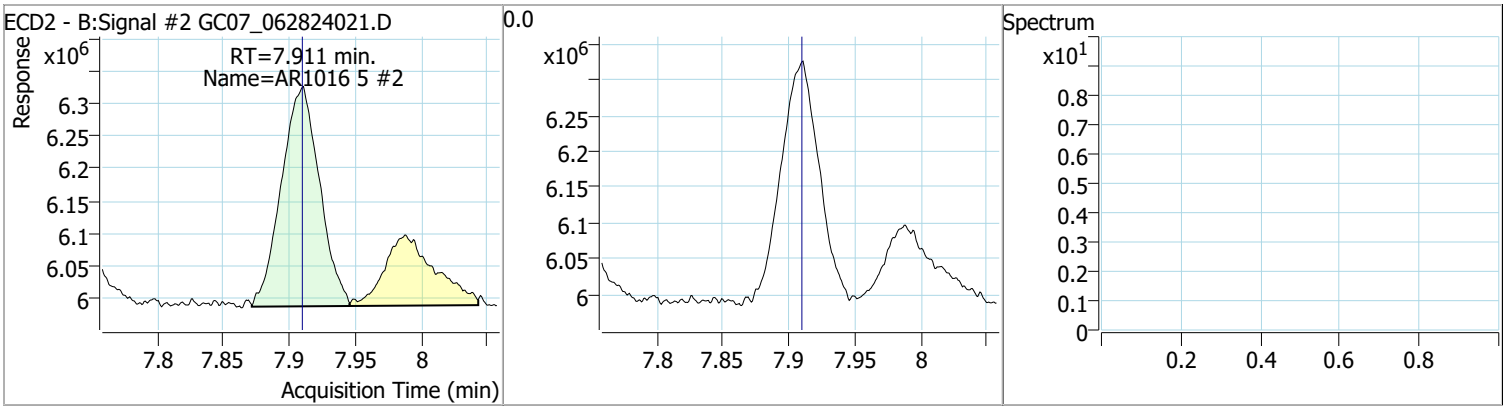
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AR1016 3 #2	58.8850	6.98	0.00	1288207				



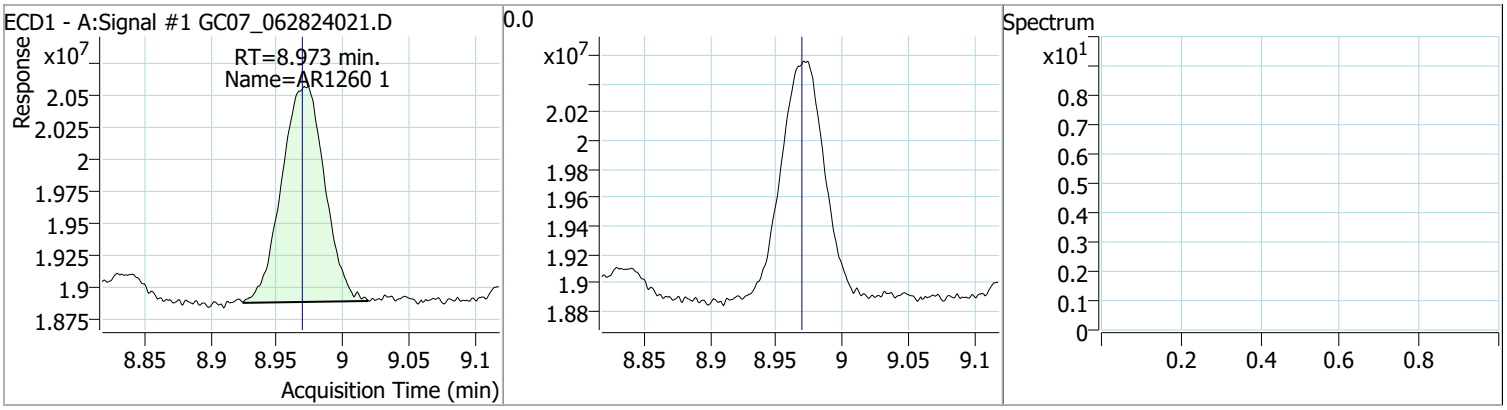
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	55.4049	7.17	0.00	896005				



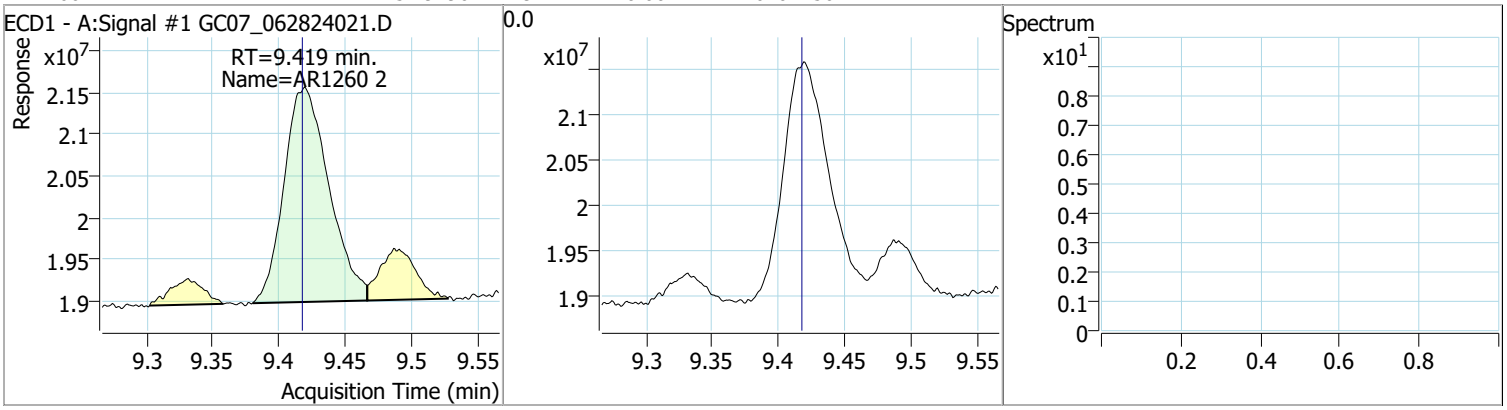
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	52.1638	7.91	0.00	682283				



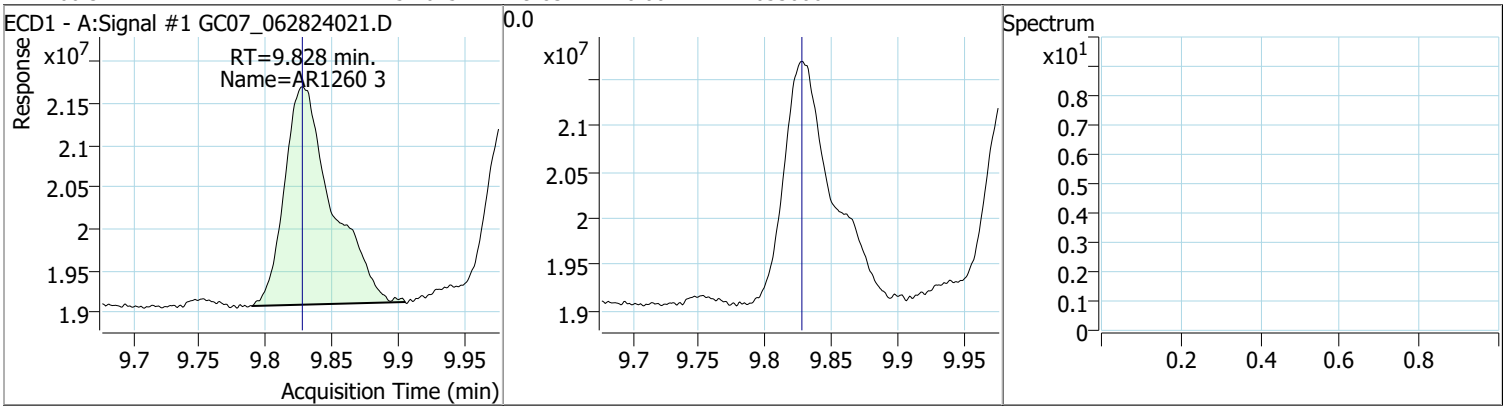
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	49.4359	8.97	0.01	3801550				



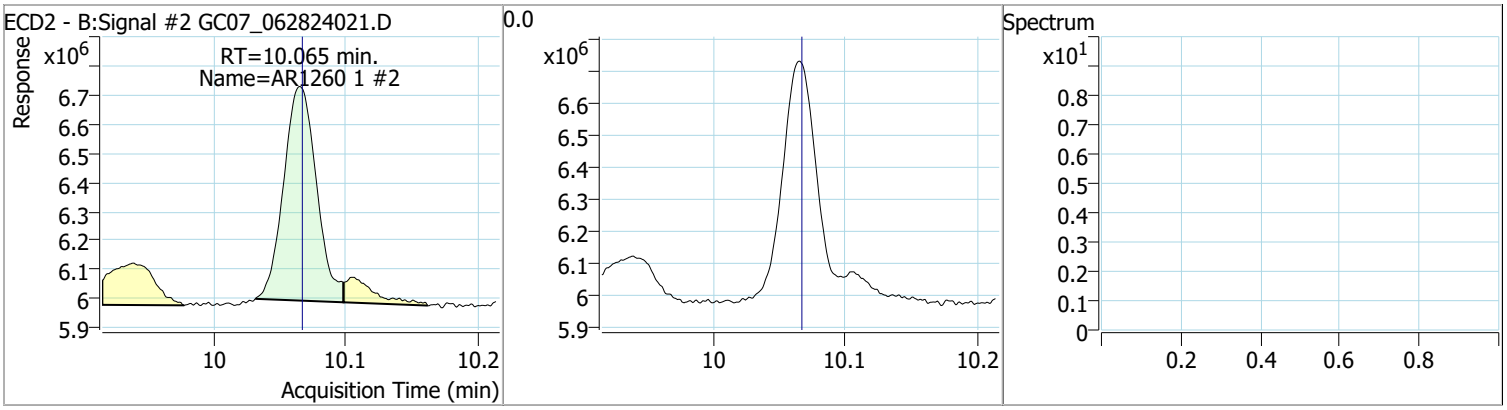
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	51.9790	9.42	0.00	6104750				



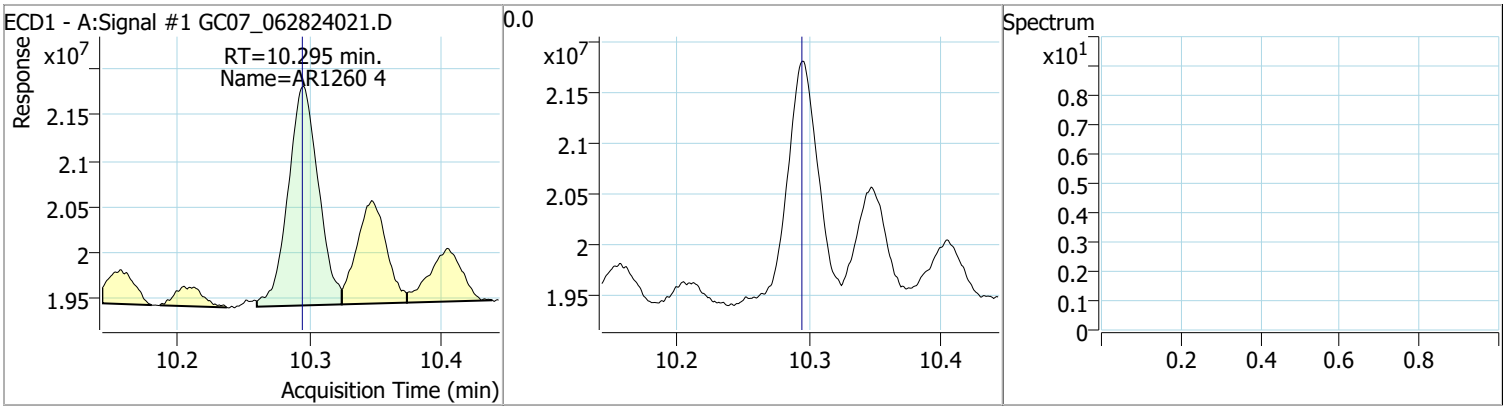
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	51.6757	9.83	0.00	6530062				



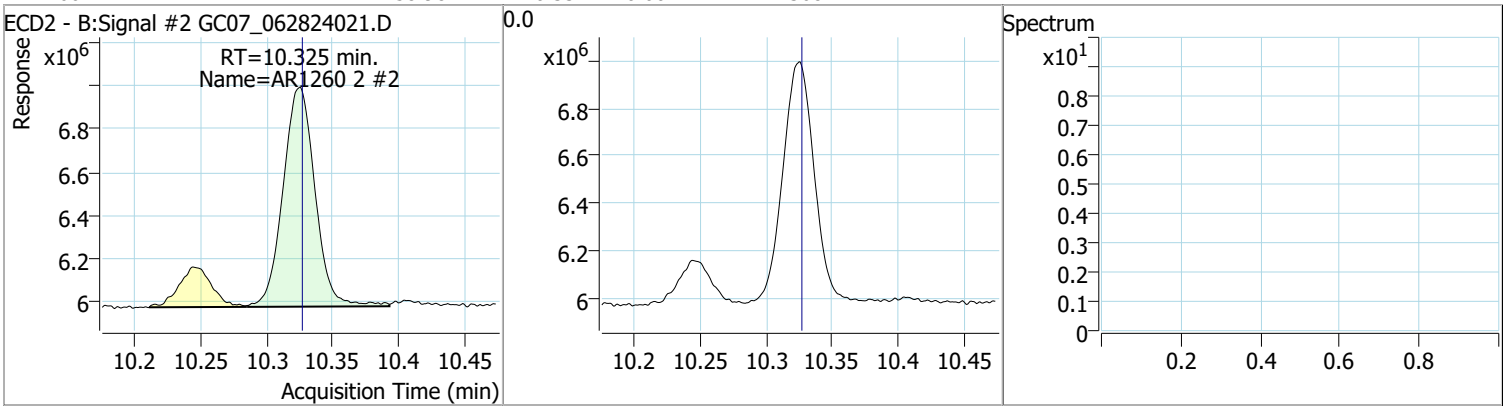
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.3770	10.07	0.00	1288208				



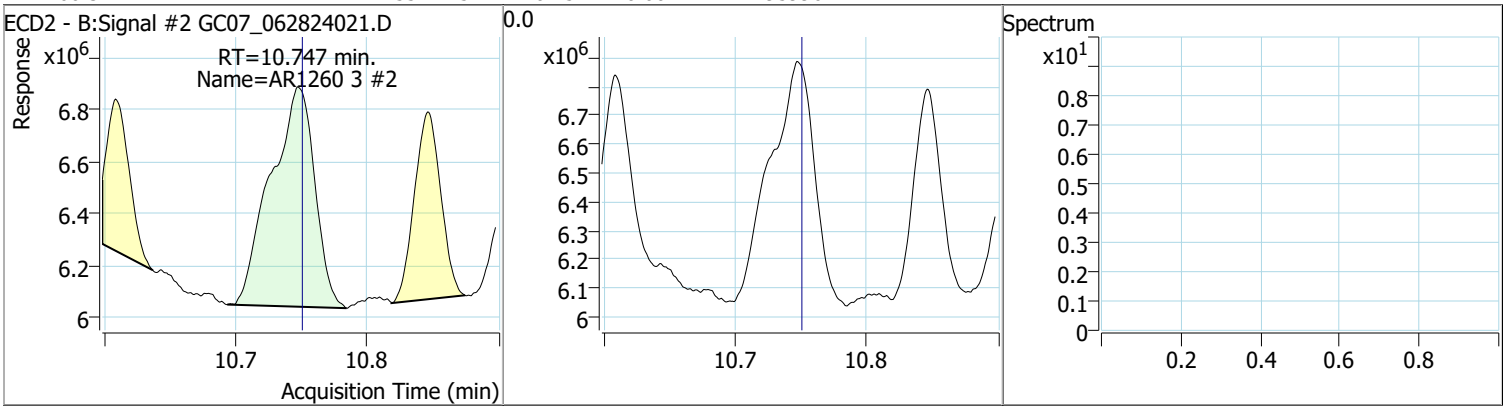
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.0934	10.30	0.00	3805769				



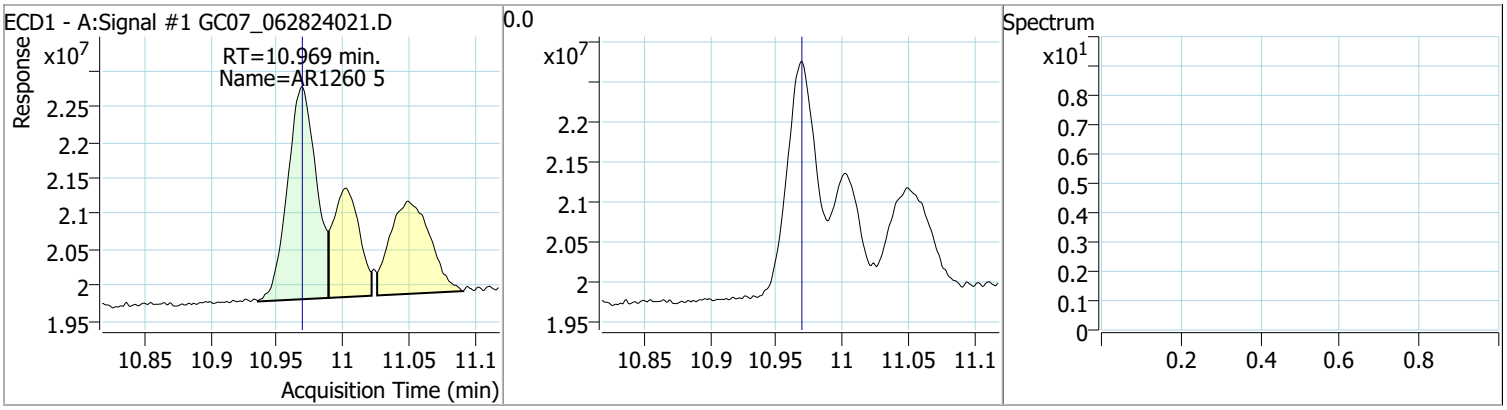
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.9821	10.33	0.00	1723687				



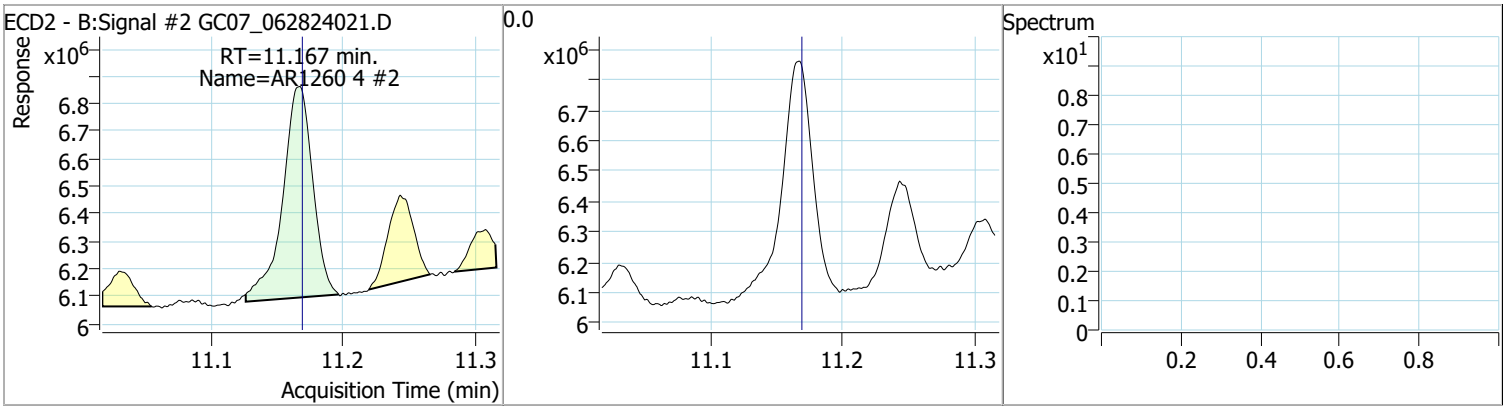
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.7175	10.75	0.00	1959961				



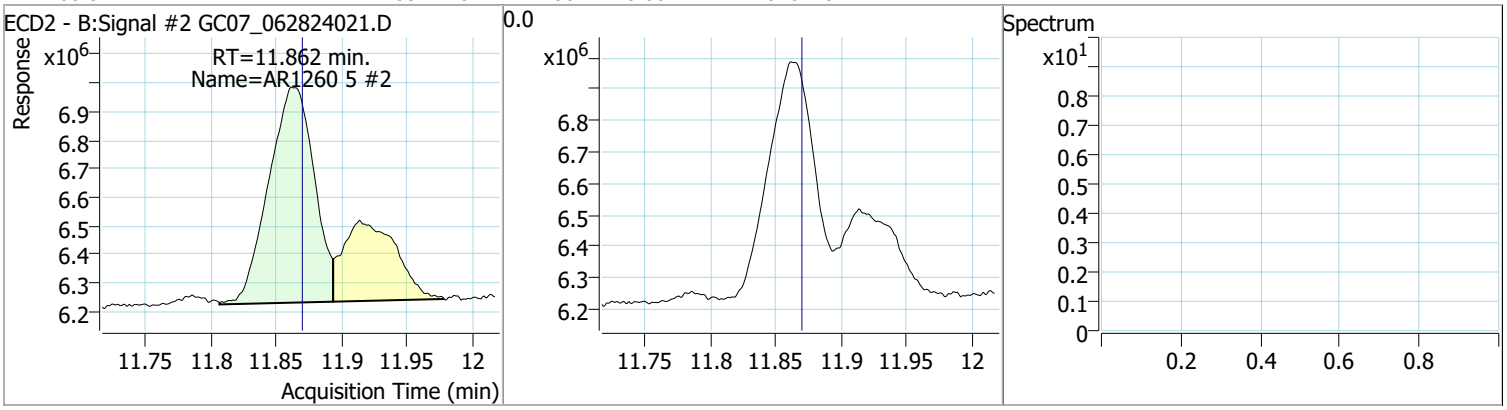
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	51.0885	10.97	0.00	4469358				



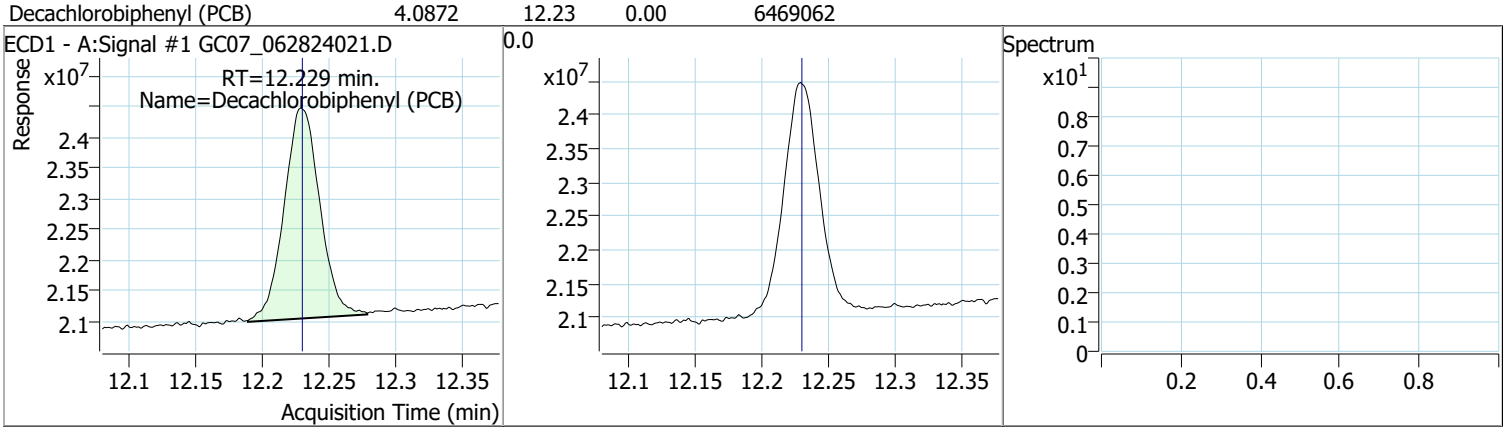
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	55.1232	11.17	0.00	1226115				



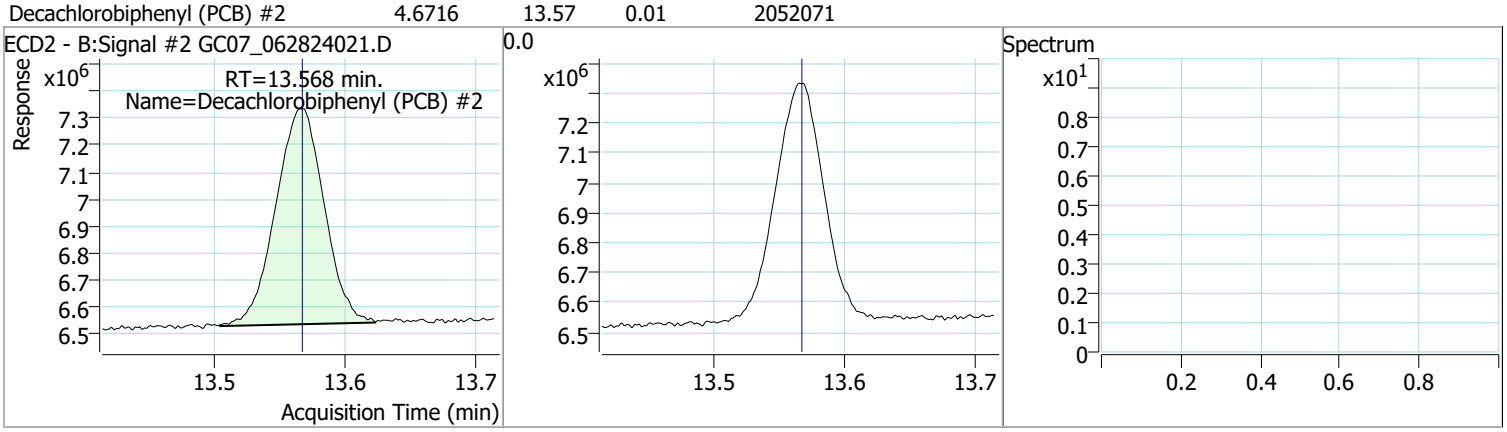
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.1278	11.86	0.00	1820415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0872	12.23	0.00	6469062				

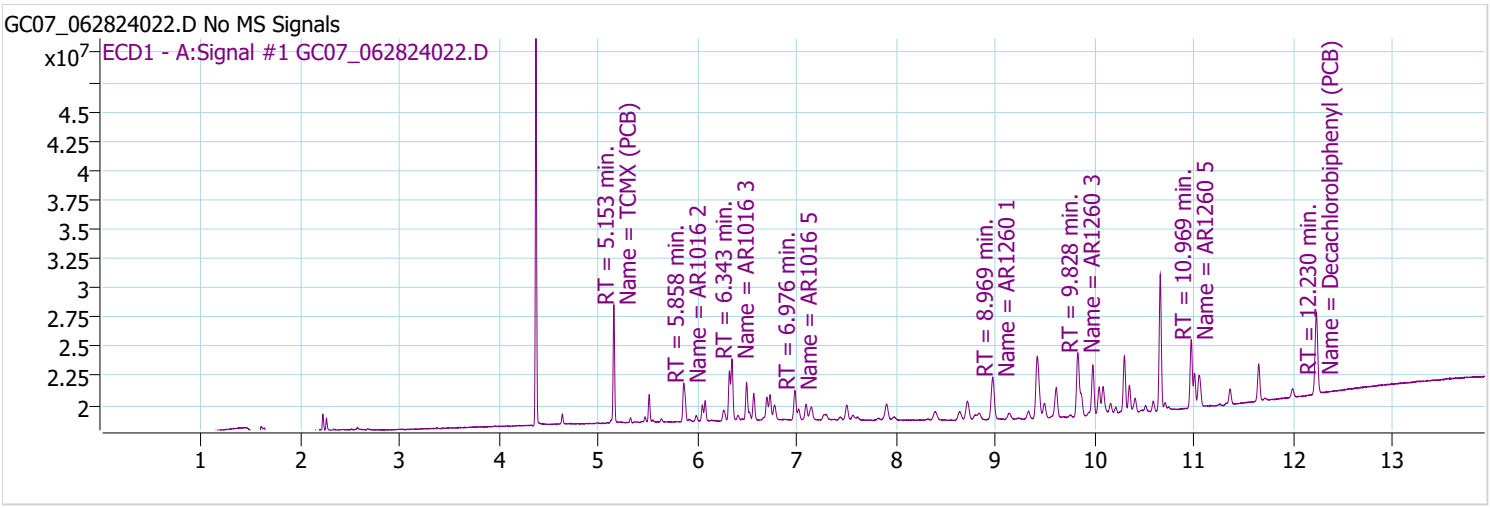


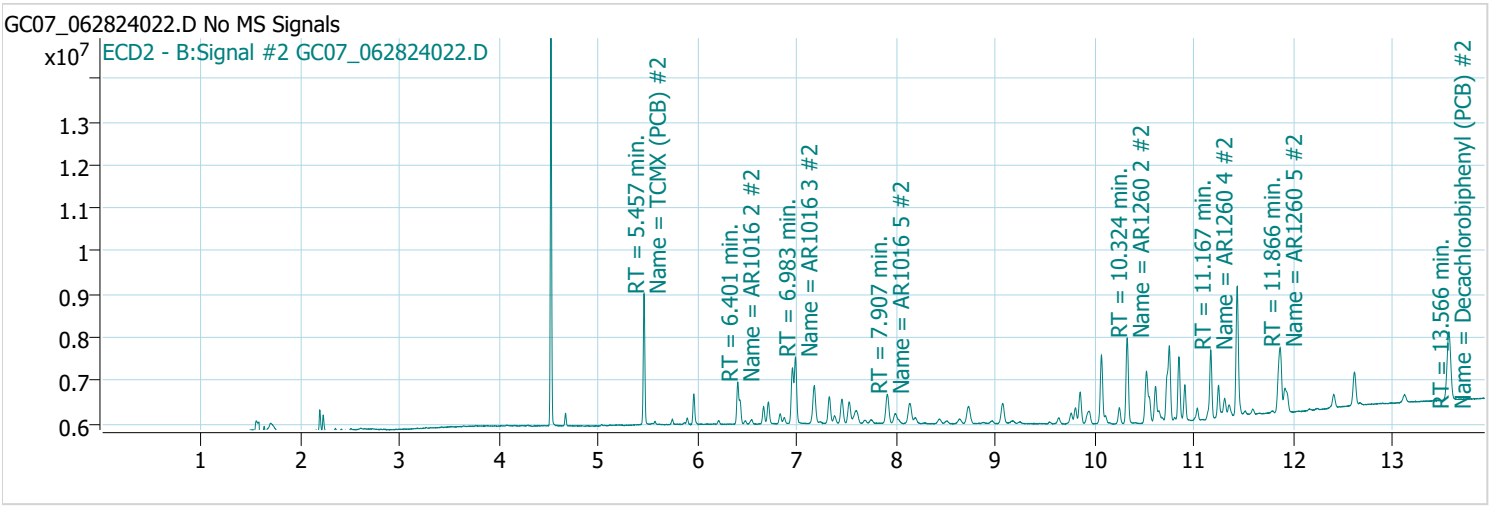
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.6716	13.57	0.01	2052071				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:38:40 PM
Sample Name	ICAL, S20885	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



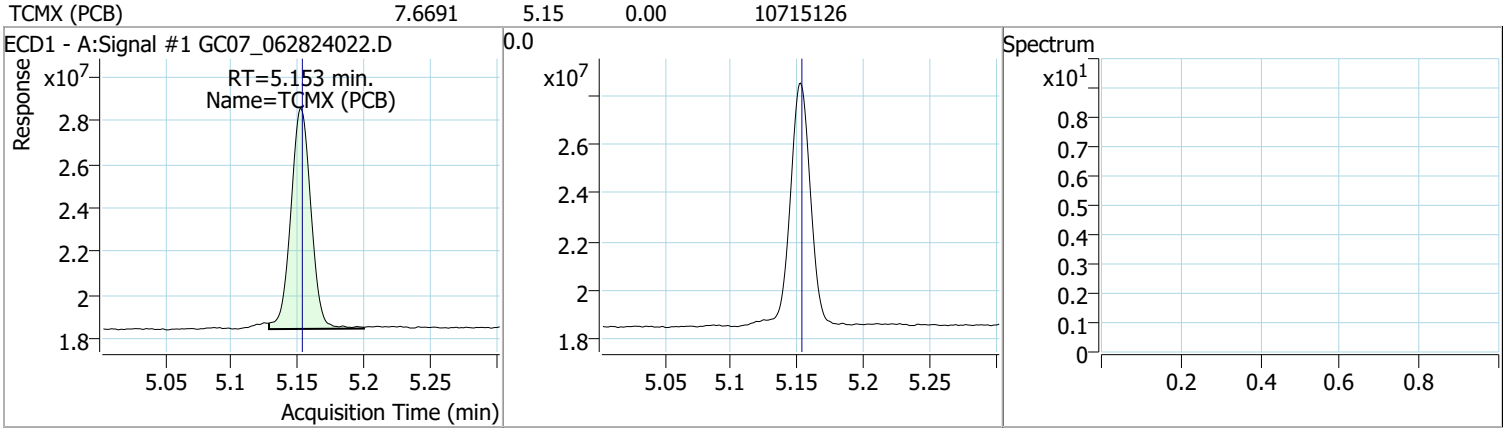


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	29826184.198	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8273172.510	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	10715126.470	7.6691	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.35%		*	
S TCMX (PCB) #2	5.457	0.0	3412297.177	8.5990	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.00%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	13361376.402	8.1252	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.63%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	4177022.833	9.2419	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.21%		*	
Target Compounds							QValue

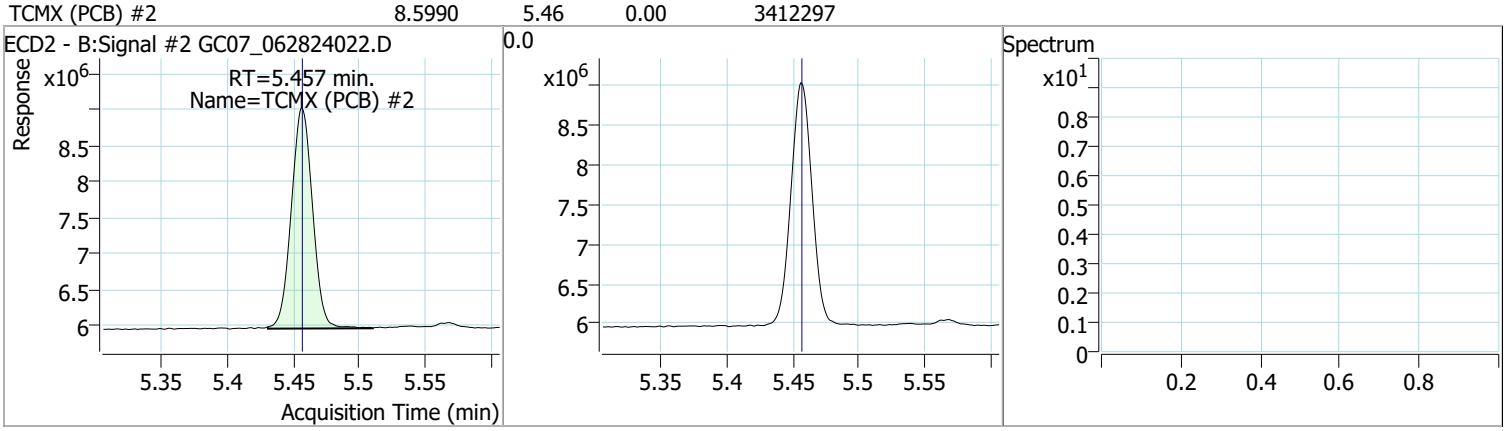
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	2657212.375	101.9225	ng/ml		100
T AR1016 2	5.858	0.0	5739080.003	105.9651	ng/ml		100
T AR1016 1 #2	5.958	0.0	929578.135	106.4167	ng/ml		100
T AR1016 3	6.343	0.0	7358025.992	108.2876	ng/ml		100
T AR1016 2 #2	6.401	0.0	2044379.549	113.2769	ng/ml		100
T AR1016 4	6.490	0.0	4469166.057	98.6152	ng/ml		100
T AR1016 5	6.976	0.0	4190423.642	105.1922	ng/ml		100
T AR1016 3 #2	6.983	0.0	2555167.746	113.5174	ng/ml		100
T AR1016 4 #2	7.173	0.0	1786552.414	107.3685	ng/ml		100
T AR1016 5 #2	7.907	0.0	1431090.872	106.3398	ng/ml		100
T AR1260 1	8.969	0.0	8092605.986	101.2907	ng/ml		100
T AR1260 2	9.419	0.0	12517533.348	102.5838	ng/ml		100
T AR1260 3	9.828	0.0	13459933.200	102.5207	ng/ml	m	100
T AR1260 1 #2	10.065	0.0	2794544.529	116.7556	ng/ml		100
T AR1260 4	10.297	0.0	7856018.380	103.5005	ng/ml		100
T AR1260 2 #2	10.324	0.0	3418547.712	113.6912	ng/ml		100
T AR1260 3 #2	10.749	0.0	4013258.360	110.8829	ng/ml		100
T AR1260 5	10.969	0.0	9133510.153	100.4884	ng/ml		100
T AR1260 4 #2	11.167	0.0	2572032.147	112.3837	ng/ml		100
T AR1260 5 #2	11.866	0.0	3668290.261	107.9662	ng/ml		100

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

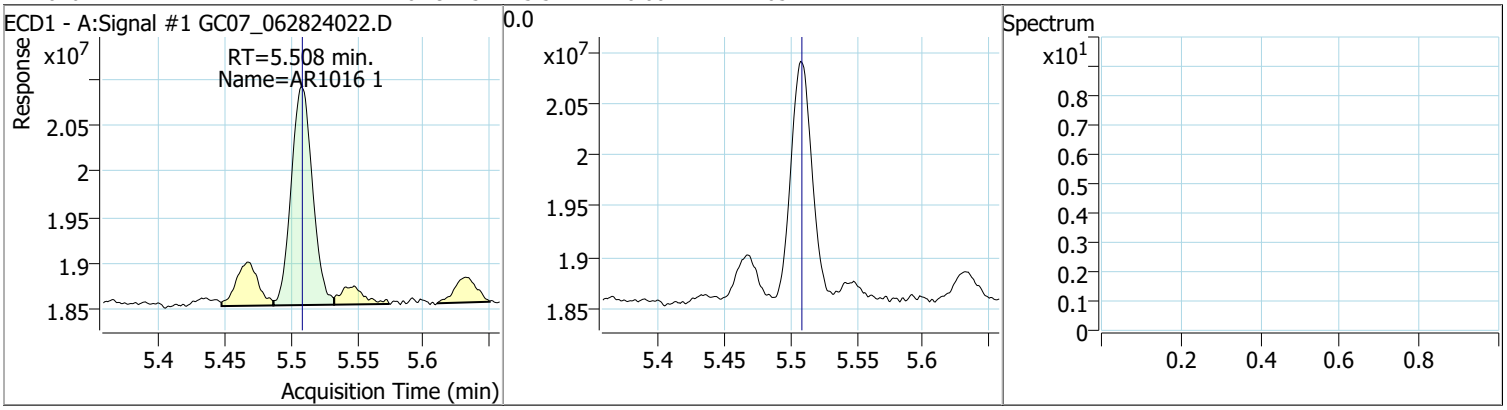
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.6691	5.15	0.00	10715126				



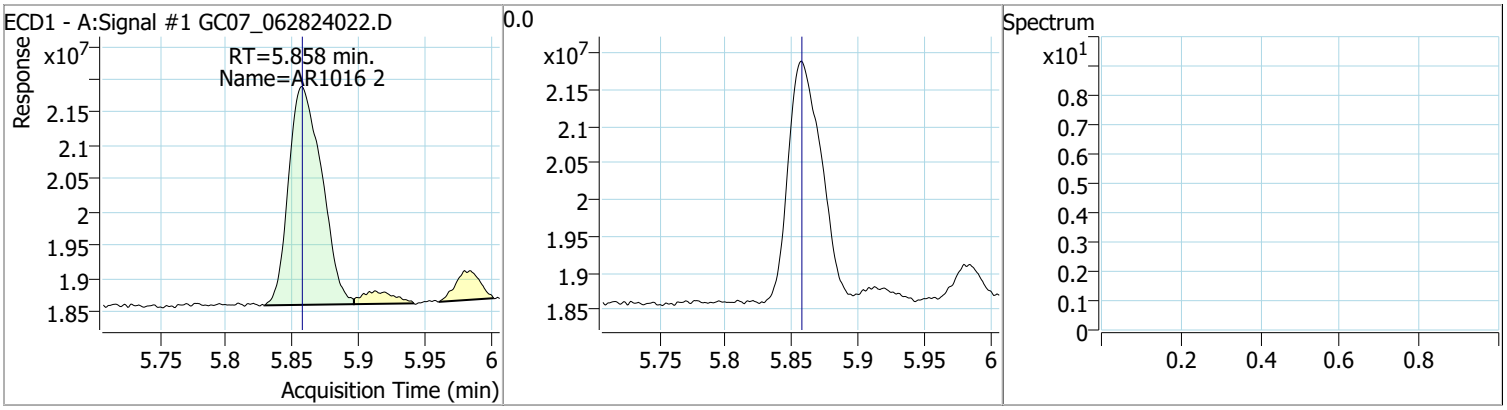
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.5990	5.46	0.00	3412297				



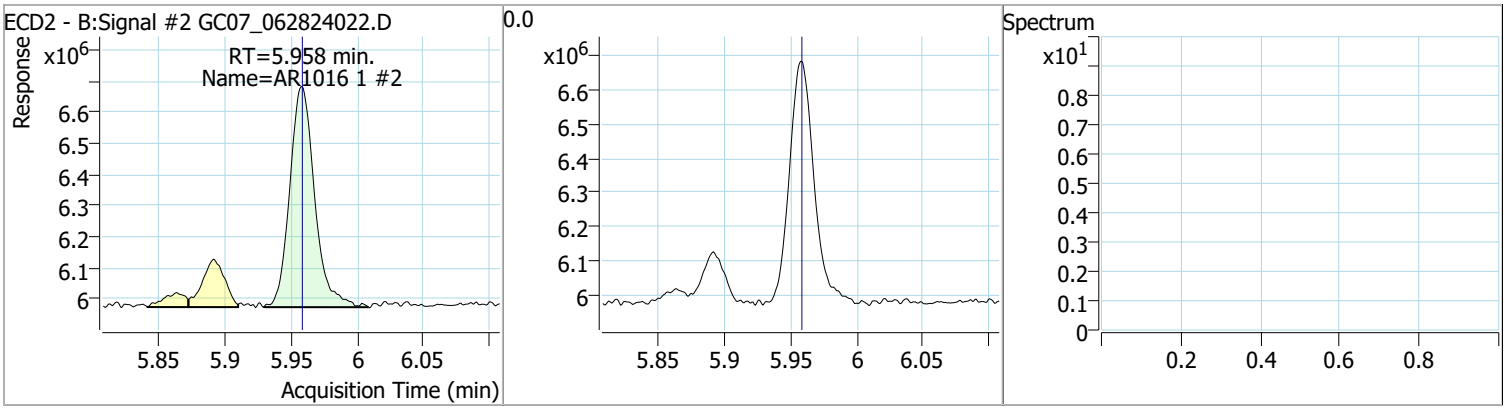
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	101.9225	5.51	0.00	2657212				



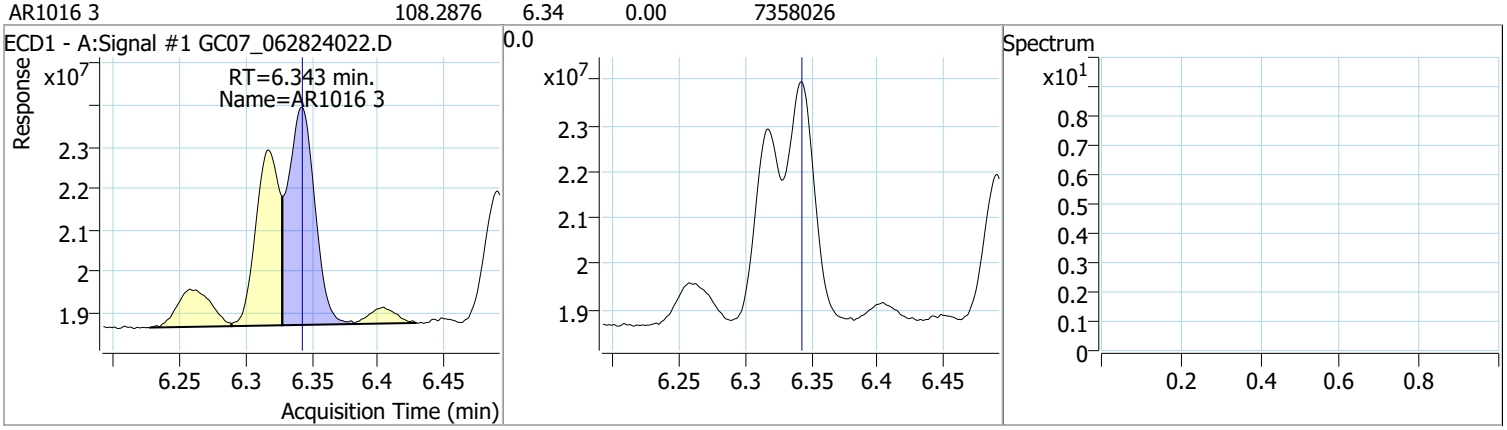
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.9651	5.86	0.00	5739080				



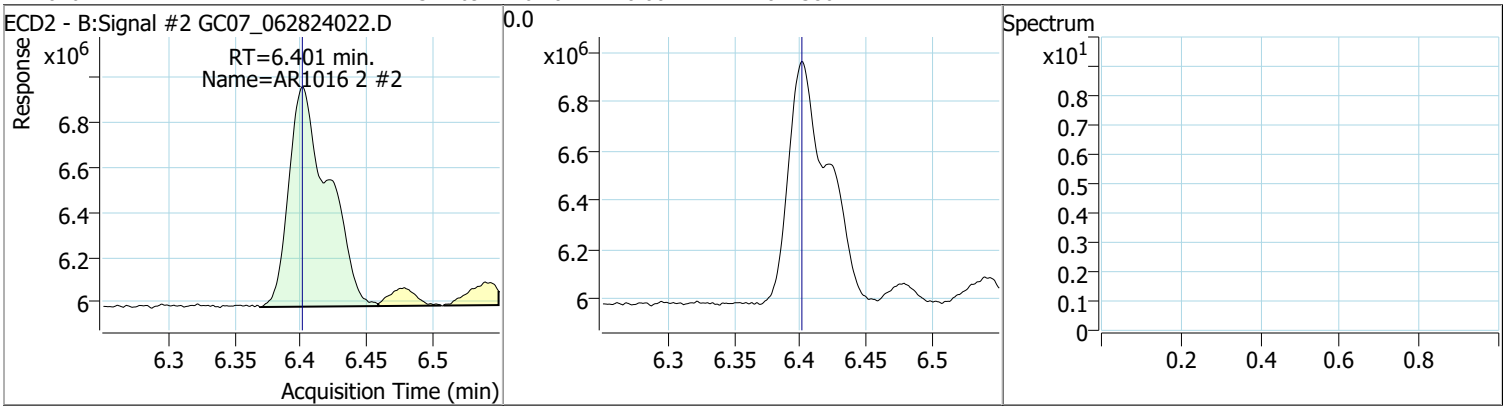
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.4167	5.96	0.00	929578				



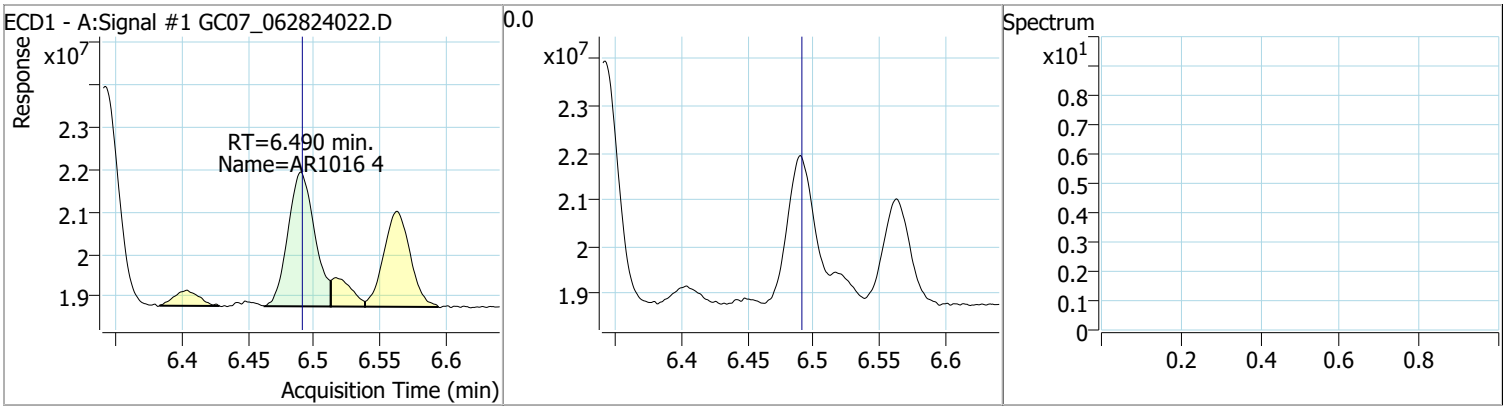
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.2876	6.34	0.00	7358026				



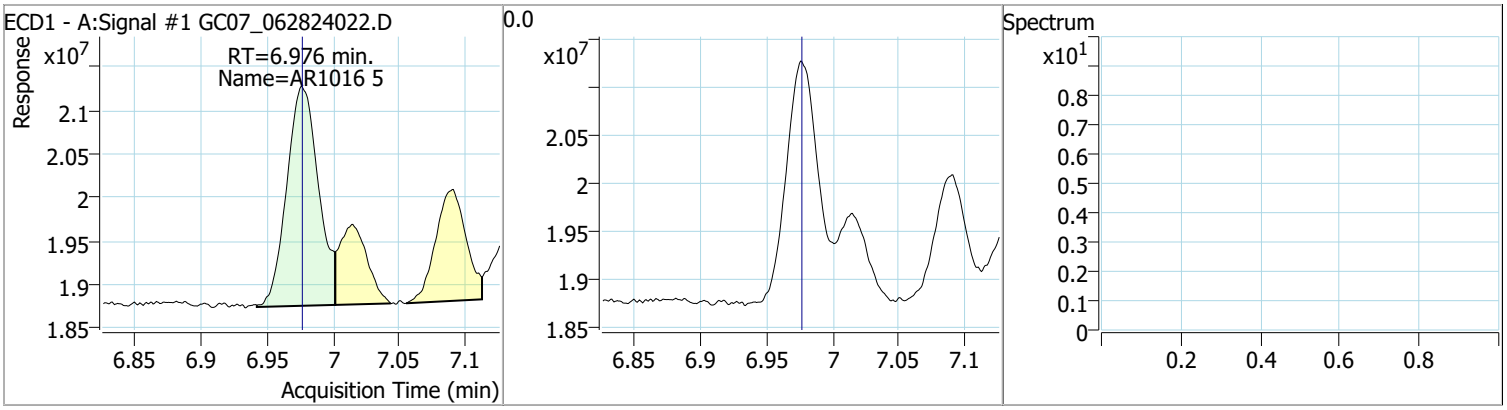
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	113.2769	6.40	0.00	2044380				



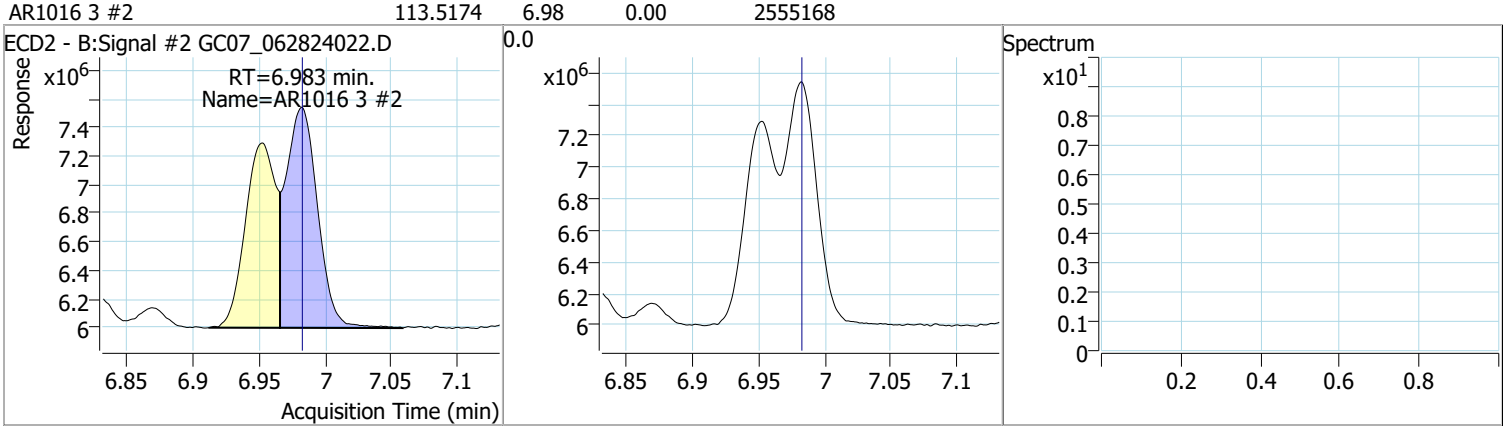
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	98.6152	6.49	0.00	4469166				



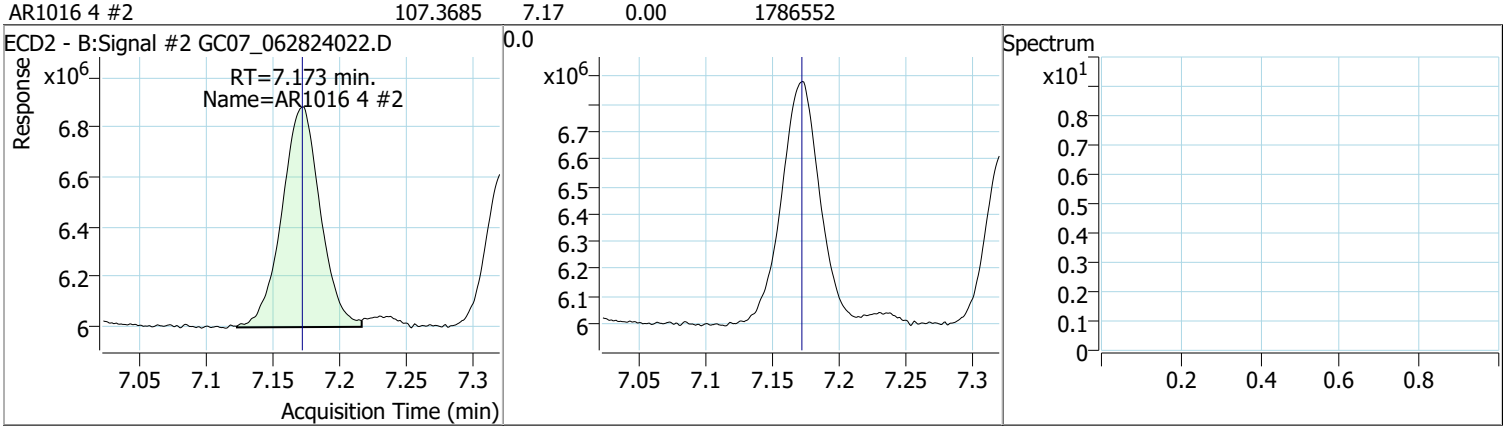
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.1922	6.98	0.00	4190424				



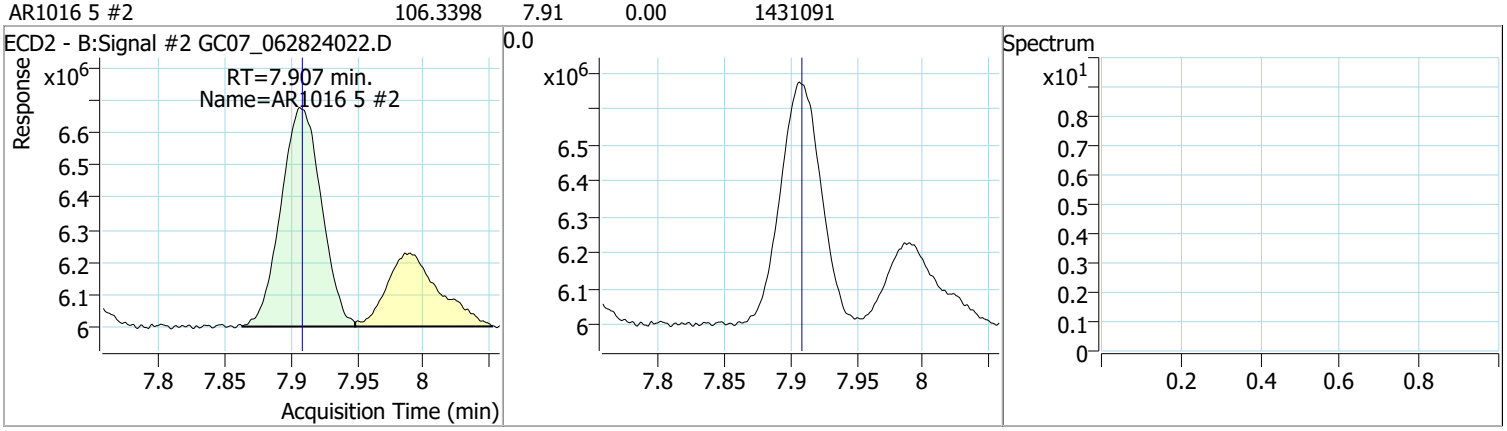
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	113.5174	6.98	0.00	2555168				



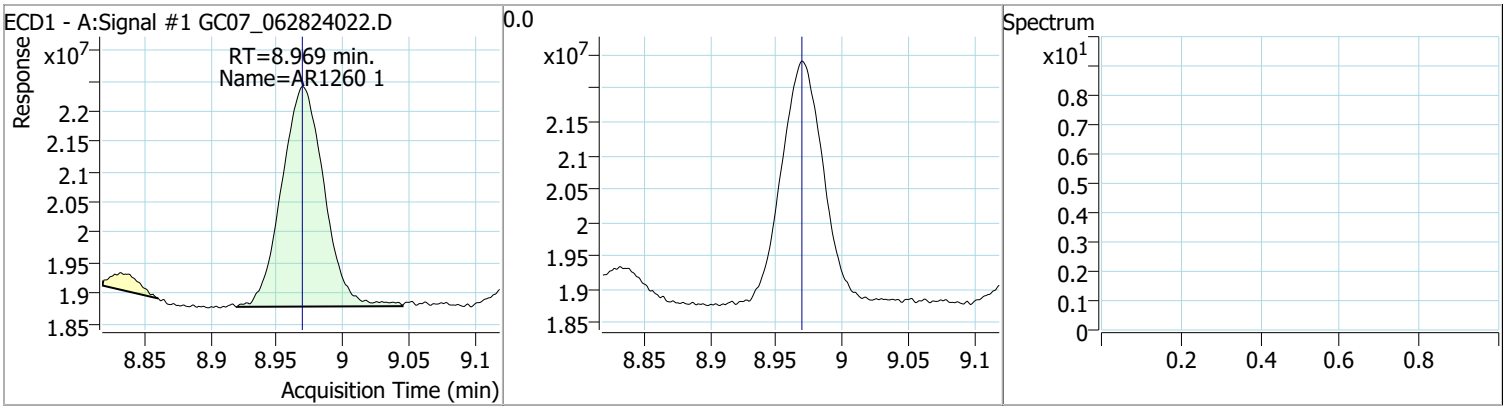
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	107.3685	7.17	0.00	1786552				



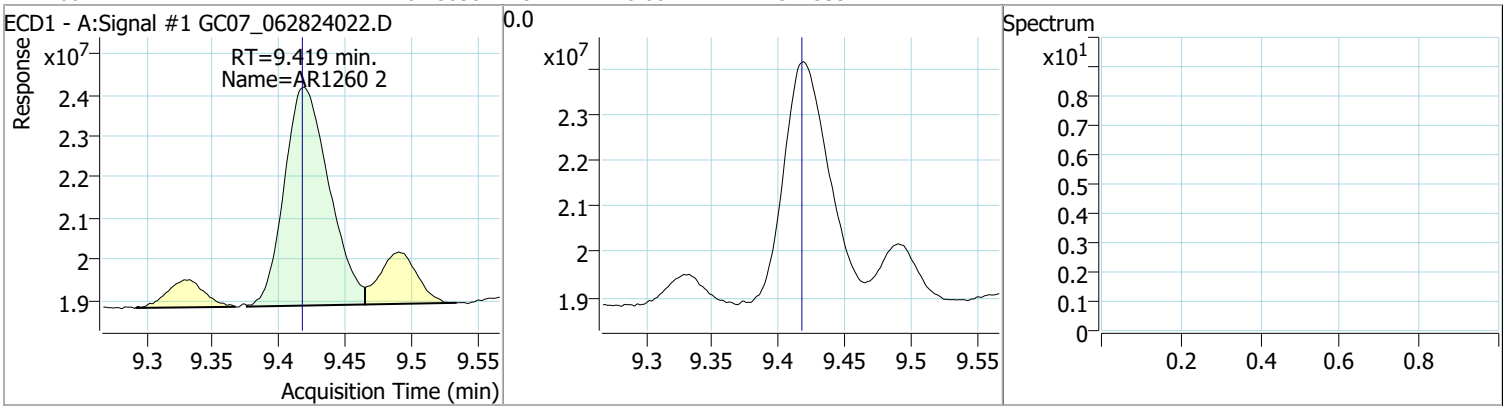
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.3398	7.91	0.00	1431091				



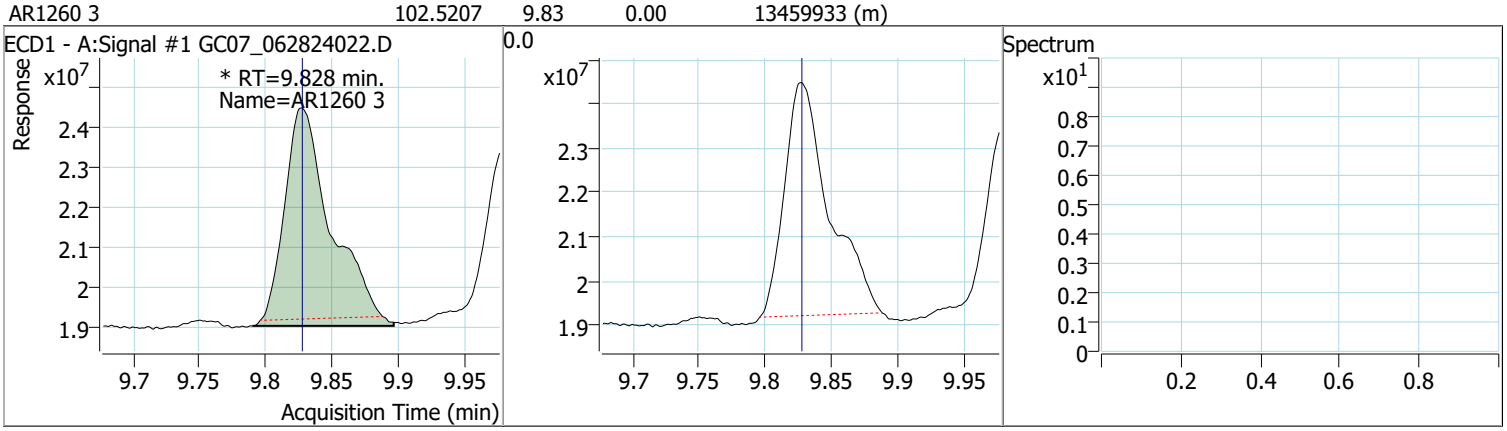
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	101.2907	8.97	0.00	8092606				



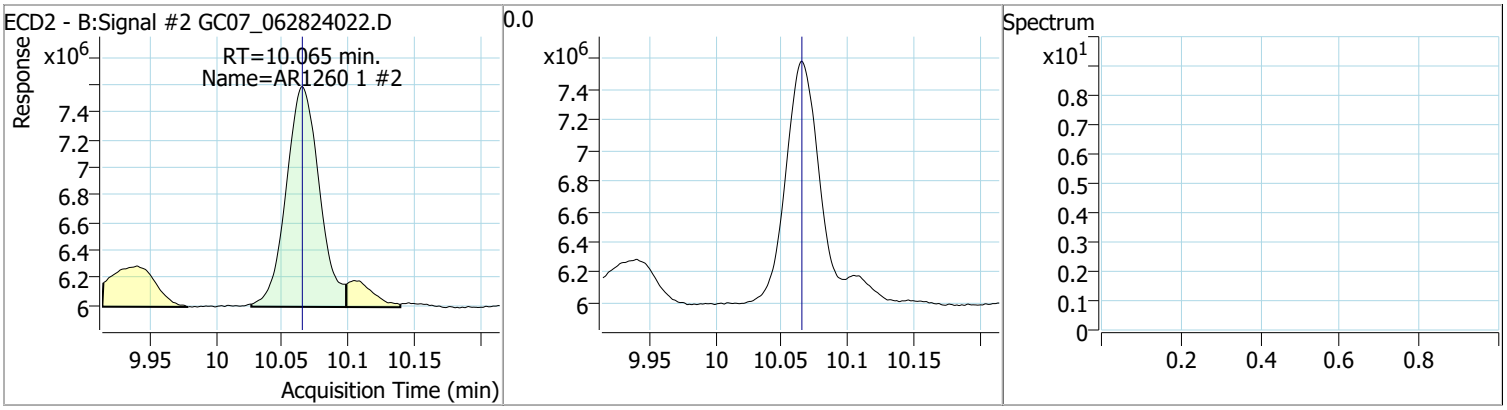
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	102.5838	9.42	0.00	12517533				



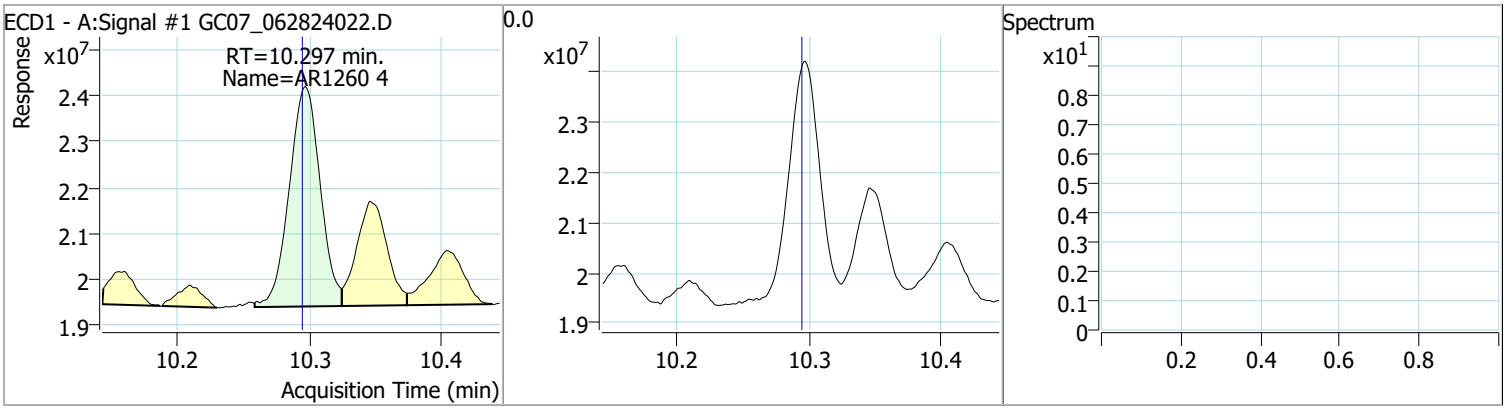
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	102.5207	9.83	0.00	13459933 (m)				



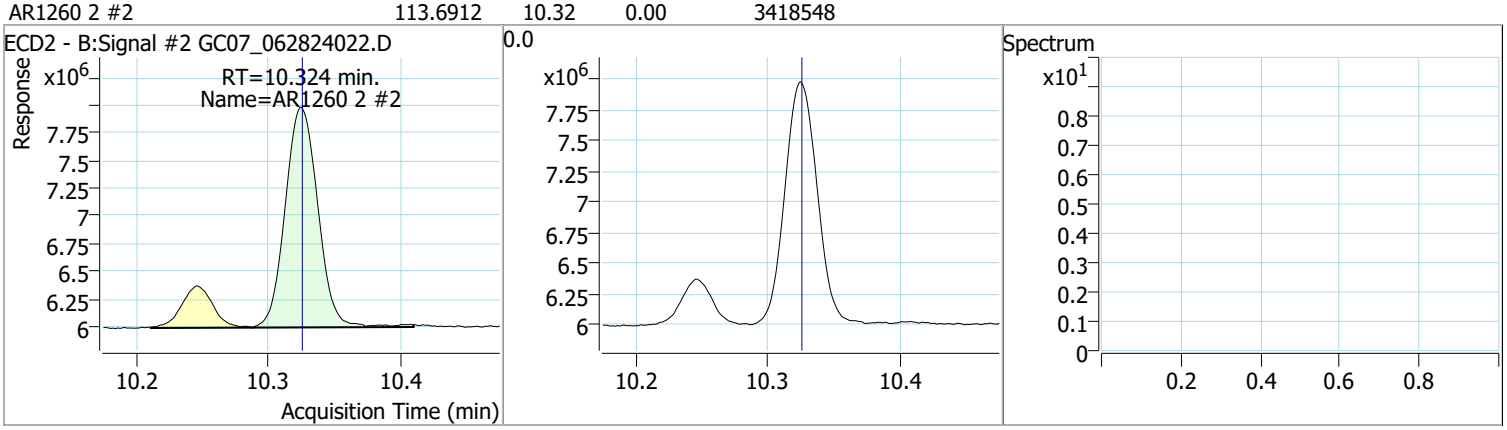
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	116.7556	10.07	0.00	2794545				



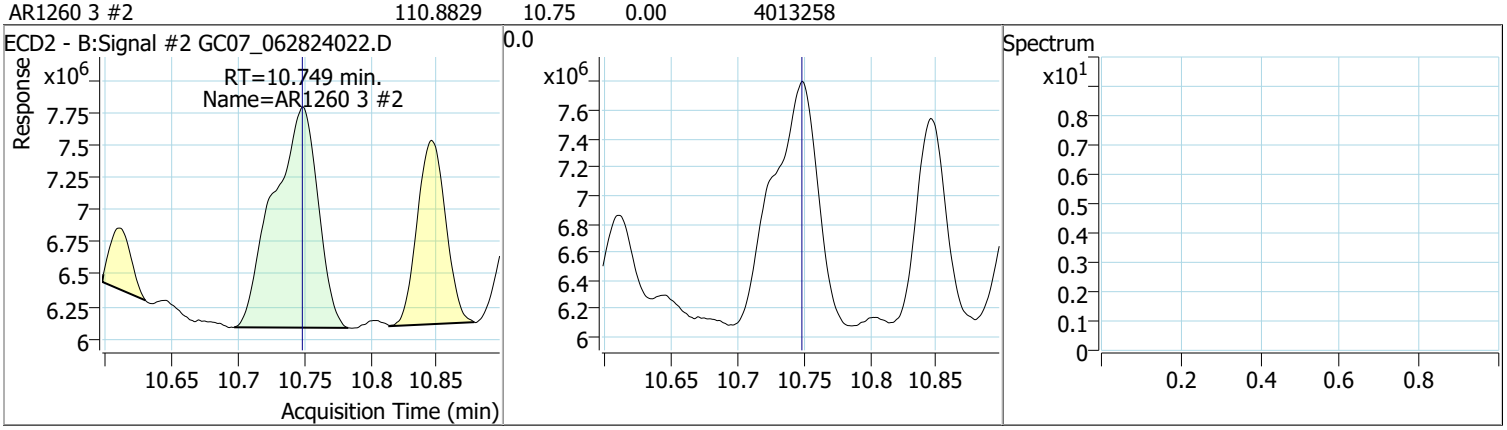
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	103.5005	10.30	0.00	7856018				



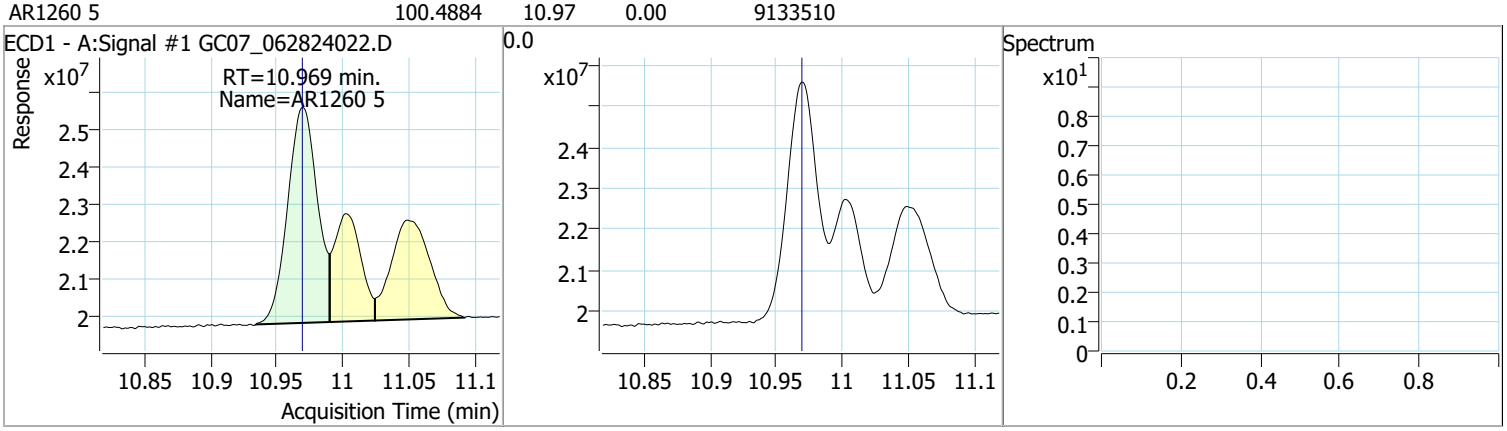
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	113.6912	10.32	0.00	3418548				



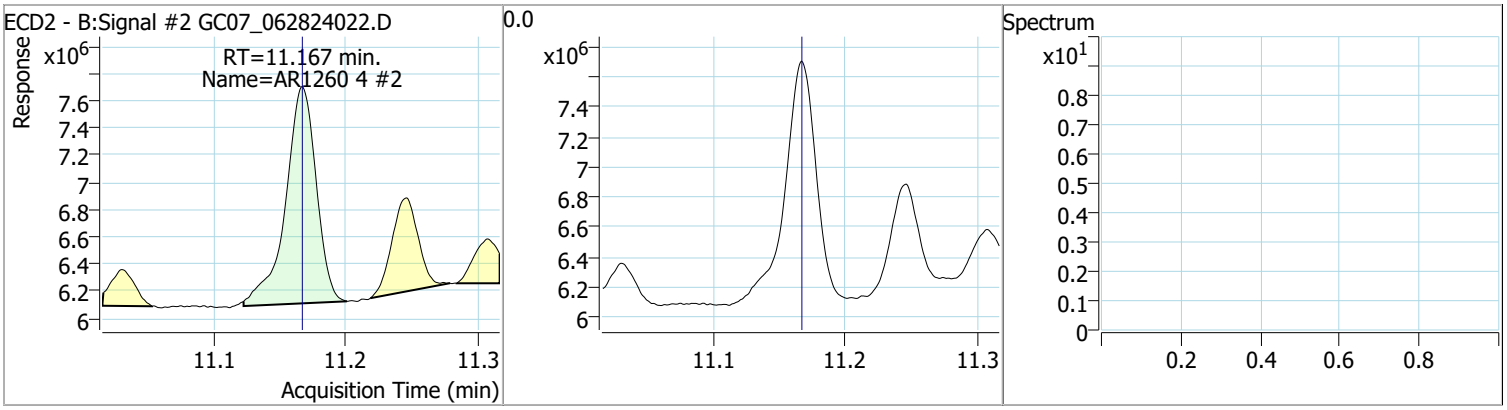
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	110.8829	10.75	0.00	4013258				



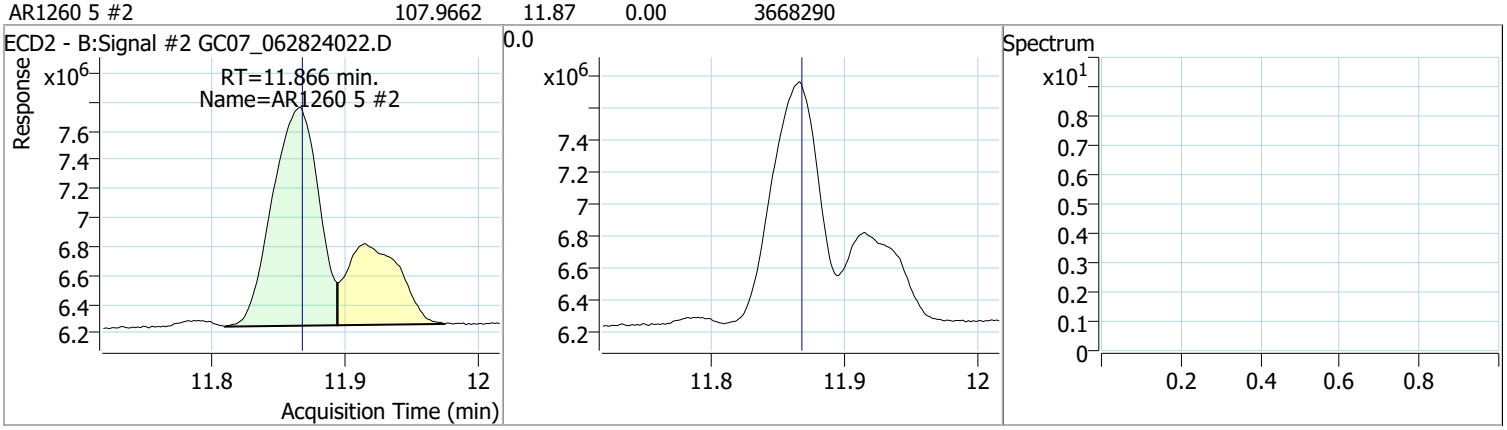
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	100.4884	10.97	0.00	9133510				



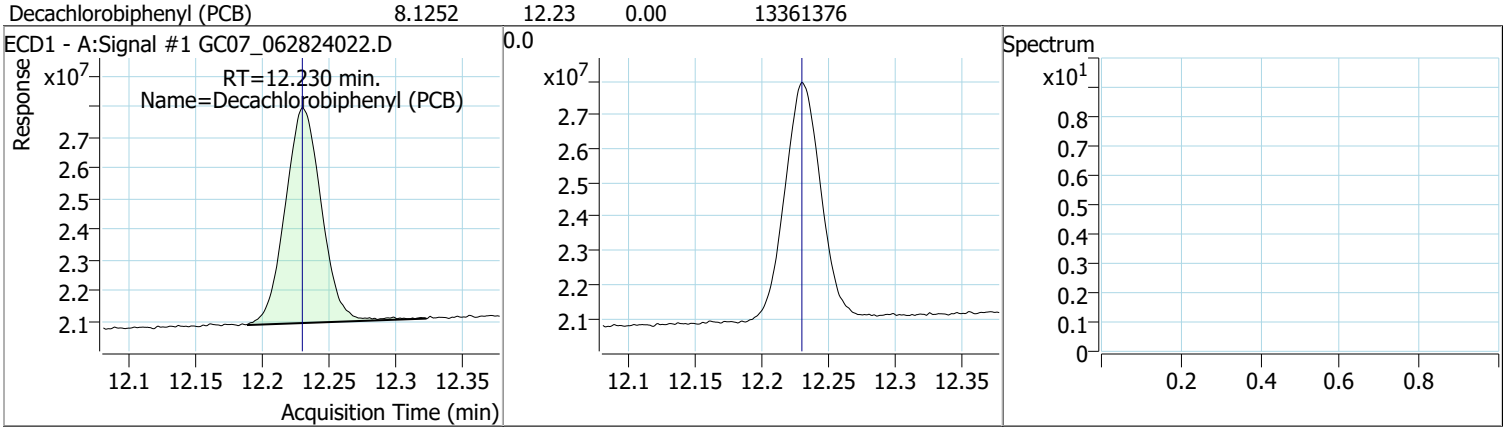
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.3837	11.17	0.00	2572032				



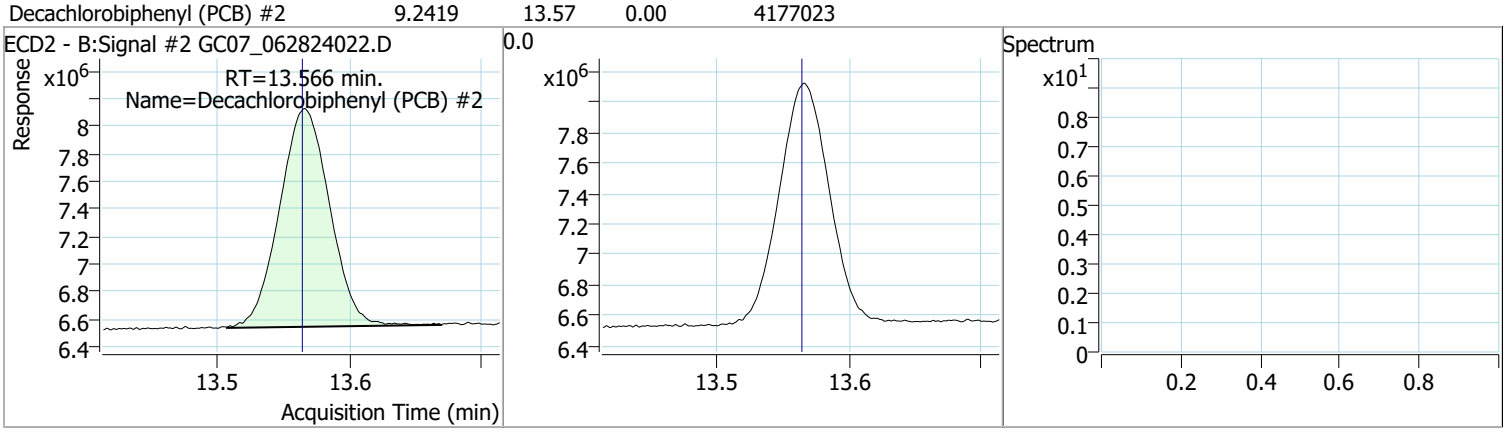
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.9662	11.87	0.00	3668290				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1252	12.23	0.00	13361376				

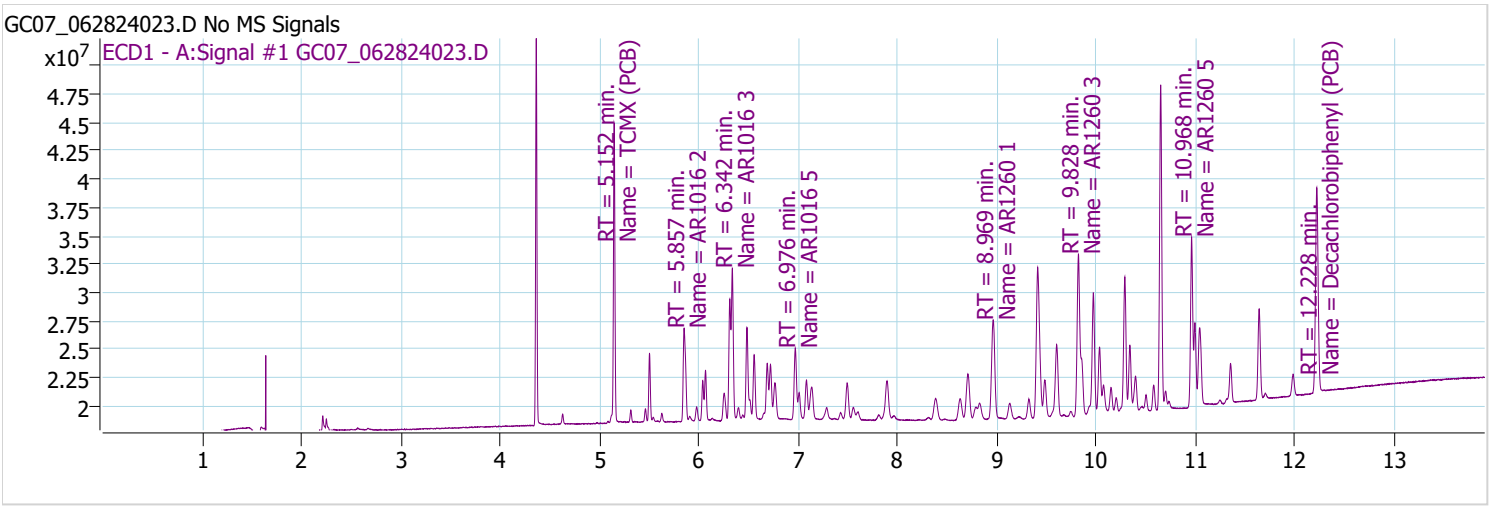


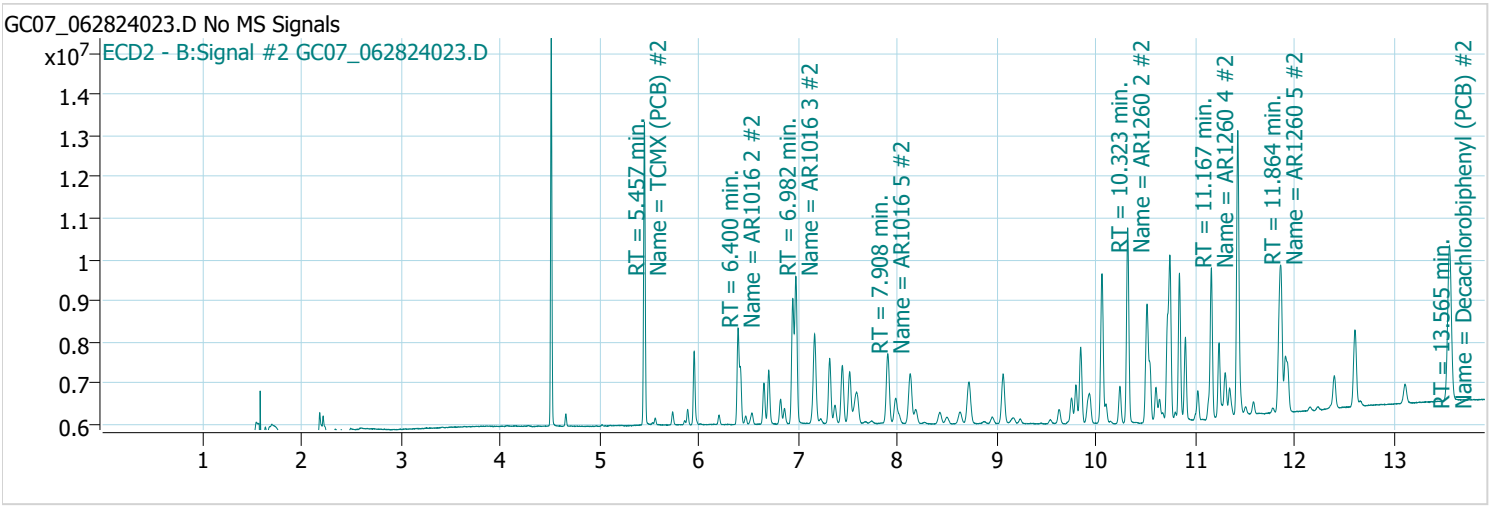
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.2419	13.57	0.00	4177023				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:56:00 PM
Sample Name	ICAL, S20886	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



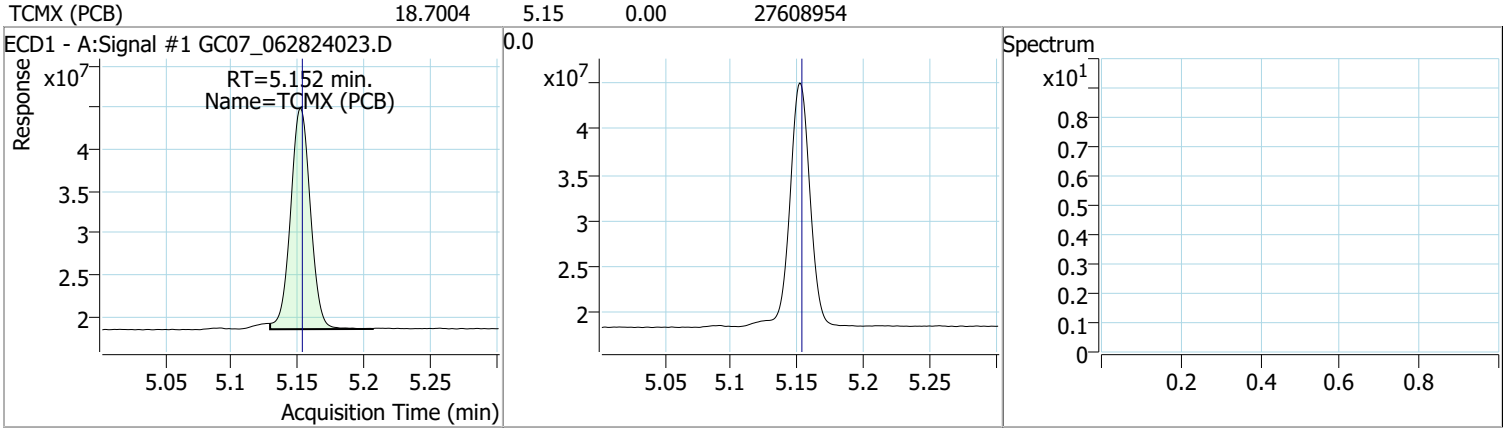


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31516744.949	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8706647.683	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.152	0.0	27608953.925	18.7004	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.50%		
S TCMX (PCB) #2	5.457	0.0	8294986.508	19.8628	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.31%		
S Decachlorobiphenyl (PCB)	12.228	0.0	33725109.800	19.4084	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.04%		
S Decachlorobiphenyl (PCB) #2	13.565	0.0	9967762.798	20.9563	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		
Target Compounds						QValue

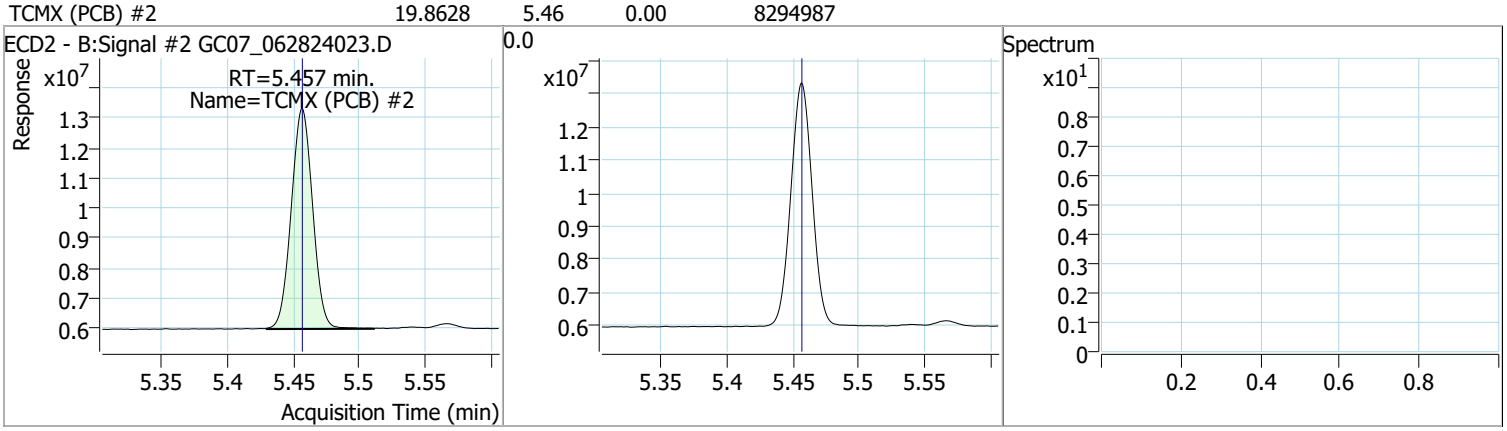
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	6712192.610	243.6488	ng/ml		100
T AR1016 2	5.857	0.0	14250498.409	249.0043	ng/ml		100
T AR1016 1 #2	5.958	0.0	2323840.604	252.7851	ng/ml		100
T AR1016 3	6.342	0.0	17918366.850	249.5585	ng/ml		100
T AR1016 2 #2	6.400	0.0	5008145.479	263.6804	ng/ml		100
T AR1016 4	6.489	0.0	11491489.665	239.9662	ng/ml	m	100
T AR1016 5	6.976	0.0	10438984.181	247.9935	ng/ml		100
T AR1016 3 #2	6.982	0.0	6112061.267	258.0191	ng/ml		100
T AR1016 4 #2	7.171	0.0	4463261.982	254.8793	ng/ml		100
T AR1016 5 #2	7.908	0.0	3656086.320	258.1464	ng/ml		100
T AR1260 1	8.969	0.0	19845618.595	235.0727	ng/ml		100
T AR1260 2	9.418	0.0	30959966.163	240.1138	ng/ml		100
T AR1260 3	9.828	0.0	33635868.400	242.4531	ng/ml	m	100
T AR1260 1 #2	10.065	0.0	6539148.105	259.6026	ng/ml		100
T AR1260 4	10.295	0.0	19650501.043	245.0021	ng/ml		100
T AR1260 2 #2	10.323	0.0	7907548.739	249.8895	ng/ml		100
T AR1260 3 #2	10.748	0.0	9518789.508	249.9024	ng/ml		100
T AR1260 5	10.968	0.0	22933282.020	238.7815	ng/ml		100
T AR1260 4 #2	11.167	0.0	6190347.735	257.0178	ng/ml		100
T AR1260 5 #2	11.864	0.0	8834908.385	247.0855	ng/ml		100

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

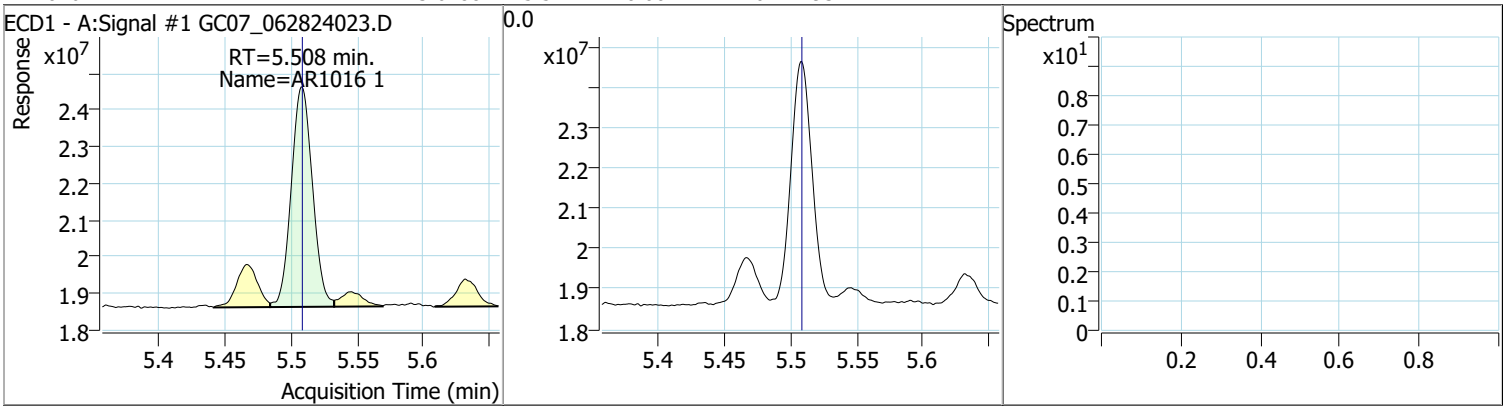
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7004	5.15	0.00	27608954				



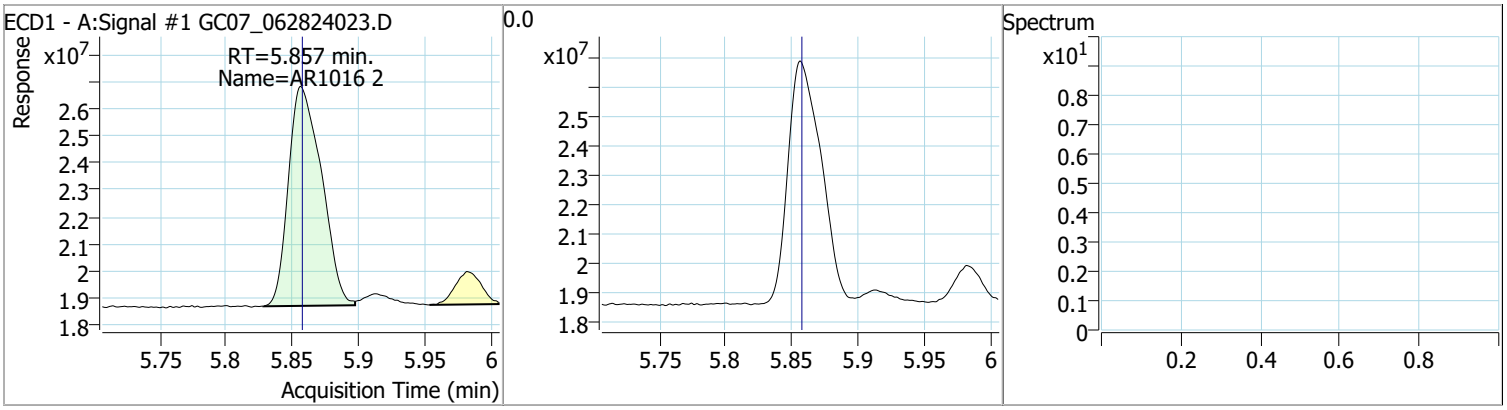
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TCMX (PCB) #2	19.8628	5.46	0.00	8294987				



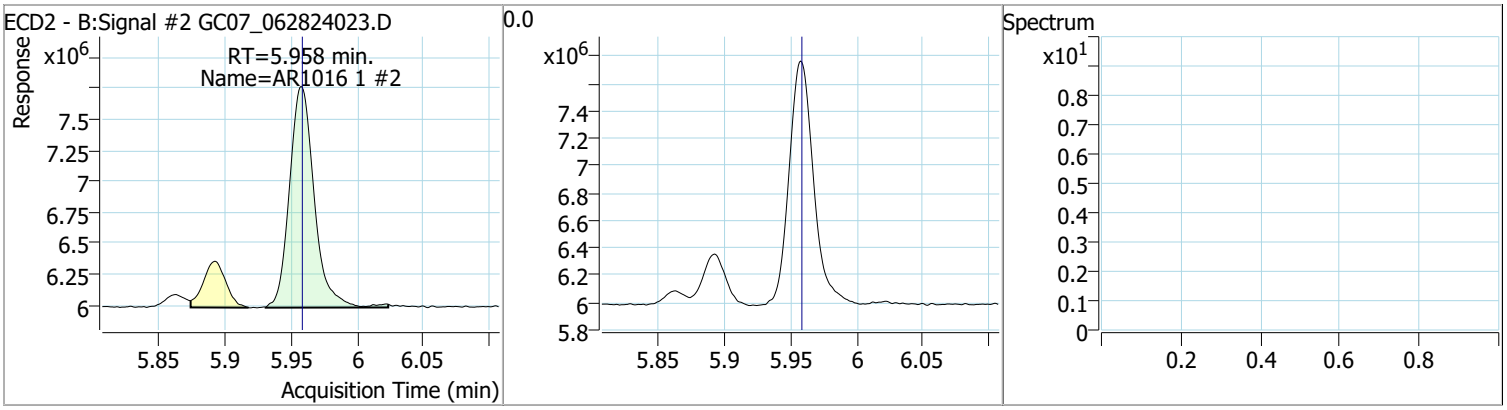
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	243.6488	5.51	0.00	6712193				



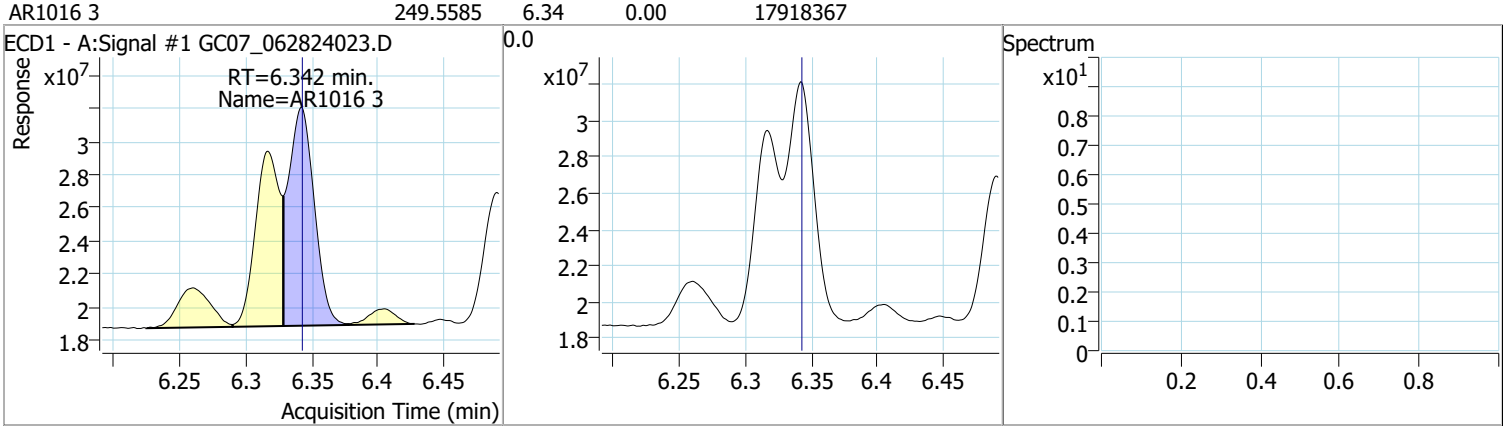
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	249.0043	5.86	0.00	14250498				



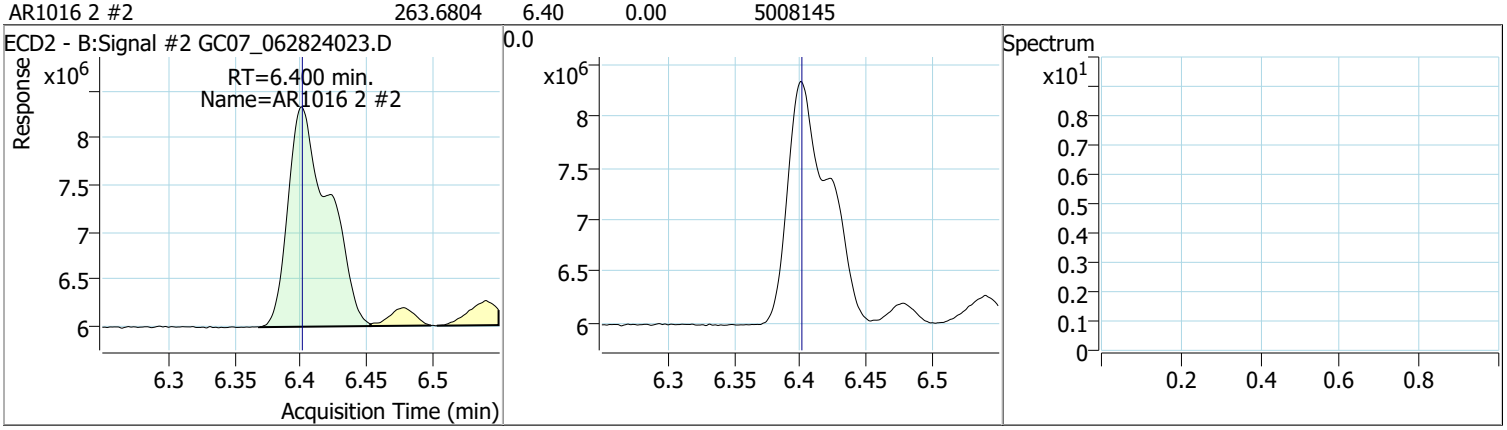
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AR1016 1 #2	252.7851	5.96	0.00	2323841				



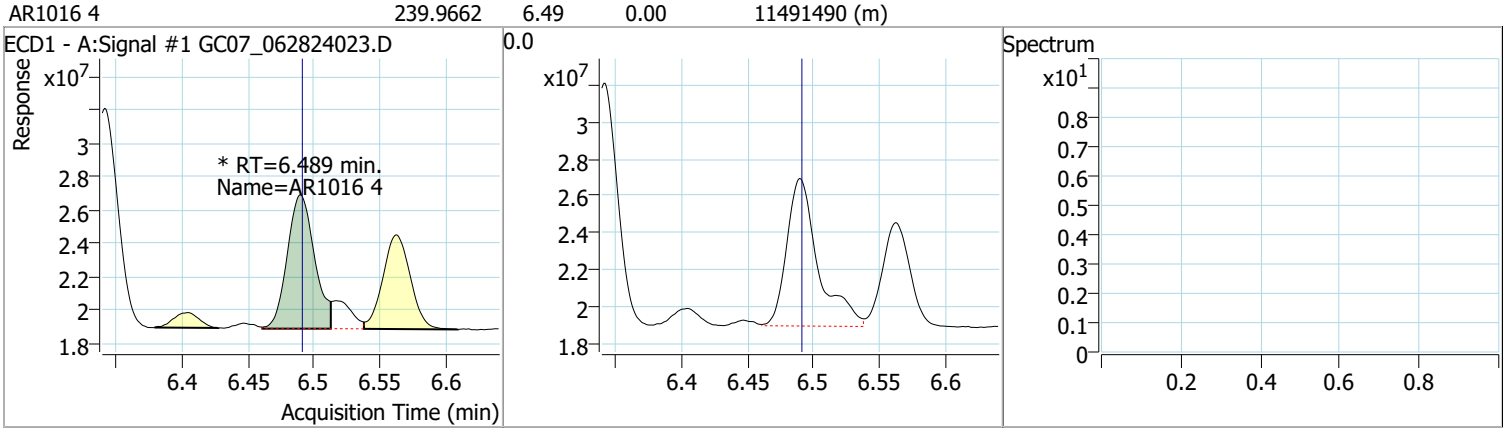
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	249.5585	6.34	0.00	17918367				



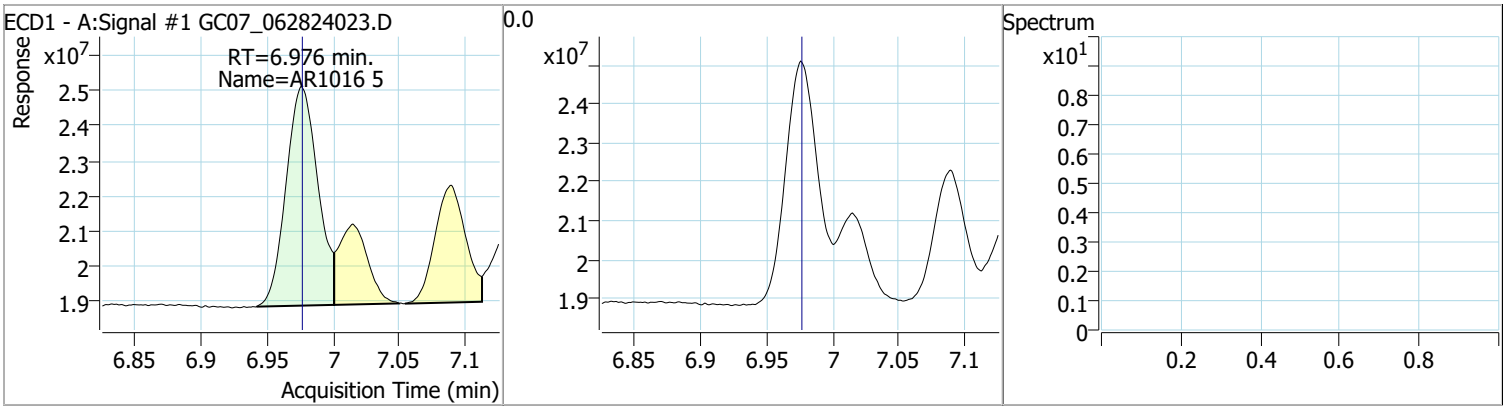
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	263.6804	6.40	0.00	5008145				



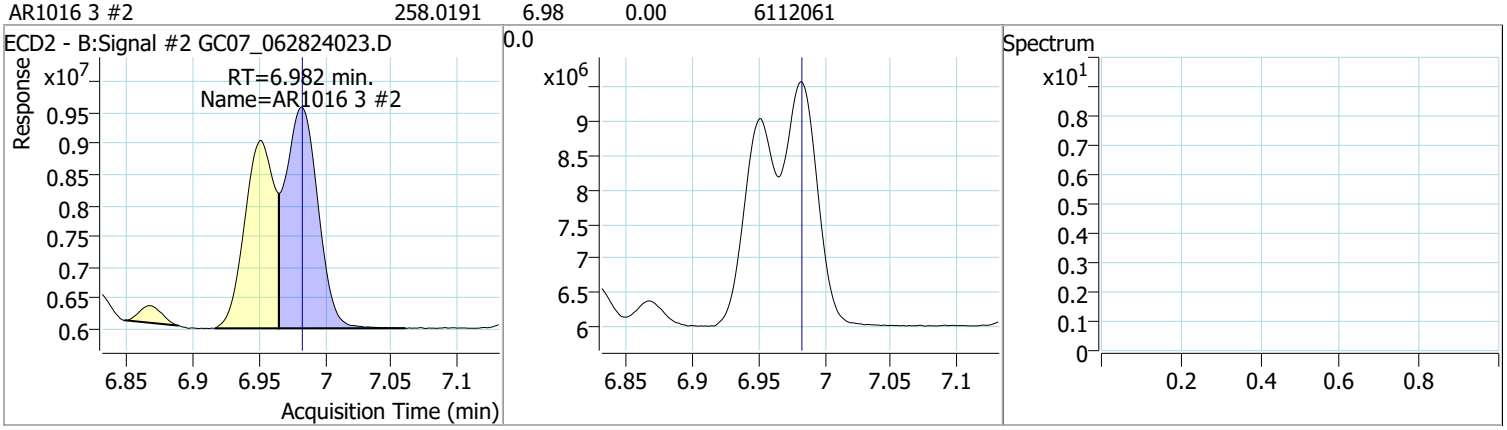
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	239.9662	6.49	0.00	11491490 (m)				



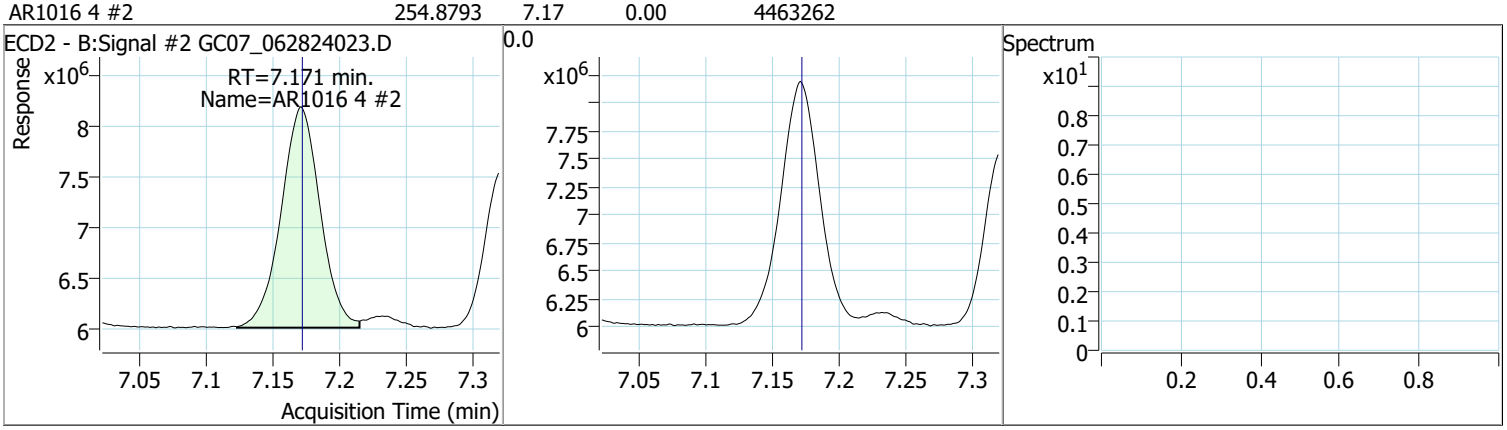
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	247.9935	6.98	0.00	10438984				



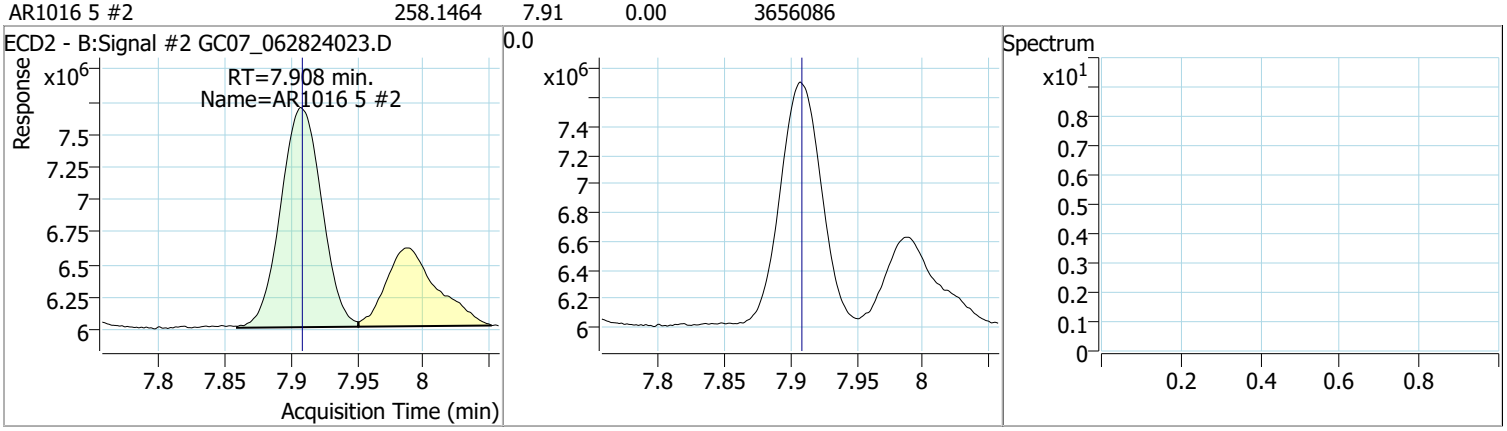
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	258.0191	6.98	0.00	6112061				



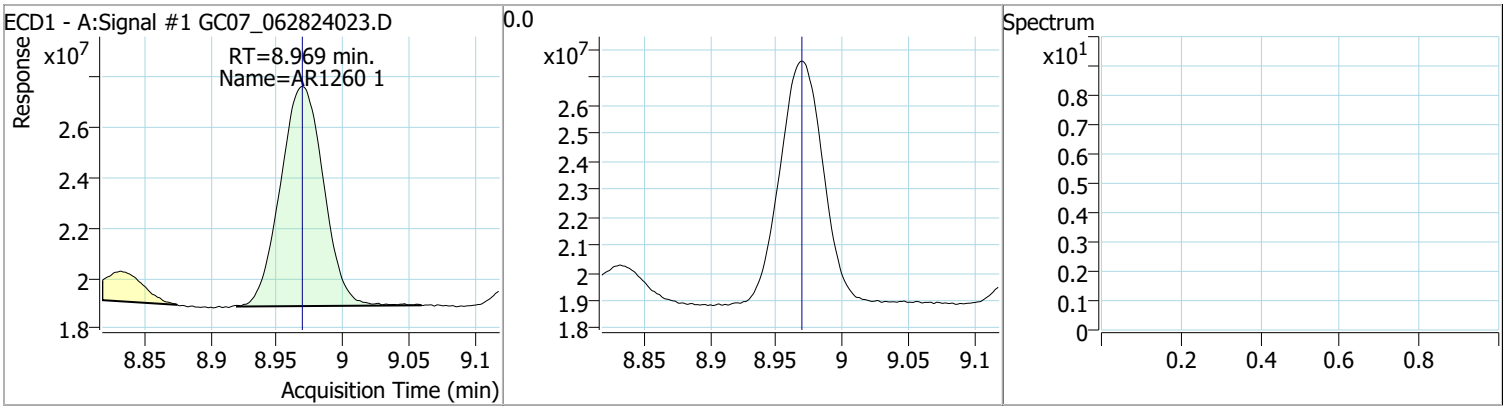
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	254.8793	7.17	0.00	4463262				



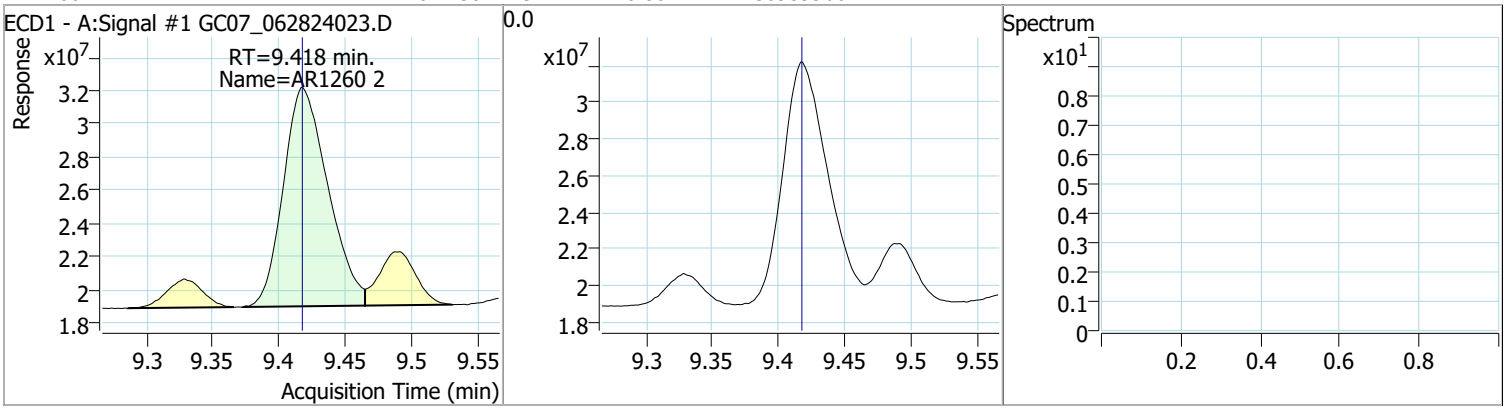
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AR1016 5 #2	258.1464	7.91	0.00	3656086				



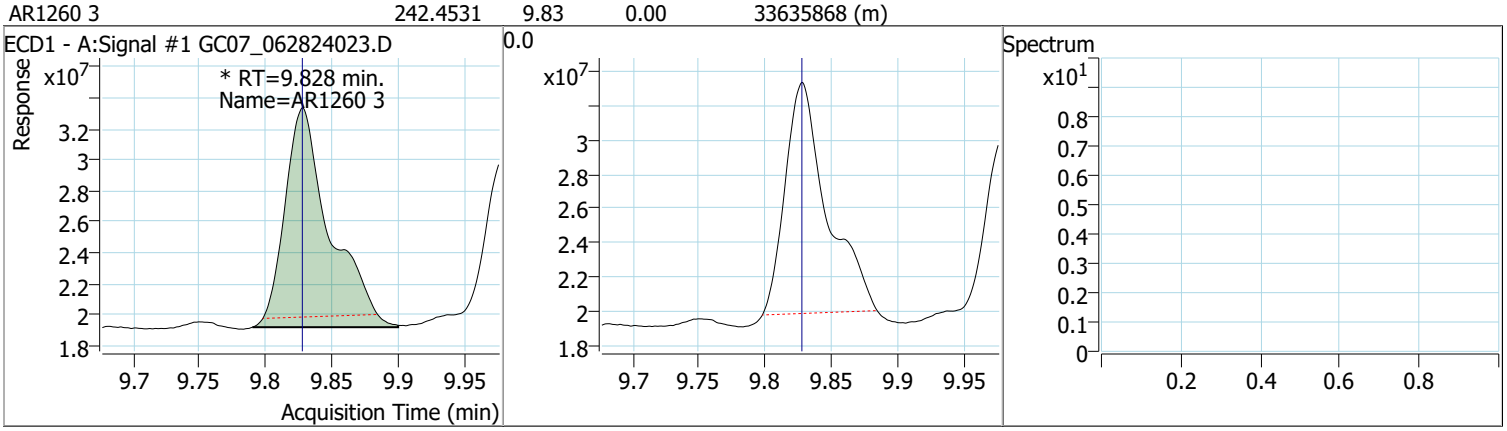
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0727	8.97	0.00	19845619				



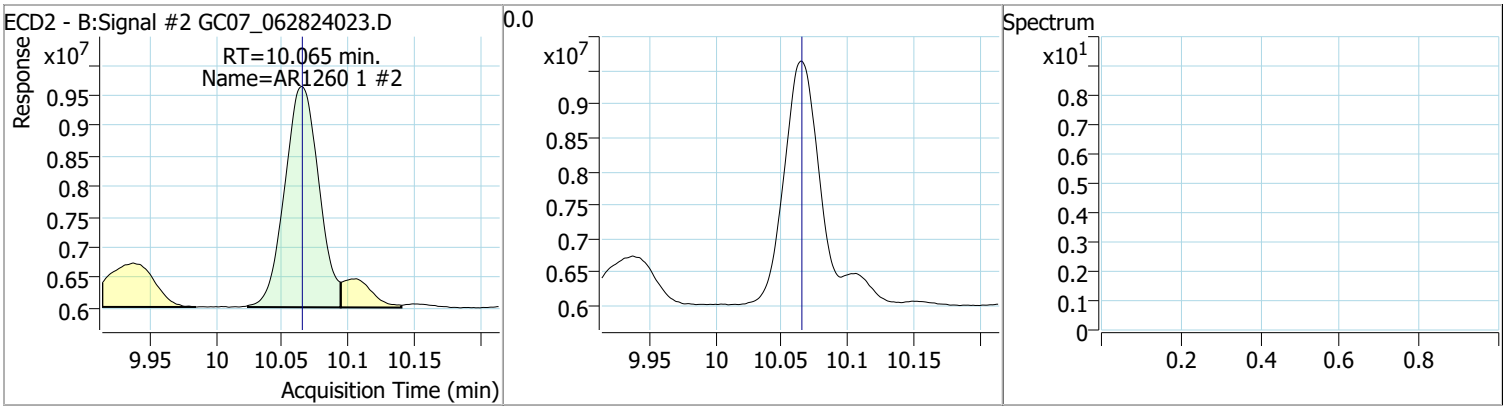
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	240.1138	9.42	0.00	30959966				



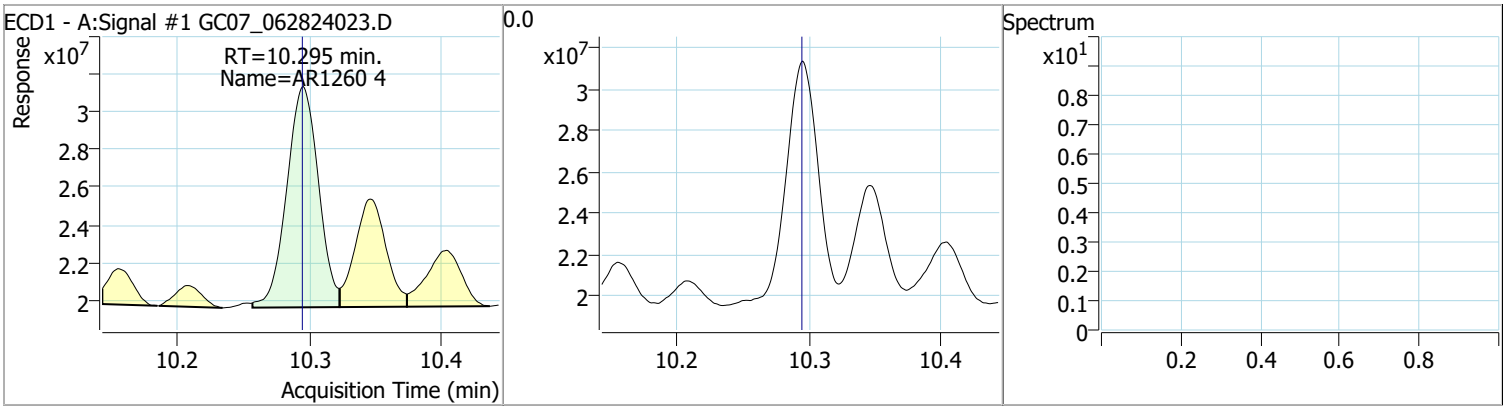
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	242.4531	9.83	0.00	33635868 (m)				



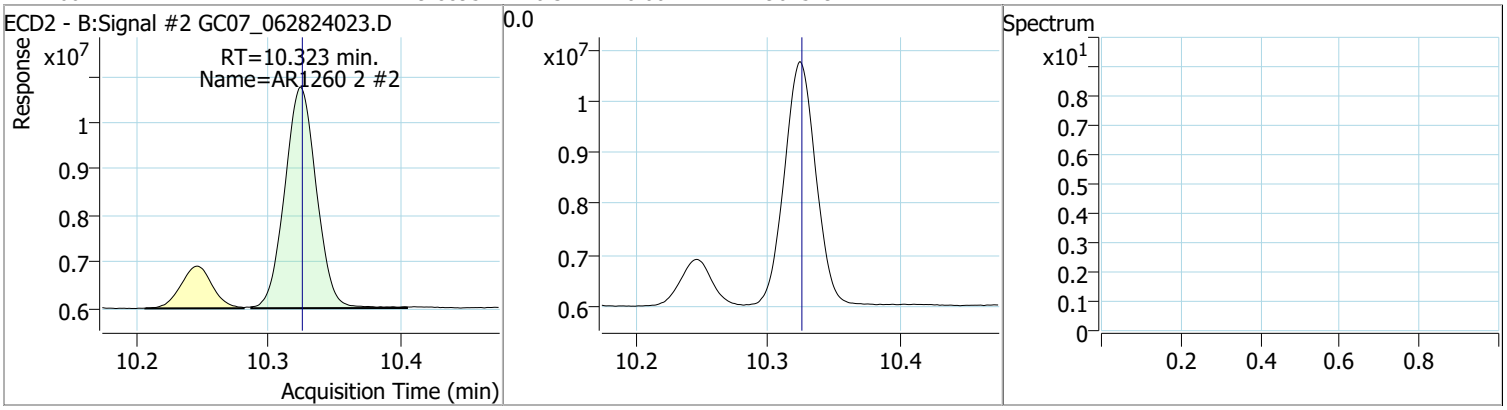
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	259.6026	10.07	0.00	6539148				



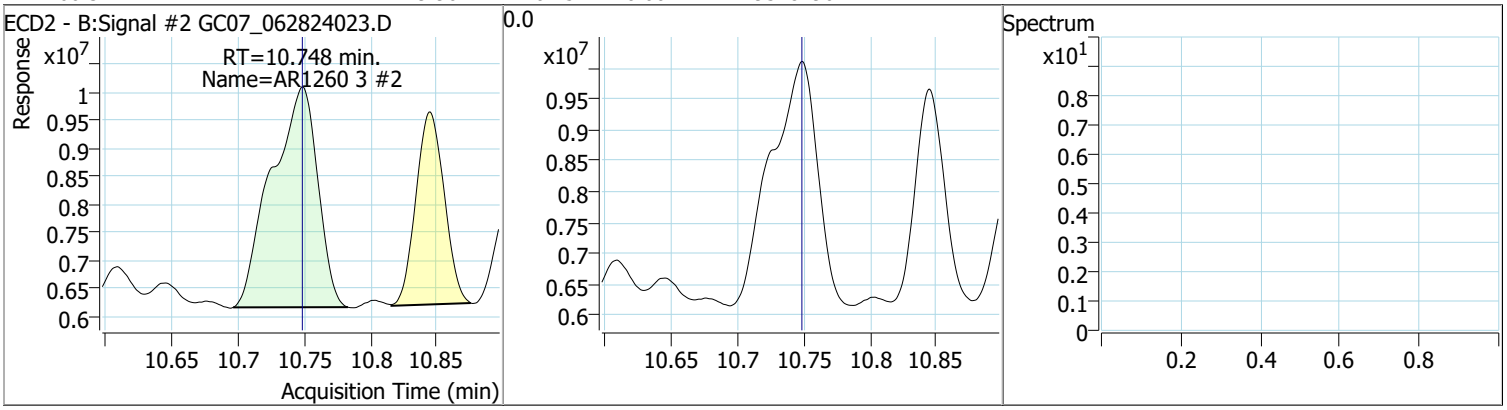
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	245.0021	10.30	0.00	19650501				



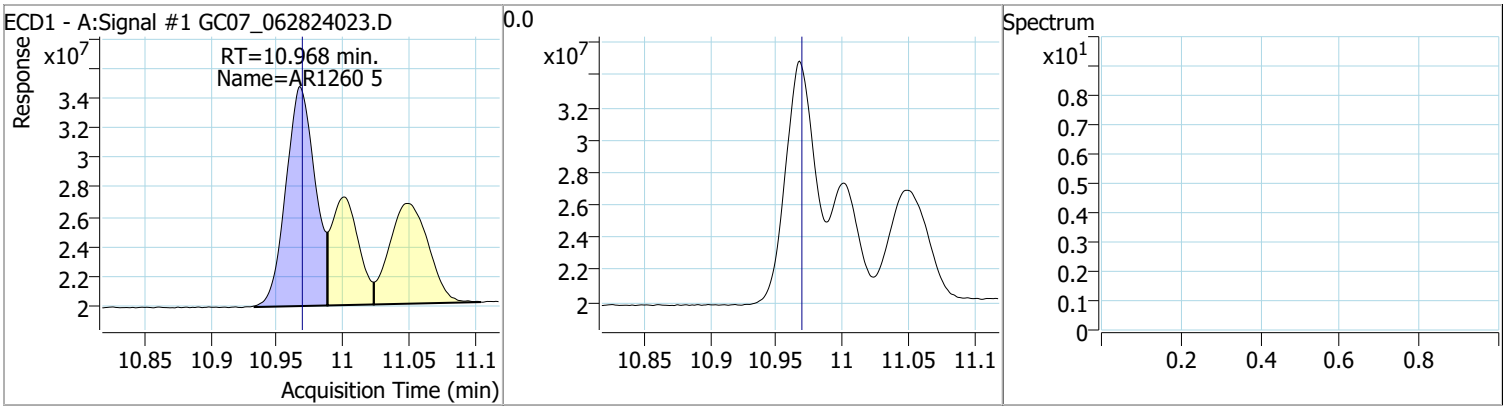
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	249.8895	10.32	0.00	7907549				



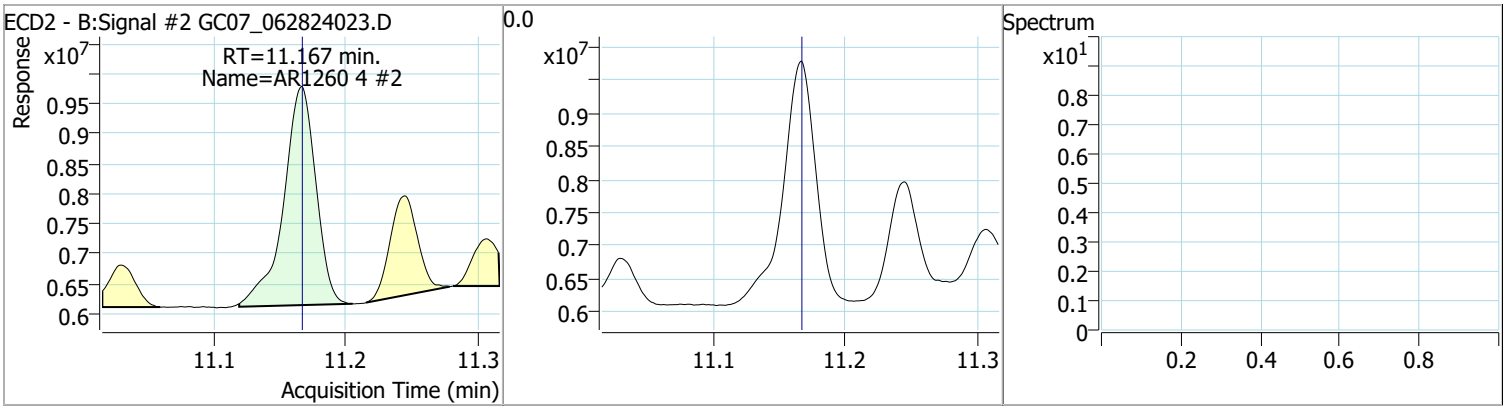
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	249.9024	10.75	0.00	9518790				



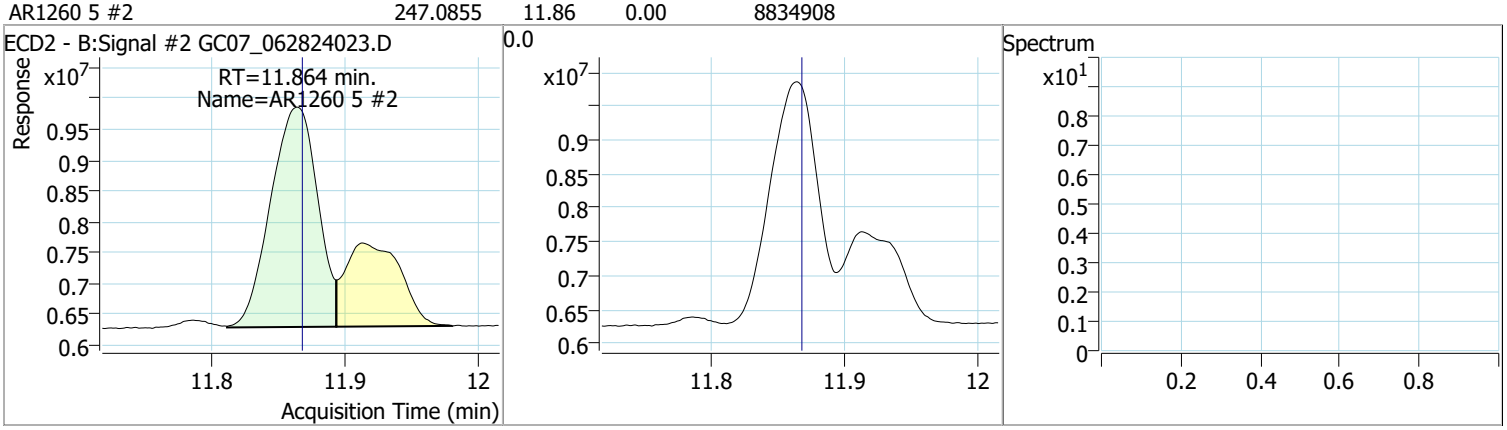
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	238.7815	10.97	0.00	22933282				



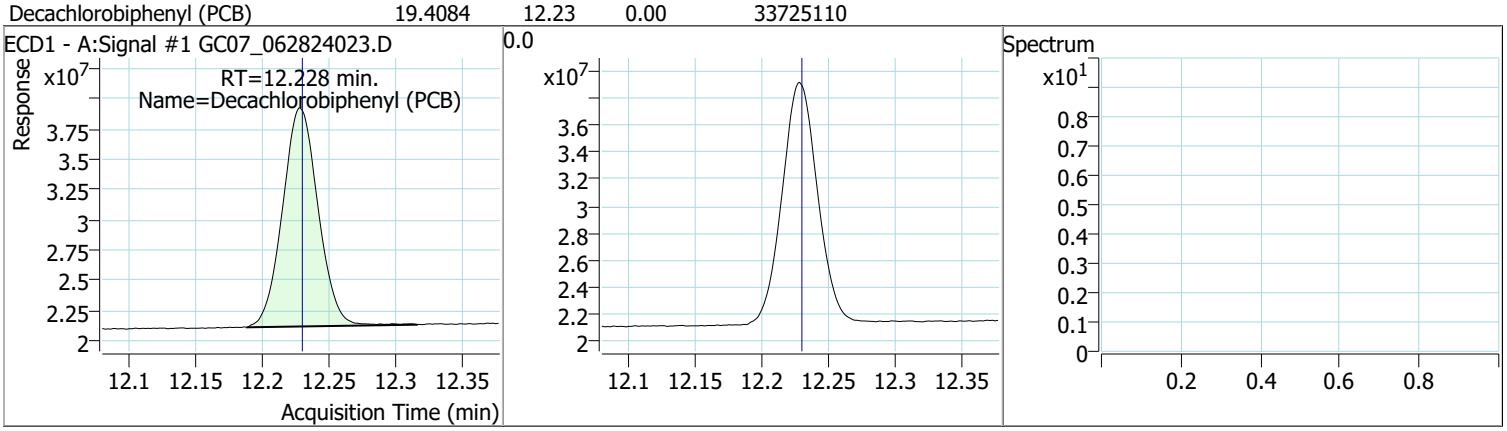
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	257.0178	11.17	0.00	6190348				



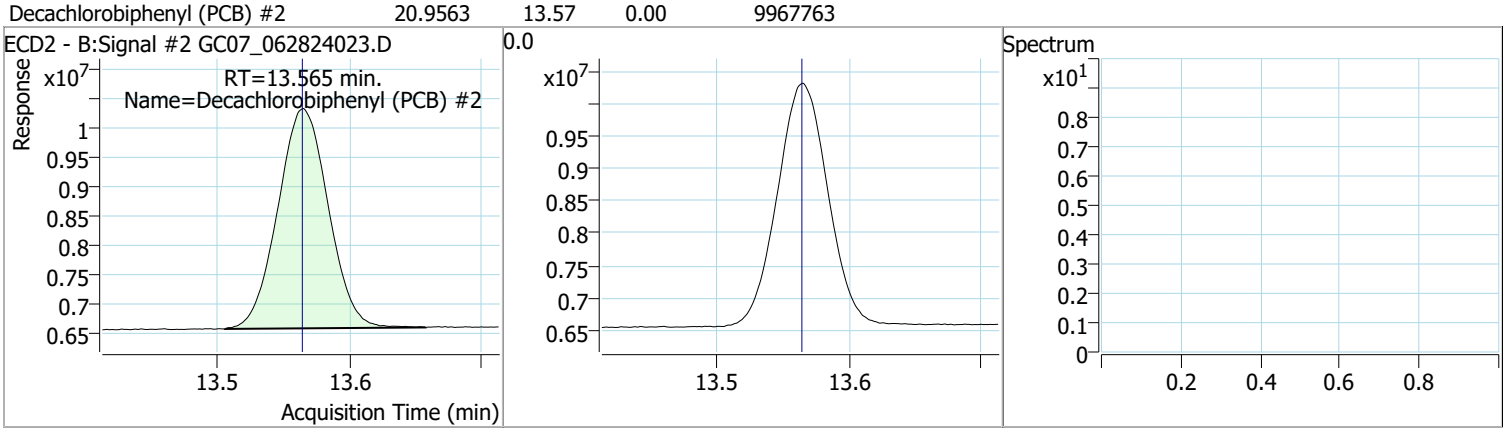
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	247.0855	11.86	0.00	8834908				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4084	12.23	0.00	33725110				

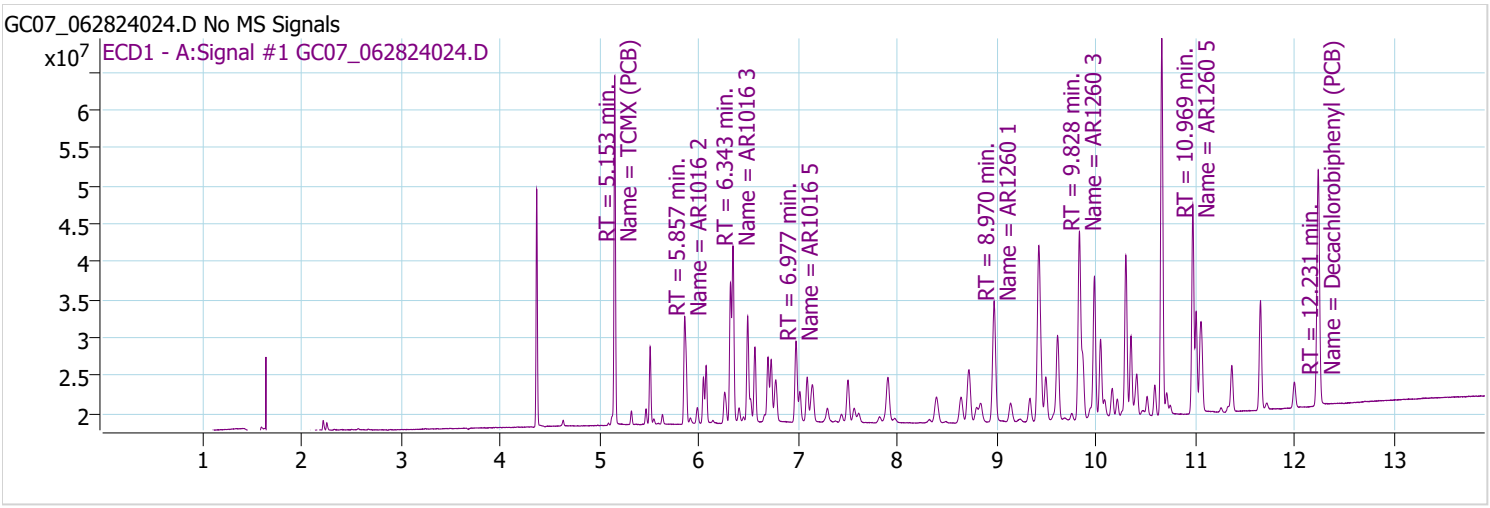


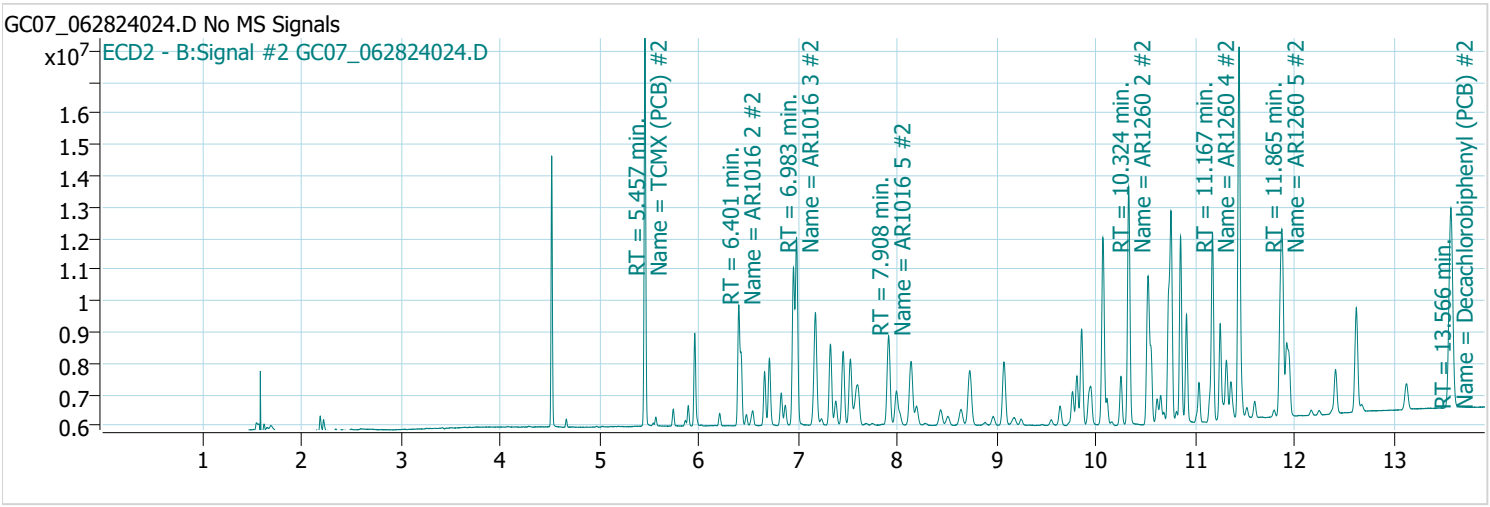
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9563	13.57	0.00	9967763				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:13:27 PM
Sample Name	ICAL, S20887	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



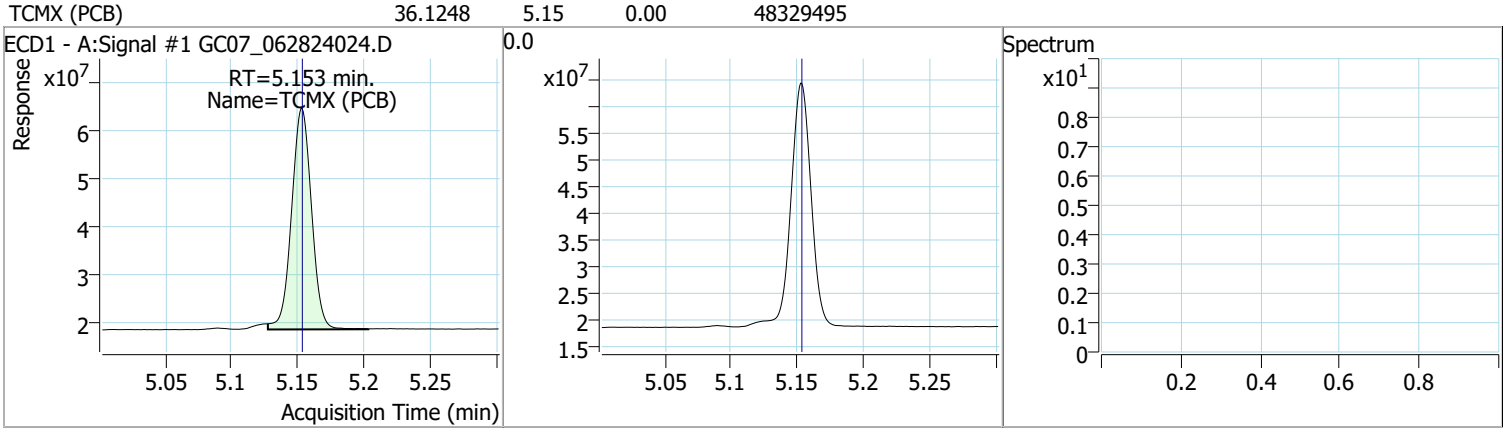


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28559390.830	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8178446.735	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	48329494.591	36.1248	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.62%		*	
S TCMX (PCB) #2	5.457	0.0	14145725.048	36.0604	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.30%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	59871129.047	38.0230	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.12%		*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	17397856.564	38.9397	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%		*	
Target Compounds							QValue

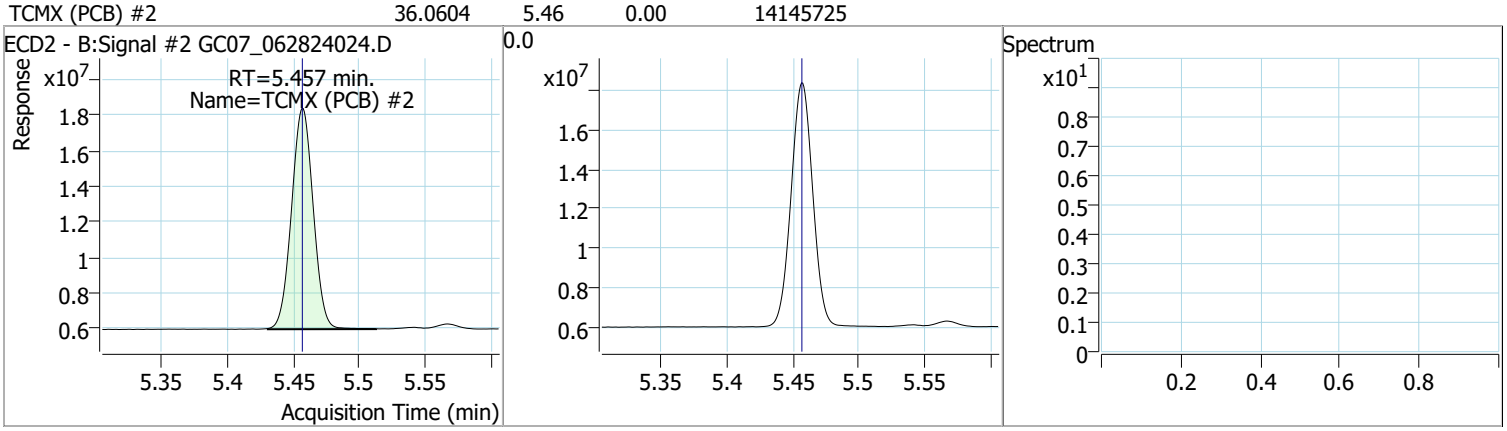
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.509	0.0	11456349.124	458.9217	ng/ml		100
T AR1016 2	5.857	0.0	24370875.013	469.9378	ng/ml		100
T AR1016 1 #2	5.958	0.0	3894646.511	451.0175	ng/ml		100
T AR1016 3	6.343	0.0	31510228.277	484.3037	ng/ml		100
T AR1016 2 #2	6.401	0.0	8436943.174	472.8965	ng/ml		100
T AR1016 4	6.491	0.0	20171592.797	464.8430	ng/ml	m	100
T AR1016 5	6.977	0.0	17790602.632	466.4070	ng/ml		100
T AR1016 3 #2	6.983	0.0	10321710.674	463.8696	ng/ml		100
T AR1016 4 #2	7.172	0.0	7517043.584	456.9929	ng/ml		100
T AR1016 5 #2	7.908	0.0	6164598.652	463.3771	ng/ml		100
T AR1260 1	8.970	0.0	34968974.138	457.1017	ng/ml		100
T AR1260 2	9.420	0.0	54467793.982	466.1748	ng/ml		100
T AR1260 3	9.828	0.0	59512614.700	473.3981	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	10972294.321	463.7303	ng/ml		100
T AR1260 4	10.295	0.0	35258109.221	485.1182	ng/ml		100
T AR1260 2 #2	10.324	0.0	13186955.089	443.6401	ng/ml		100
T AR1260 3 #2	10.749	0.0	16208572.825	453.0160	ng/ml		100
T AR1260 5	10.969	0.0	41681149.473	478.9239	ng/ml		100
T AR1260 4 #2	11.167	0.0	10585125.258	467.8691	ng/ml		100
T AR1260 5 #2	11.865	0.0	15343499.870	456.8250	ng/ml		100

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

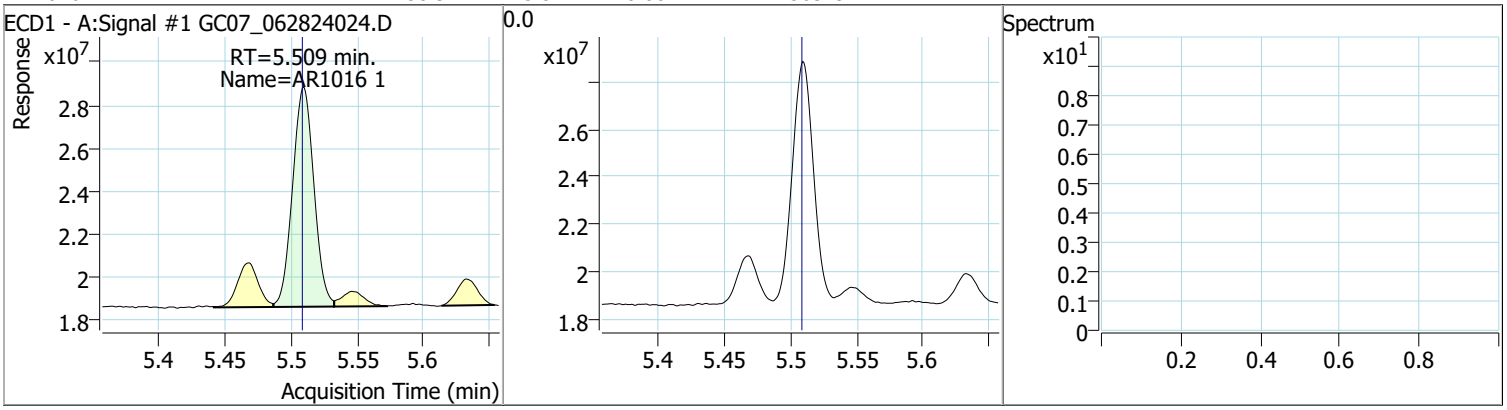
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1248	5.15	0.00	48329495				



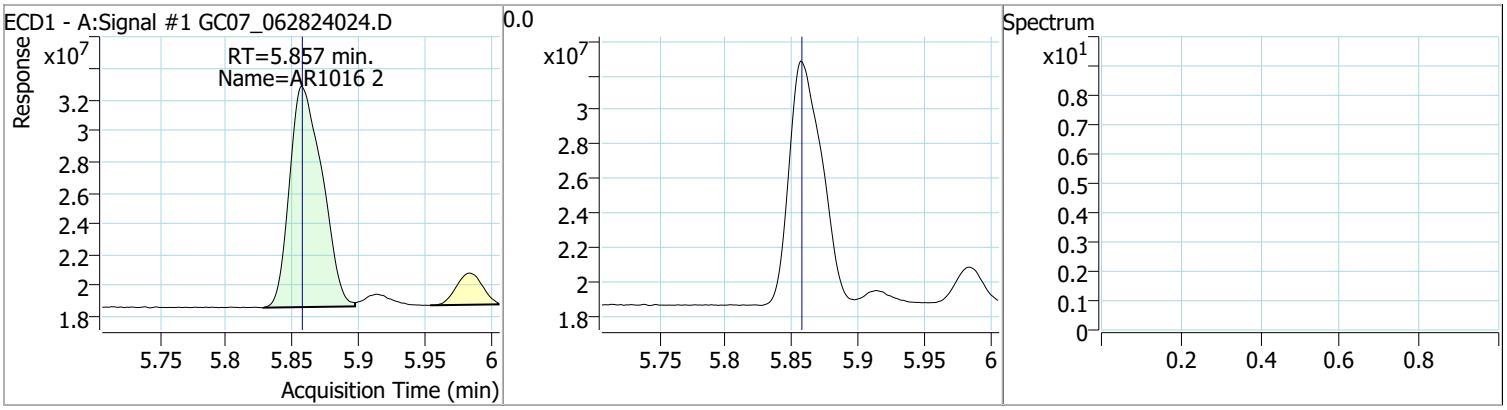
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0604	5.46	0.00	14145725				



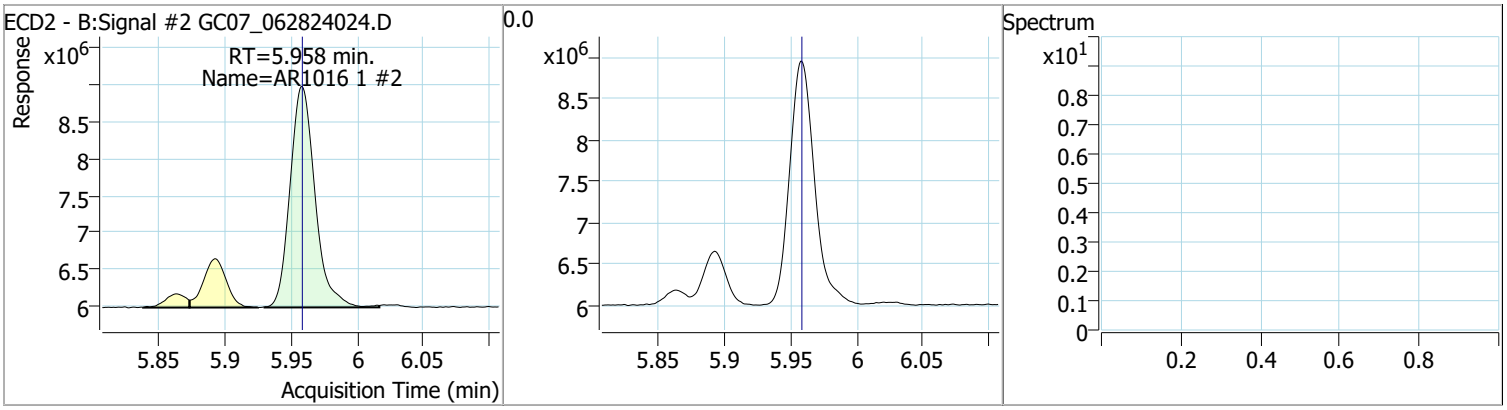
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.9217	5.51	0.00	11456349				



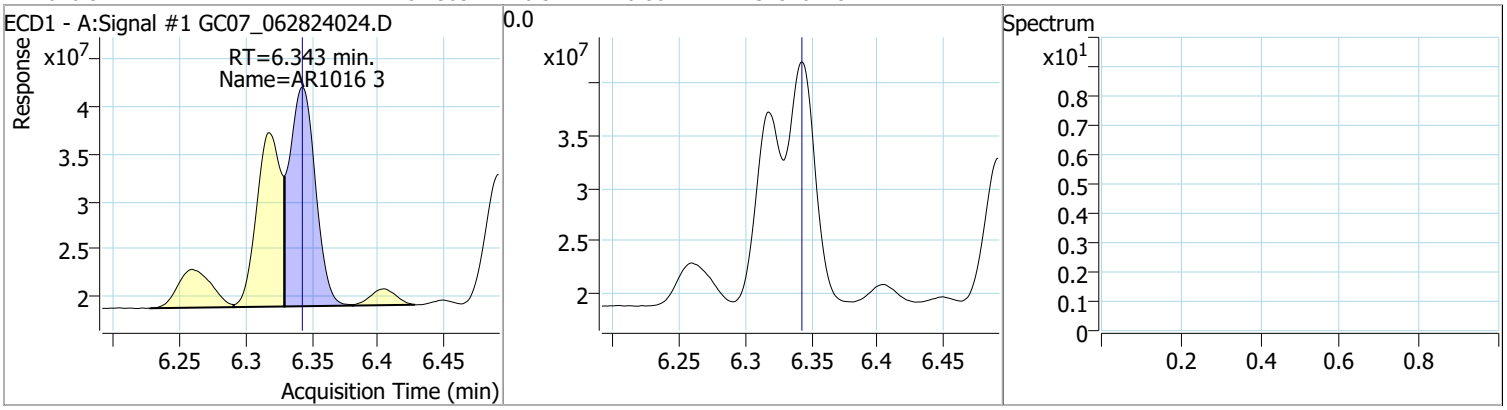
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	469.9378	5.86	0.00	24370875				



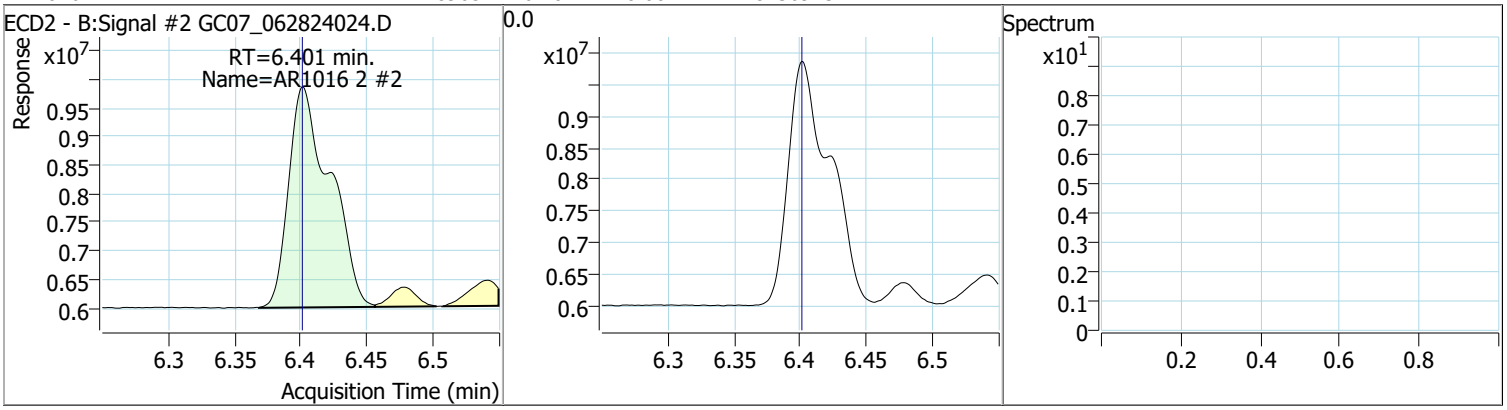
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.0175	5.96	0.00	3894647				



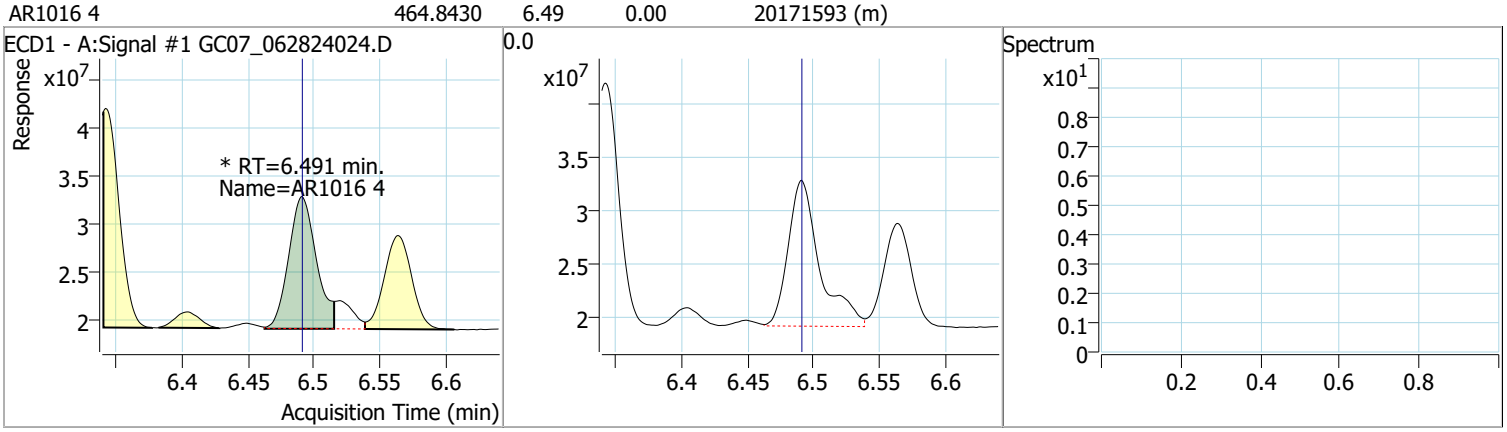
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	484.3037	6.34	0.00	31510228				



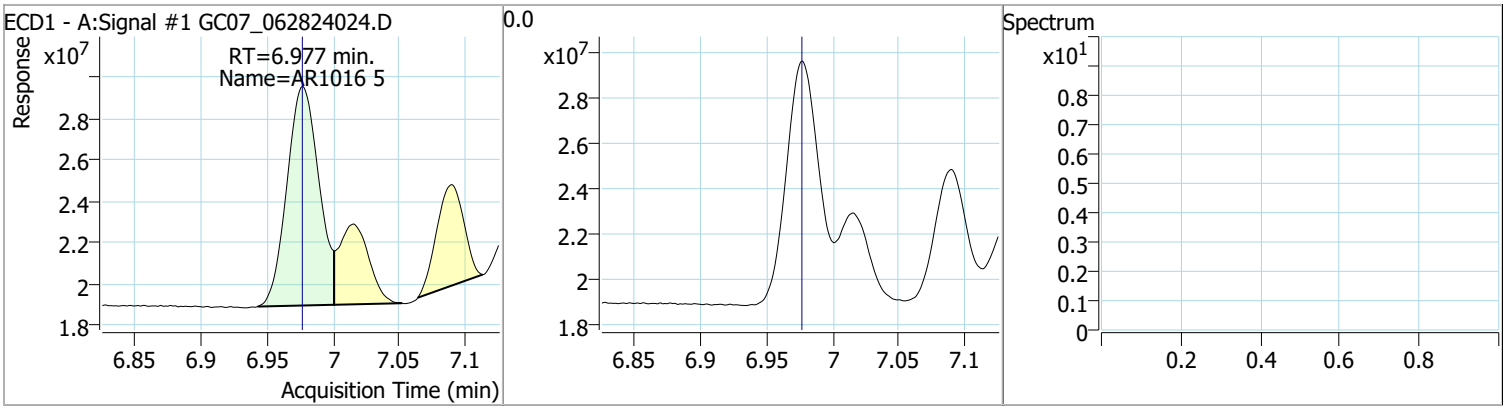
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8965	6.40	0.00	8436943				



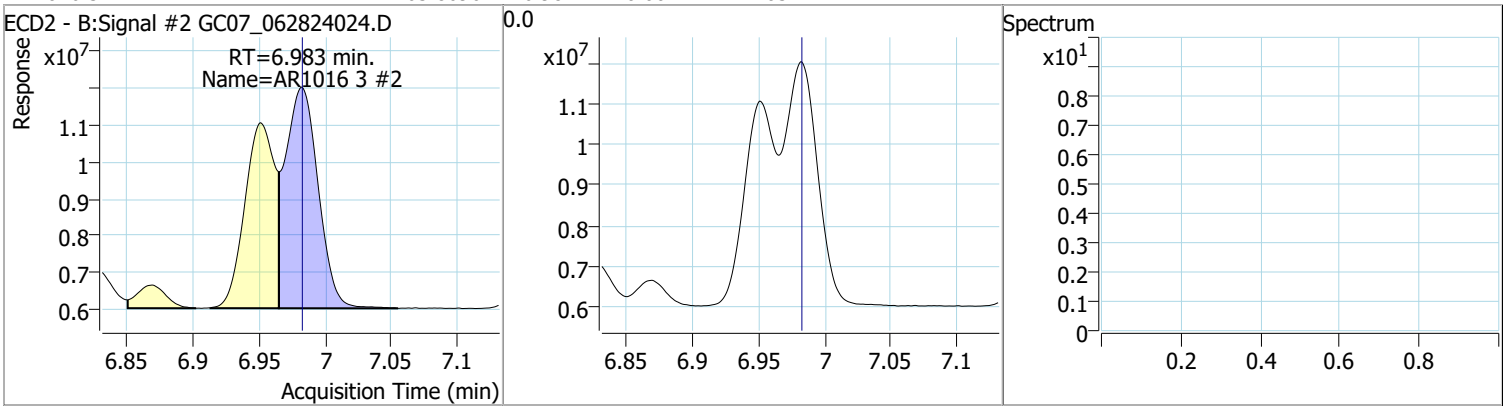
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.8430	6.49	0.00	20171593 (m)				



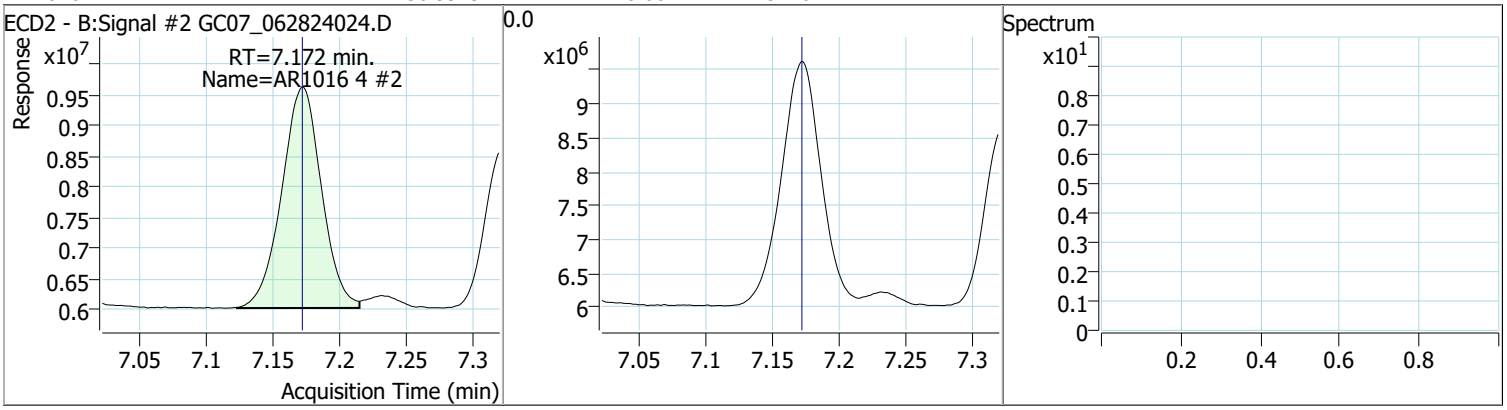
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	466.4070	6.98	0.00	17790603				



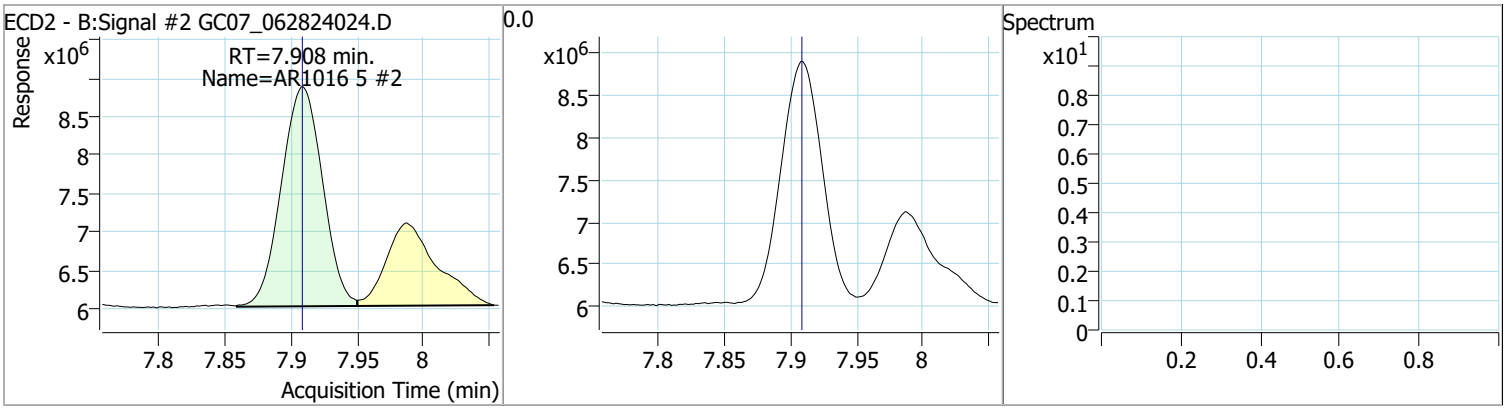
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	463.8696	6.98	0.00	10321711				



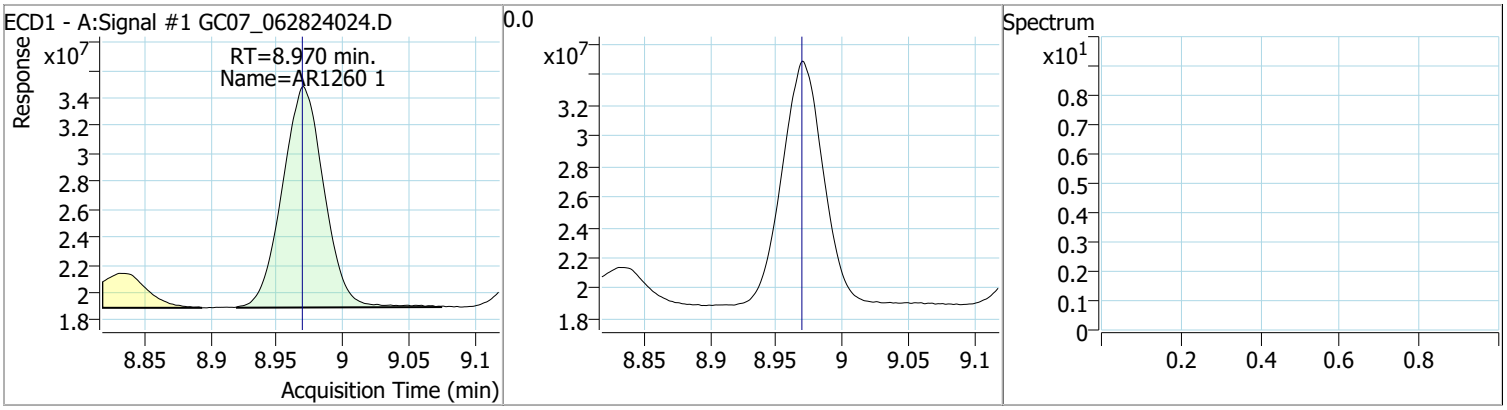
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	456.9929	7.17	0.00	7517044				



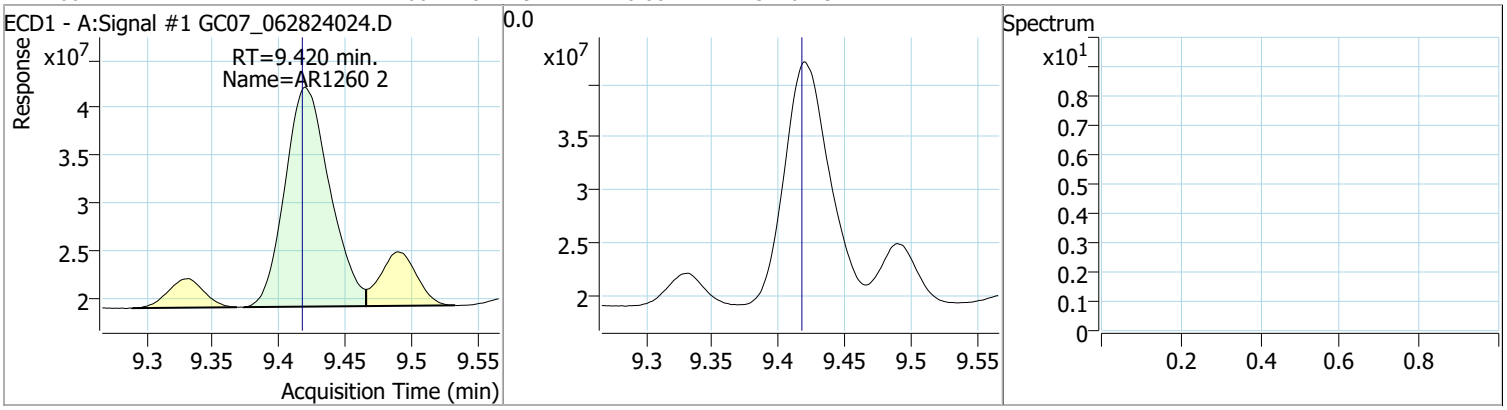
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	463.3771	7.91	0.00	6164599				



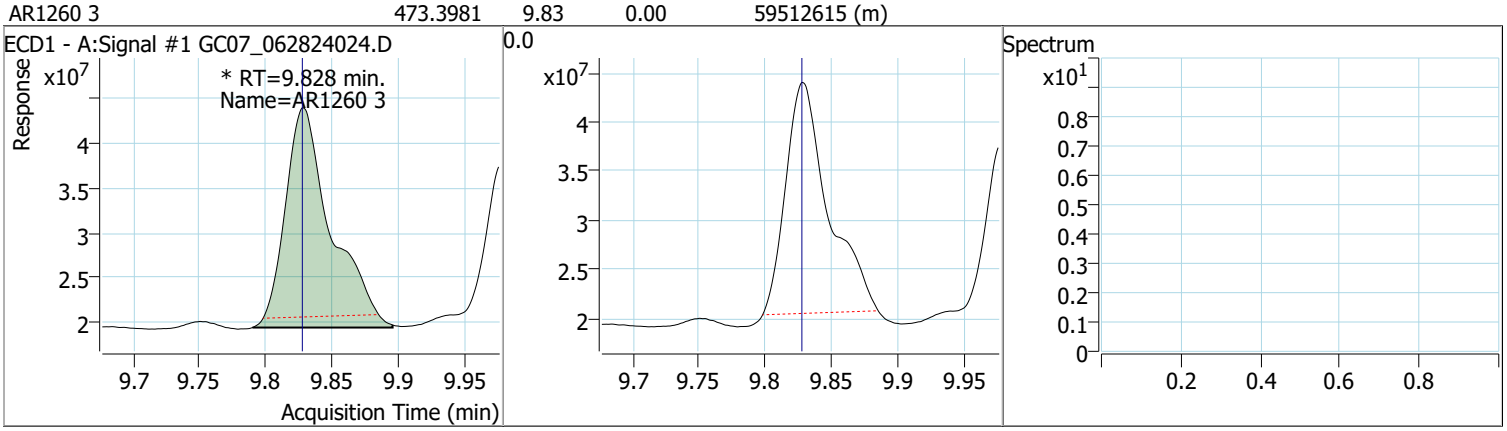
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.1017	8.97	0.00	34968974				



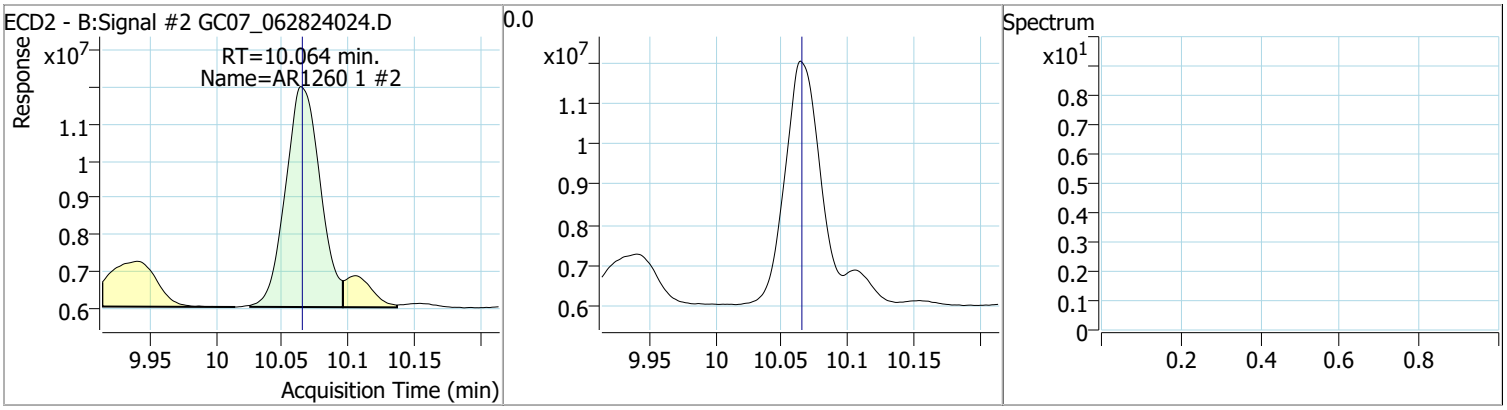
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	466.1748	9.42	0.00	54467794				



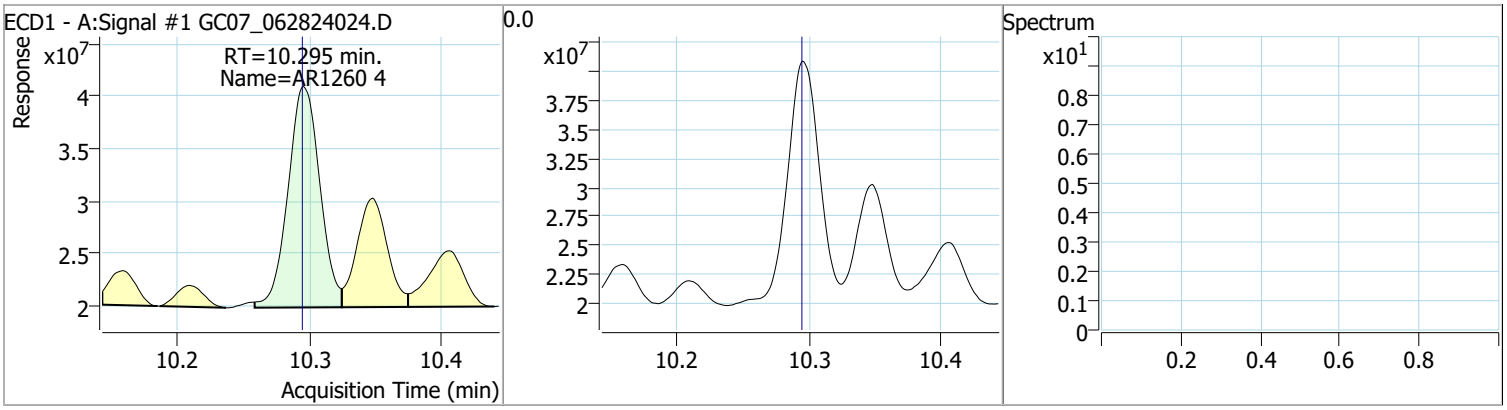
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	473.3981	9.83	0.00	59512615 (m)				



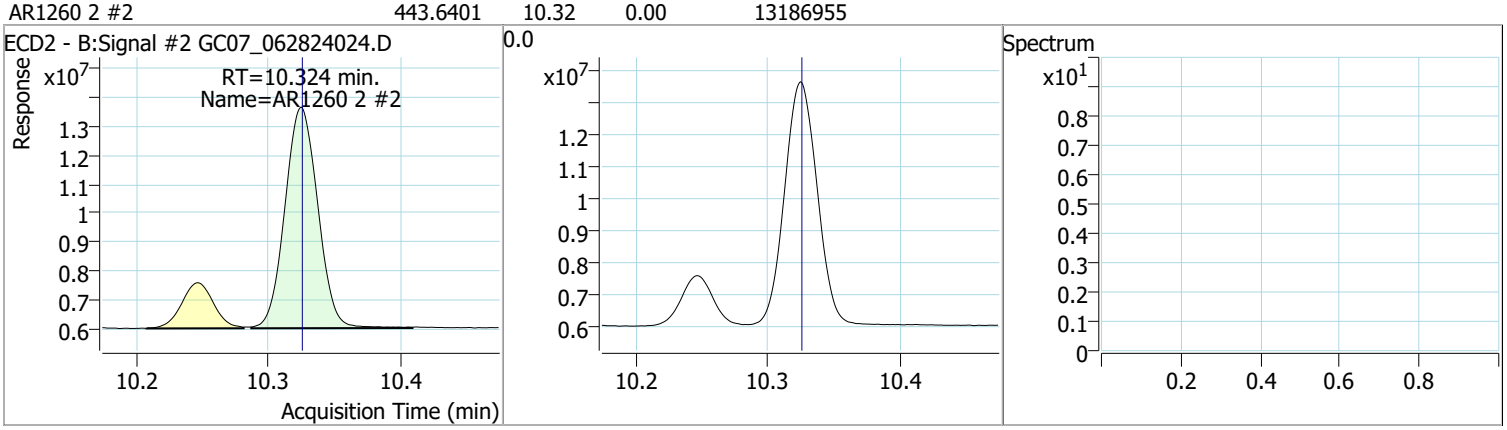
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	463.7303	10.06	0.00	10972294				



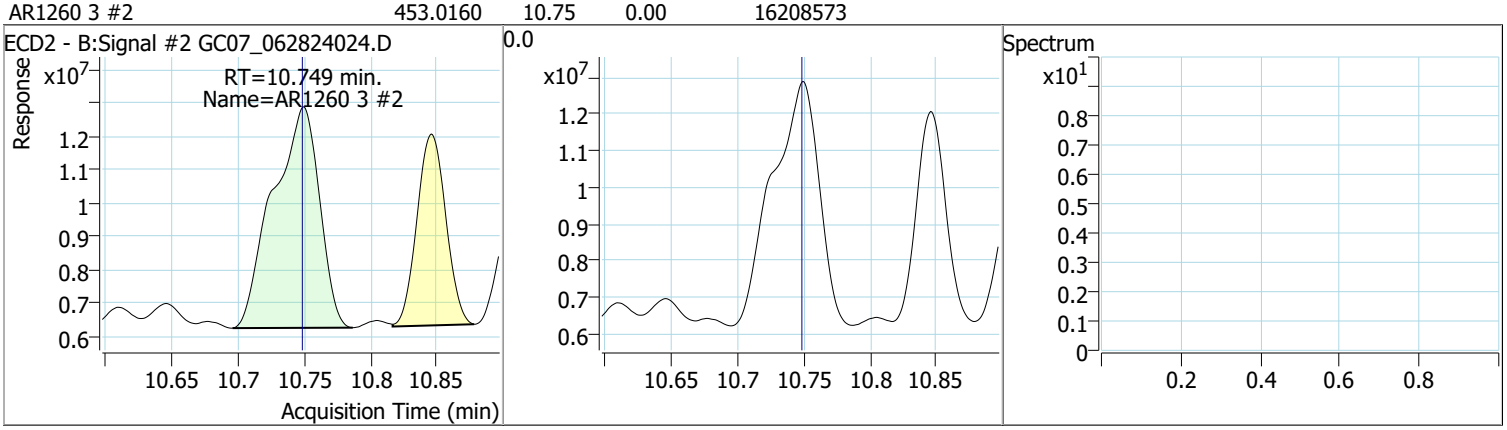
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	485.1182	10.30	0.00	35258109				



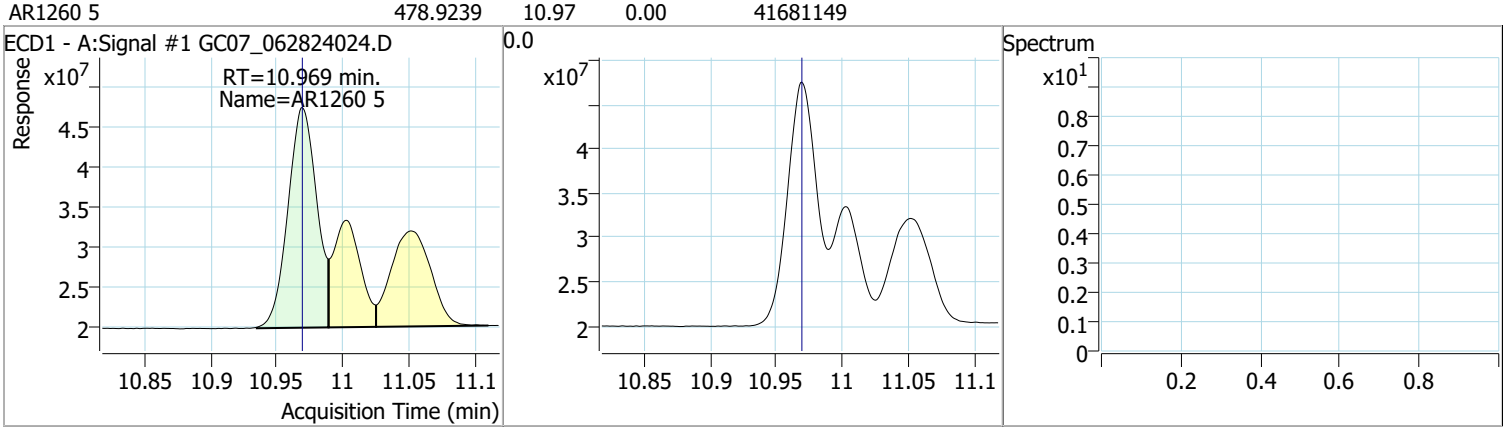
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	443.6401	10.32	0.00	13186955				



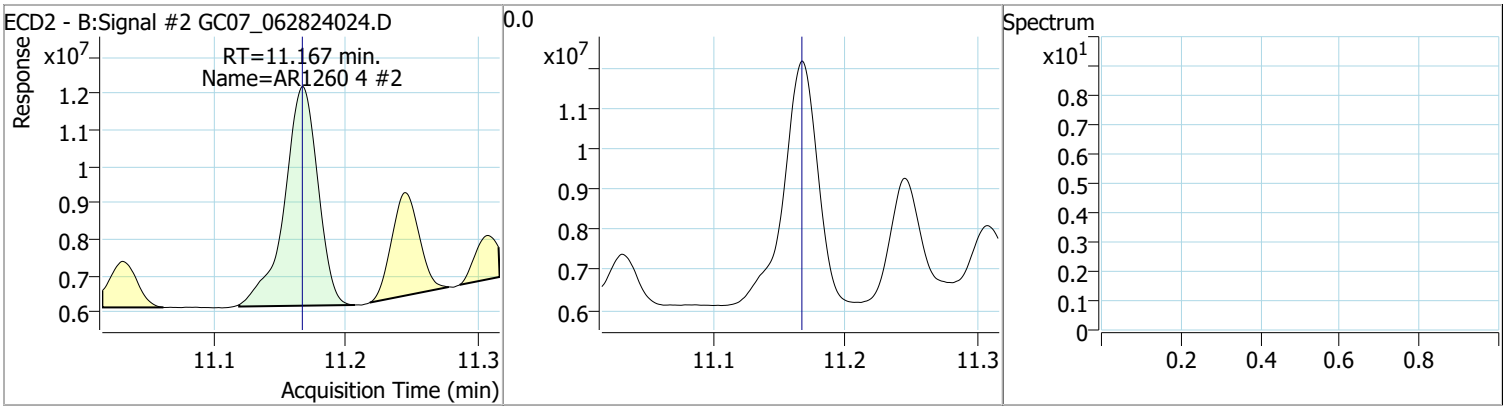
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	453.0160	10.75	0.00	16208573				



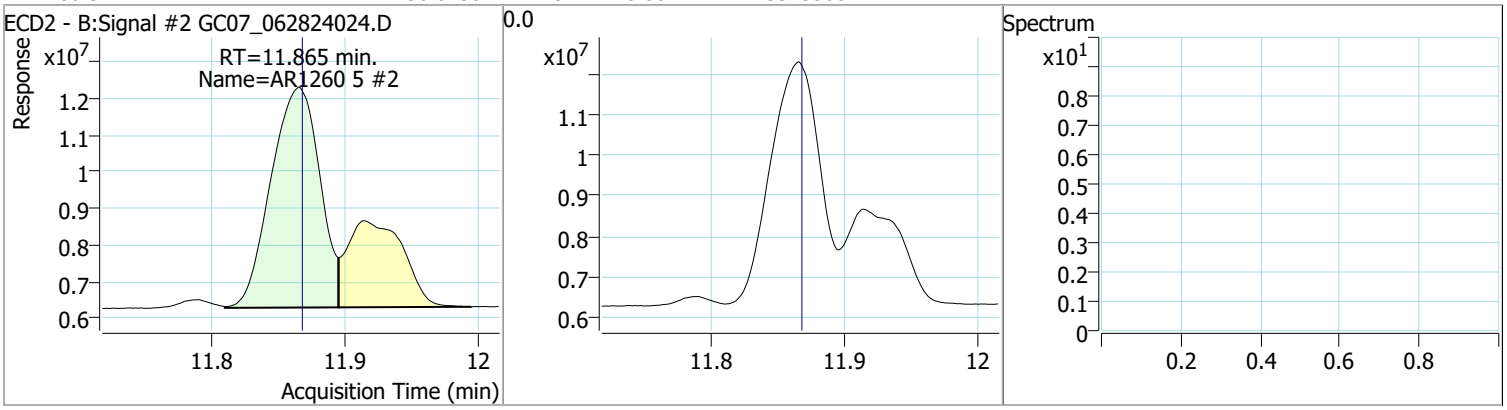
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.9239	10.97	0.00	41681149				



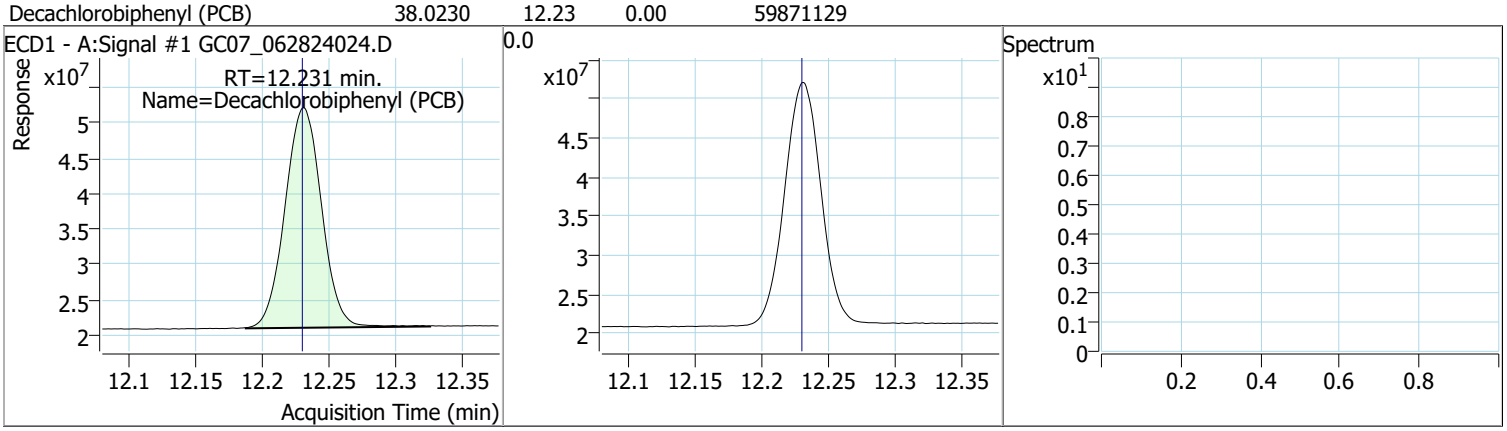
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	467.8691	11.17	0.00	10585125				



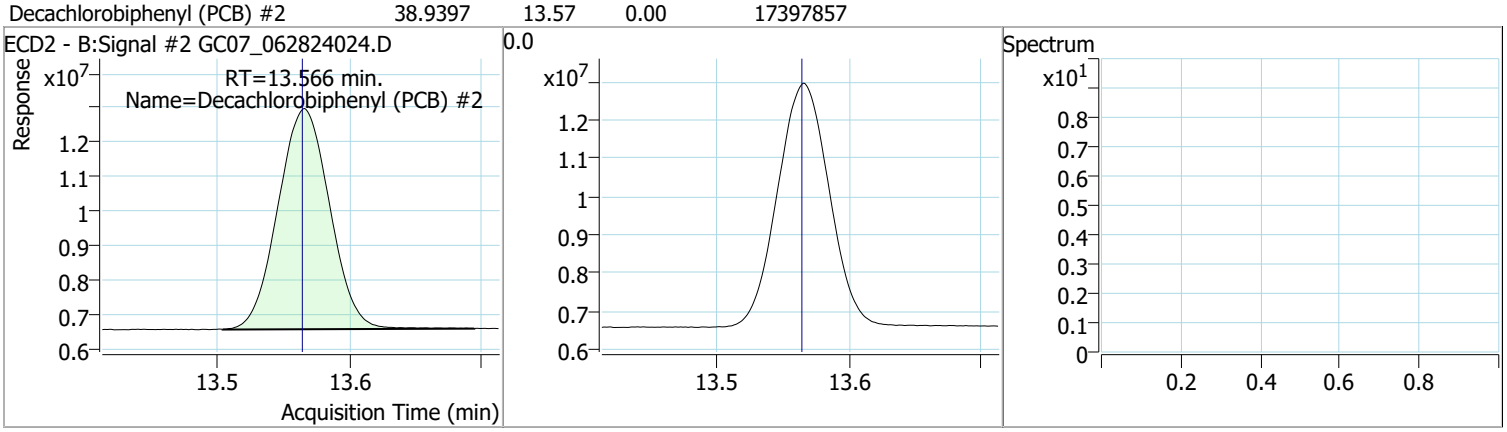
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	456.8250	11.87	0.00	15343500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.0230	12.23	0.00	59871129				

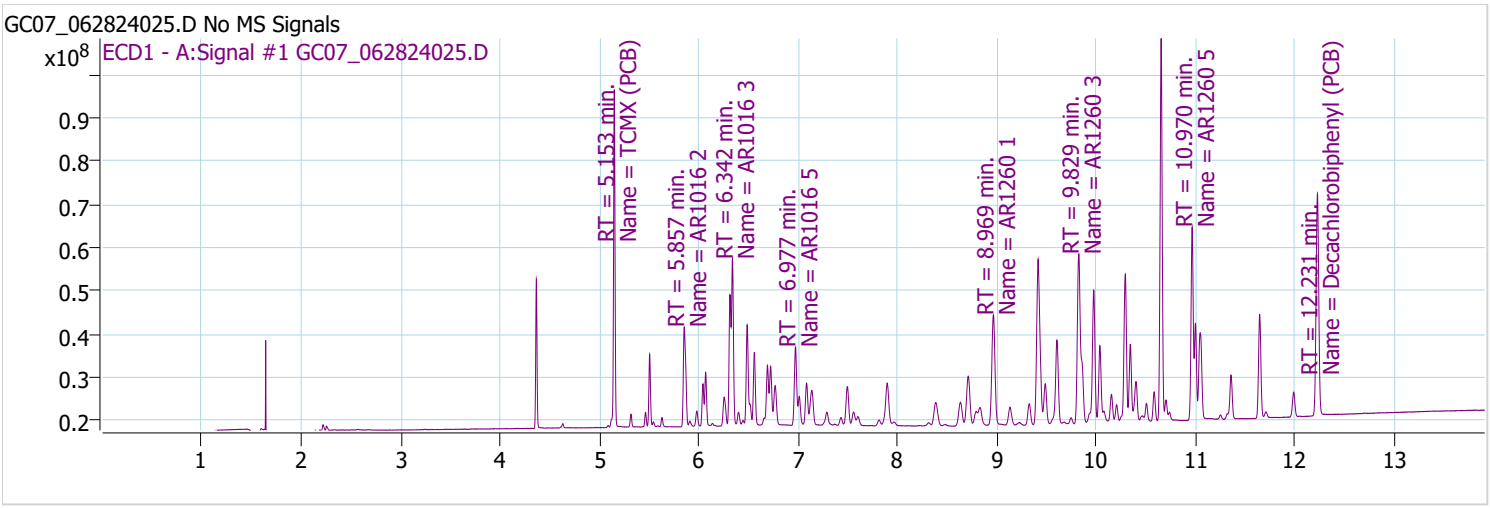


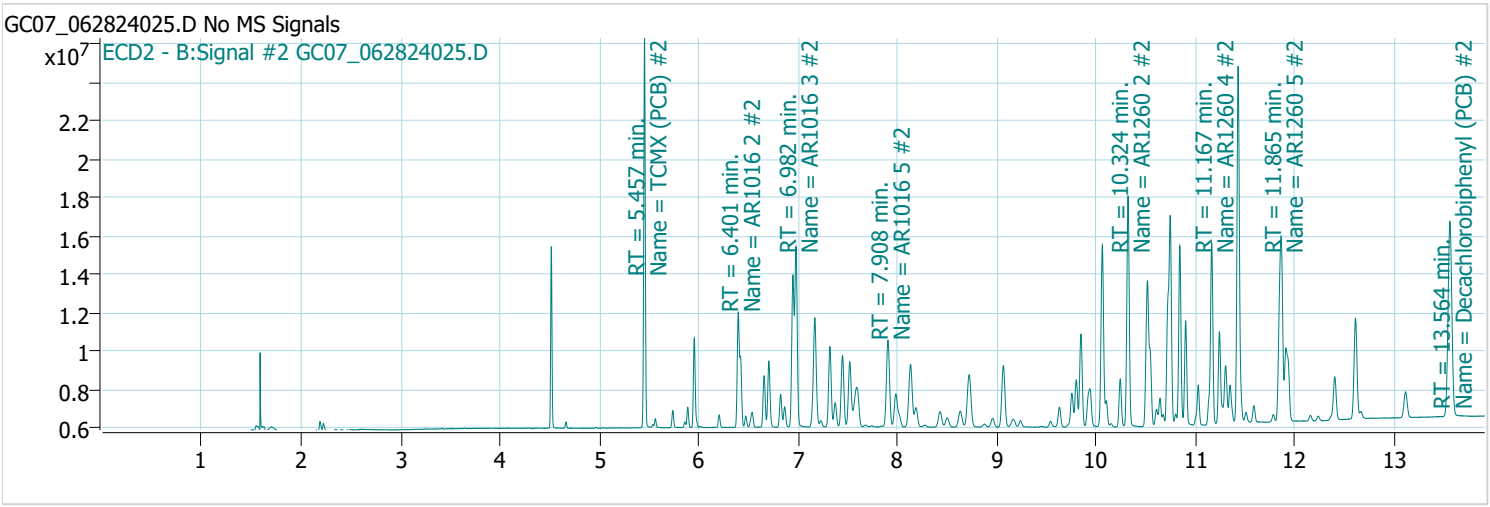
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9397	13.57	0.00	17397857				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:30:49 PM
Sample Name	ICAL, S20888	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



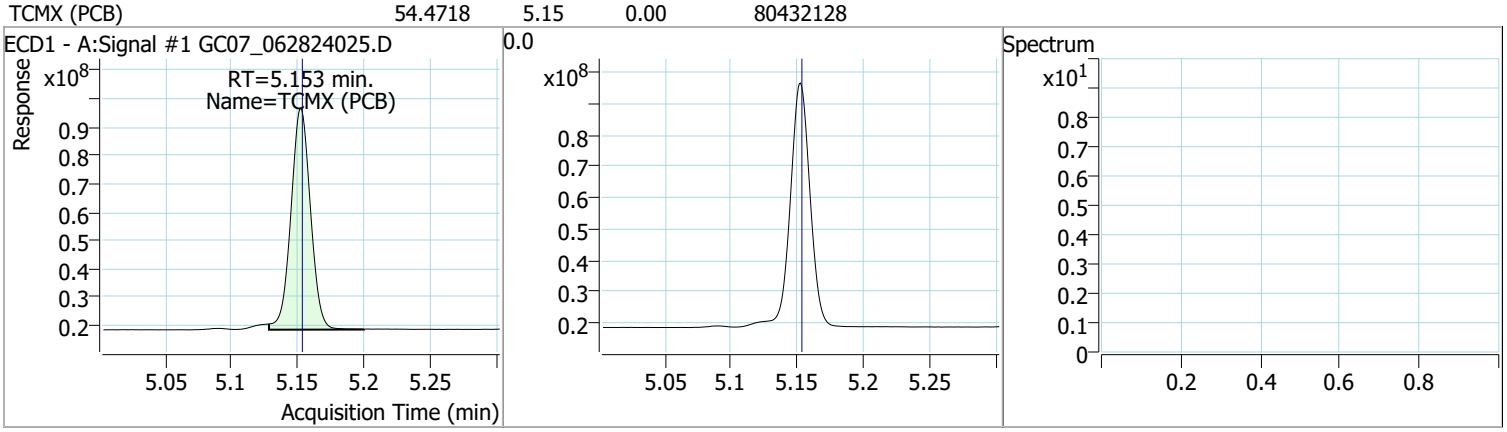


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31521008.606	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8732372.944	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	80432127.843	54.4718	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.36%		*	
S TCMX (PCB) #2	5.457	0.0	22613164.492	53.9889	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 269.94%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	96925538.200	55.7720	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.86%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	27480913.922	57.6059	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.03%		*	
Target Compounds							QValue

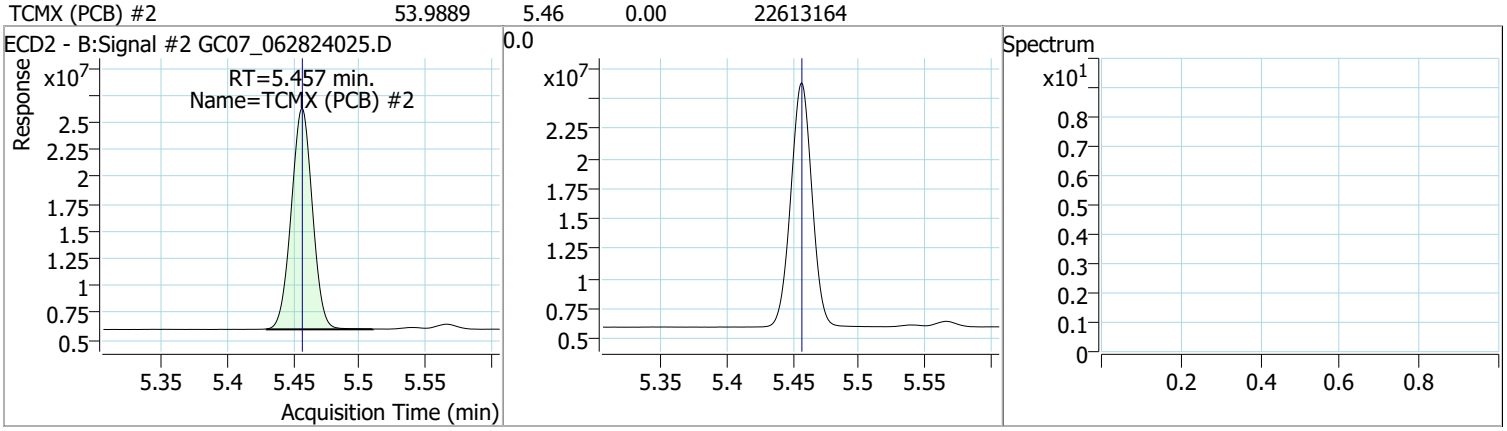
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	18625516.487	676.0044	ng/ml		100
T AR1016 2	5.857	0.0	39821970.978	695.7301	ng/ml		100
T AR1016 1 #2	5.958	0.0	6200185.220	672.4632	ng/ml		100
T AR1016 3	6.342	0.0	51592156.319	718.4537	ng/ml		100
T AR1016 2 #2	6.401	0.0	13186618.085	692.2341	ng/ml		100
T AR1016 4	6.490	0.0	33104238.283	691.1918	ng/ml	m	100
T AR1016 5	6.977	0.0	29391368.348	698.1409	ng/ml		100
T AR1016 3 #2	6.982	0.0	16217427.825	682.5976	ng/ml		100
T AR1016 4 #2	7.171	0.0	11905034.192	677.8469	ng/ml		100
T AR1016 5 #2	7.908	0.0	9906393.653	697.4031	ng/ml		100
T AR1260 1	8.969	0.0	57310265.357	678.7522	ng/ml		100
T AR1260 2	9.419	0.0	88600636.007	687.0600	ng/ml		100
T AR1260 3	9.829	0.0	99715428.343	718.6686	ng/ml	m	100
T AR1260 1 #2	10.066	0.0	17249631.332	682.7888	ng/ml		100
T AR1260 4	10.297	0.0	58329005.693	727.1466	ng/ml		100
T AR1260 2 #2	10.324	0.0	20569819.238	648.1198	ng/ml		100
T AR1260 3 #2	10.749	0.0	25623427.839	670.7251	ng/ml		100
T AR1260 5	10.970	0.0	68834711.095	716.6105	ng/ml		100
T AR1260 4 #2	11.167	0.0	17176003.220	711.0318	ng/ml		100
T AR1260 5 #2	11.865	0.0	24458563.683	682.0165	ng/ml		100

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

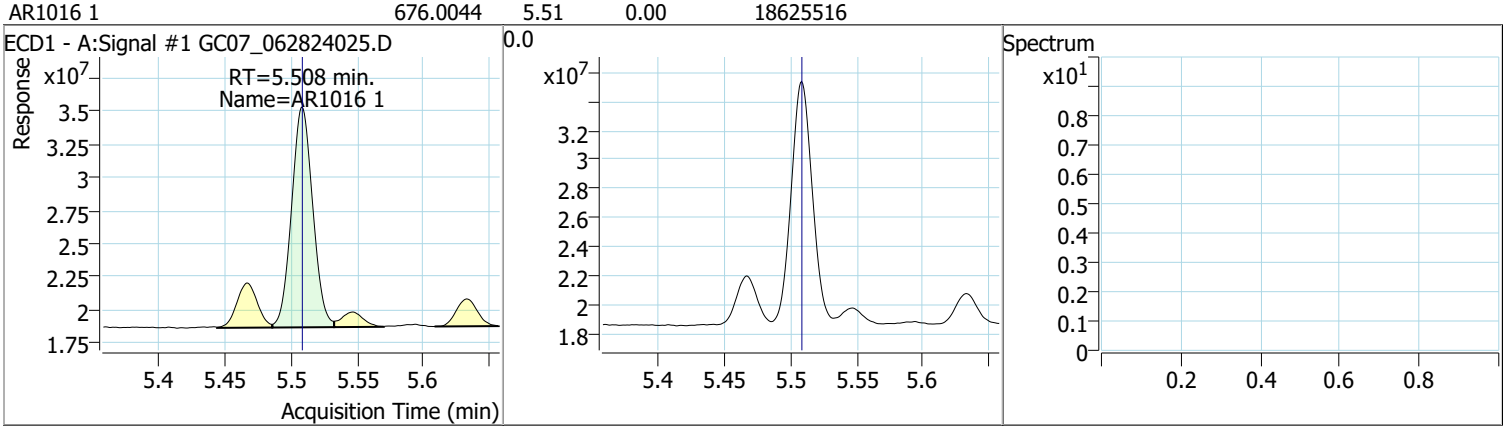
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4718	5.15	0.00	80432128				



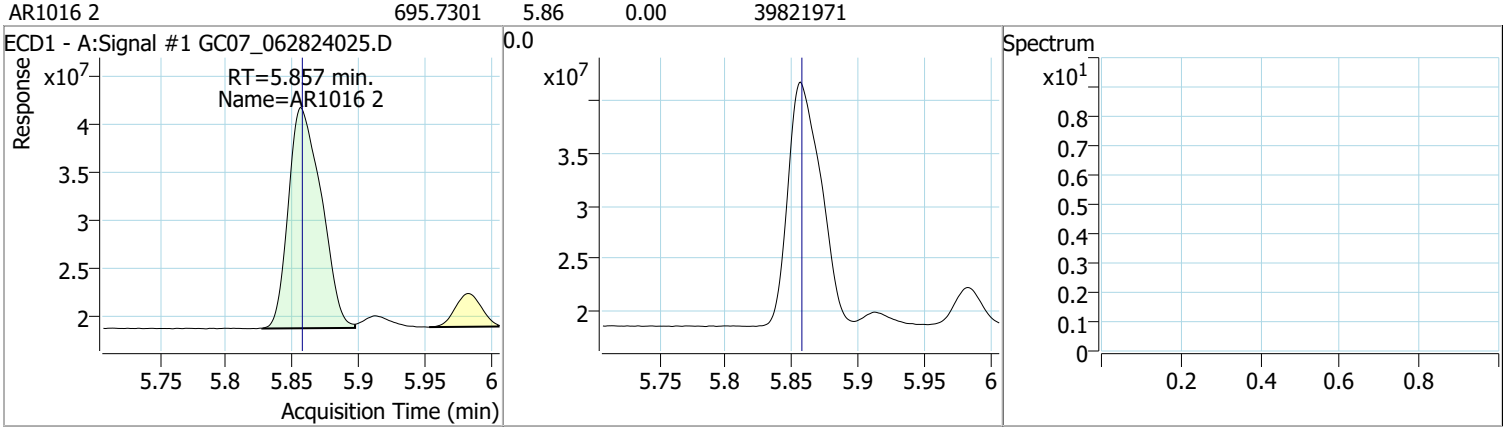
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.9889	5.46	0.00	22613164				



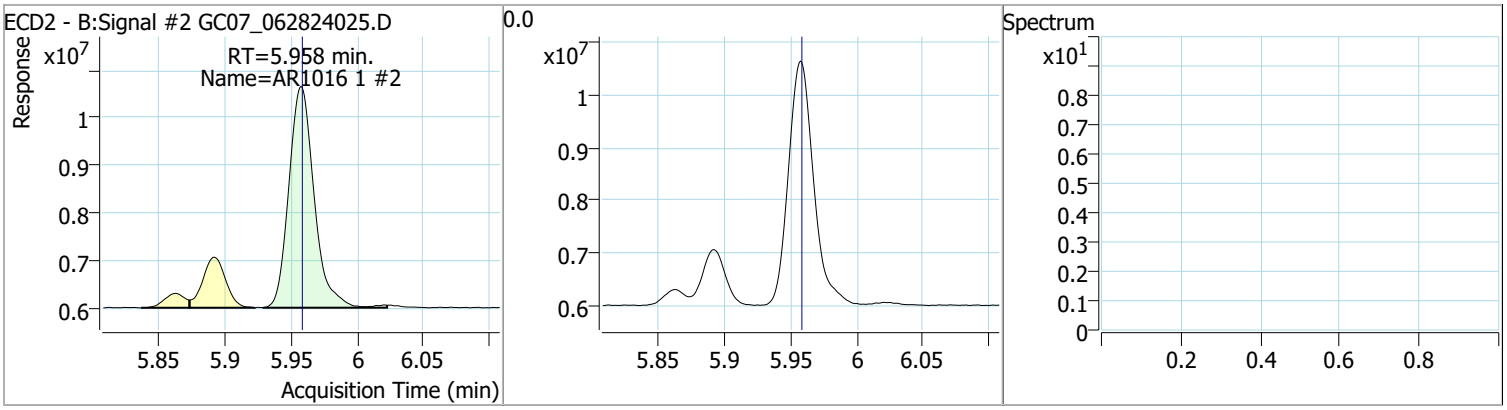
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	676.0044	5.51	0.00	18625516				



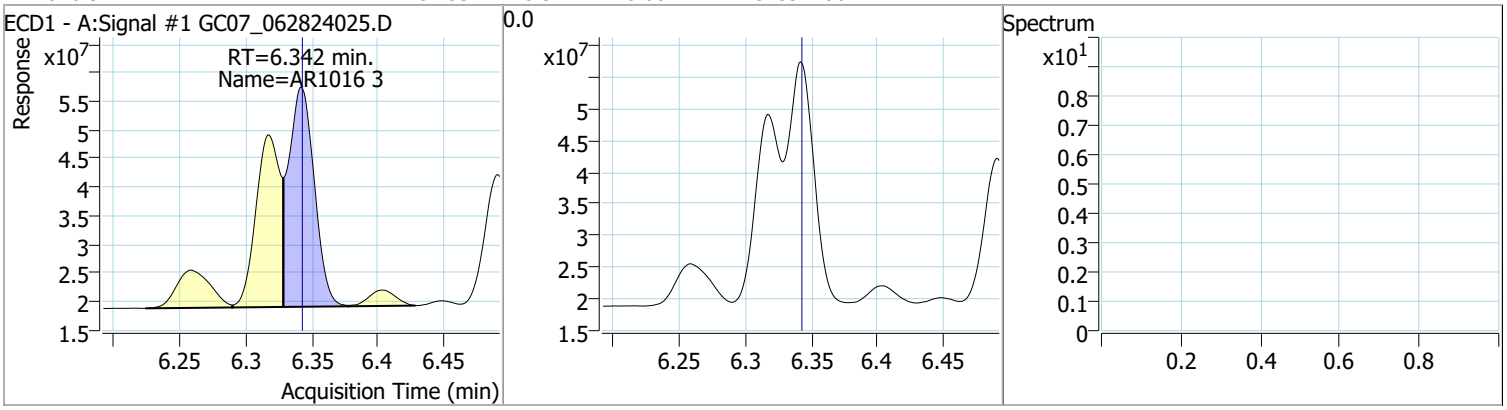
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.7301	5.86	0.00	39821971				



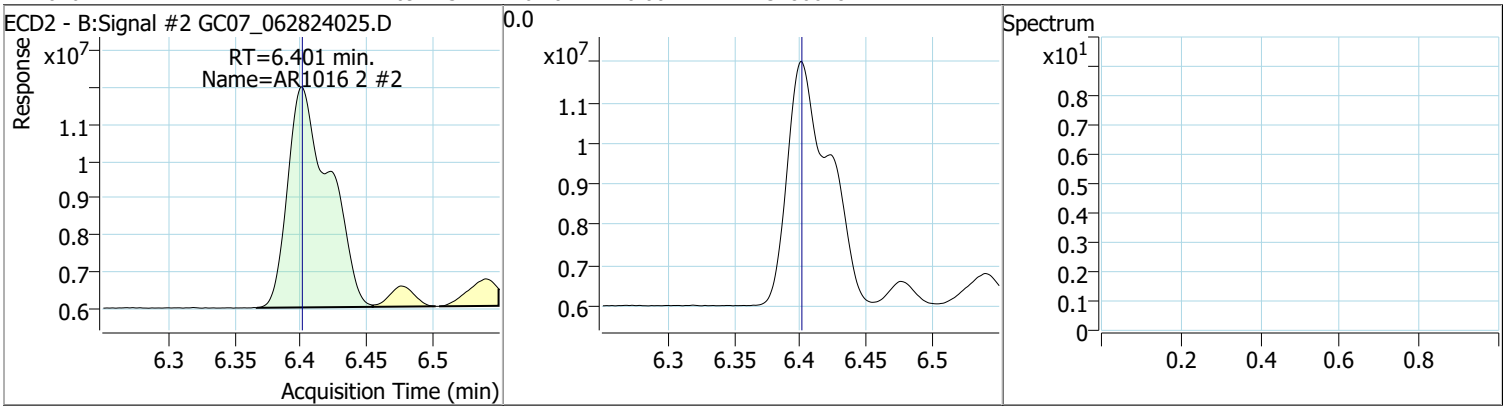
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	672.4632	5.96	0.00	6200185				



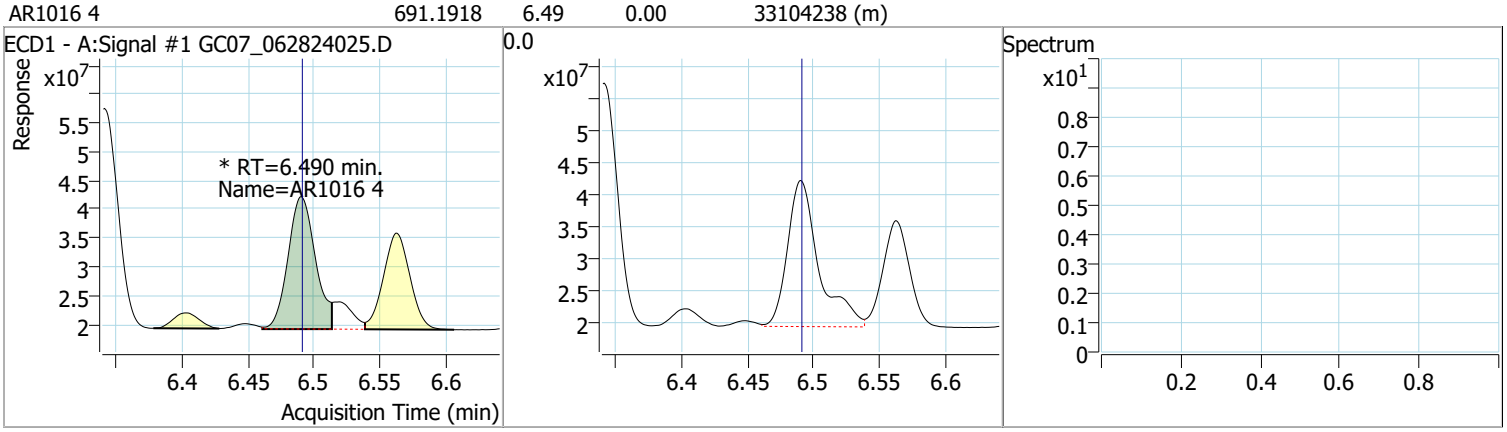
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	718.4537	6.34	0.00	51592156				



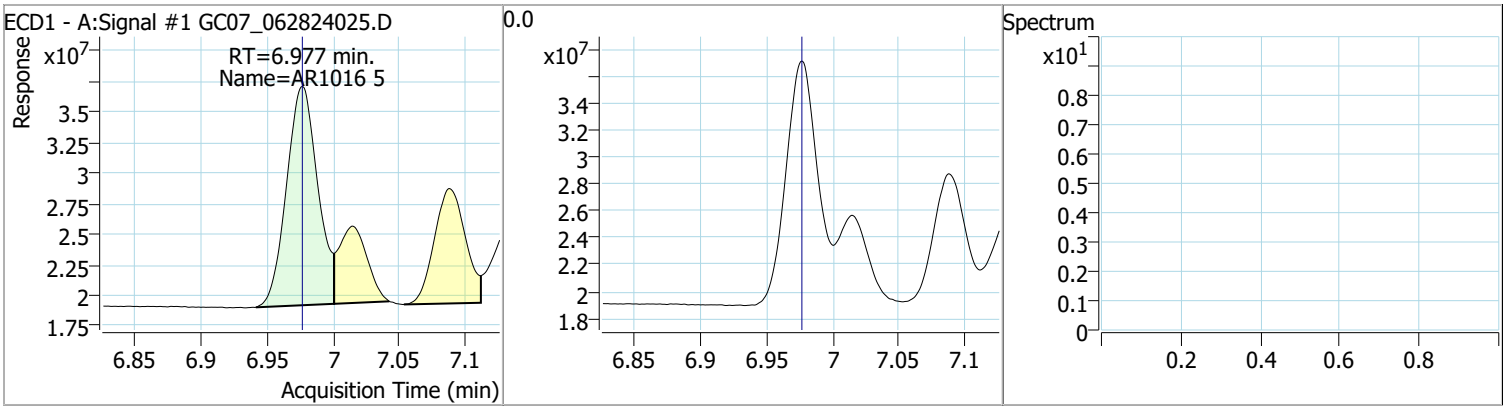
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	692.2341	6.40	0.00	13186618				



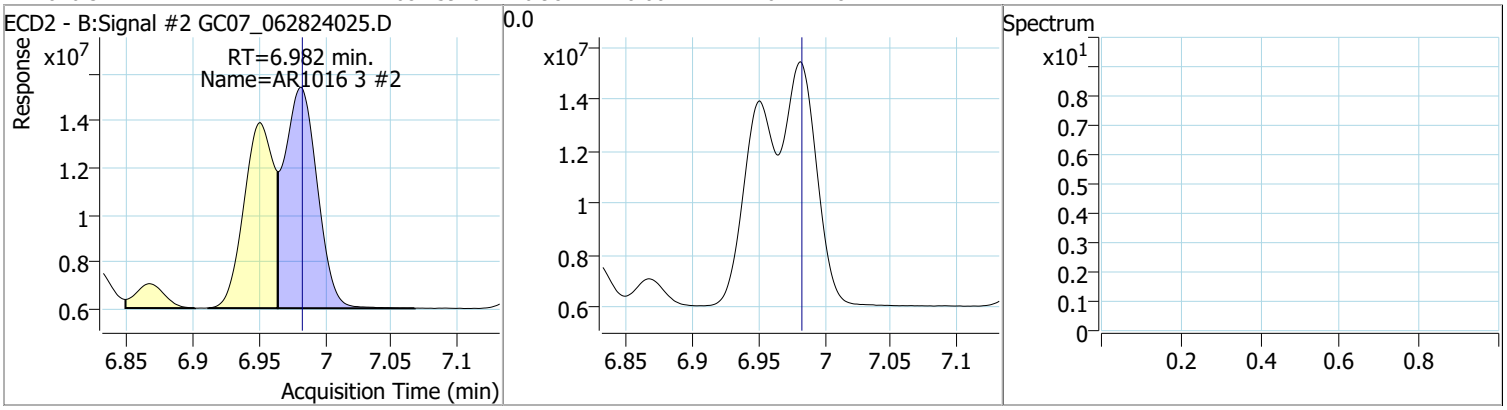
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	691.1918	6.49	0.00	33104238 (m)				



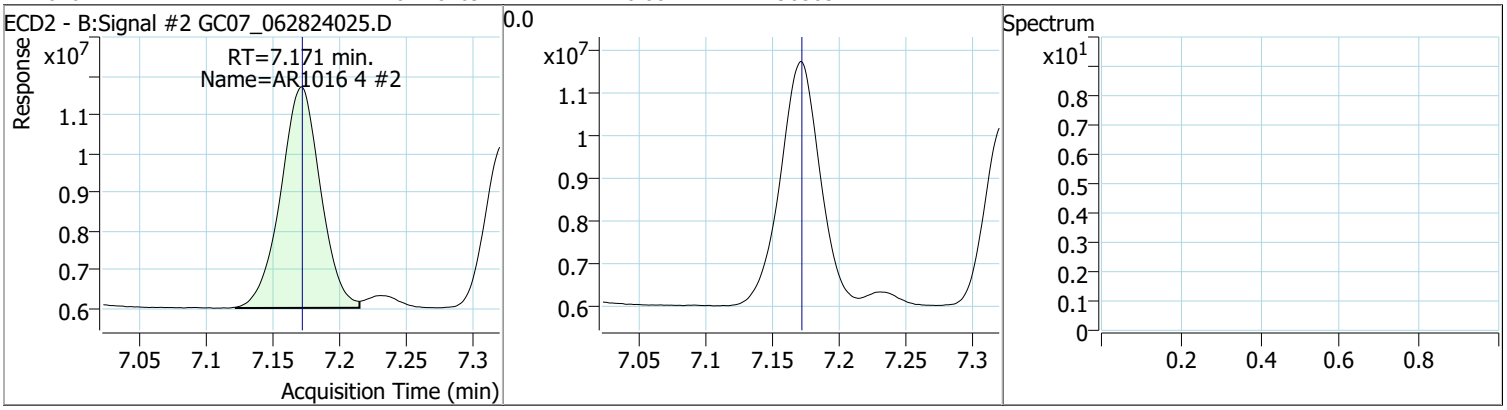
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	698.1409	6.98	0.00	29391368				



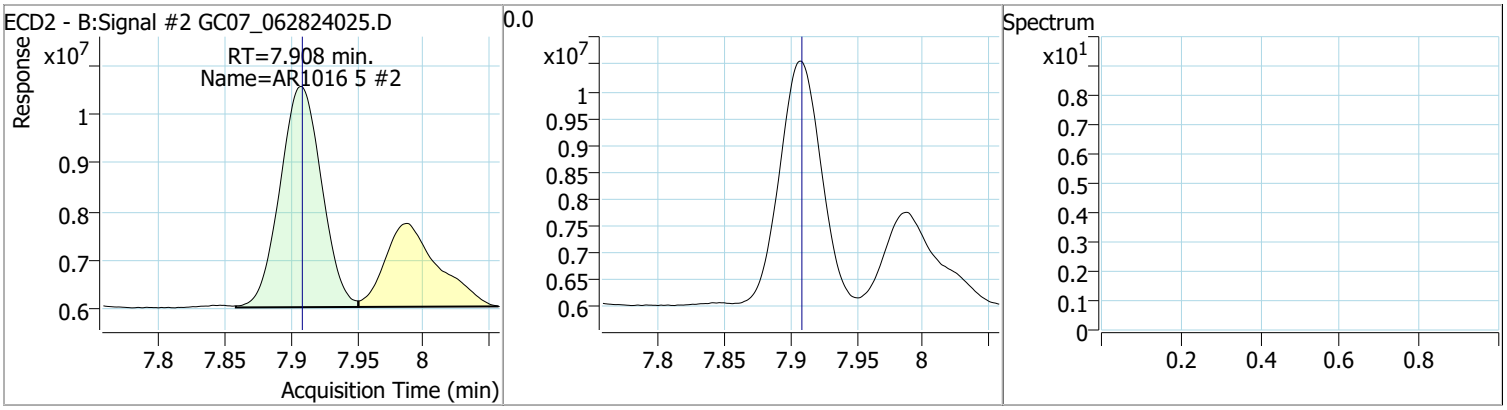
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	682.5976	6.98	0.00	16217428				



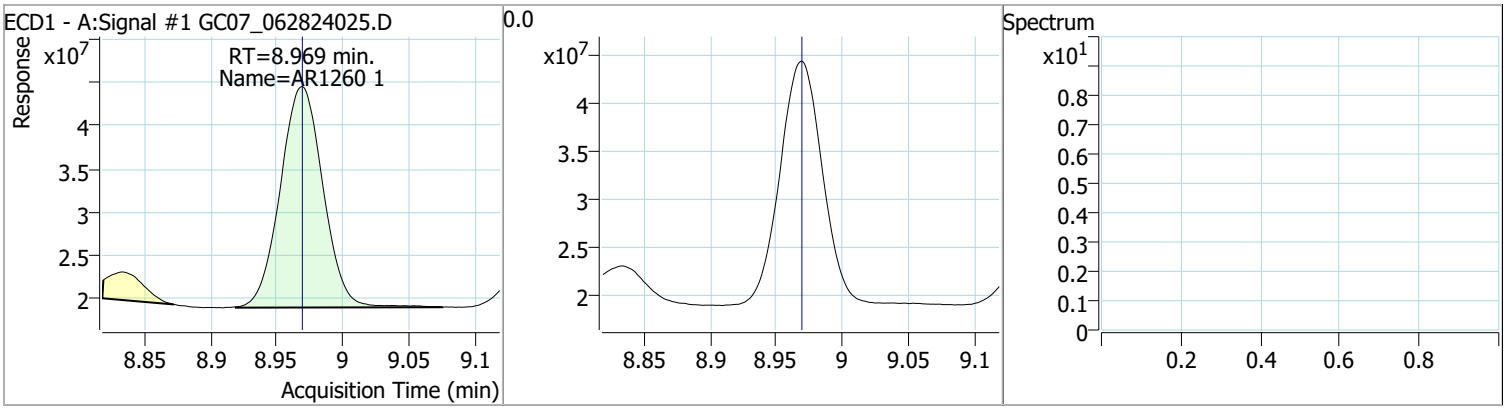
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	677.8469	7.17	0.00	11905034				



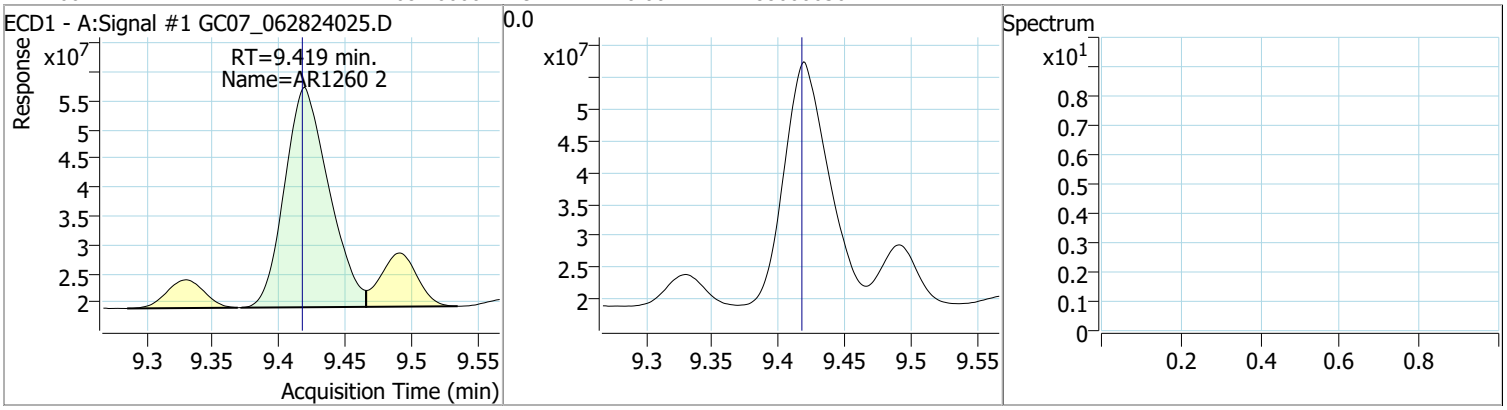
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	697.4031	7.91	0.00	9906394				



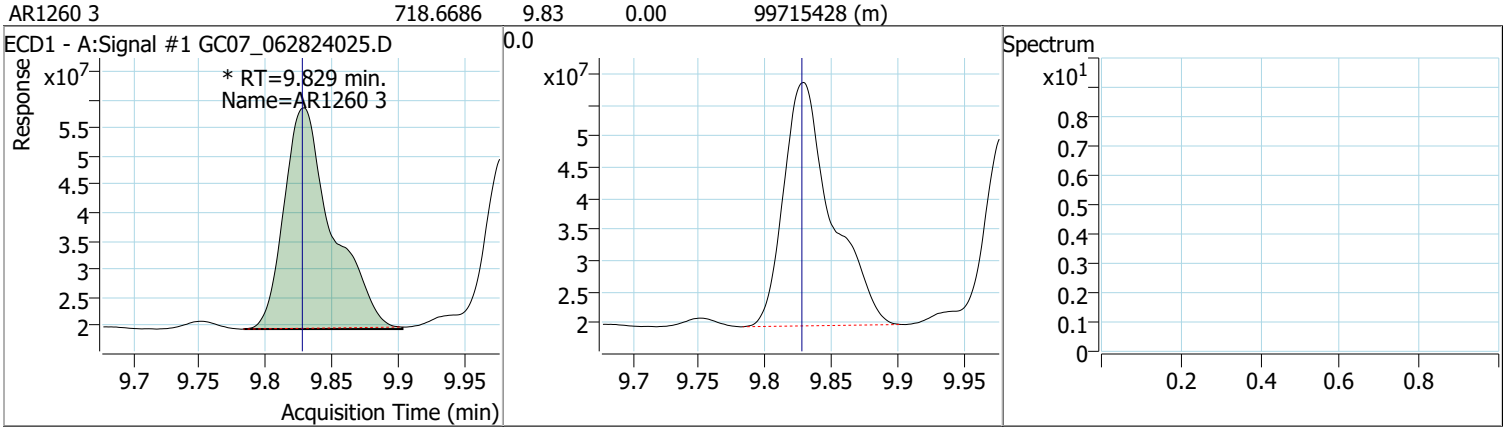
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	678.7522	8.97	0.00	57310265				



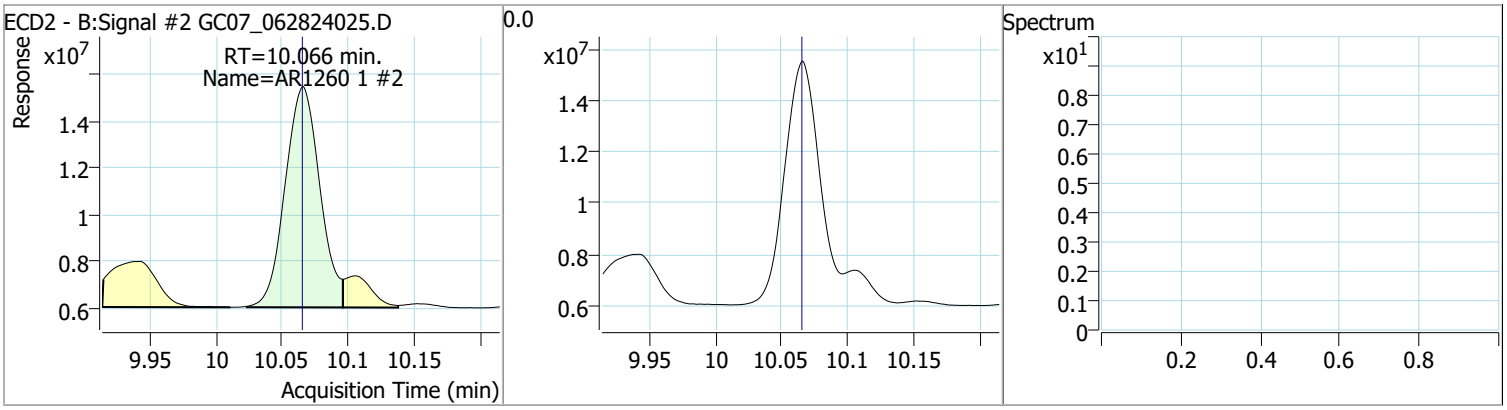
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	687.0600	9.42	0.00	88600636				



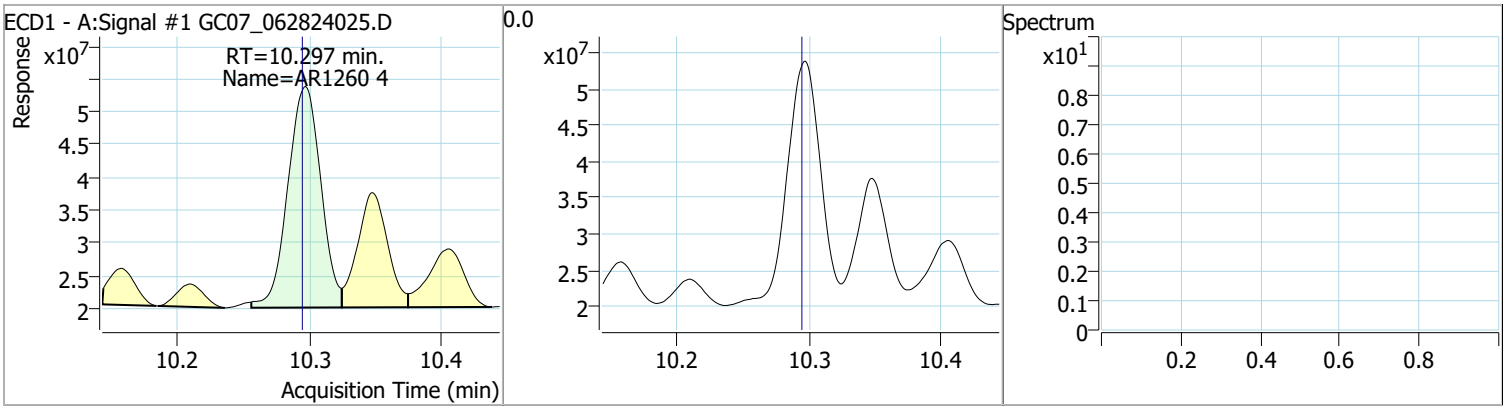
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	718.6686	9.83	0.00	99715428 (m)				



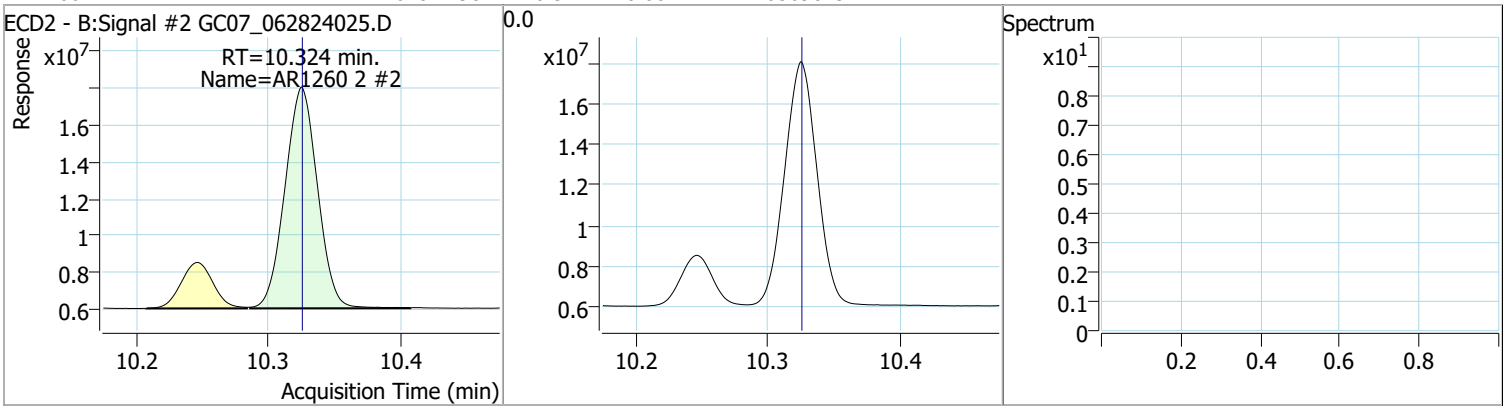
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	682.7888	10.07	0.00	17249631				



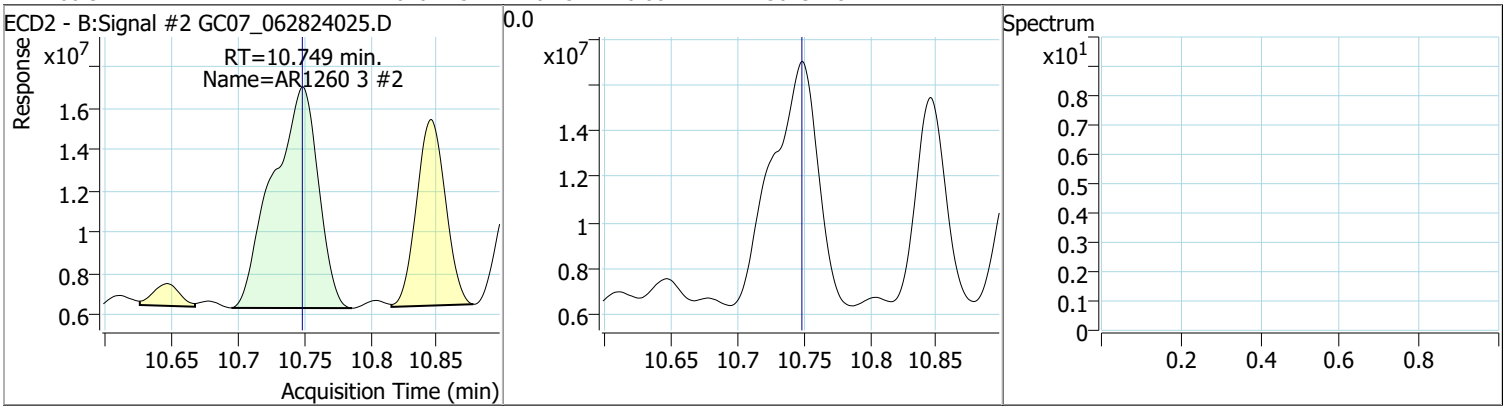
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	727.1466	10.30	0.00	58329006				



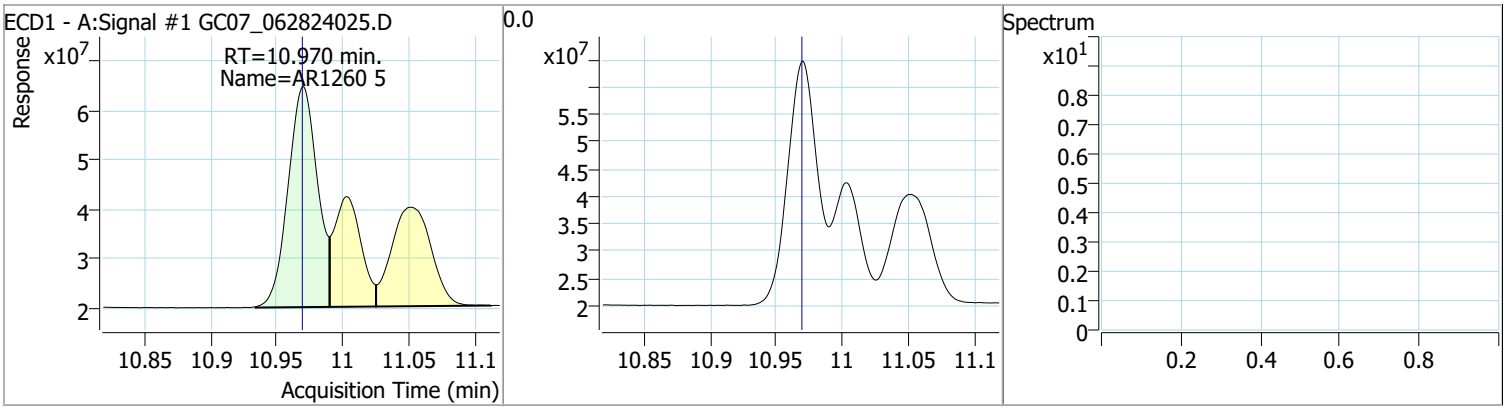
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	648.1198	10.32	0.00	20569819				



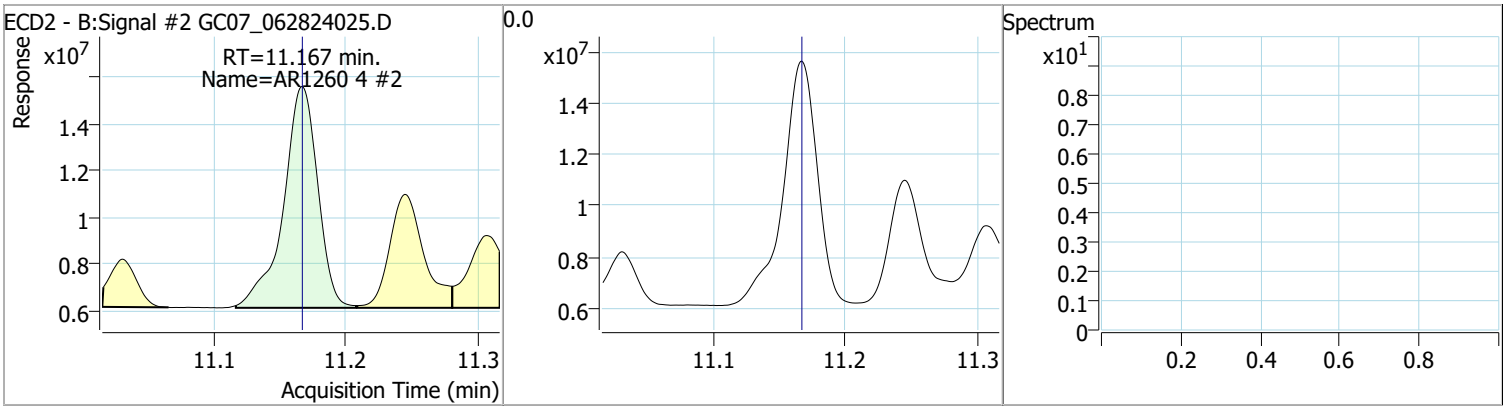
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	670.7251	10.75	0.00	25623428				



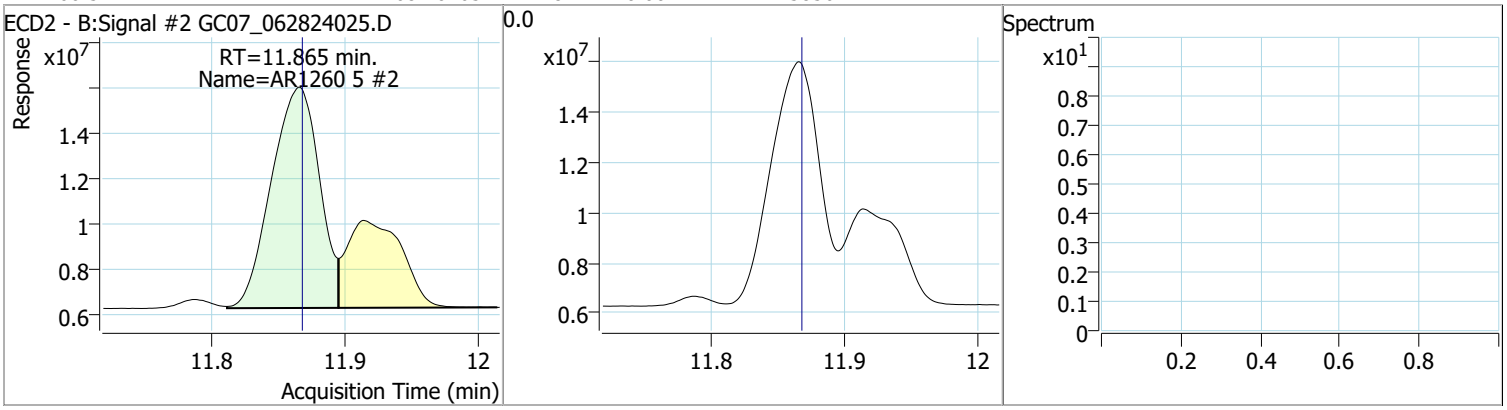
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	716.6105	10.97	0.00	68834711				



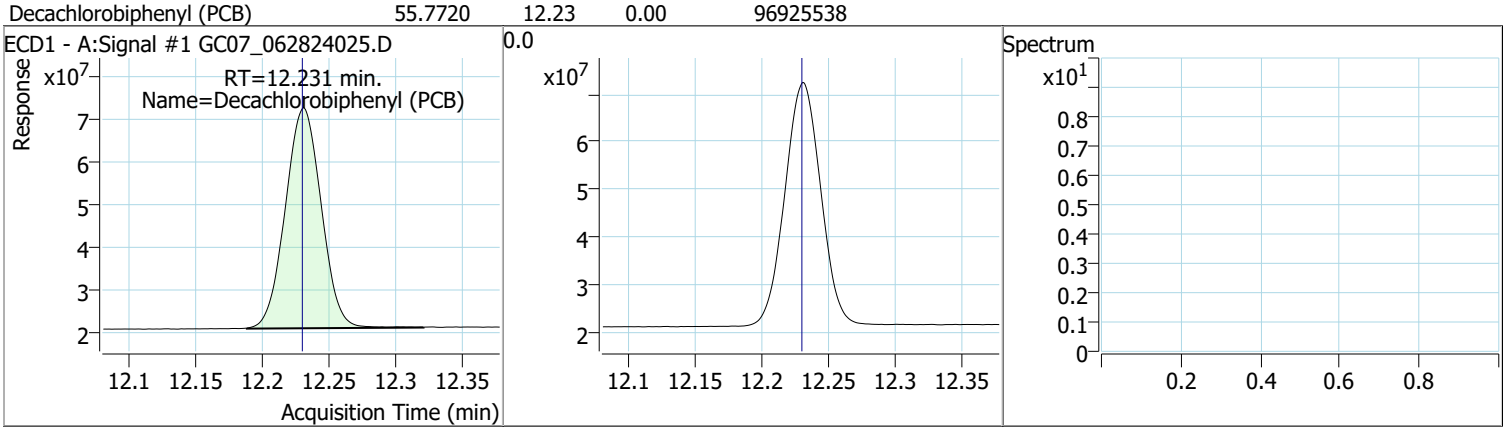
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	711.0318	11.17	0.00	17176003				



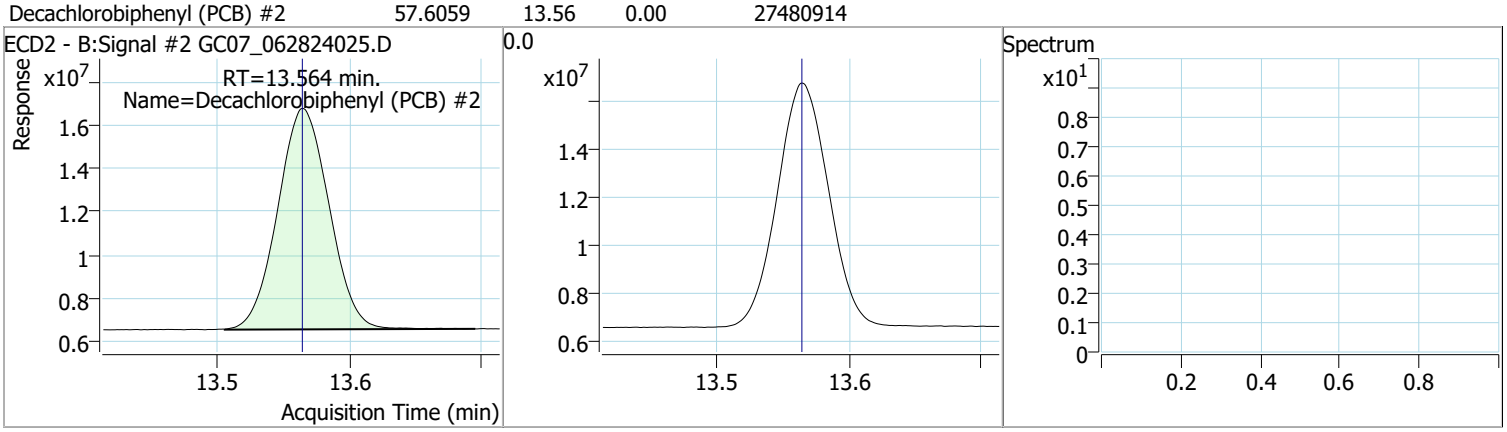
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	682.0165	11.87	0.00	24458564				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	55.7720	12.23	0.00	96925538				

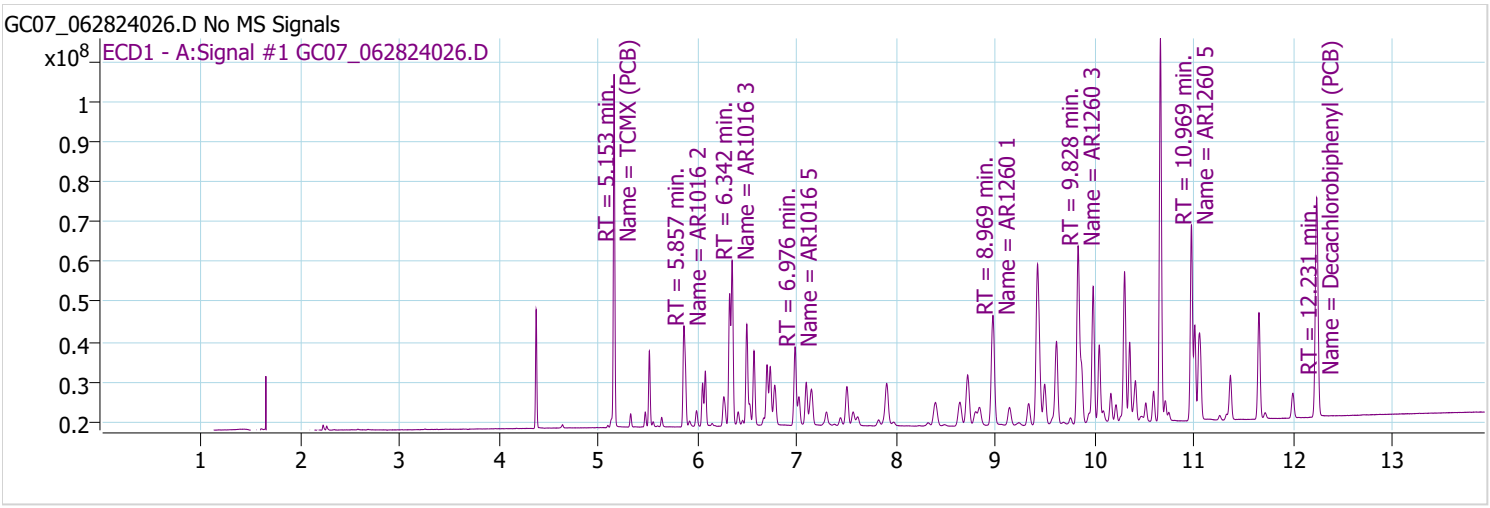


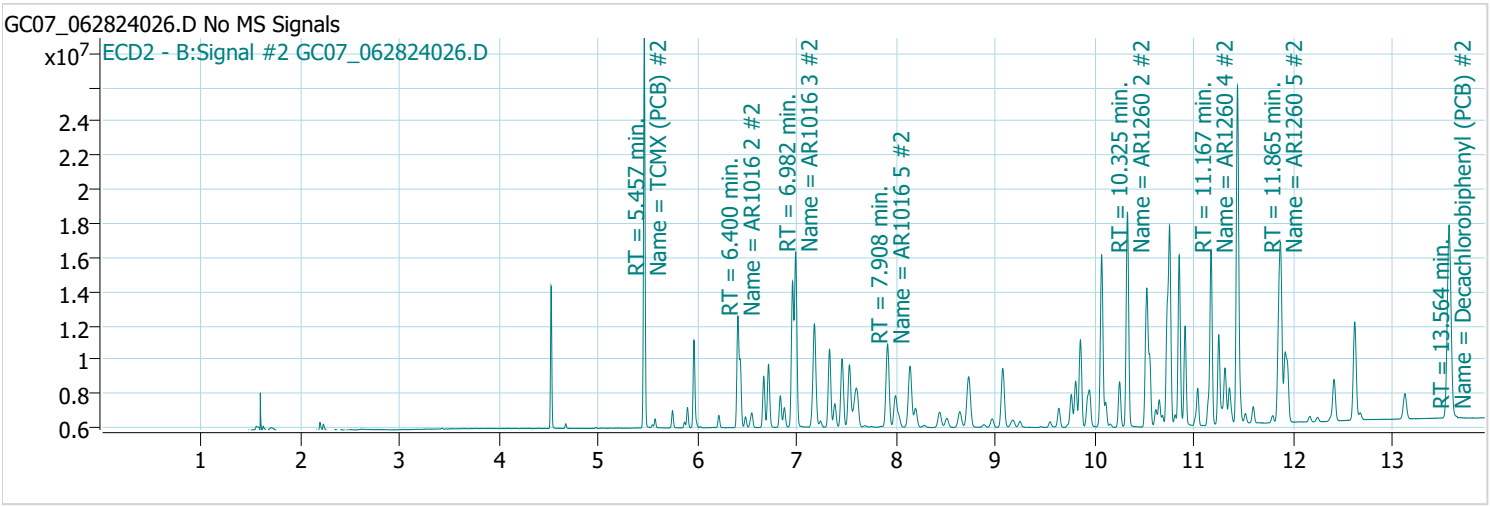
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.6059	13.56	0.00	27480914				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:48:13 PM
Sample Name	ICAL, S20889	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



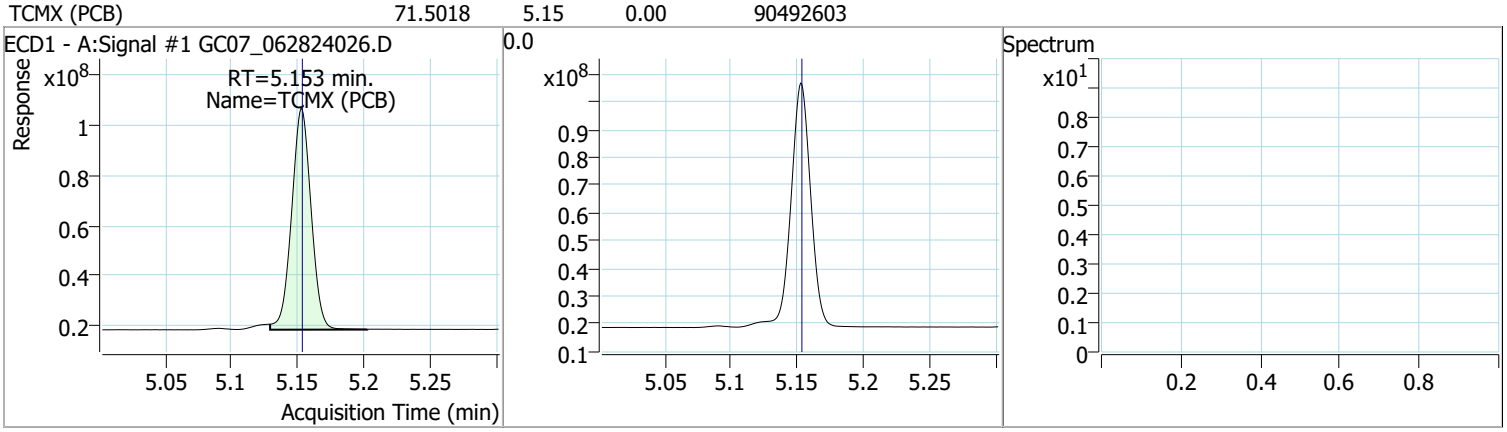


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	27017088.241	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7490916.324	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	90492602.617	71.5018	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.51%		*	
S TCMX (PCB) #2	5.457	0.0	25164397.560	70.0370	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.18%		*	
S Decachlorobiphenyl (PCB)	12.231	0.0	106879257.653	71.7518	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 358.76%		*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	30482147.108	74.4867	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.43%		*	
Target Compounds							QValue

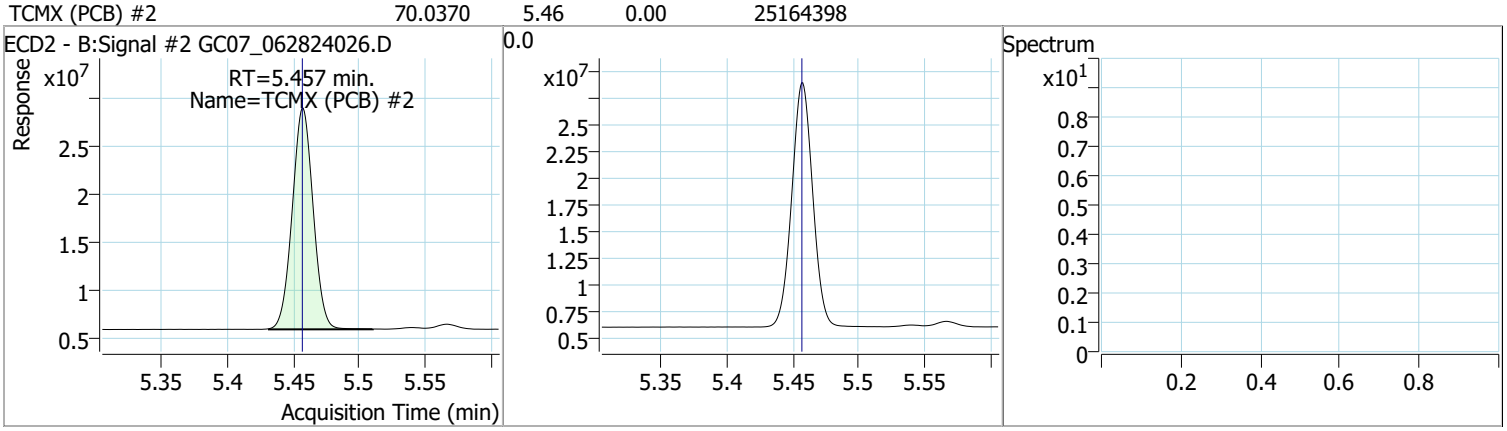
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	20817931.570	881.5366	ng/ml		100
T AR1016 2	5.857	0.0	44008986.093	897.0589	ng/ml		100
T AR1016 1 #2	5.958	0.0	6783093.230	857.6084	ng/ml		100
T AR1016 3	6.342	0.0	58055063.441	943.2282	ng/ml		100
T AR1016 2 #2	6.400	0.0	14433160.359	883.2391	ng/ml		100
T AR1016 4	6.490	0.0	36860975.814	897.9318	ng/ml	m	100
T AR1016 5	6.976	0.0	32670578.049	905.4024	ng/ml		100
T AR1016 3 #2	6.982	0.0	17619837.490	864.5339	ng/ml		100
T AR1016 4 #2	7.171	0.0	13022775.878	864.3743	ng/ml		100
T AR1016 5 #2	7.908	0.0	10783865.235	884.9935	ng/ml		100
T AR1260 1	8.969	0.0	62257475.280	860.2643	ng/ml		100
T AR1260 2	9.419	0.0	96574670.327	873.7408	ng/ml		100
T AR1260 3	9.828	0.0	107868556.250	907.0323	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	18562011.107	856.5031	ng/ml		100
T AR1260 4	10.295	0.0	63669929.407	926.0476	ng/ml		100
T AR1260 2 #2	10.325	0.0	22137646.949	813.1181	ng/ml		100
T AR1260 3 #2	10.748	0.0	27748156.389	846.7180	ng/ml		100
T AR1260 5	10.969	0.0	76175016.781	925.2302	ng/ml		100
T AR1260 4 #2	11.167	0.0	18498356.429	892.6833	ng/ml		100
T AR1260 5 #2	11.865	0.0	26651576.006	866.3316	ng/ml		100

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

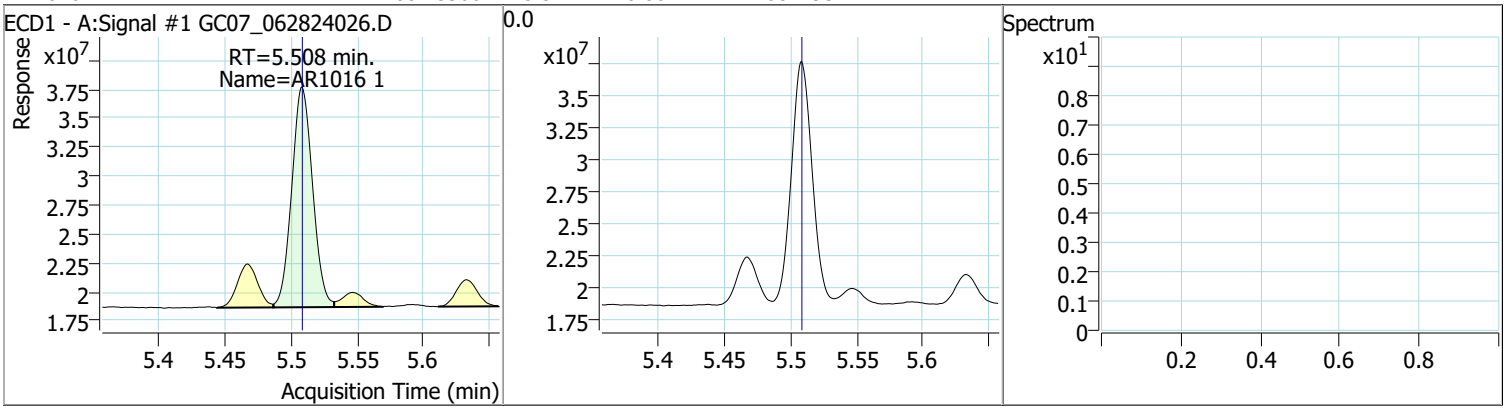
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	71.5018	5.15	0.00	90492603				



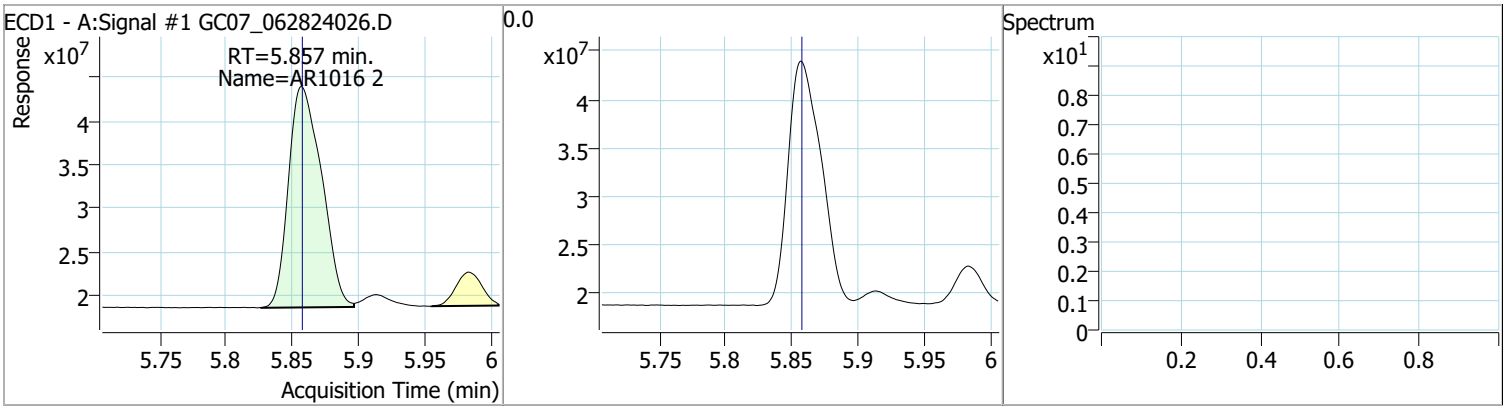
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	70.0370	5.46	0.00	25164398				



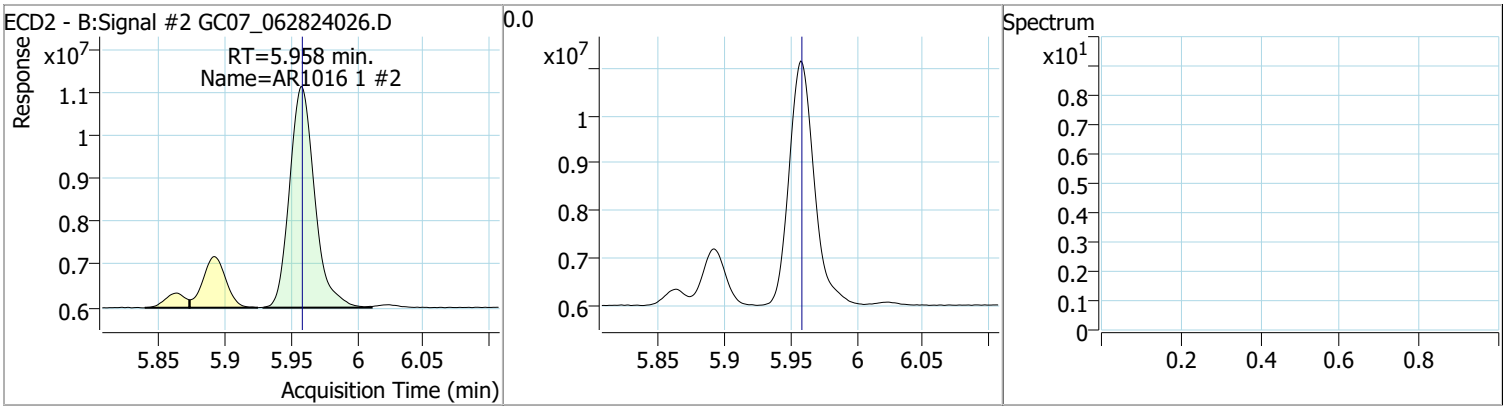
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	881.5366	5.51	0.00	20817932				



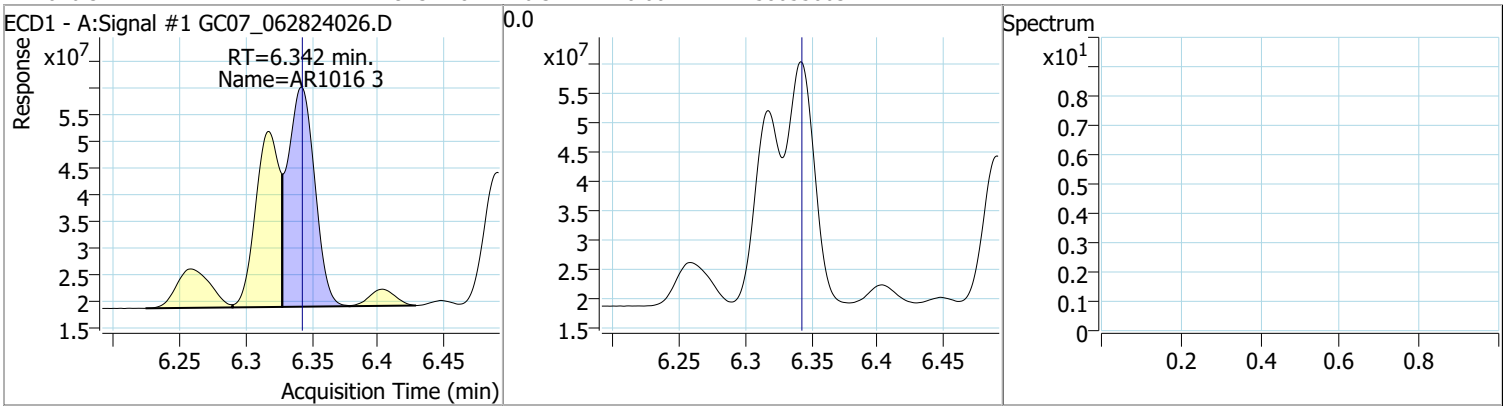
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	897.0589	5.86	0.00	44008986				



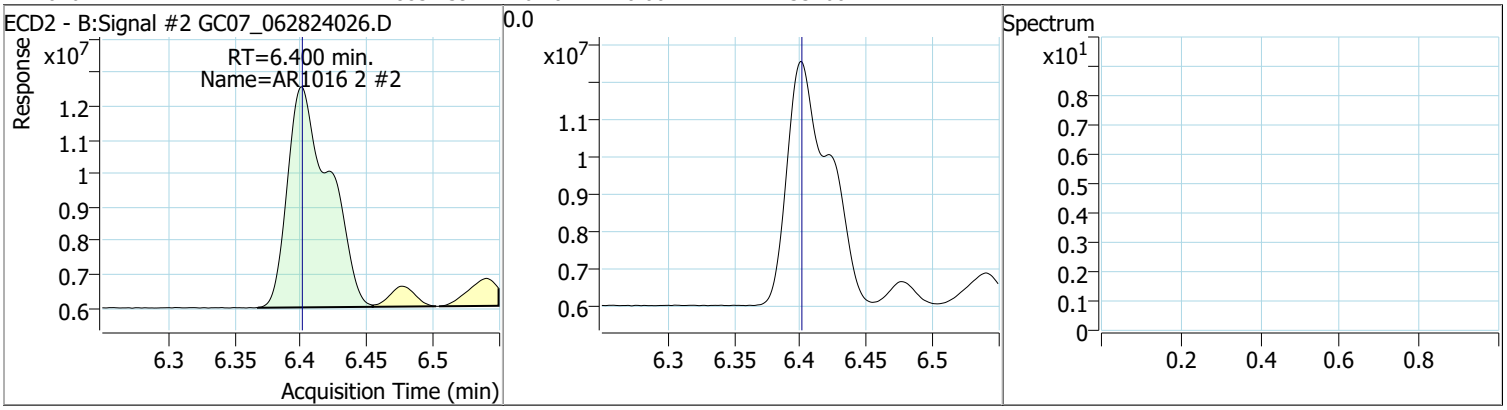
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	857.6084	5.96	0.00	6783093				



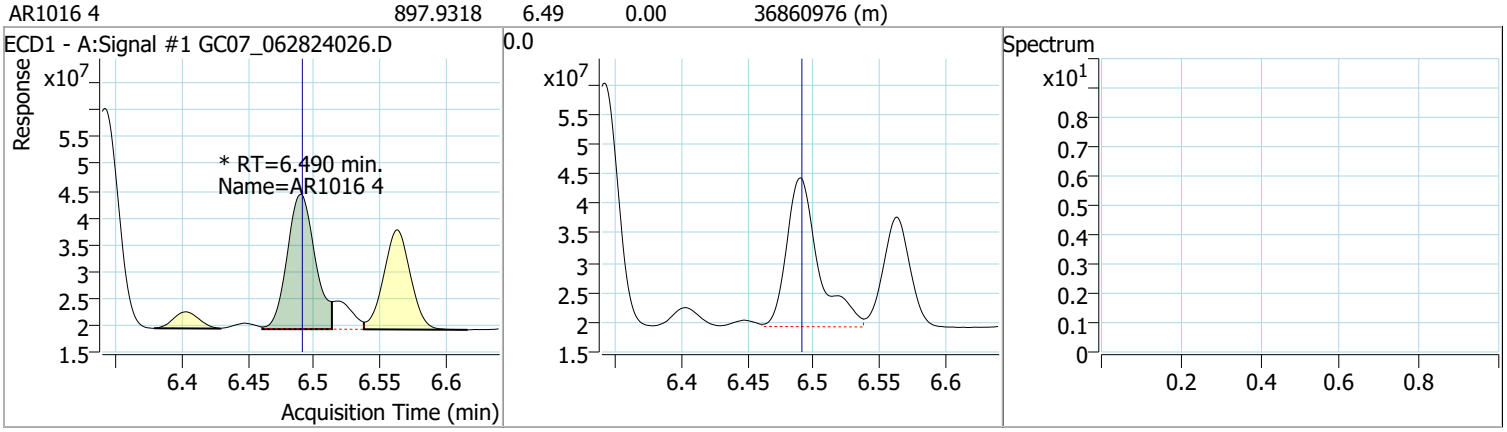
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	943.2282	6.34	0.00	58055063				



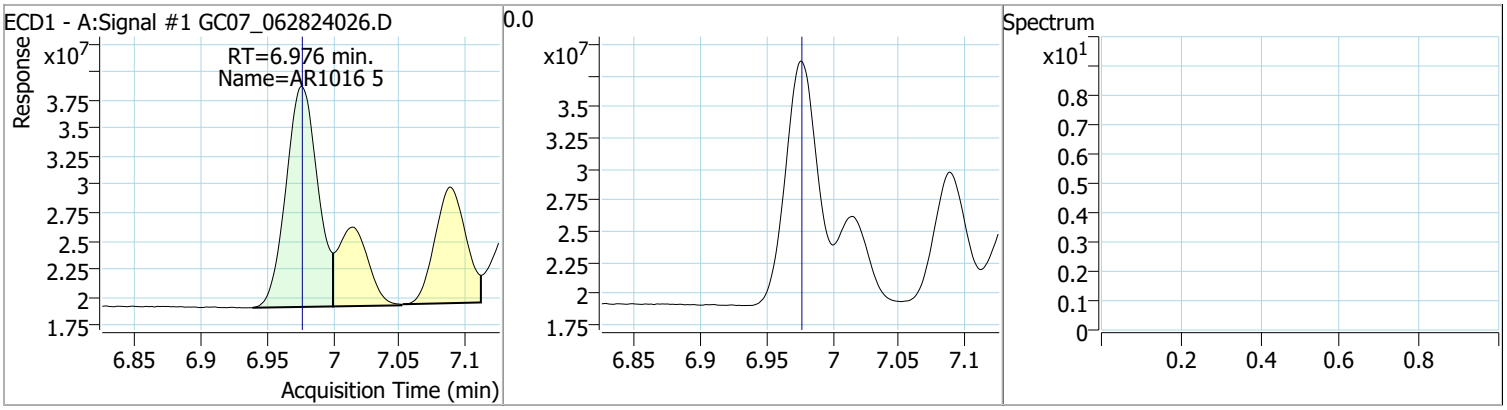
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	883.2391	6.40	0.00	14433160				



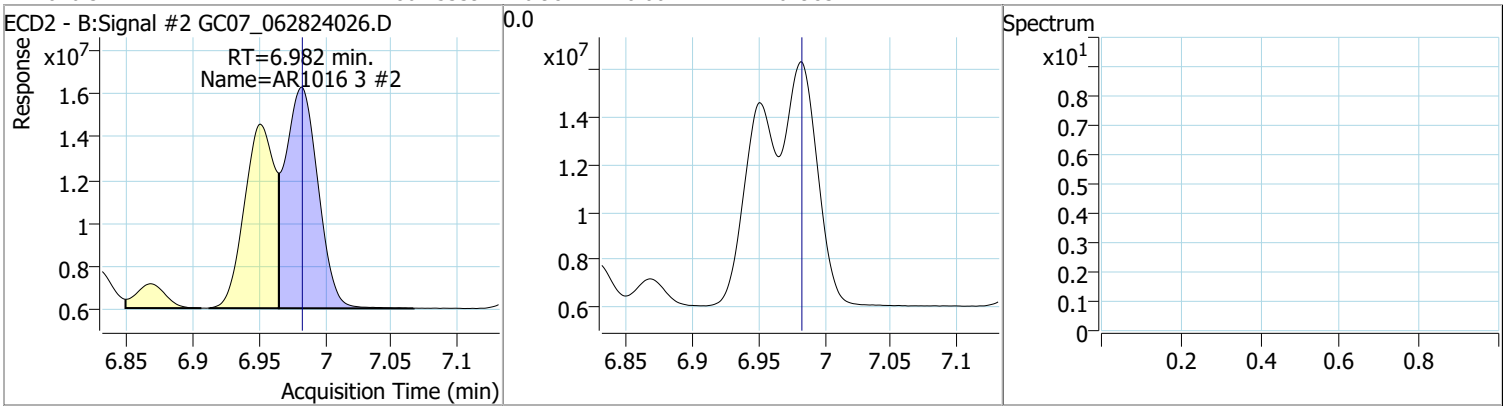
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	897.9318	6.49	0.00	36860976 (m)				



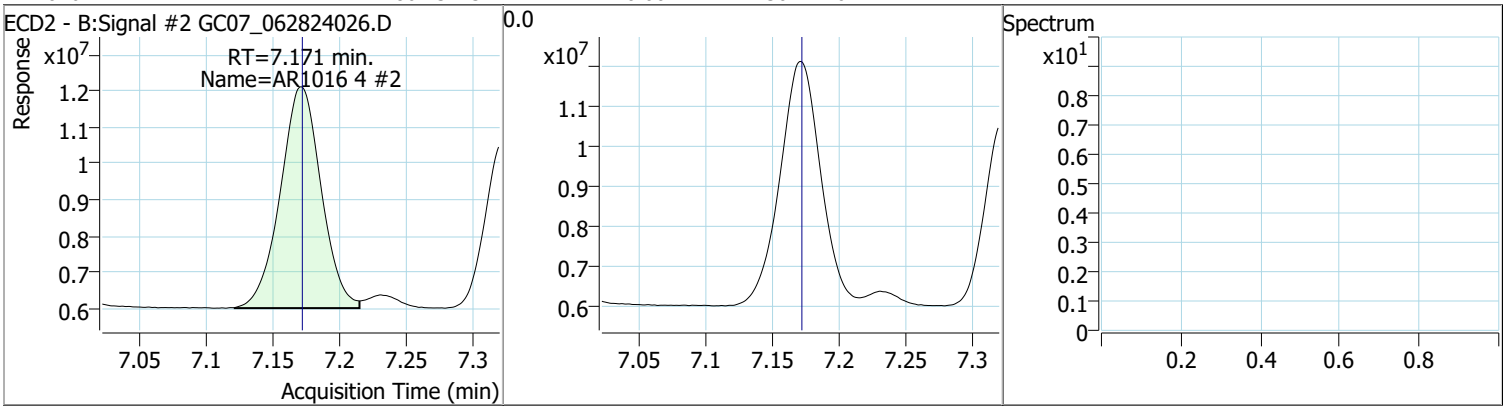
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	905.4024	6.98	0.00	32670578				



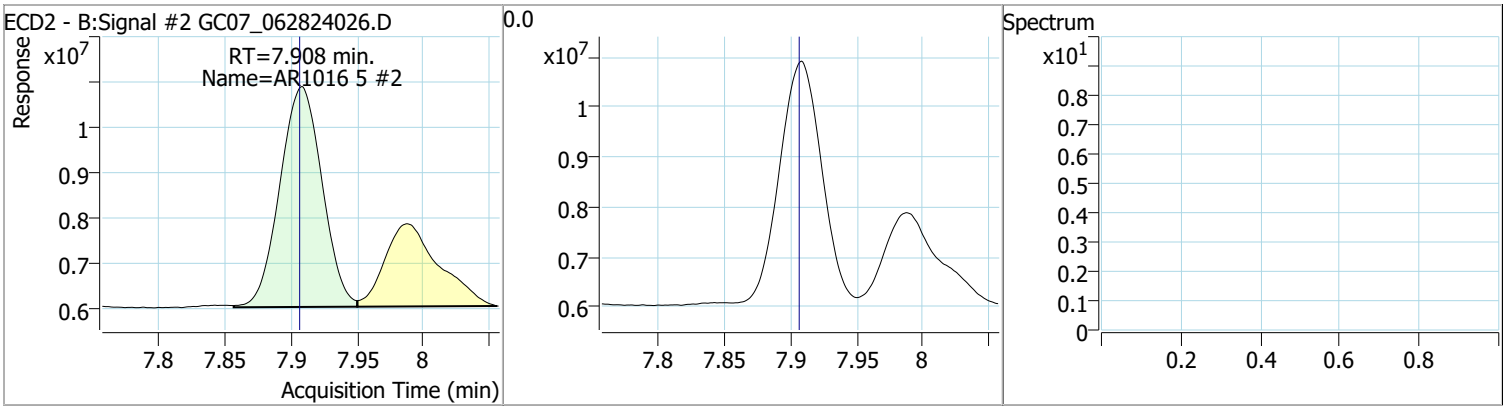
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	864.5339	6.98	0.00	17619837				



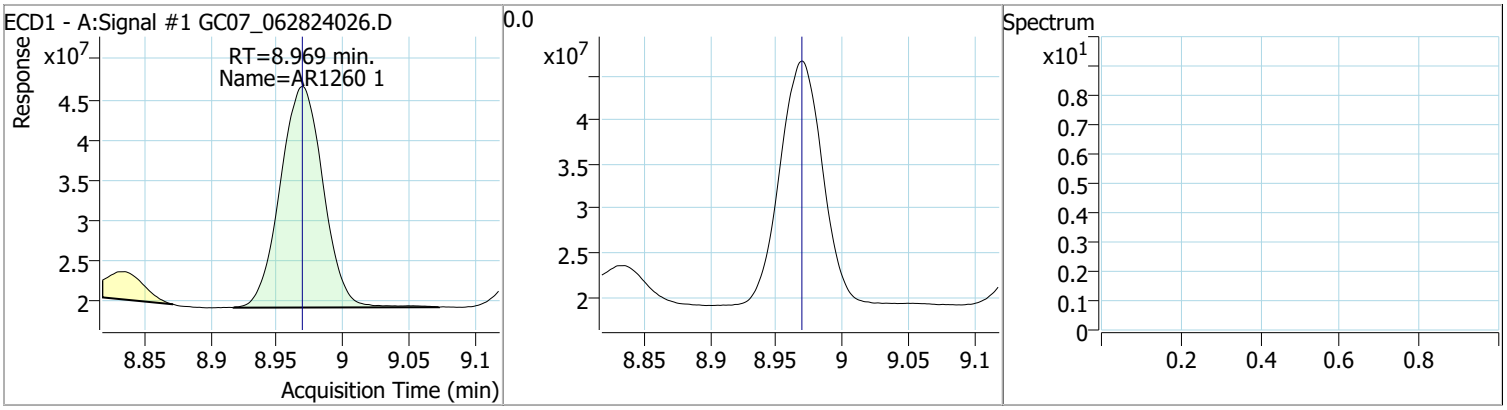
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AR1016 4 #2	864.3743	7.17	0.00	13022776				



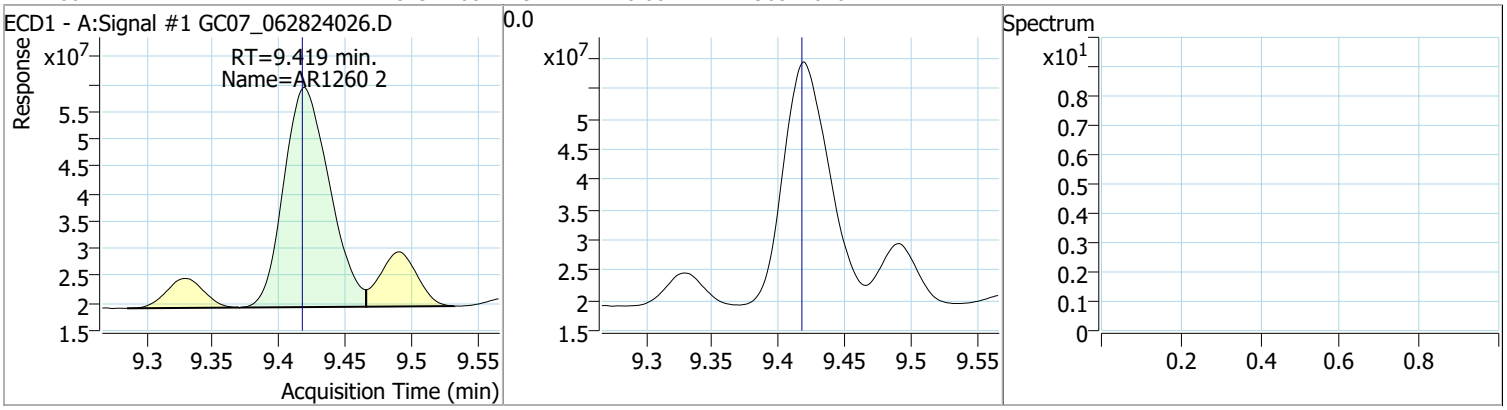
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	884.9935	7.91	0.00	10783865				



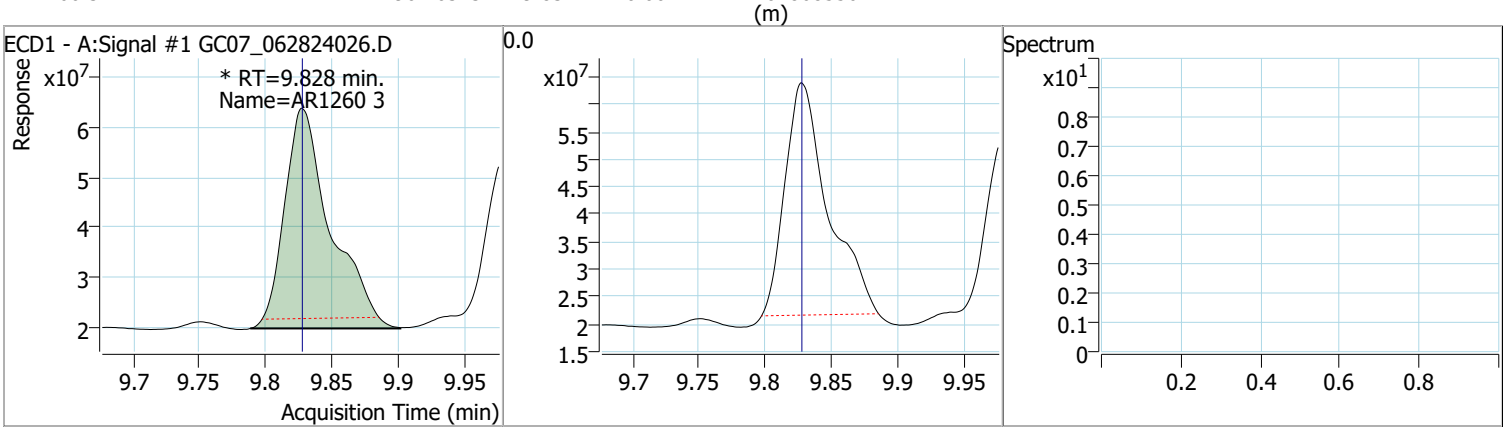
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	860.2643	8.97	0.00	62257475				



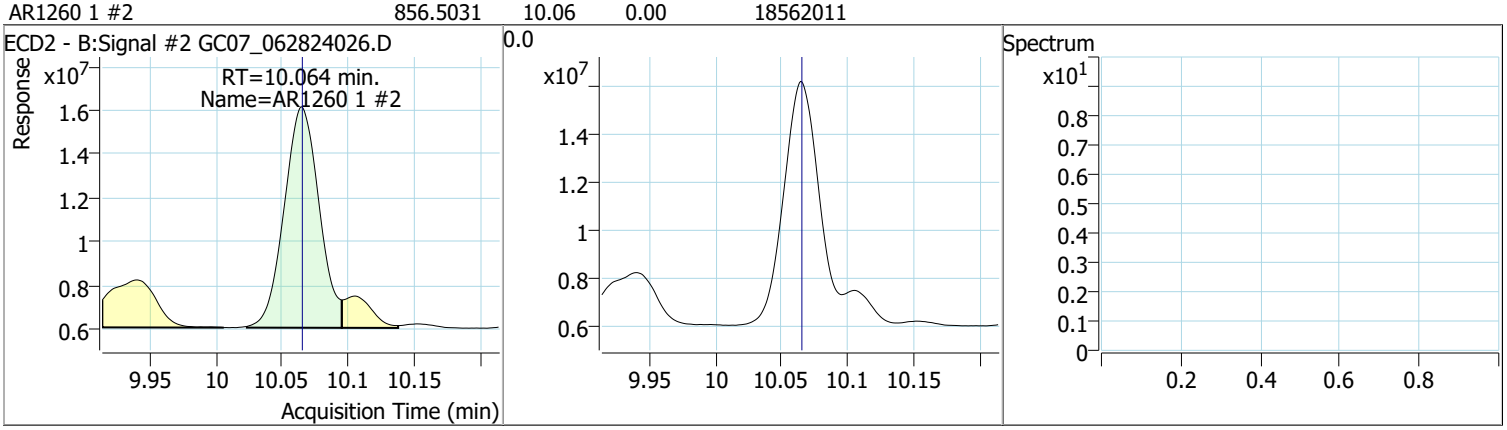
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	873.7408	9.42	0.00	96574670				



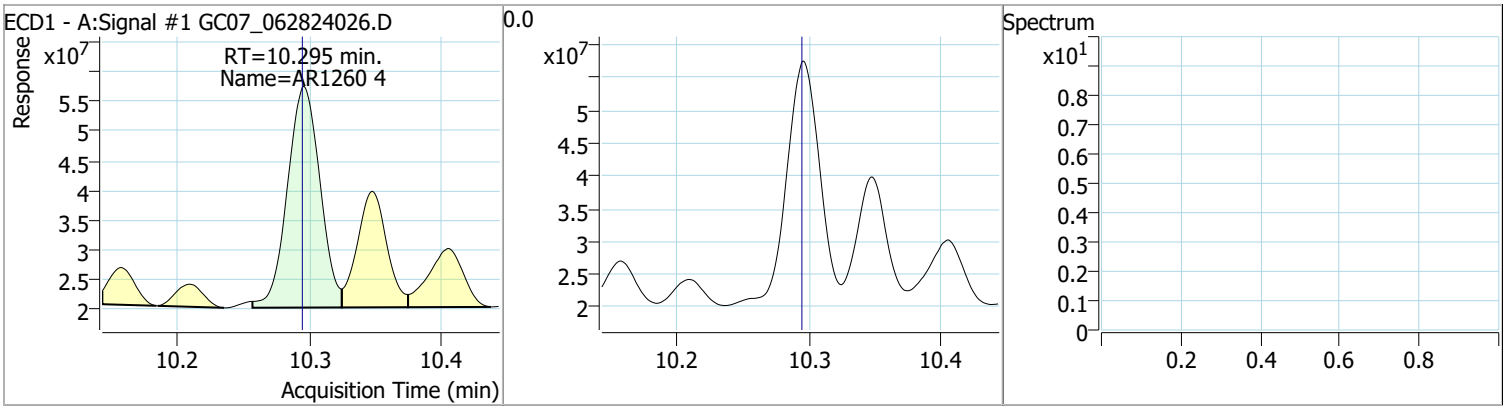
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	907.0323	9.83	0.00	107868556 (m)				



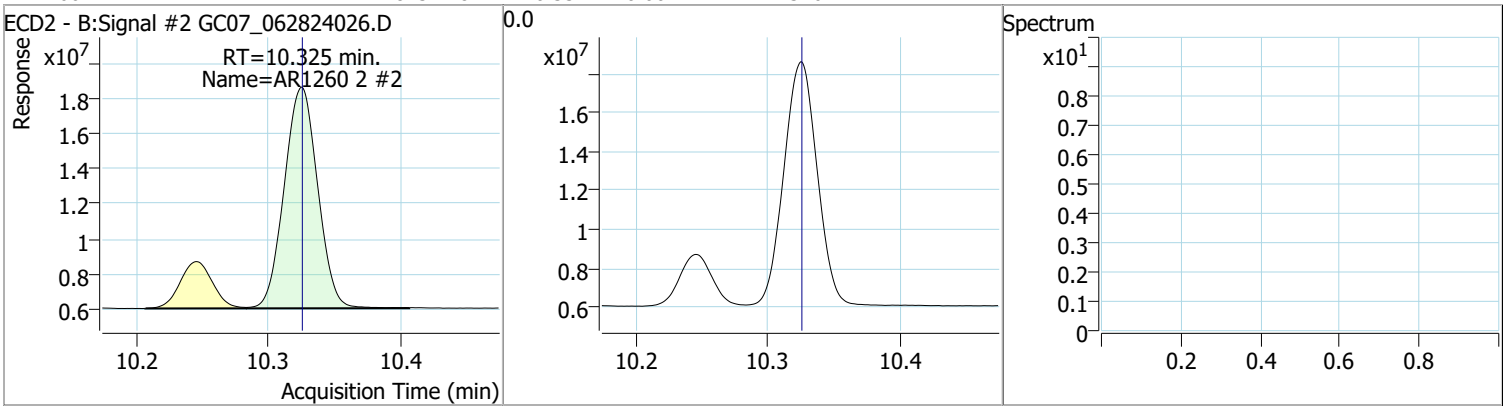
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	856.5031	10.06	0.00	18562011				



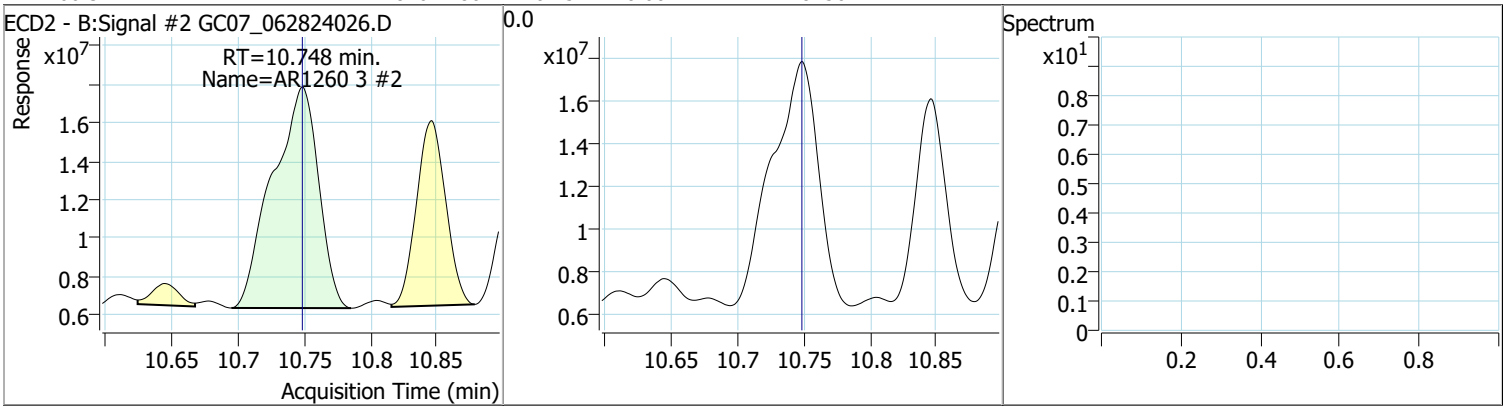
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	926.0476	10.30	0.00	63669929				



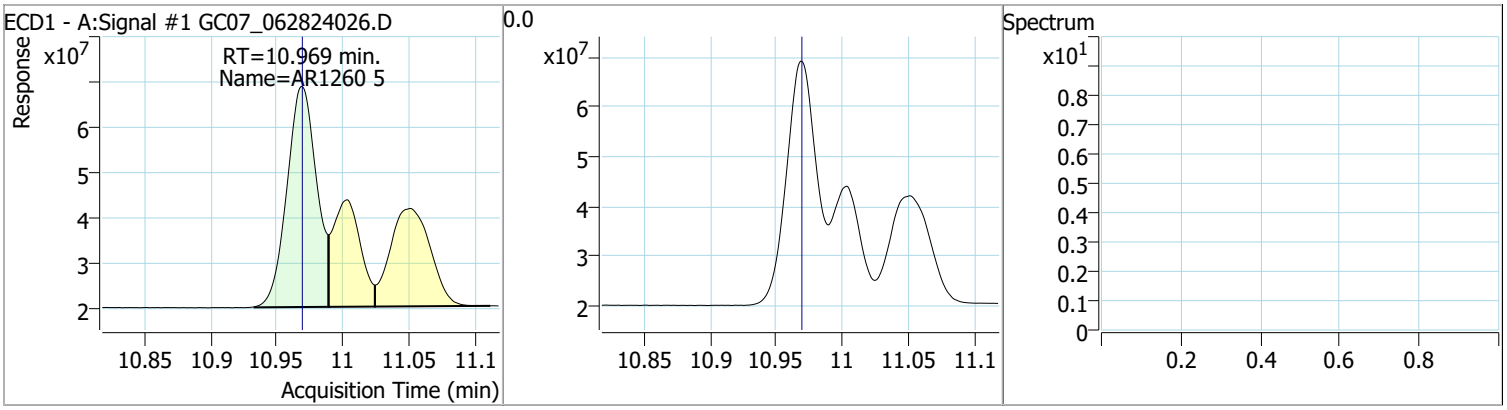
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	813.1181	10.33	0.00	22137647				



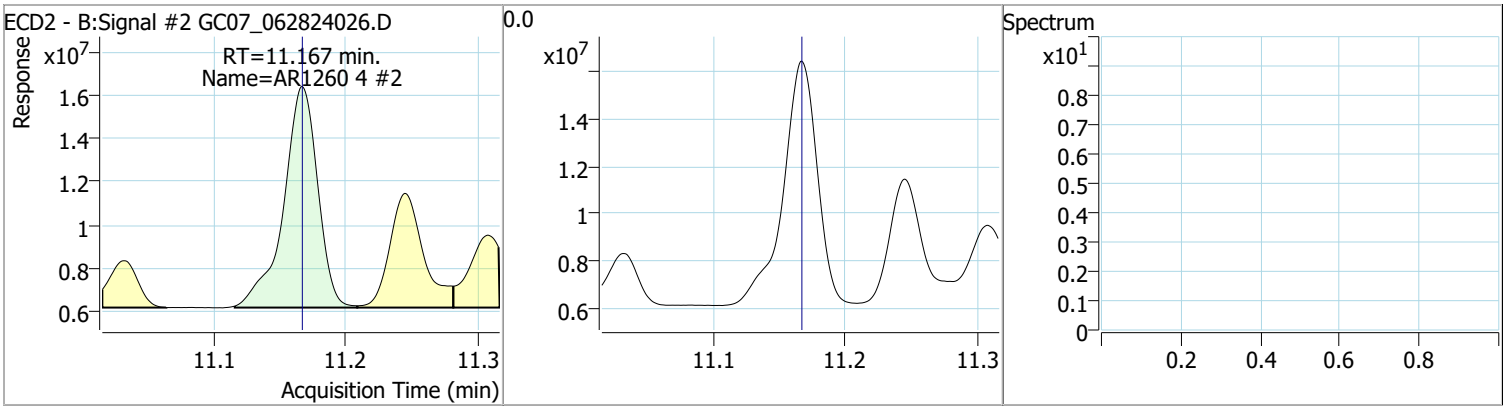
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	846.7180	10.75	0.00	27748156				



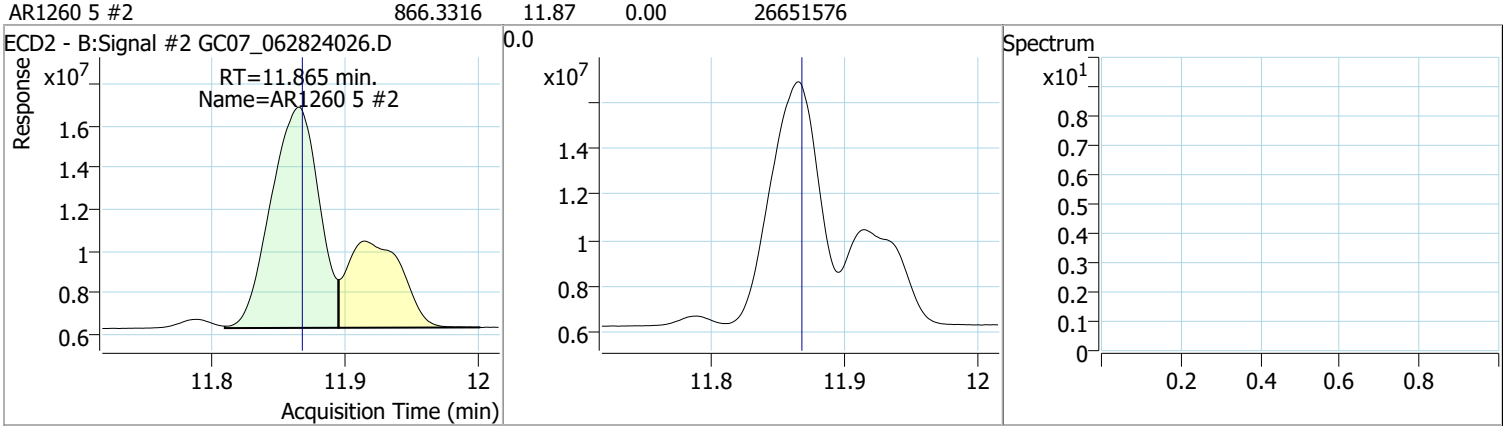
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	925.2302	10.97	0.00	76175017				



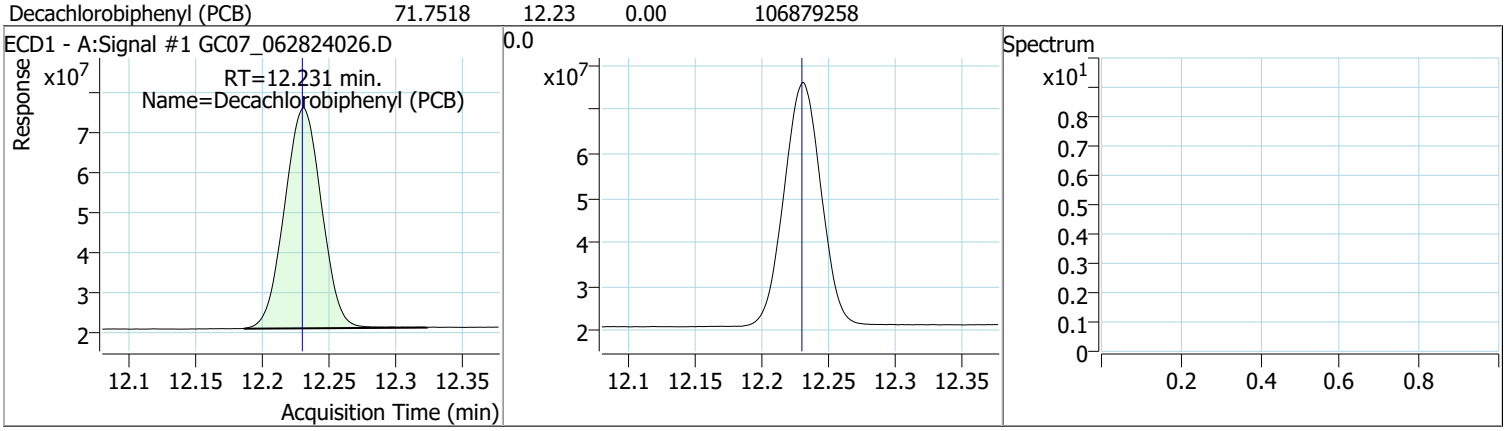
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	892.6833	11.17	0.00	18498356				



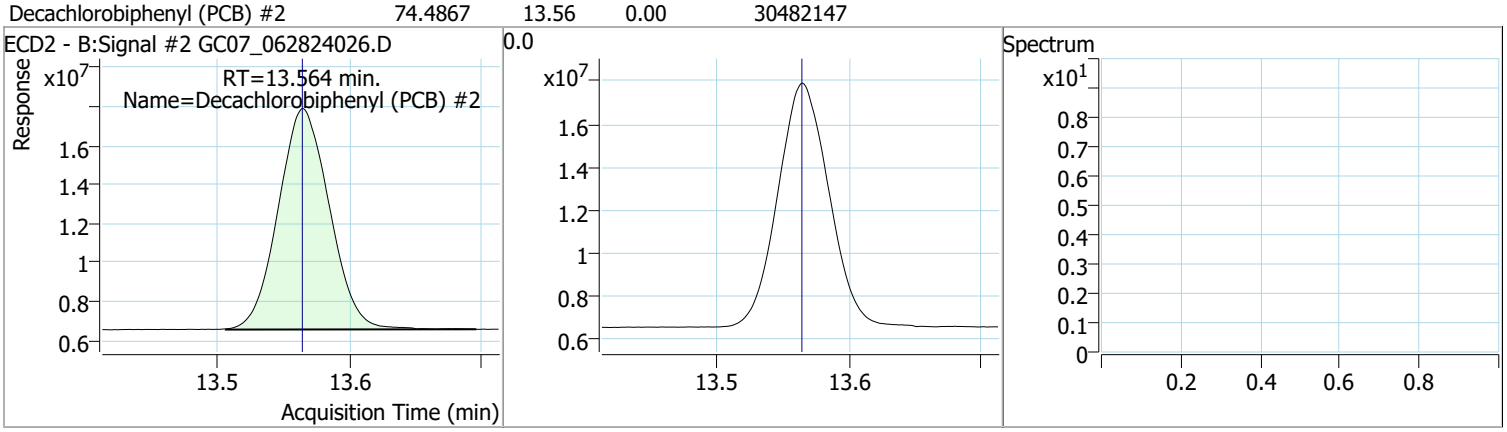
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	866.3316	11.87	0.00	26651576				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.7518	12.23	0.00	106879258				

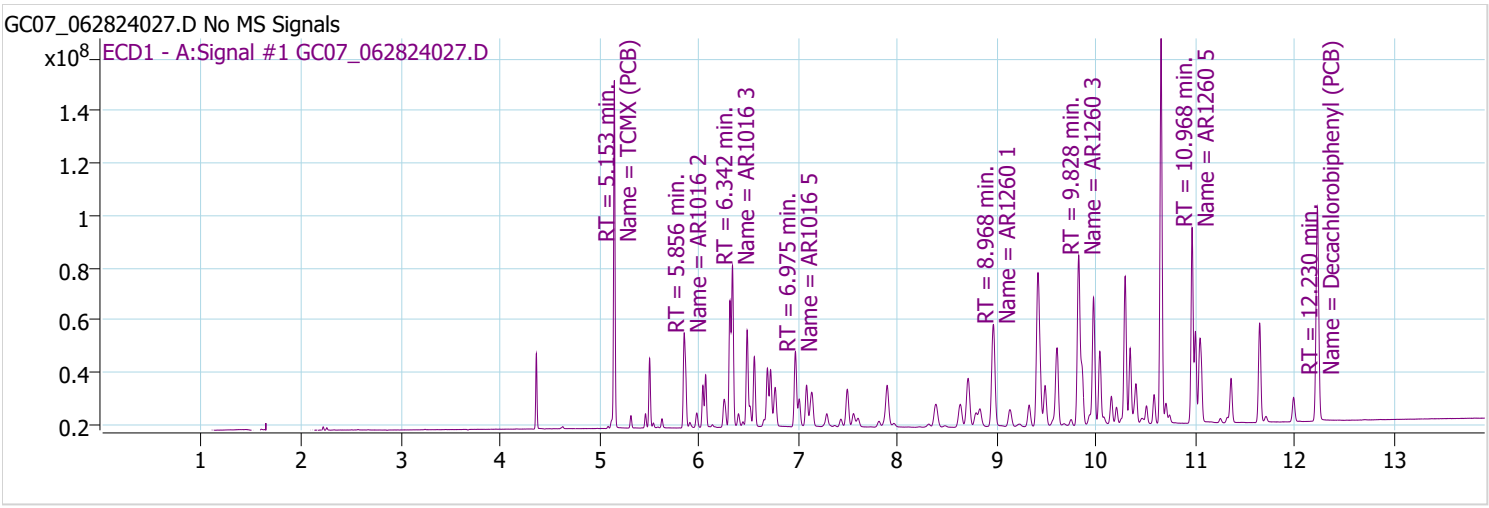


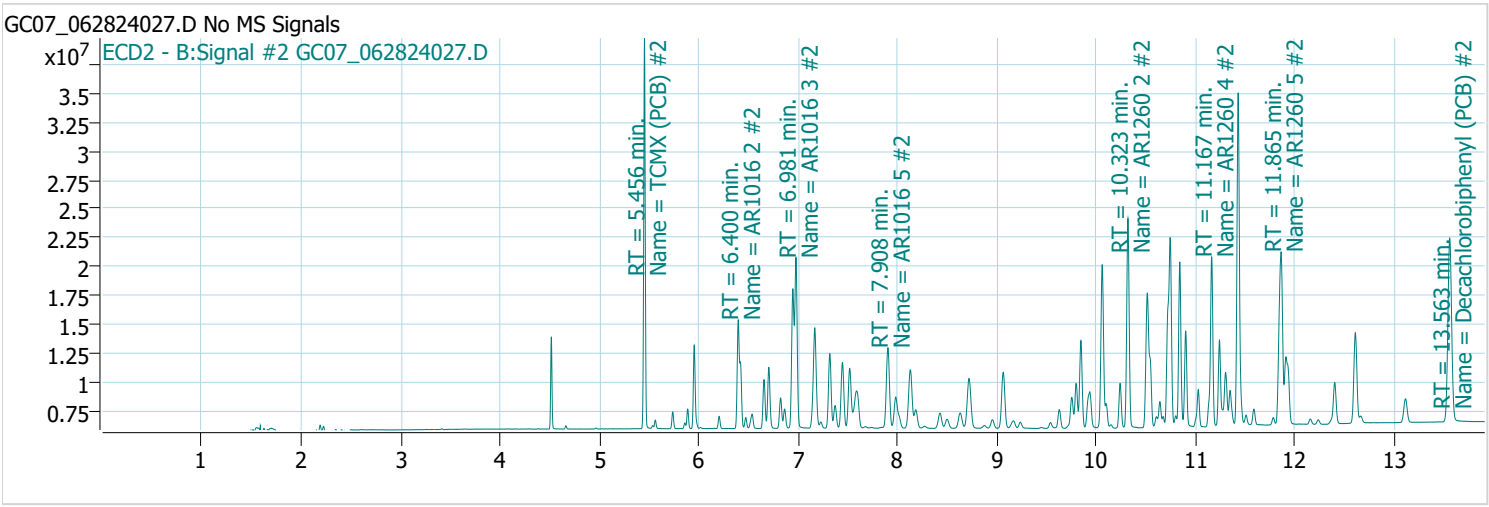
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4867	13.56	0.00	30482147				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:05:33 PM
Sample Name	ICAL, S20890	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



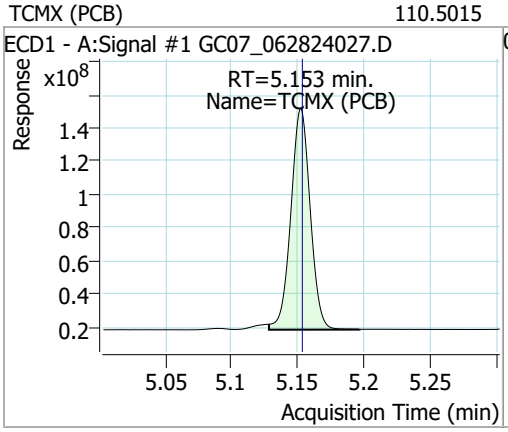


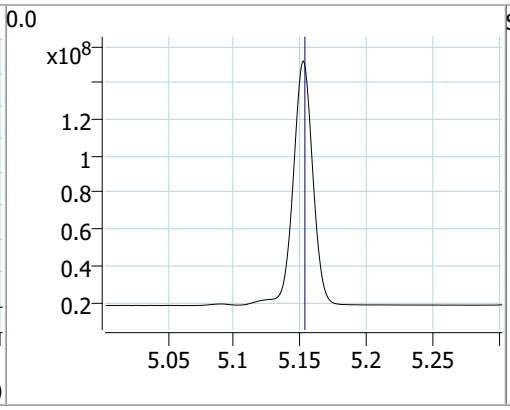
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	26211711.219	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7294805.701	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	135681797.289	110.5015	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.51%		*	
S TCMX (PCB) #2	5.456	0.0	36723935.035	104.9569	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 524.78%		*	
S Decachlorobiphenyl (PCB)	12.230	0.0	155357729.375	107.5017	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.51%		*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	42099380.579	105.6404	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.20%		*	
Target Compounds							QValue

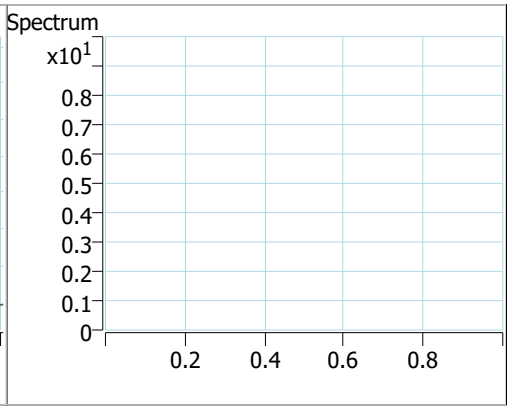
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	30104761.462	1313.9569	ng/ml		100
T AR1016 2	5.856	0.0	63081832.476	1325.3393	ng/ml		100
T AR1016 1 #2	5.957	0.0	9574280.617	1243.0500	ng/ml		100
T AR1016 3	6.342	0.0	85766826.801	1436.2802	ng/ml		100
T AR1016 2 #2	6.400	0.0	20333722.083	1277.7767	ng/ml		100
T AR1016 4	6.489	0.0	53404058.941	1340.8925	ng/ml	m	100
T AR1016 5	6.975	0.0	47712618.799	1362.8914	ng/ml		100
T AR1016 3 #2	6.981	0.0	24950565.990	1257.1344	ng/ml		100
T AR1016 4 #2	7.171	0.0	18481664.733	1259.6810	ng/ml		100
T AR1016 5 #2	7.908	0.0	15343346.463	1293.0250	ng/ml		100
T AR1260 1	8.968	0.0	91727497.794	1306.4208	ng/ml		100
T AR1260 2	9.418	0.0	141892353.087	1323.1879	ng/ml		100
T AR1260 3	9.828	0.0	160895089.250	1394.4850	ng/ml	m	100
T AR1260 1 #2	10.064	0.0	26442213.466	1252.9188	ng/ml		100
T AR1260 4	10.295	0.0	94070300.316	1410.2453	ng/ml		100
T AR1260 2 #2	10.323	0.0	31331561.157	1181.7495	ng/ml		100
T AR1260 3 #2	10.748	0.0	39486596.992	1237.3016	ng/ml		100
T AR1260 5	10.968	0.0	111423646.768	1394.9472	ng/ml		100
T AR1260 4 #2	11.167	0.0	25930171.003	1284.9637	ng/ml		100
T AR1260 5 #2	11.865	0.0	37619666.249	1255.7334	ng/ml		100

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

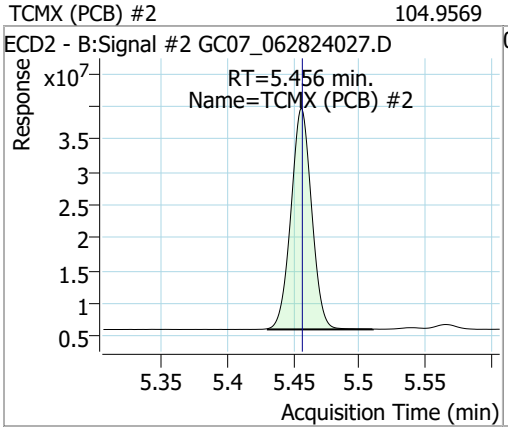
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5015	5.15	0.00	135681797				

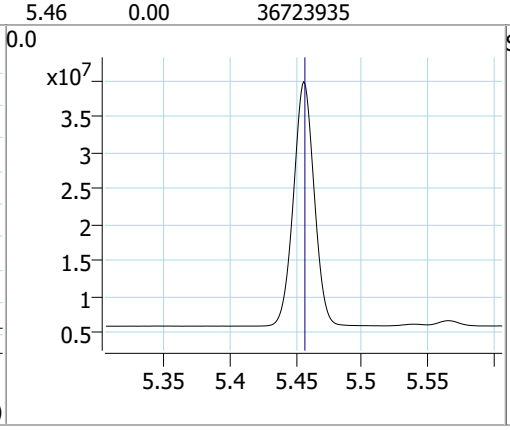


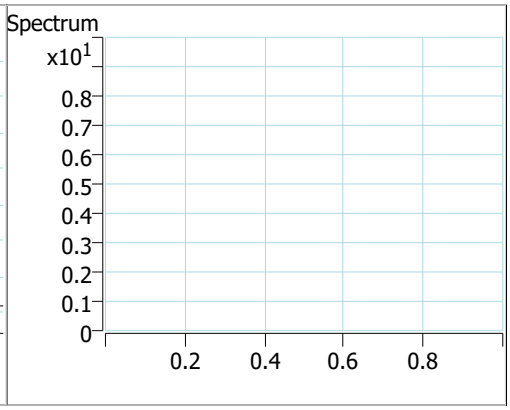




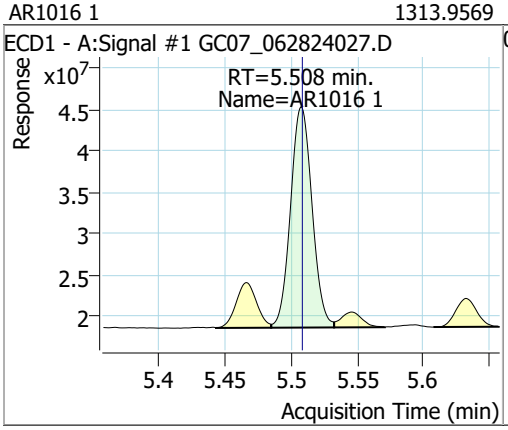
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	104.9569	5.46	0.00	36723935				

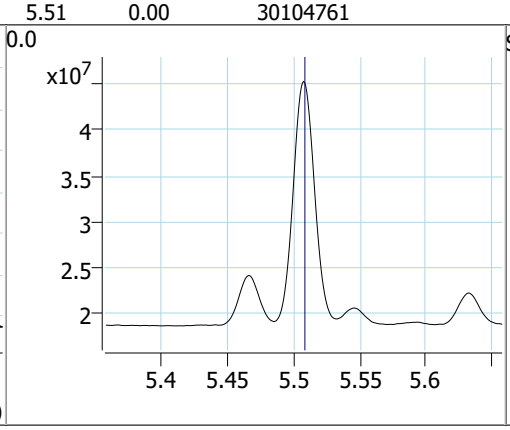


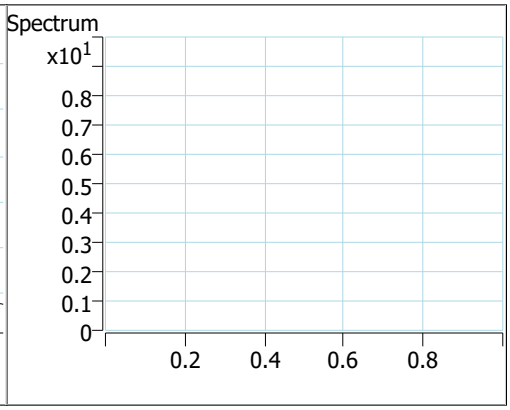




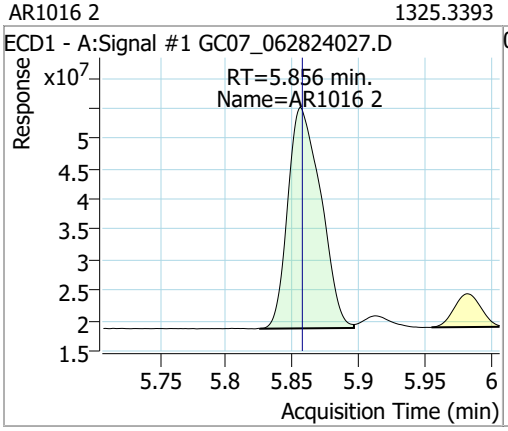
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1313.9569	5.51	0.00	30104761				

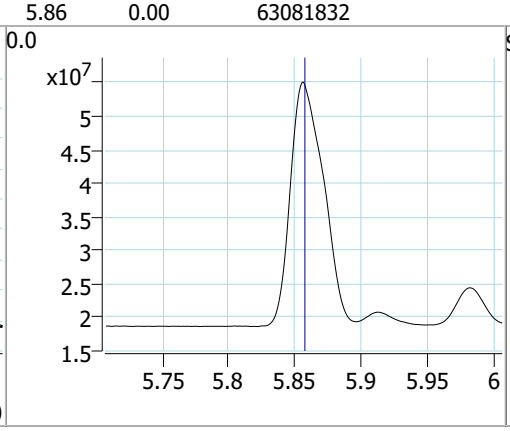


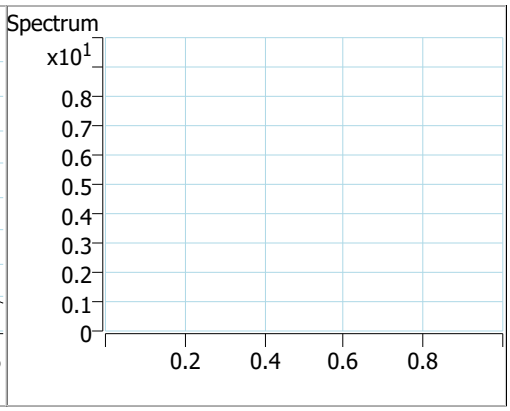




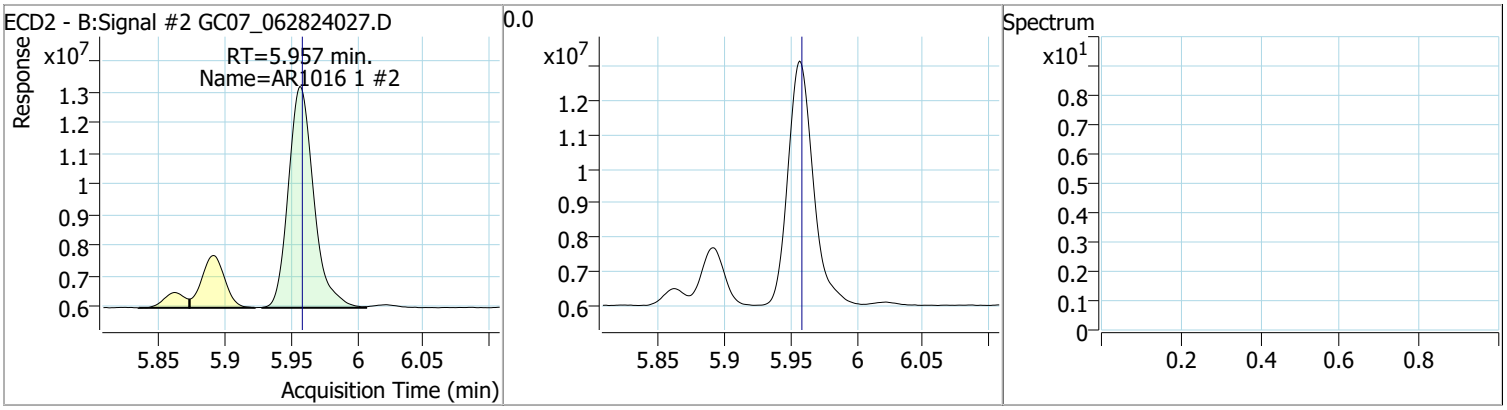
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1325.3393	5.86	0.00	63081832				



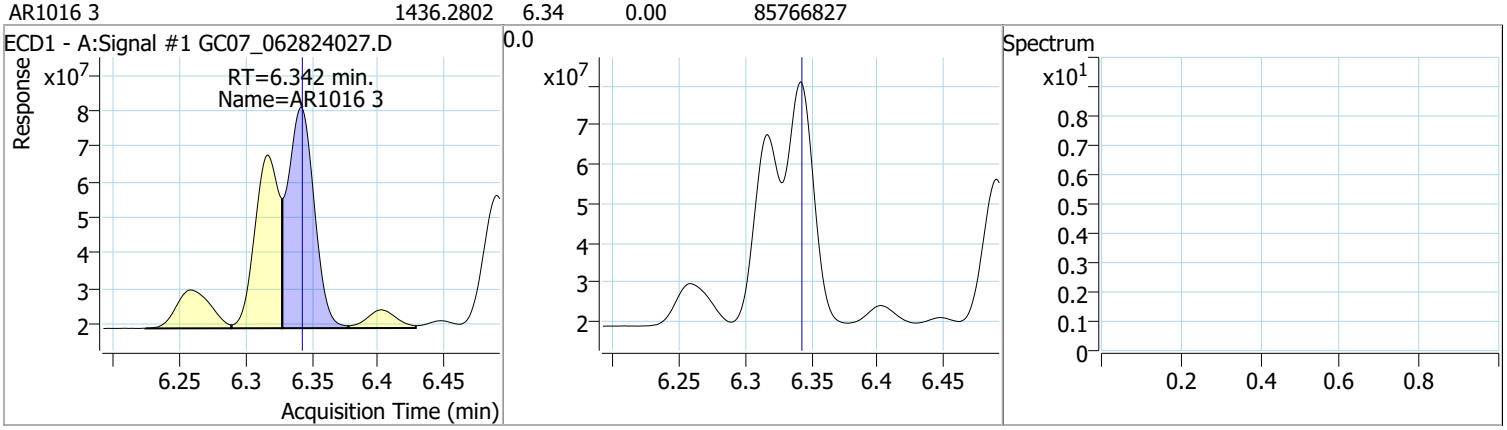




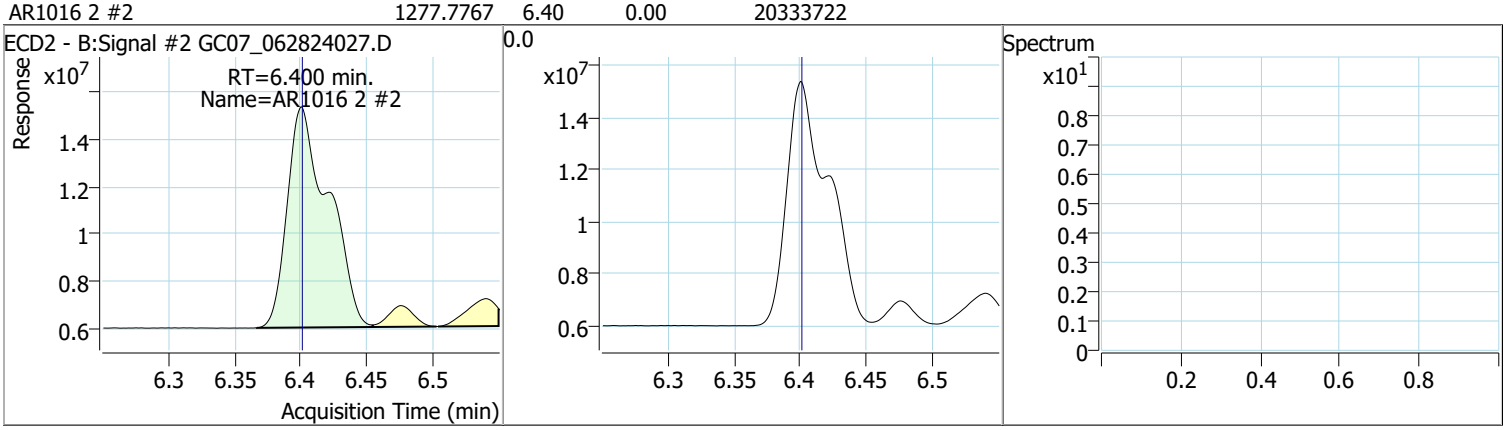
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AR1016 1 #2	1243.0500	5.96	0.00	9574281				



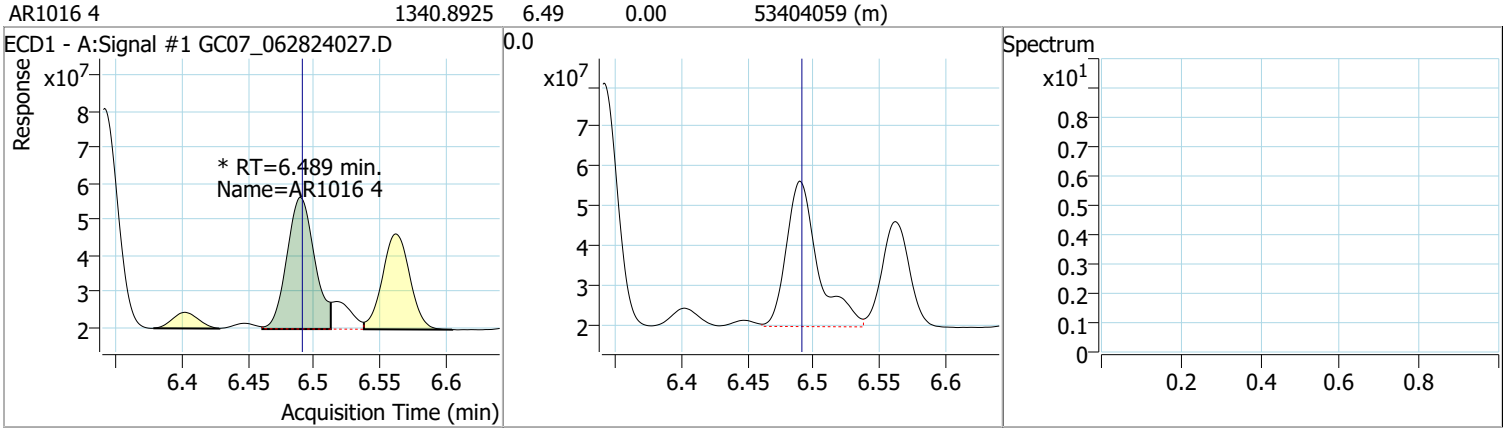
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1436.2802	6.34	0.00	85766827				



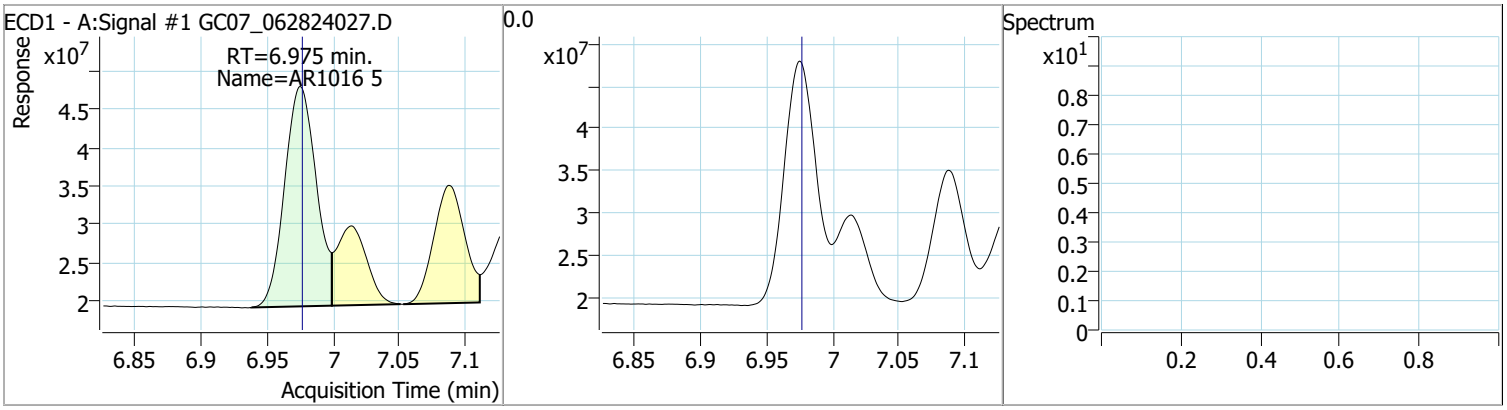
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1277.7767	6.40	0.00	20333722				



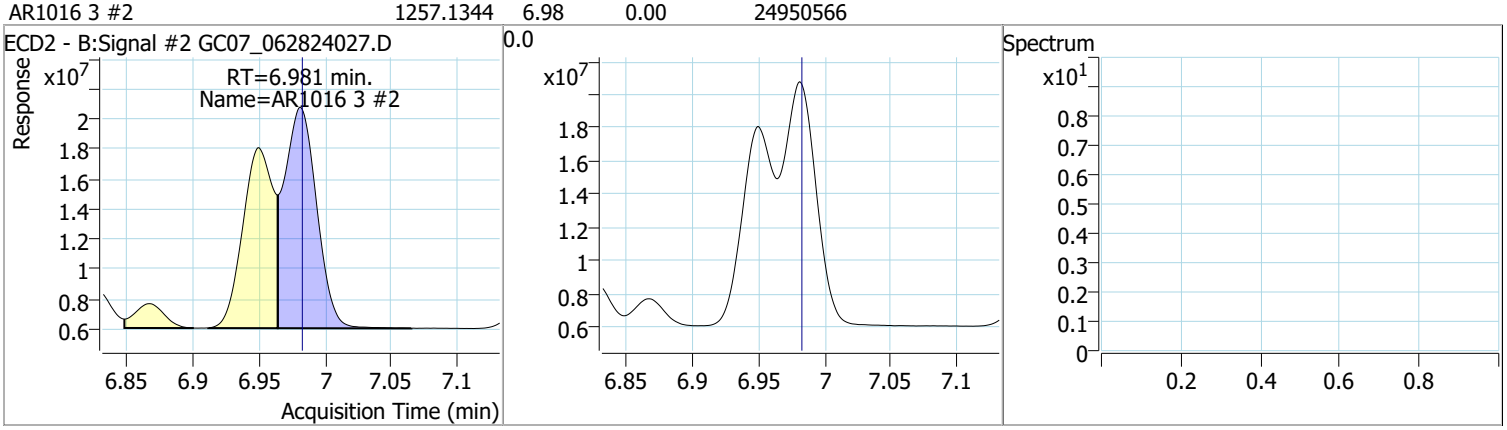
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1340.8925	6.49	0.00	53404059 (m)				



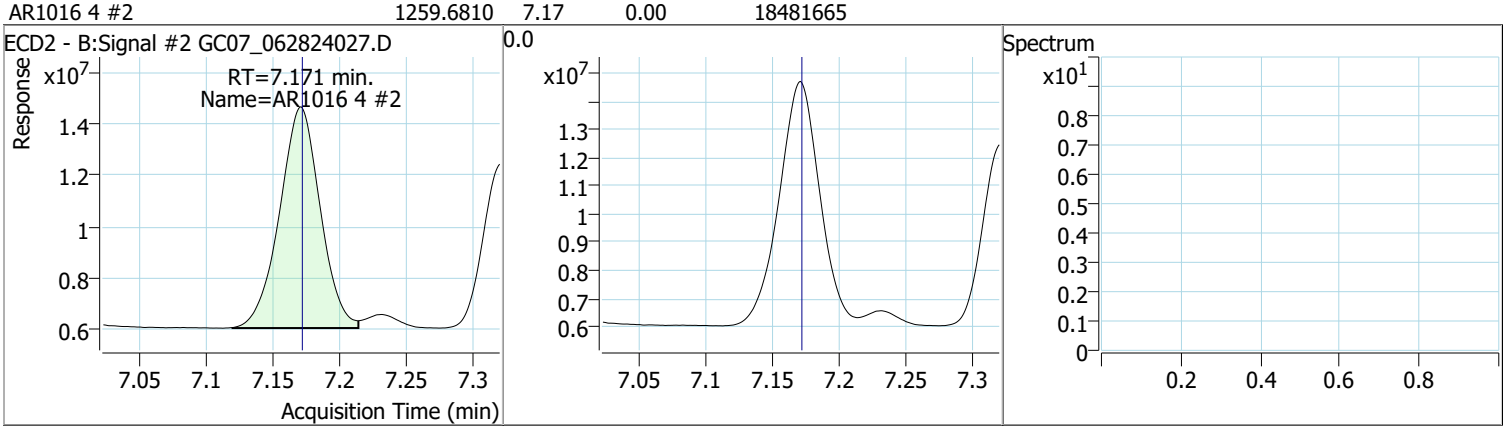
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1362.8914	6.98	0.00	47712619				



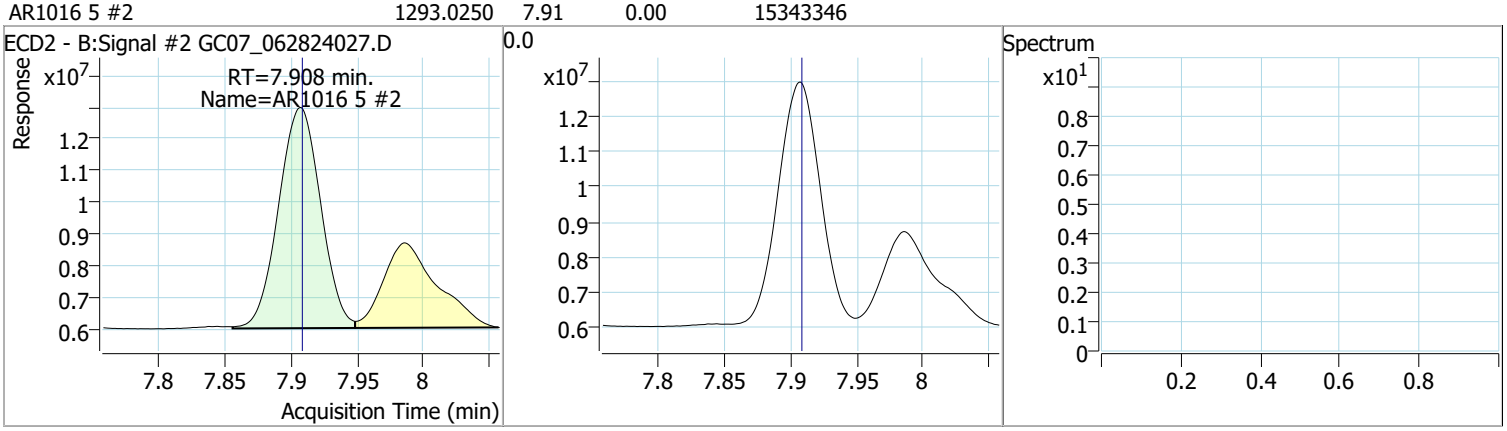
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1257.1344	6.98	0.00	24950566				



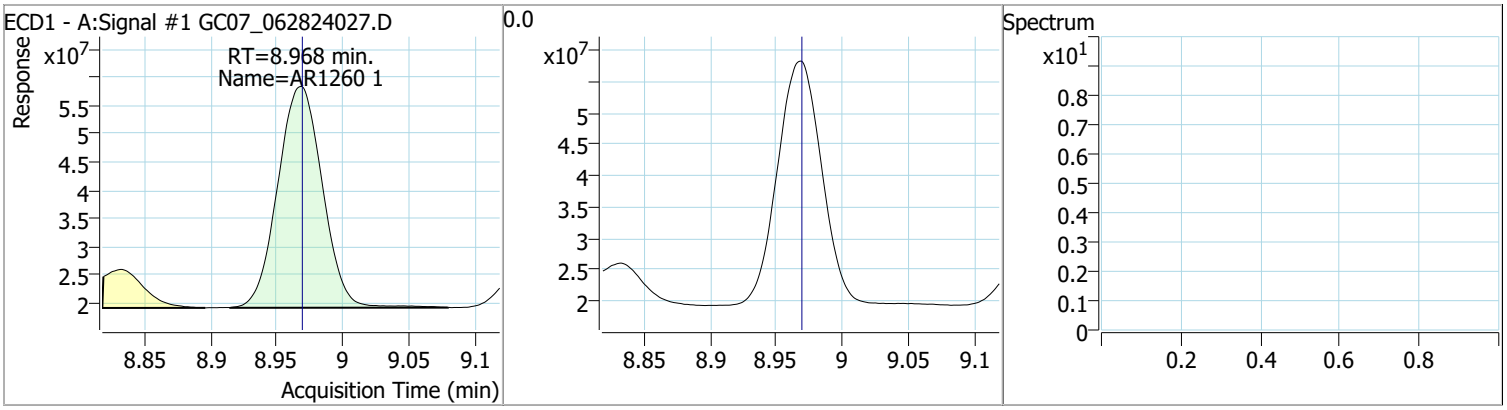
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1259.6810	7.17	0.00	18481665				



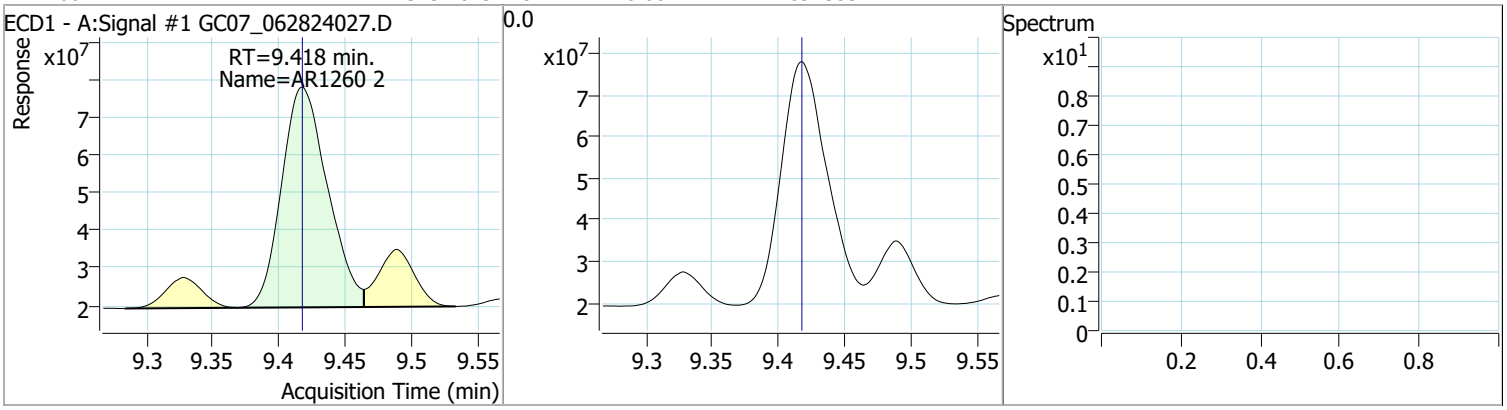
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1293.0250	7.91	0.00	15343346				



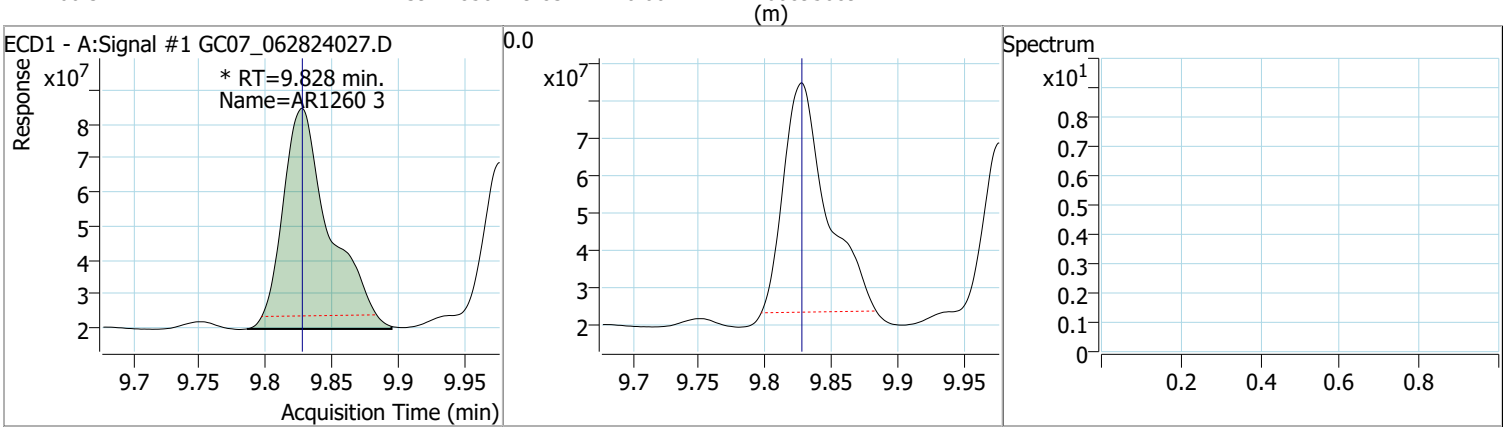
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1306.4208	8.97	0.00	91727498				



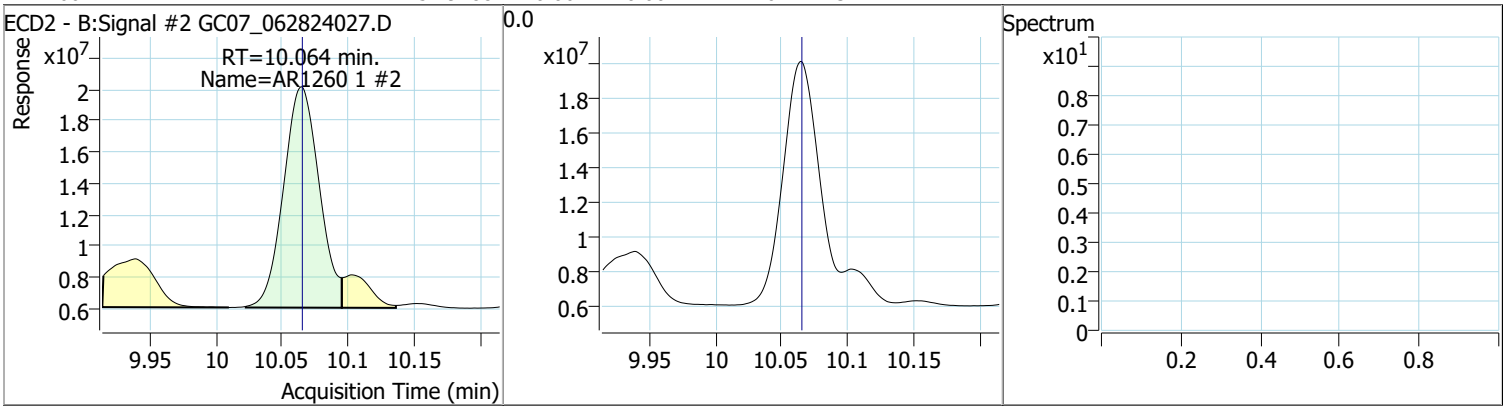
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1323.1879	9.42	0.00	141892353				



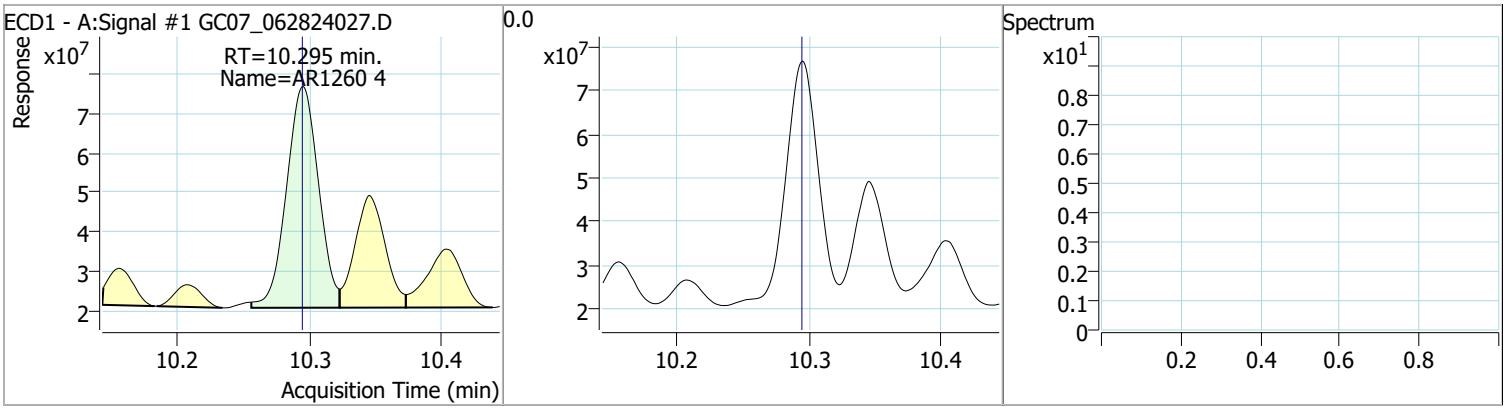
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1394.4850	9.83	0.00	160895089 (m)				



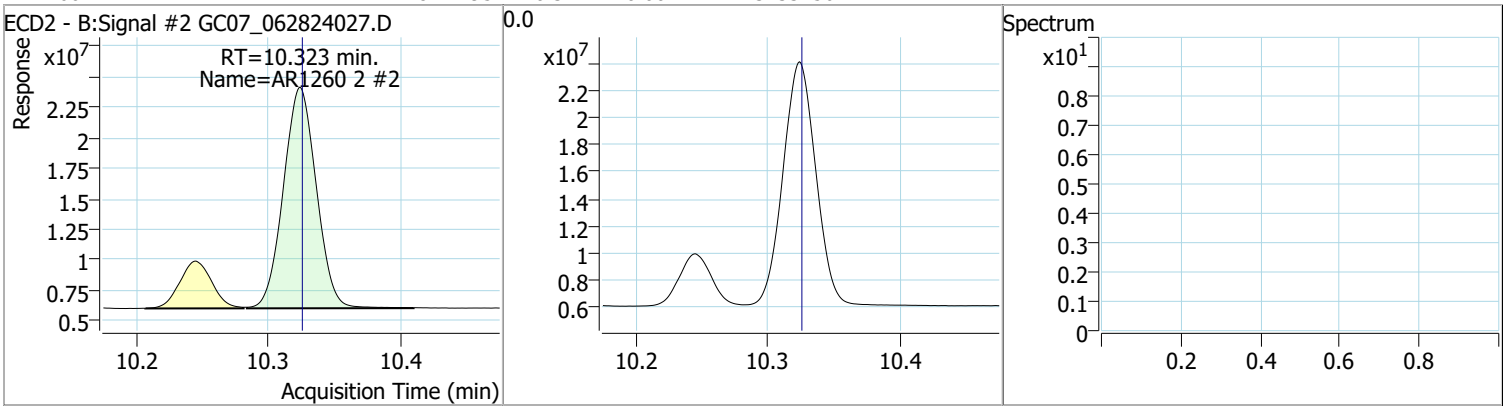
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1252.9188	10.06	0.00	26442213				



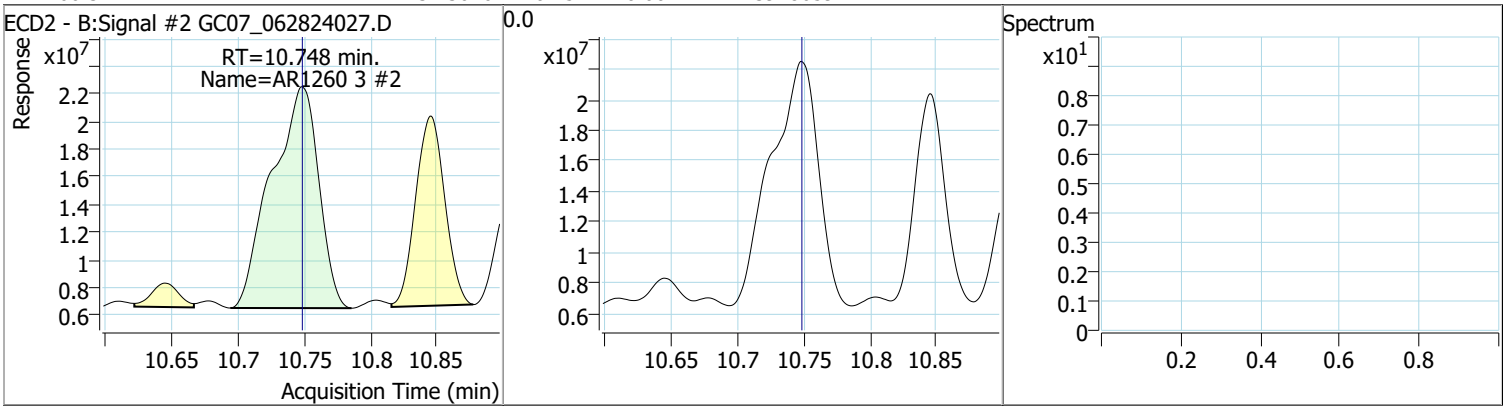
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1410.2453	10.30	0.00	94070300				



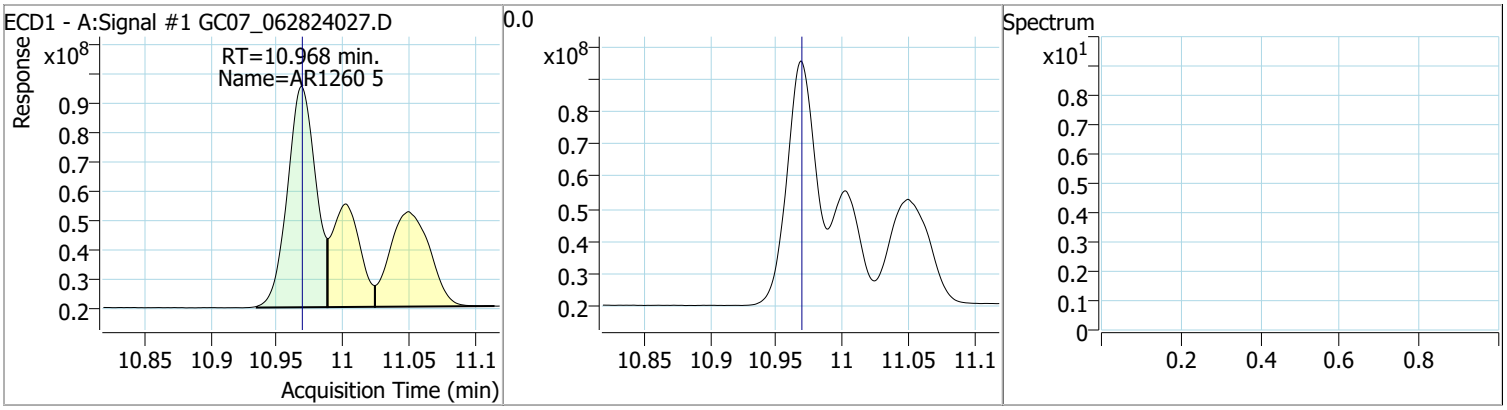
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1181.7495	10.32	0.00	31331561				



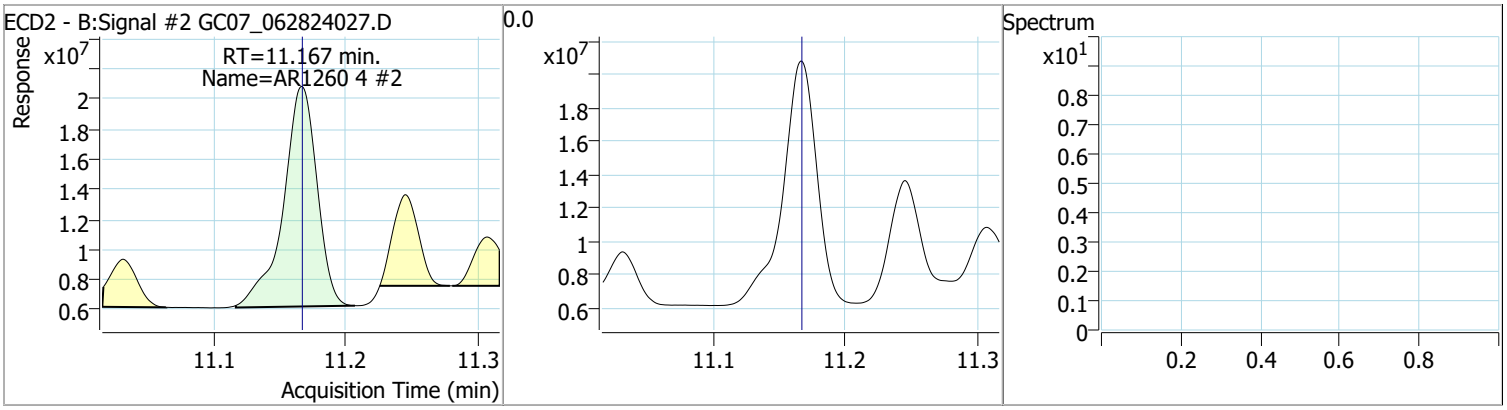
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1237.3016	10.75	0.00	39486597				



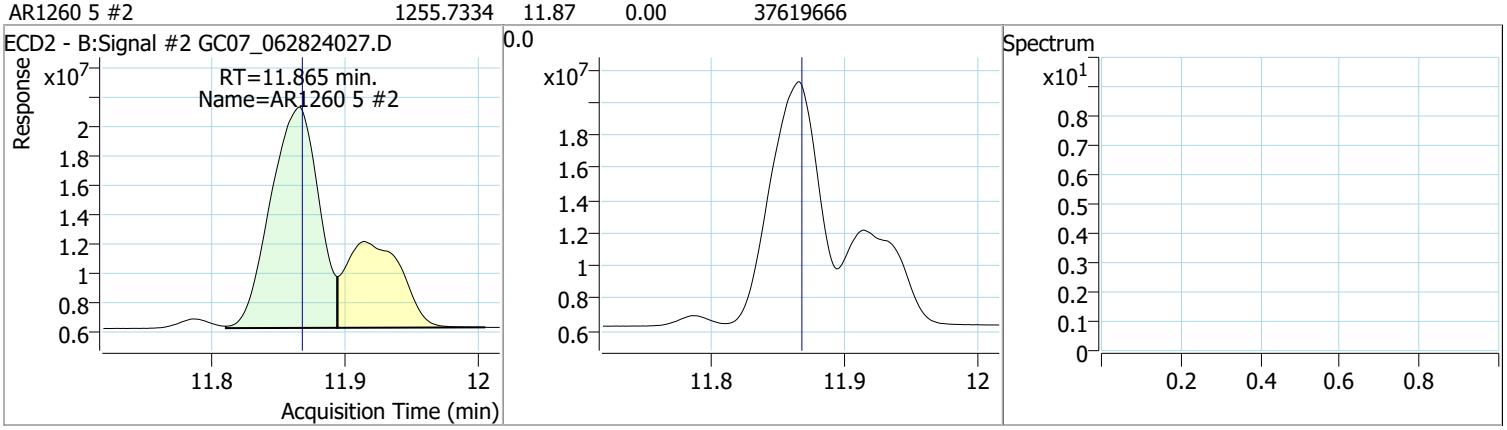
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1394.9472	10.97	0.00	111423647				



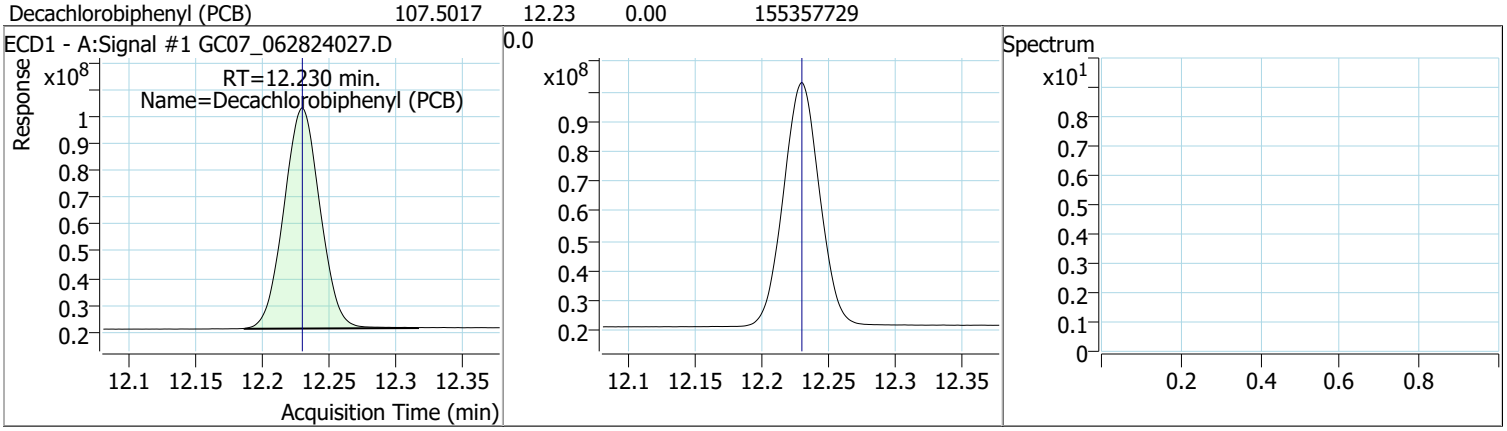
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.9637	11.17	0.00	25930171				



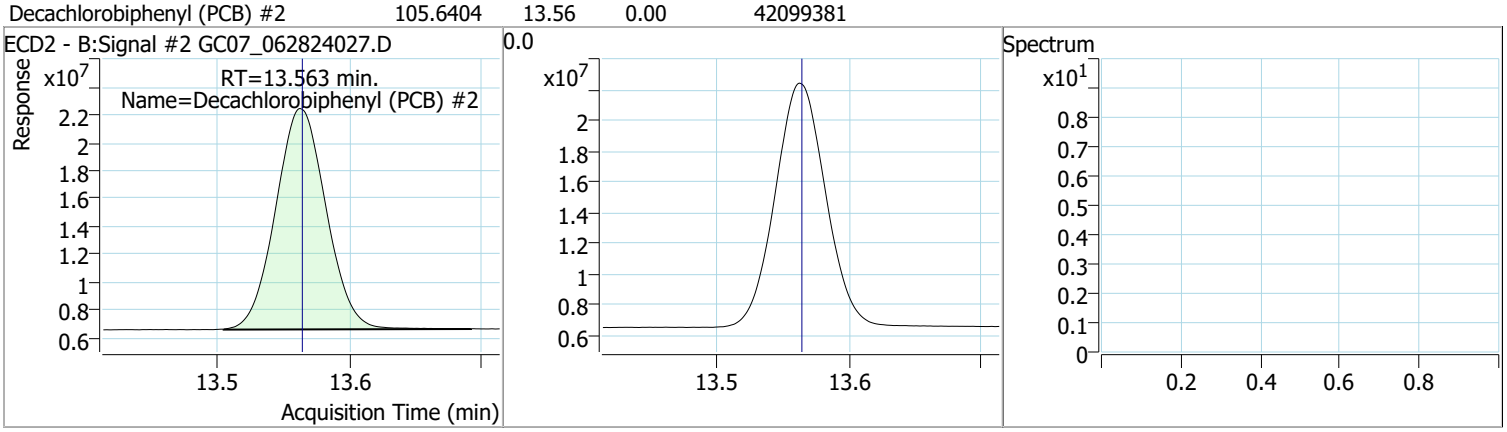
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1255.7334	11.87	0.00	37619666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	107.5017	12.23	0.00	155357729				

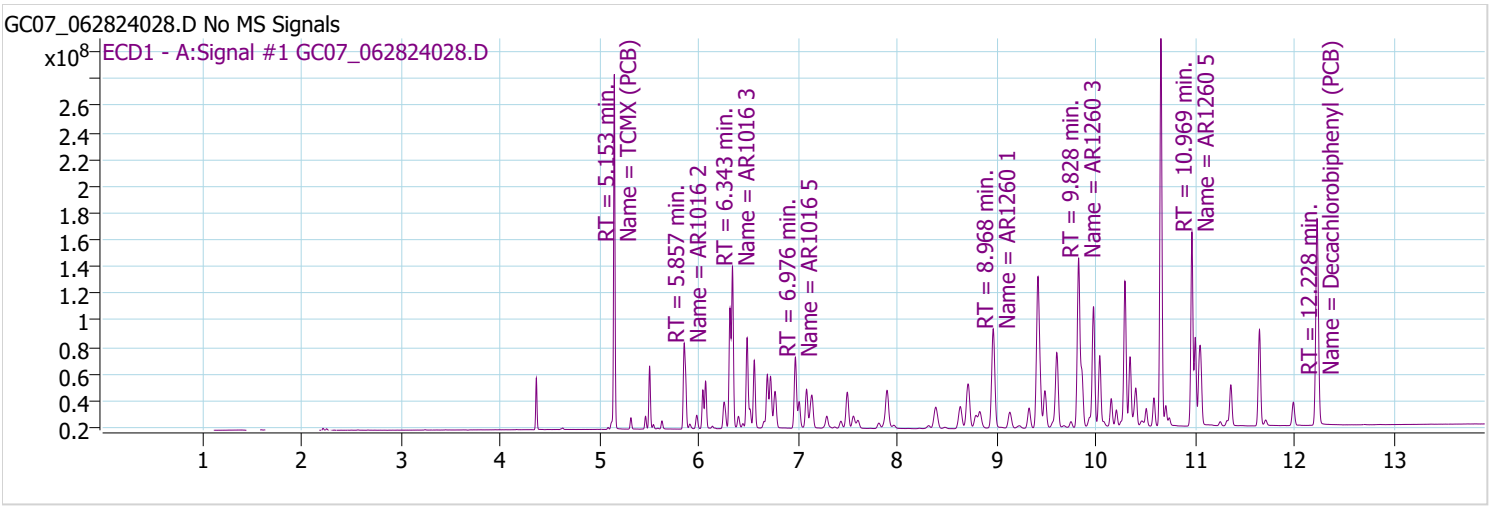


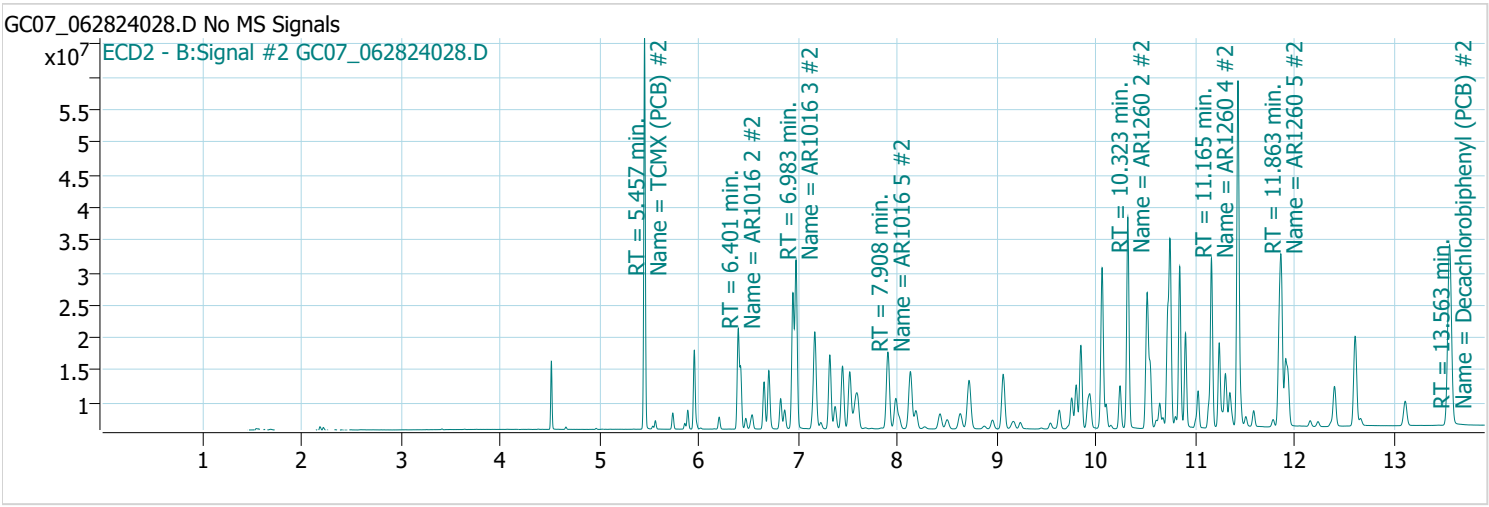
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.6404	13.56	0.00	42099381				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:22:59 PM
Sample Name	ICAL, S20891	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



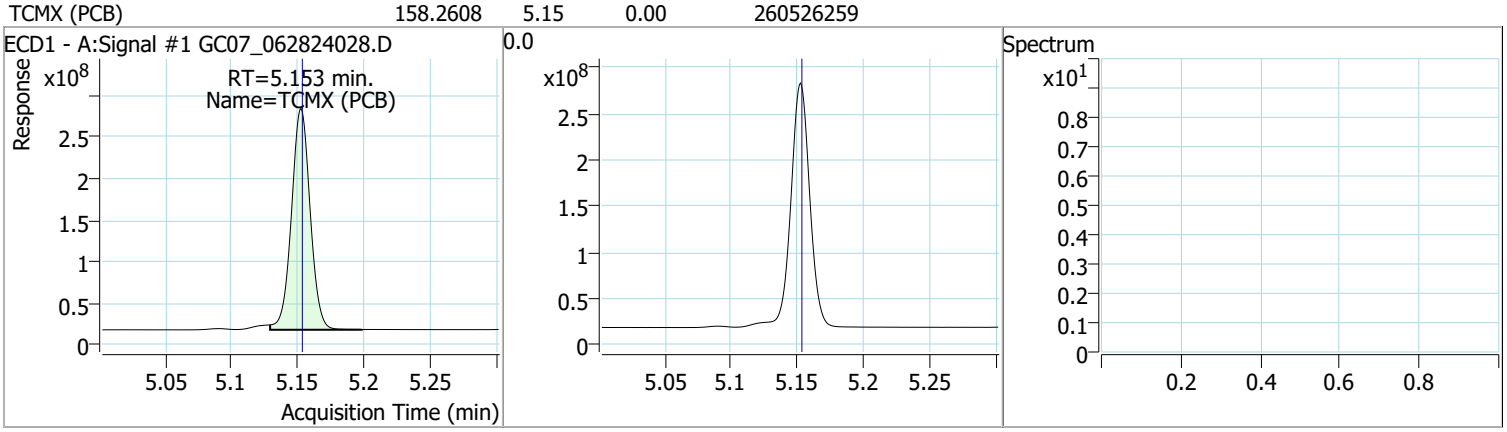


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	35141495.053	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9716811.524	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.153	0.0	260526258.805	158.2608	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 791.30%		*	
S TCMX (PCB) #2	5.457	0.0	66022527.886	141.6590	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.29%		*	
S Decachlorobiphenyl (PCB)	12.228	0.0	295093471.364	152.3061	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 761.53%		*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	75083389.429	141.4452	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.23%		*	
Target Compounds							QValue

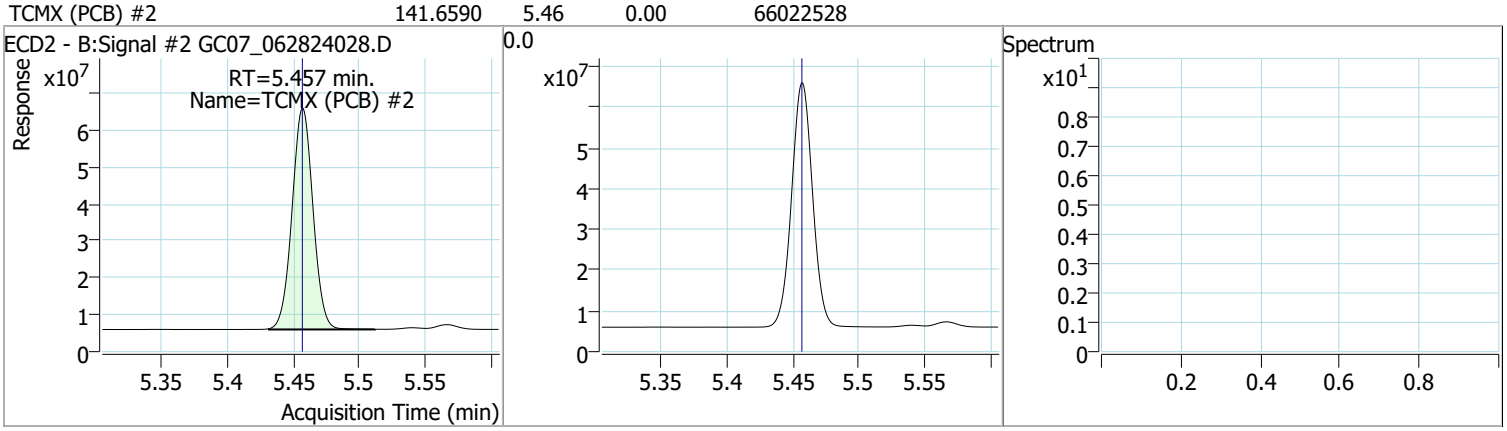
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	52797819.765	1718.8463	ng/ml		100
T AR1016 2	5.857	0.0	111345883.541	1744.9062	ng/ml		100
T AR1016 1 #2	5.958	0.0	16229620.465	1581.9063	ng/ml		100
T AR1016 3	6.343	0.0	158970350.988	1985.6885	ng/ml	m	100
T AR1016 2 #2	6.401	0.0	34600333.701	1632.3314	ng/ml		100
T AR1016 4	6.490	0.0	98962762.106	1853.3892	ng/ml	m	100
T AR1016 5	6.976	0.0	87157456.964	1856.9819	ng/ml		100
T AR1016 3 #2	6.983	0.0	43534275.009	1646.7307	ng/ml		100
T AR1016 4 #2	7.171	0.0	31722770.502	1623.2318	ng/ml		100
T AR1016 5 #2	7.908	0.0	26389484.266	1669.5818	ng/ml		100
T AR1260 1	8.968	0.0	163694033.664	1738.9678	ng/ml		100
T AR1260 2	9.419	0.0	262121139.076	1823.2227	ng/ml		100
T AR1260 3	9.828	0.0	300188552.398	1940.6192	ng/ml		100
T AR1260 1 #2	10.064	0.0	45427087.547	1615.9576	ng/ml		100
T AR1260 4	10.294	0.0	177019455.562	1979.4214	ng/ml		100
T AR1260 2 #2	10.323	0.0	54314494.749	1537.9743	ng/ml		100
T AR1260 3 #2	10.747	0.0	68953559.513	1622.0809	ng/ml		100
T AR1260 5	10.969	0.0	212918830.025	1988.2437	ng/ml		100
T AR1260 4 #2	11.165	0.0	46064500.554	1713.7276	ng/ml		100
T AR1260 5 #2	11.863	0.0	66563997.777	1668.0607	ng/ml		100

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

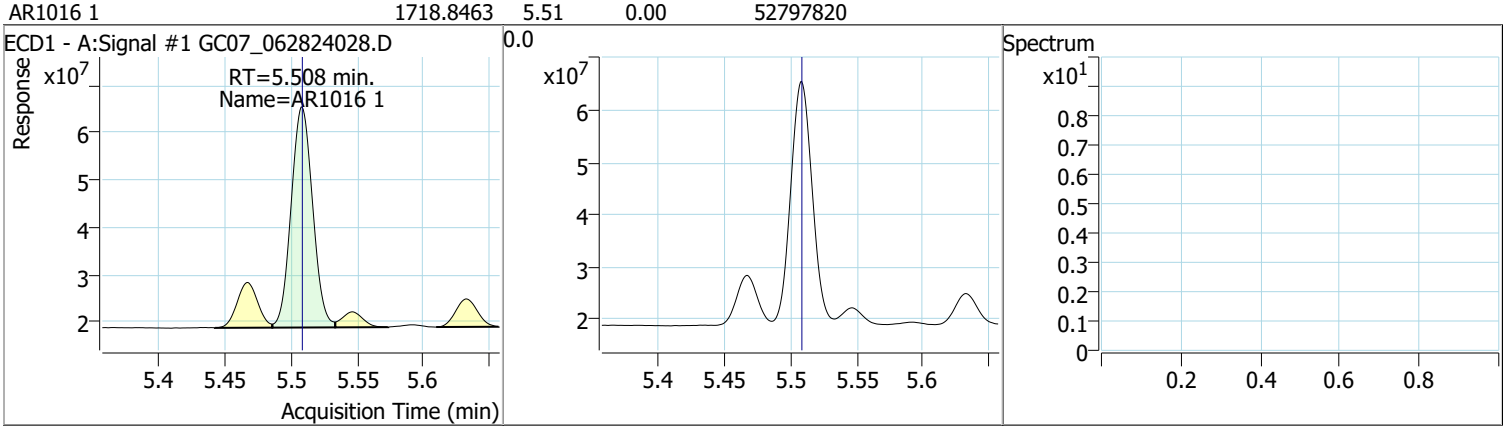
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	158.2608	5.15	0.00	260526259				



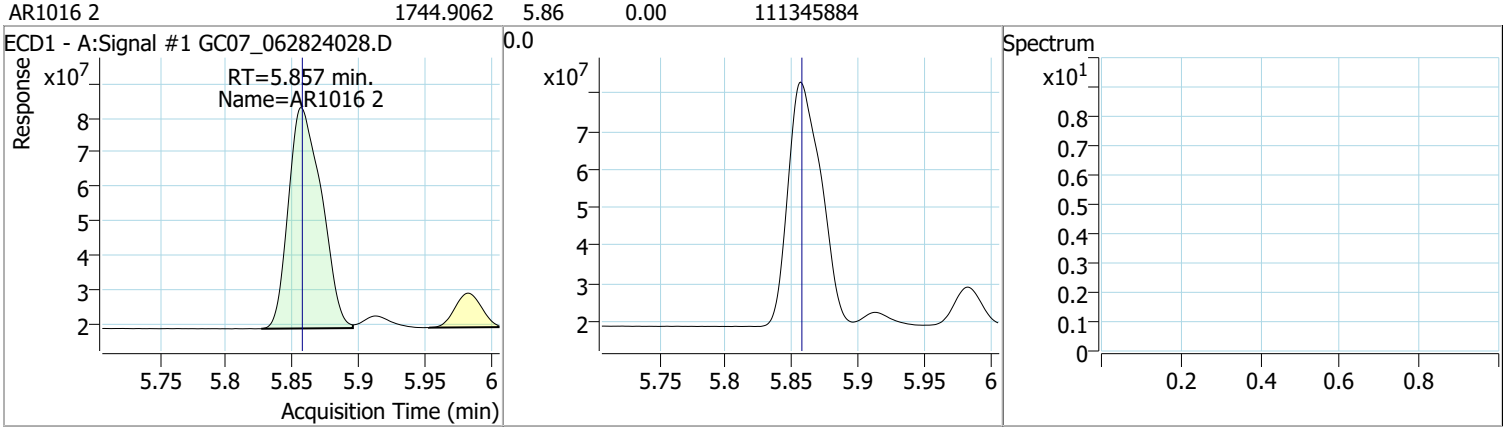
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TCMX (PCB) #2	141.6590	5.46	0.00	66022528				



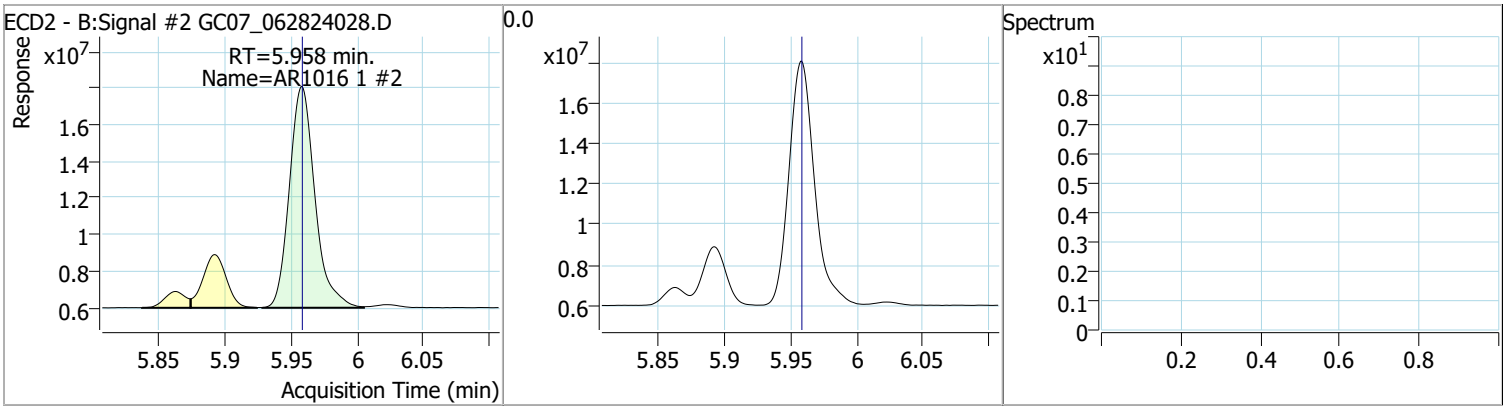
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1718.8463	5.51	0.00	52797820				



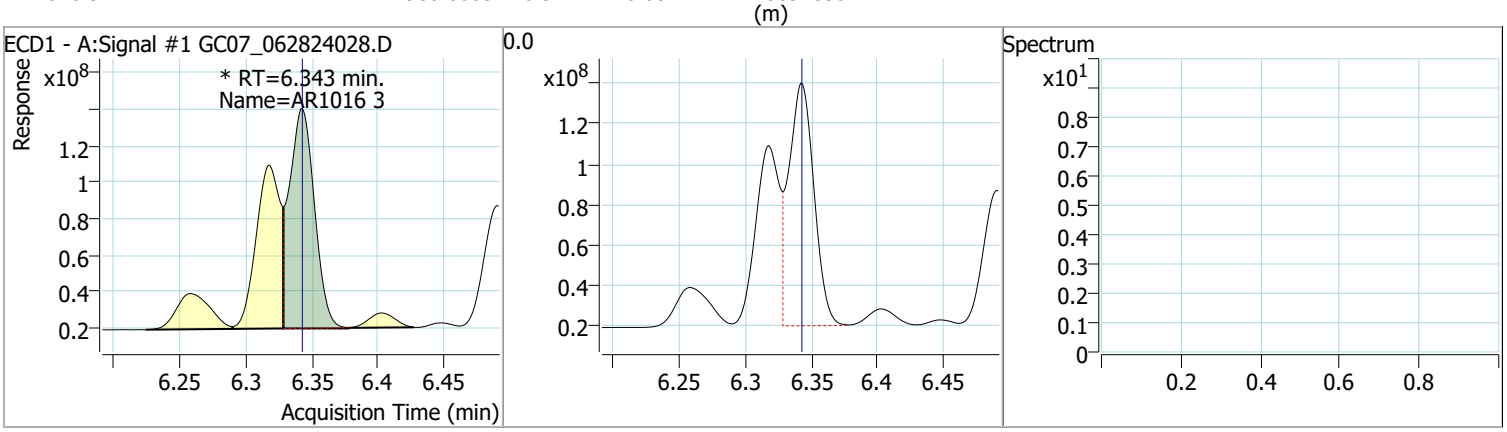
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AR1016 2	1744.9062	5.86	0.00	111345884				



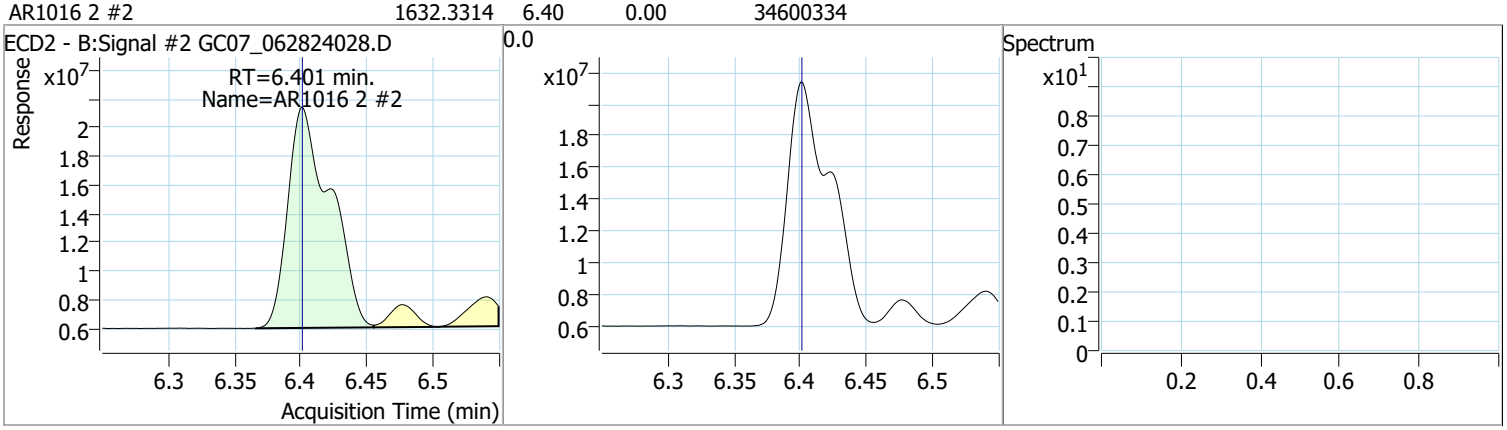
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AR1016 1 #2	1581.9063	5.96	0.00	16229620				



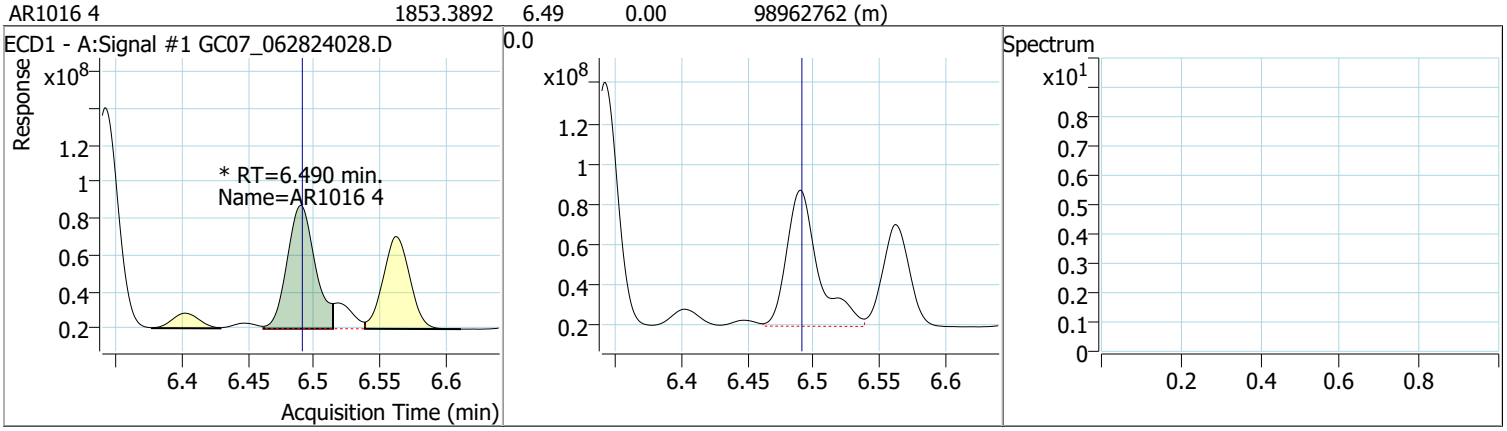
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1985.6885	6.34	0.00	158970351 (m)				



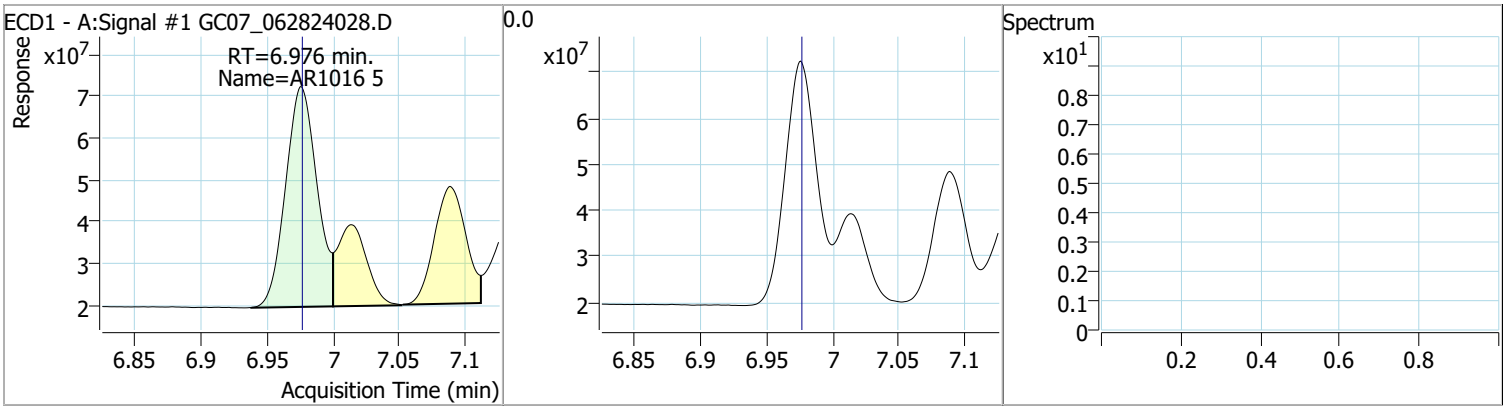
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AR1016 2 #2	1632.3314	6.40	0.00	34600334				



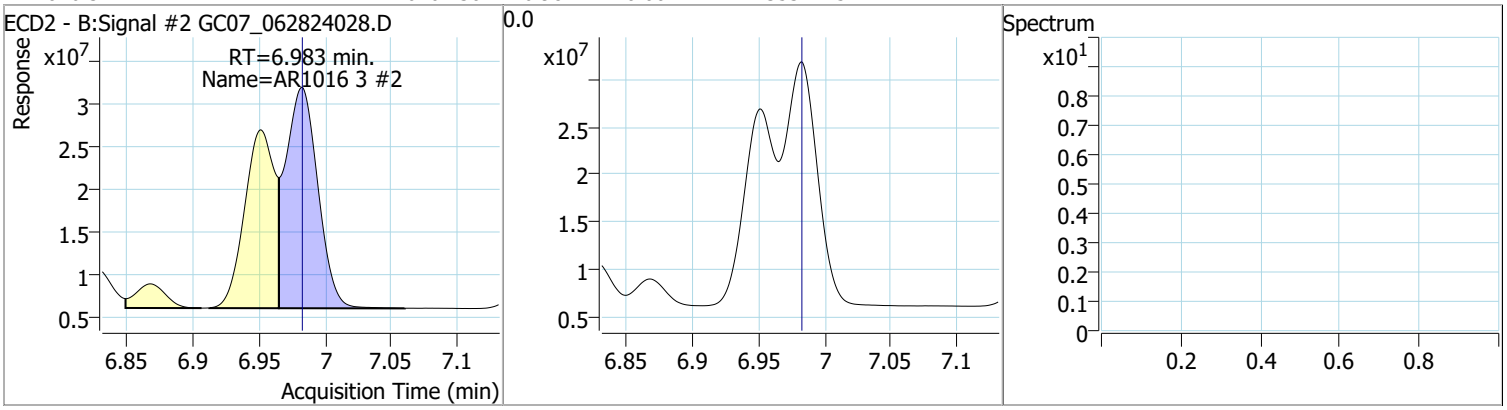
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1853.3892	6.49	0.00	98962762 (m)				



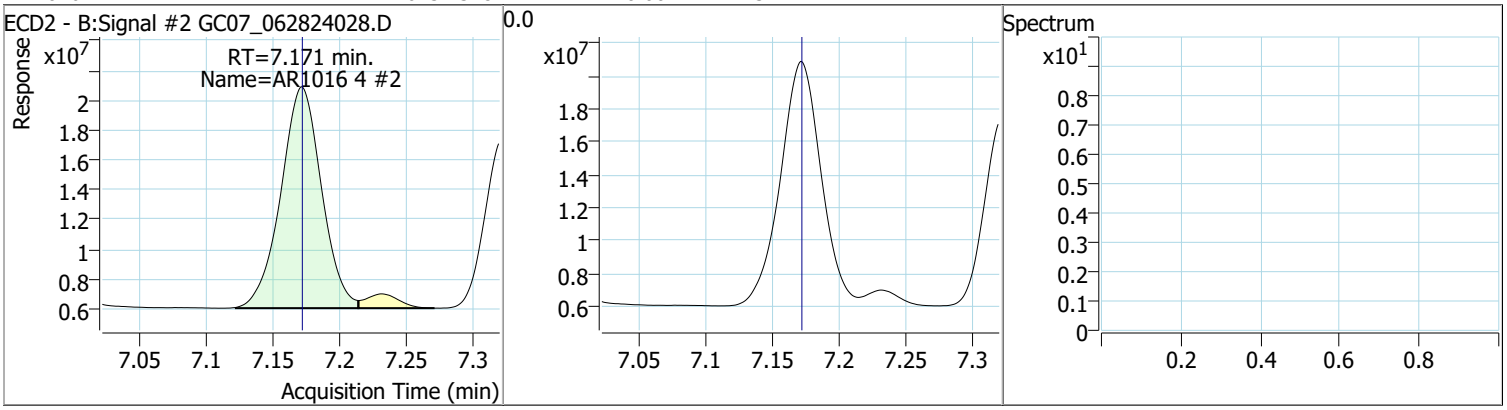
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1856.9819	6.98	0.00	87157457				



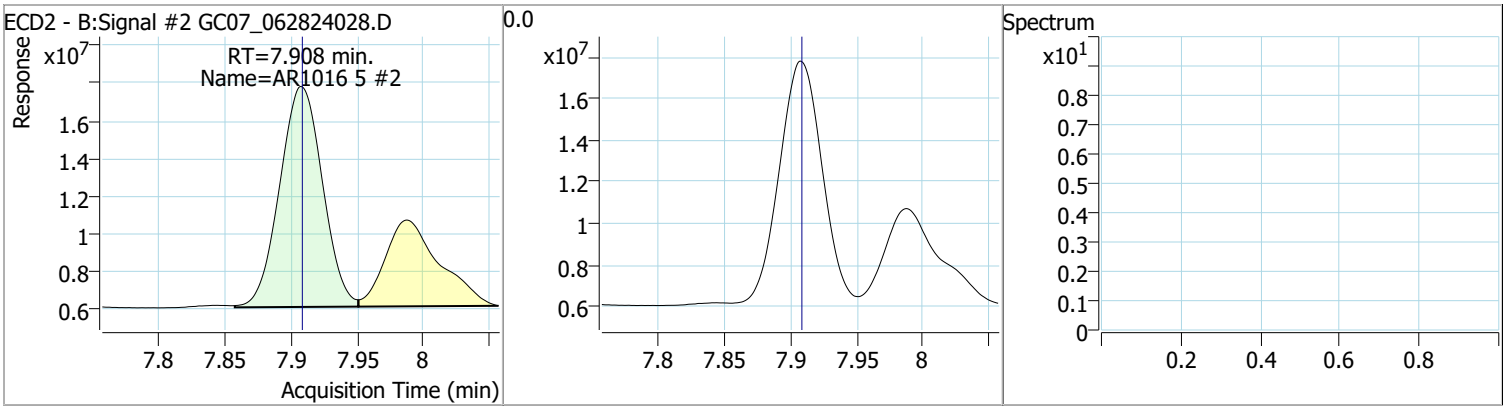
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1646.7307	6.98	0.00	43534275				



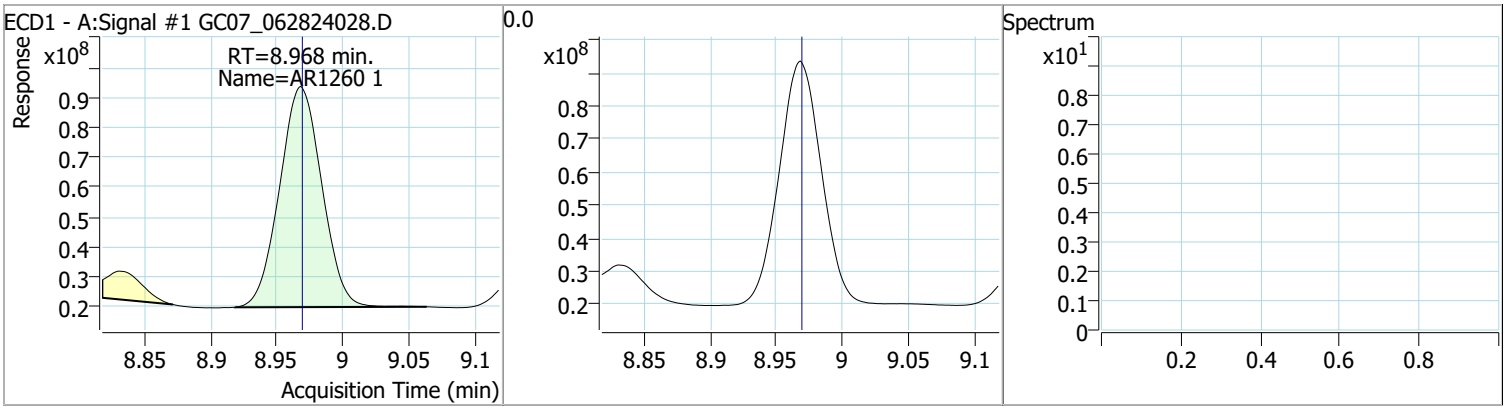
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AR1016 4 #2	1623.2318	7.17	0.00	31722771				



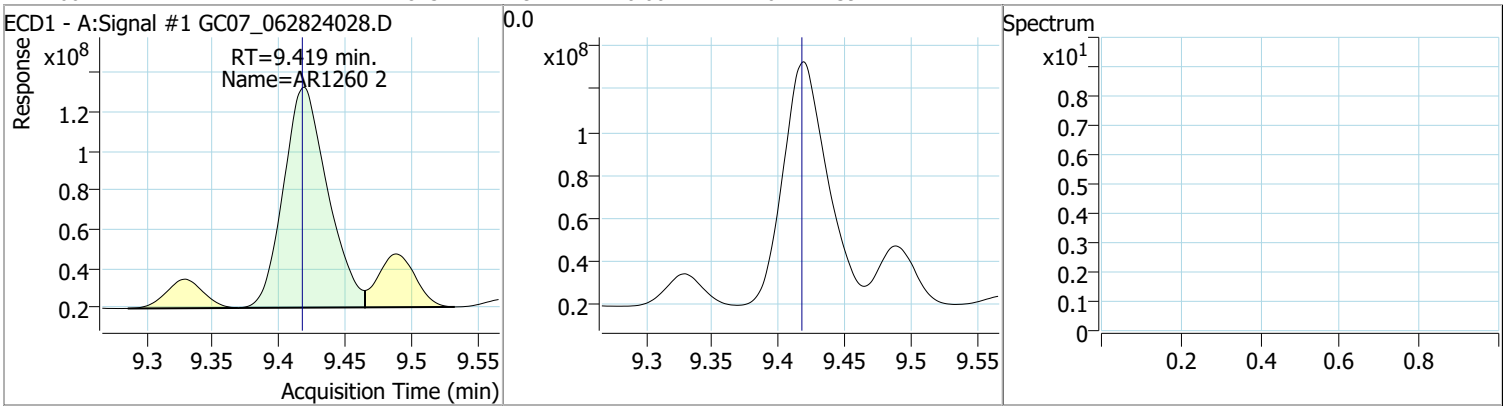
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AR1016 5 #2	1669.5818	7.91	0.00	26389484				



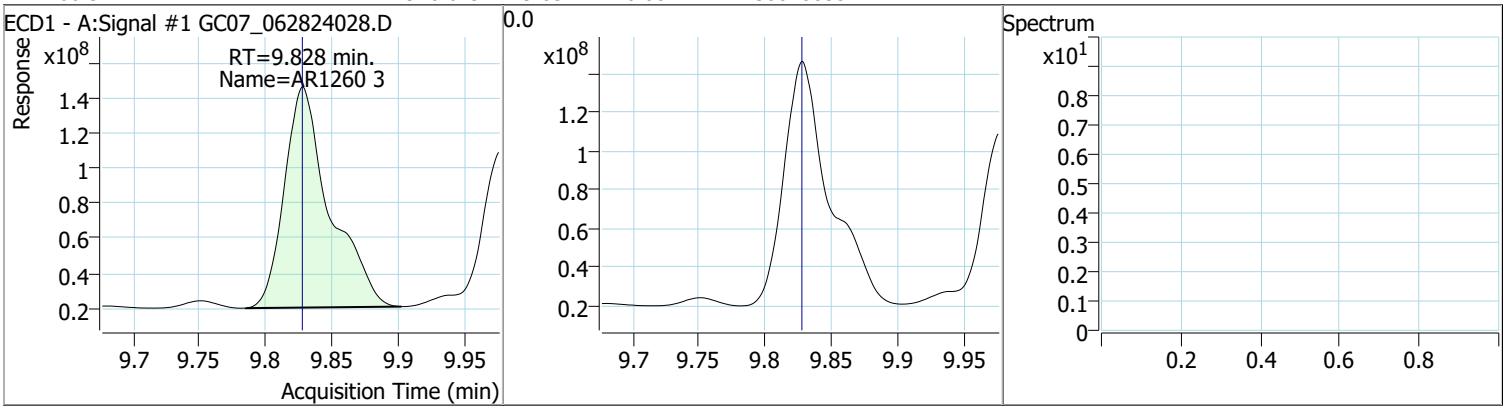
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1738.9678	8.97	0.00	163694034				



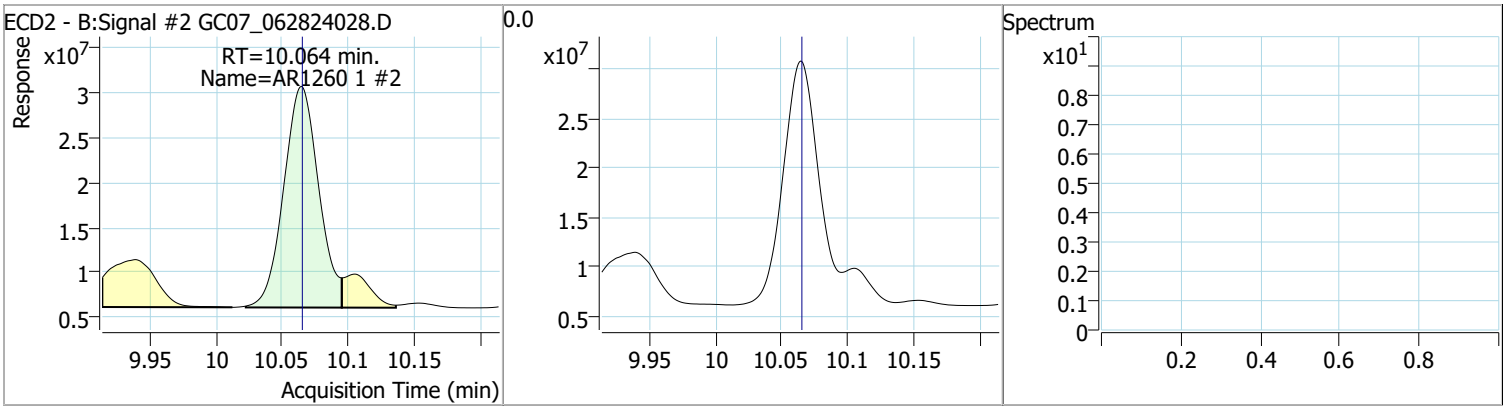
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1823.2227	9.42	0.00	262121139				



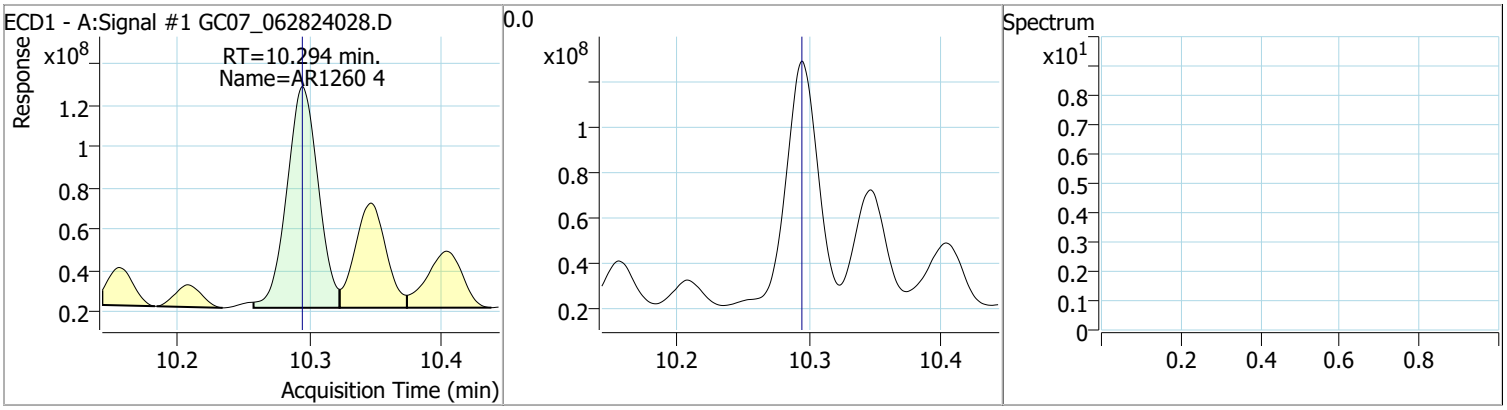
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1940.6192	9.83	0.00	300188552				



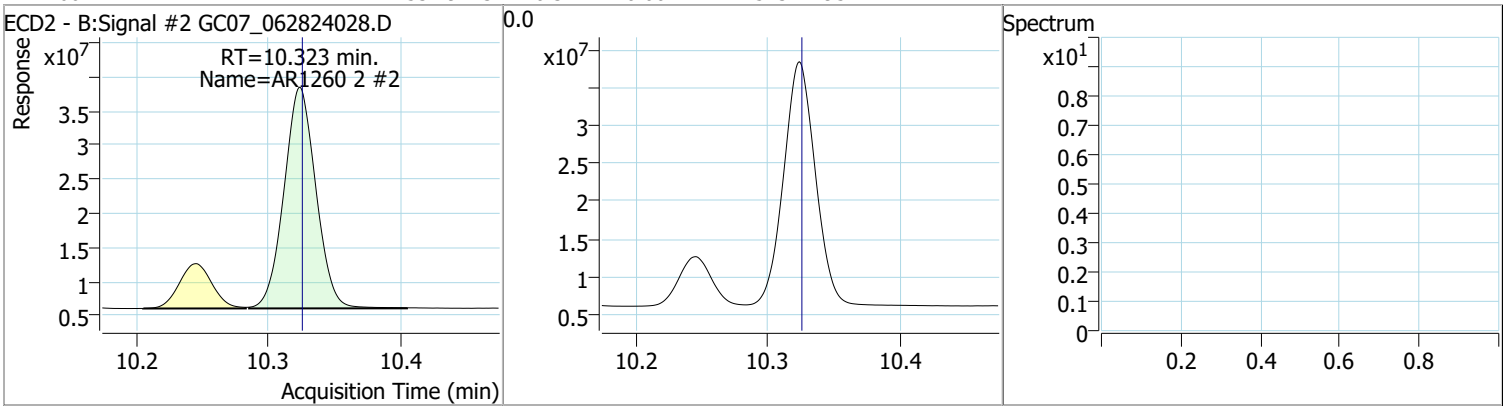
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1615.9576	10.06	0.00	45427088				



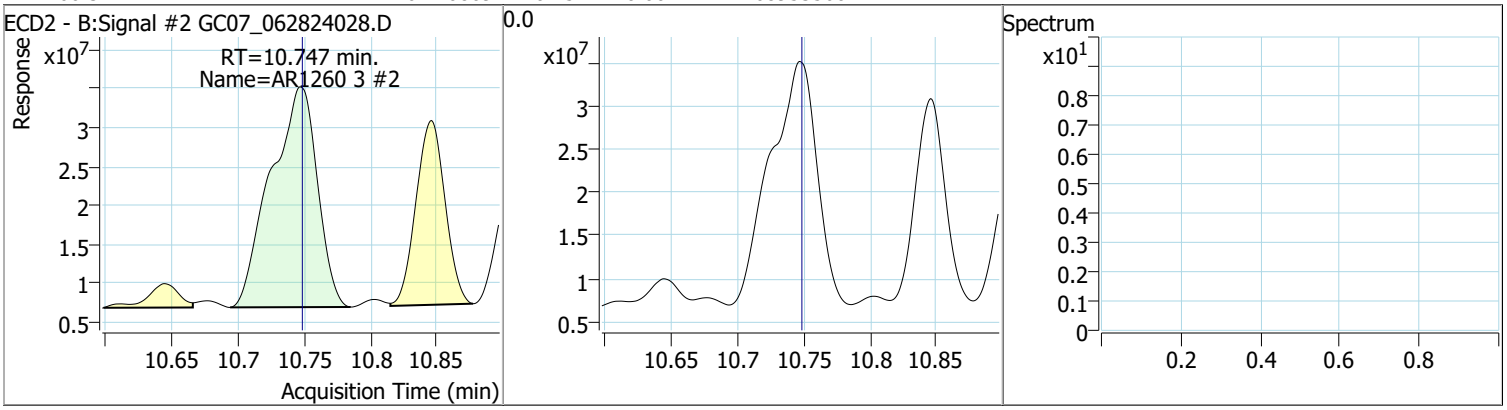
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1979.4214	10.29	0.00	177019456				



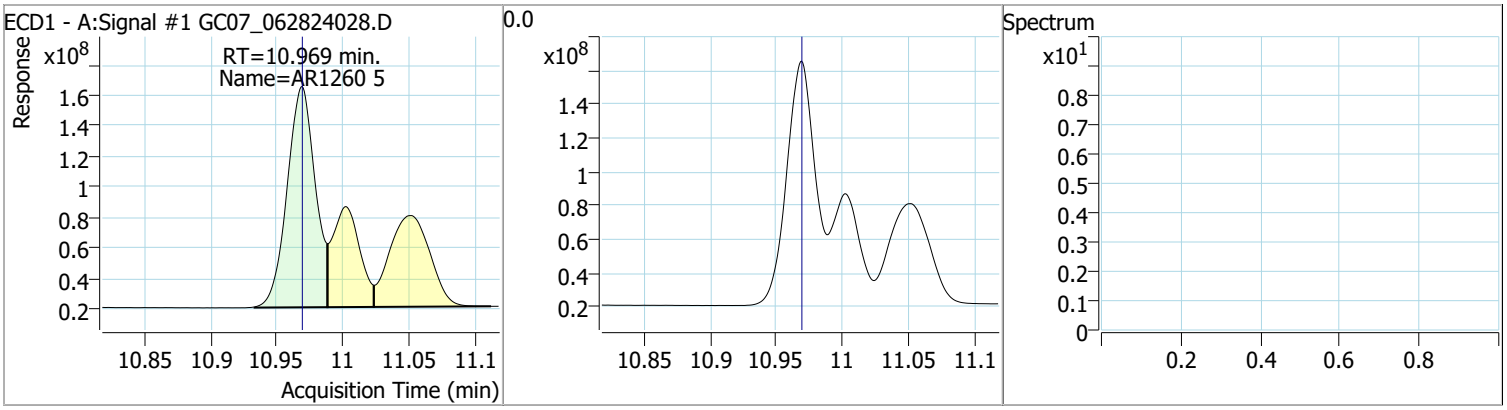
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1537.9743	10.32	0.00	54314495				



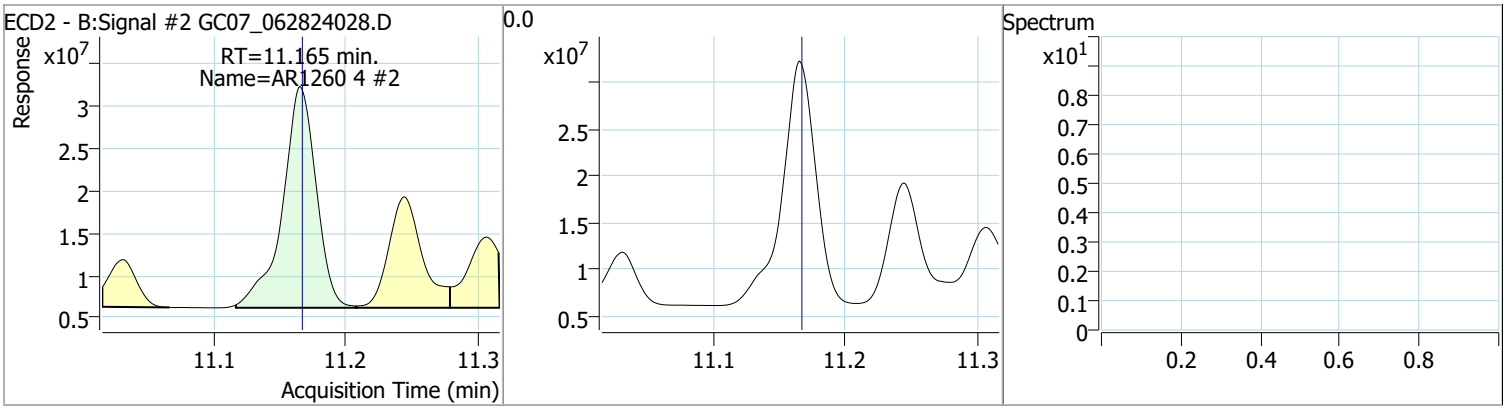
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1622.0809	10.75	0.00	68953560				



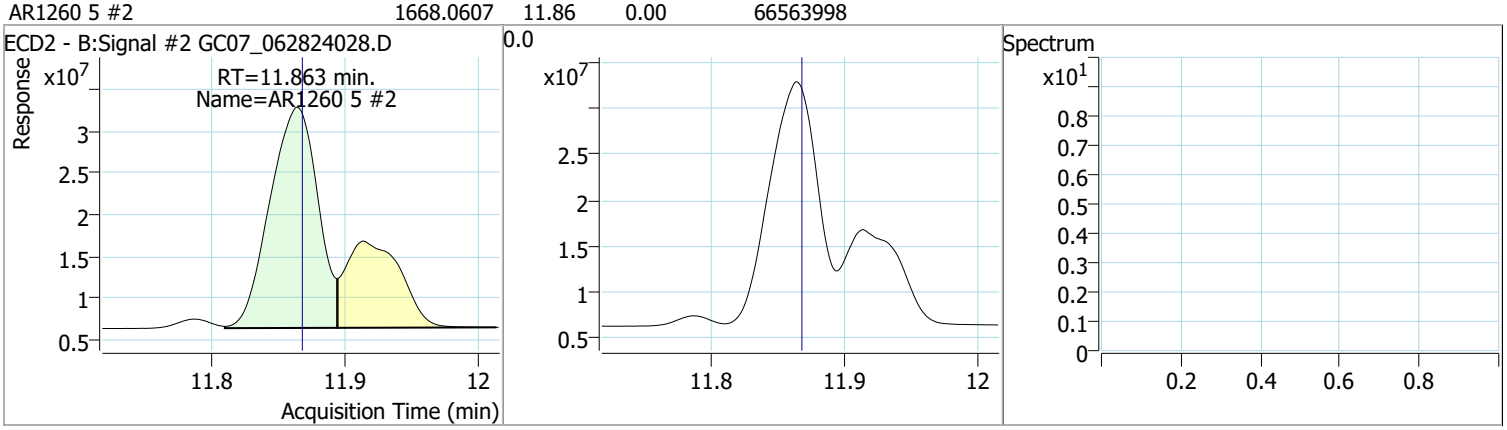
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1988.2437	10.97	0.00	212918830				



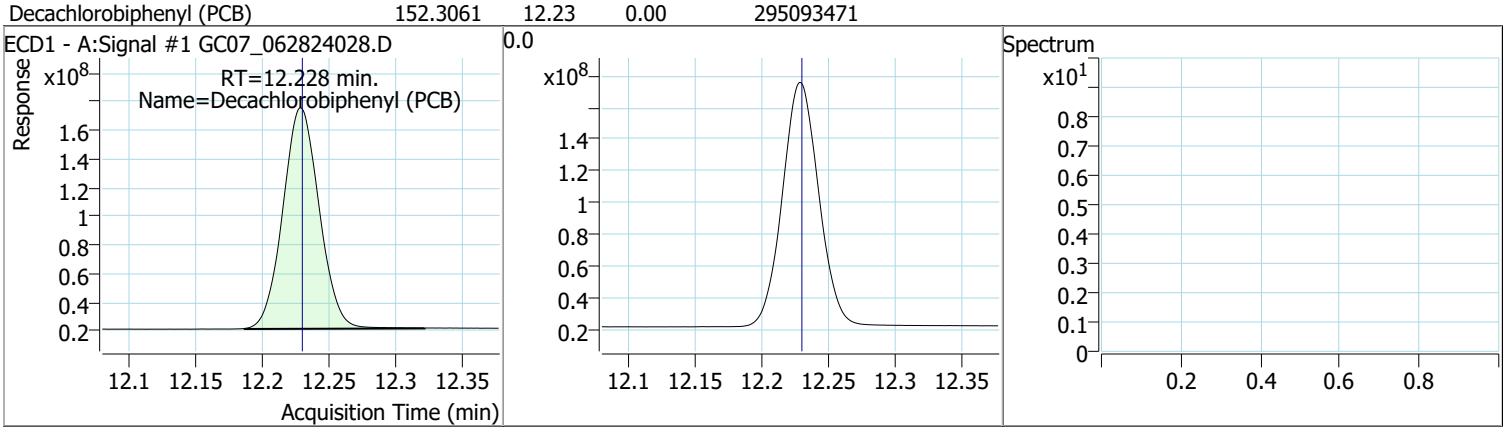
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1713.7276	11.17	0.00	46064501				



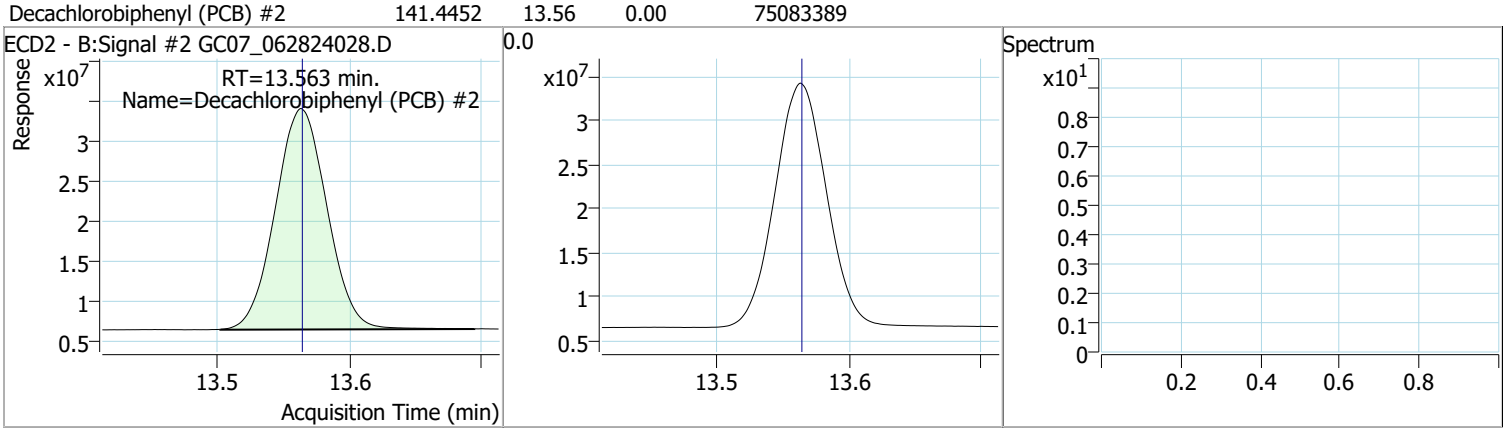
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1668.0607	11.86	0.00	66563998				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	152.3061	12.23	0.00	295093471				

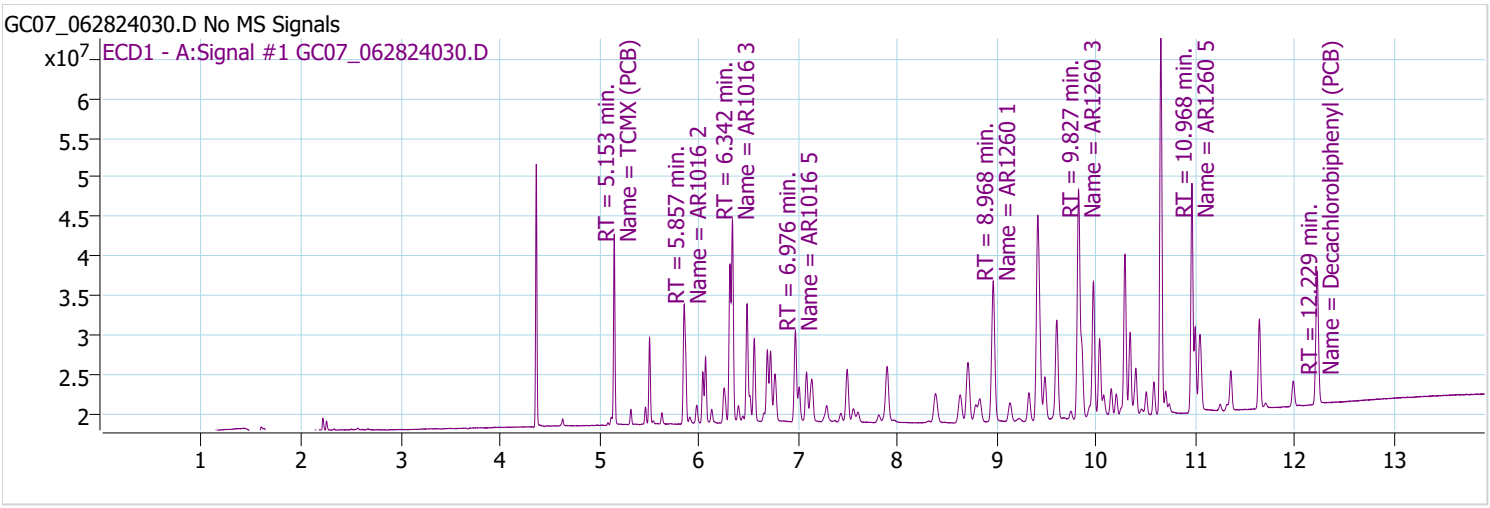


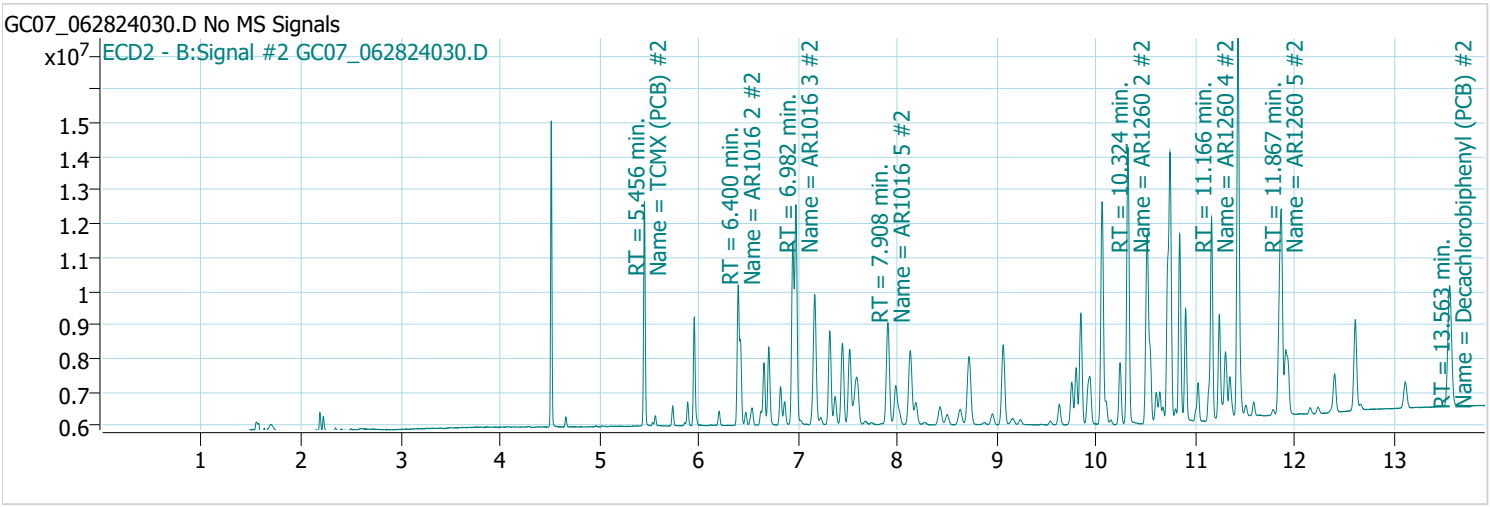
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	141.4452	13.56	0.00	75083389				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:57:48 PM
Sample Name	ICV, S20893	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



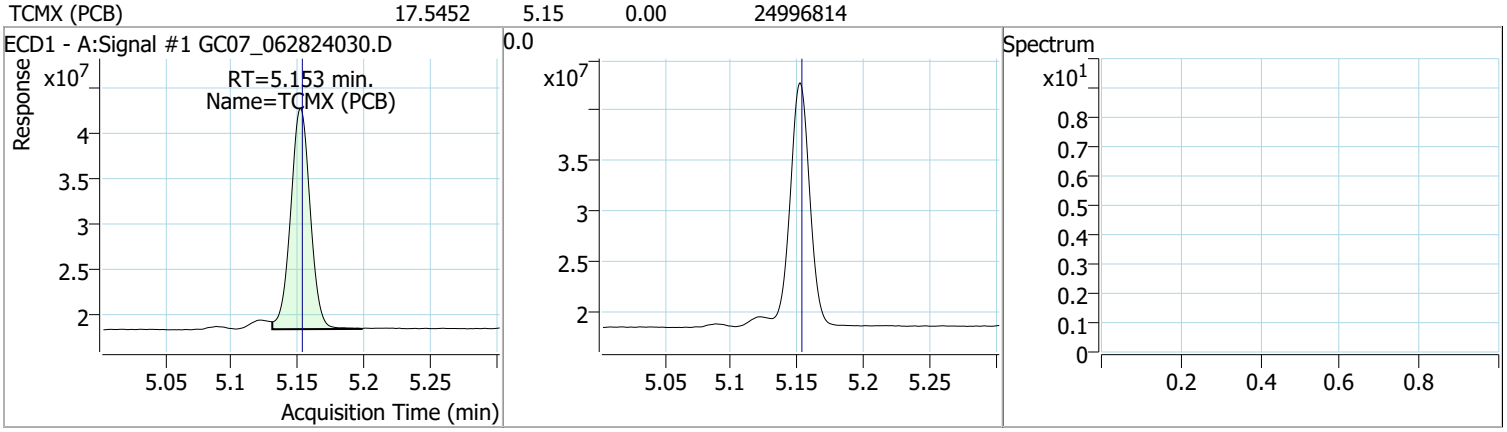


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	30413590.836	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8376601.445	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	24996814.038	17.5452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.73%		
S TCMX (PCB) #2	5.456	0.0	7611693.359	18.9448	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.72%		
S Decachlorobiphenyl (PCB)	12.229	0.0	32564996.755	19.4205	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S Decachlorobiphenyl (PCB) #2	13.563	0.0	9597731.276	20.9734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.87%		
Target Compounds						QValue

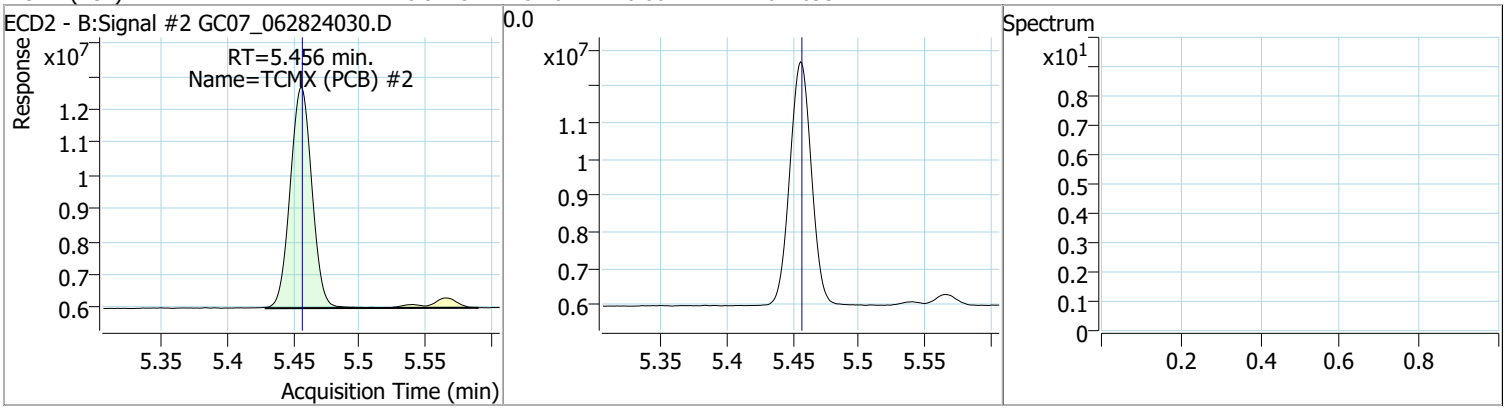
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.508	0.0	12386632.760	465.9366	ng/ml		100
T AR1016 2	5.857	0.0	26299436.209	476.2082	ng/ml		100
T AR1016 1 #2	5.958	0.0	4174180.598	471.9539	ng/ml		100
T AR1016 3	6.342	0.0	34546415.235	527.2991	ng/ml		100
T AR1016 2 #2	6.400	0.0	9001561.380	492.6084	ng/ml		100
T AR1016 4	6.490	0.0	22137100.040	479.0359	ng/ml	m	100
T AR1016 5	6.976	0.0	19309556.131	475.3658	ng/ml		100
T AR1016 3 #2	6.982	0.0	11170392.572	490.1349	ng/ml		100
T AR1016 4 #2	7.171	0.0	8088316.342	480.0909	ng/ml		100
T AR1016 5 #2	7.908	0.0	6582770.698	483.1049	ng/ml		100
T AR1260 1	8.968	0.0	39268423.192	482.0085	ng/ml		100
T AR1260 2	9.417	0.0	62386512.904	501.3961	ng/ml		100
T AR1260 3	9.827	0.0	71409385.341	533.4012	ng/ml		100
T AR1260 1 #2	10.064	0.0	13287658.707	548.3015	ng/ml		100
T AR1260 4	10.293	0.0	34310803.890	443.3030	ng/ml		100
T AR1260 2 #2	10.324	0.0	14596035.265	479.4288	ng/ml		100
T AR1260 3 #2	10.748	0.0	18681897.932	509.7917	ng/ml		100
T AR1260 5	10.968	0.0	43060287.597	464.6062	ng/ml		100
T AR1260 4 #2	11.166	0.0	10737657.512	463.3839	ng/ml		100
T AR1260 5 #2	11.867	0.0	14959700.763	434.8618	ng/ml		100

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

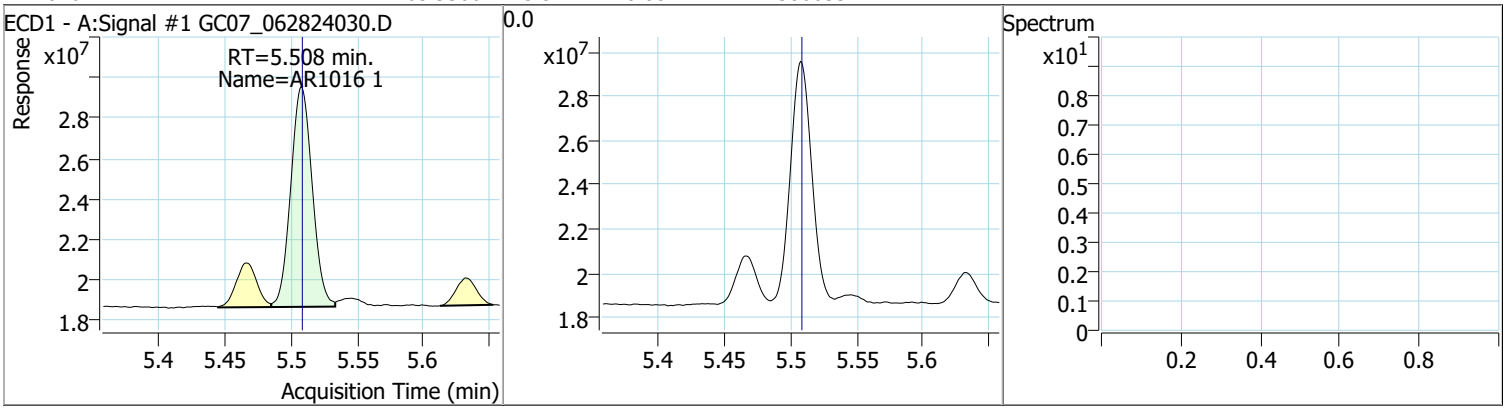
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.5452	5.15	0.00	24996814				



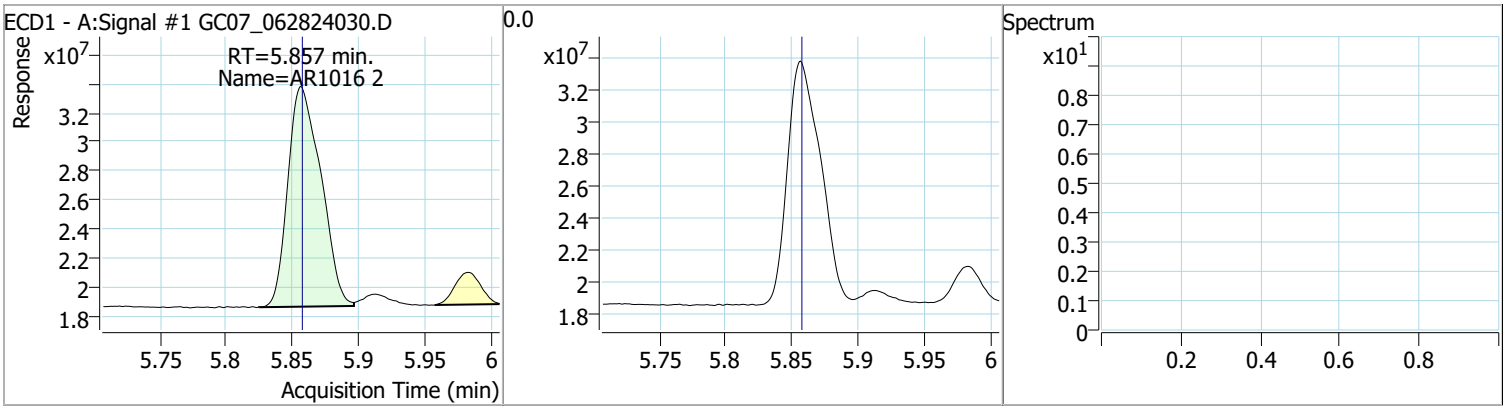
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.9448	5.46	0.00	7611693				



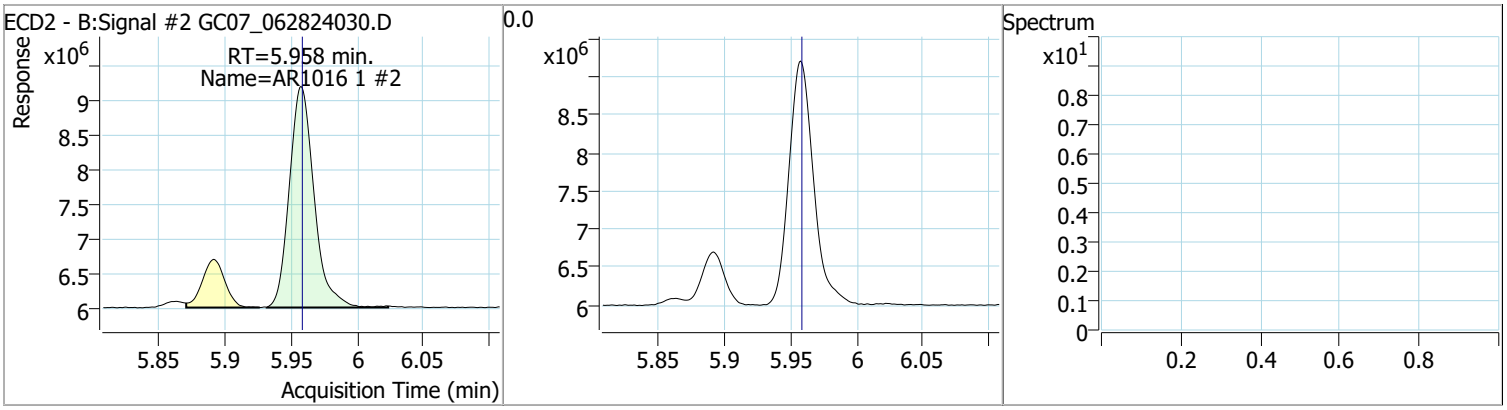
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.9366	5.51	0.00	12386633				



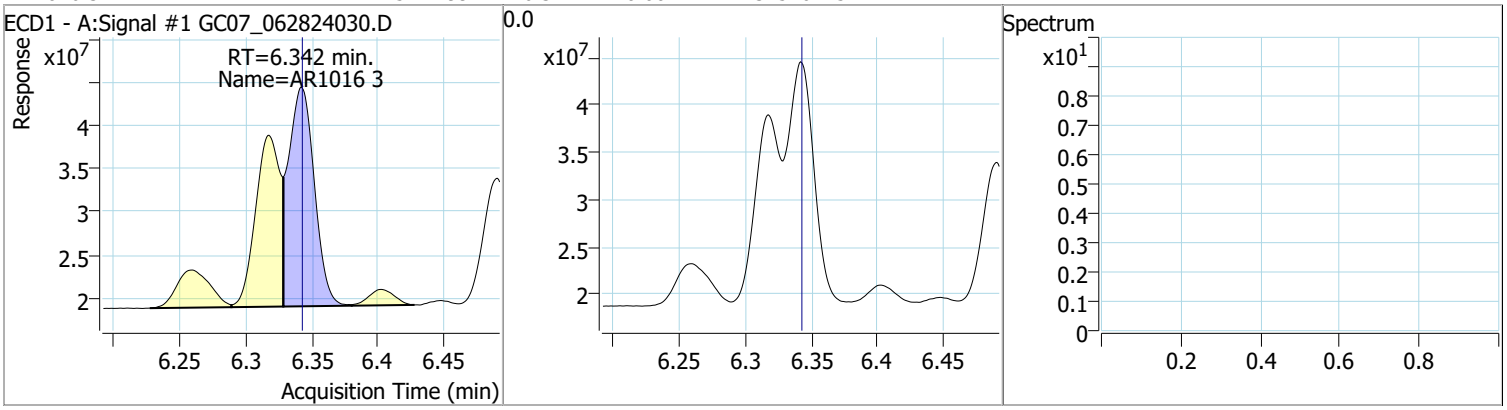
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2082	5.86	0.00	26299436				



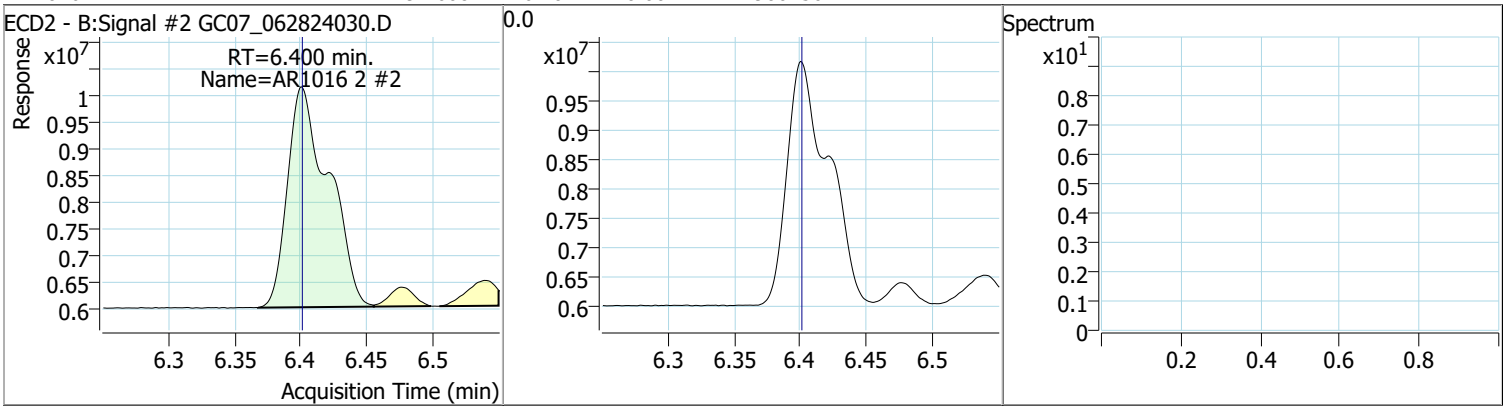
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.9539	5.96	0.00	4174181				



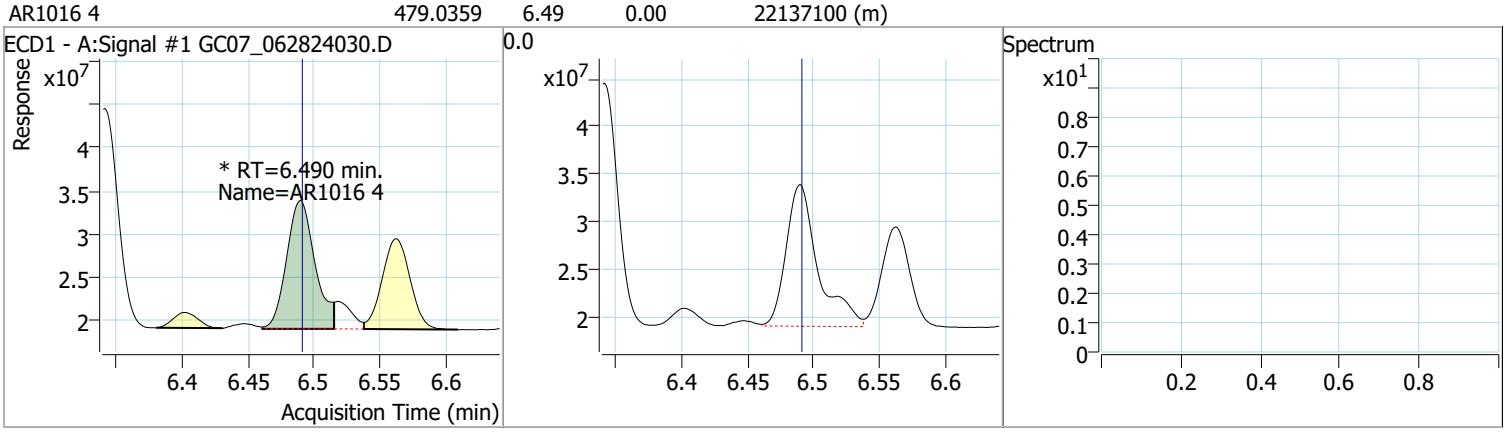
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	527.2991	6.34	0.00	34546415				



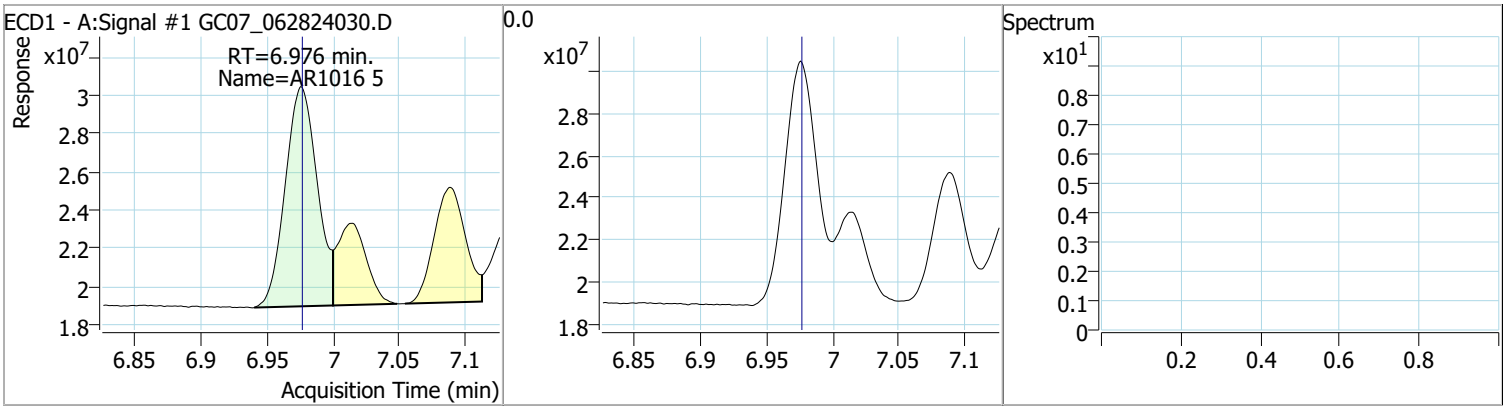
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.6084	6.40	0.00	9001561				



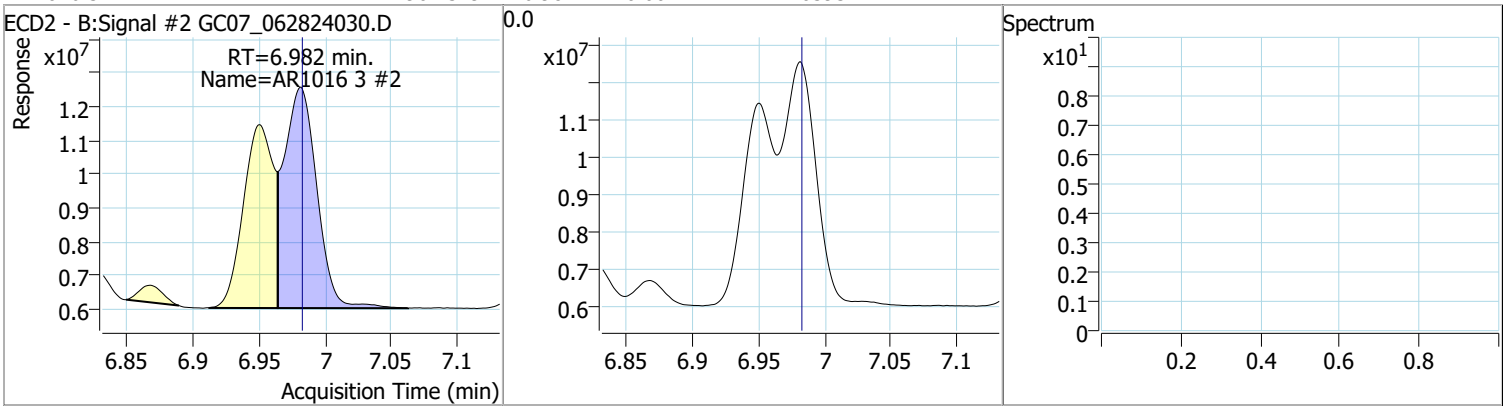
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.0359	6.49	0.00	22137100 (m)				



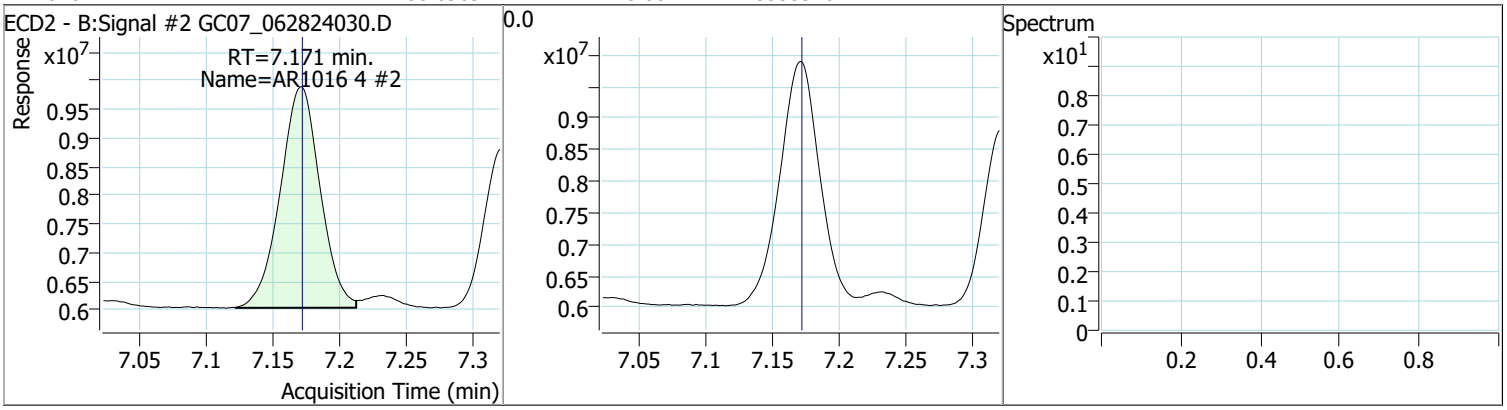
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	475.3658	6.98	0.00	19309556				



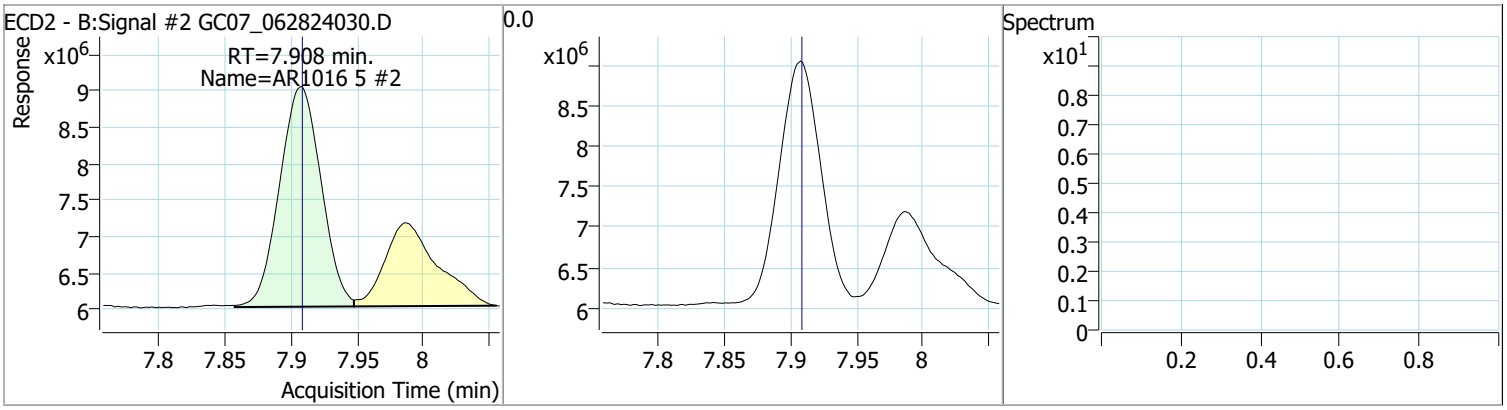
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.1349	6.98	0.00	11170393				



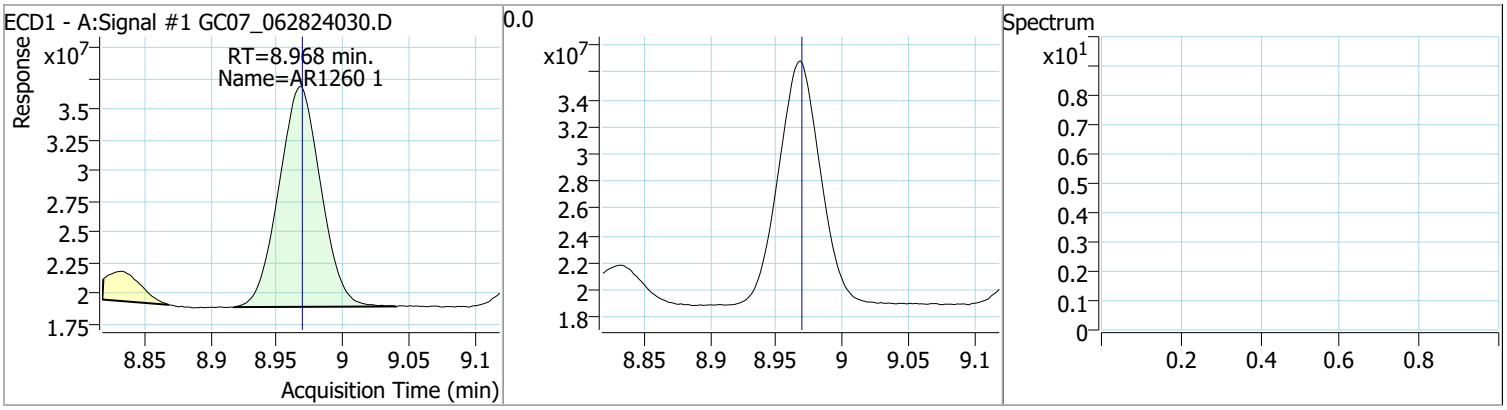
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.0909	7.17	0.00	8088316				



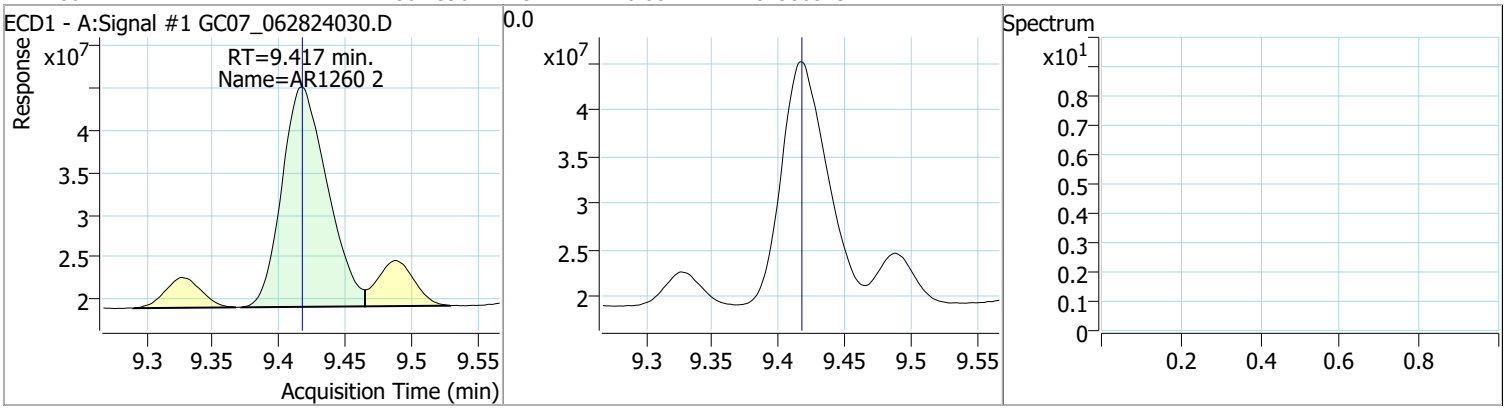
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.1049	7.91	0.00	6582771				



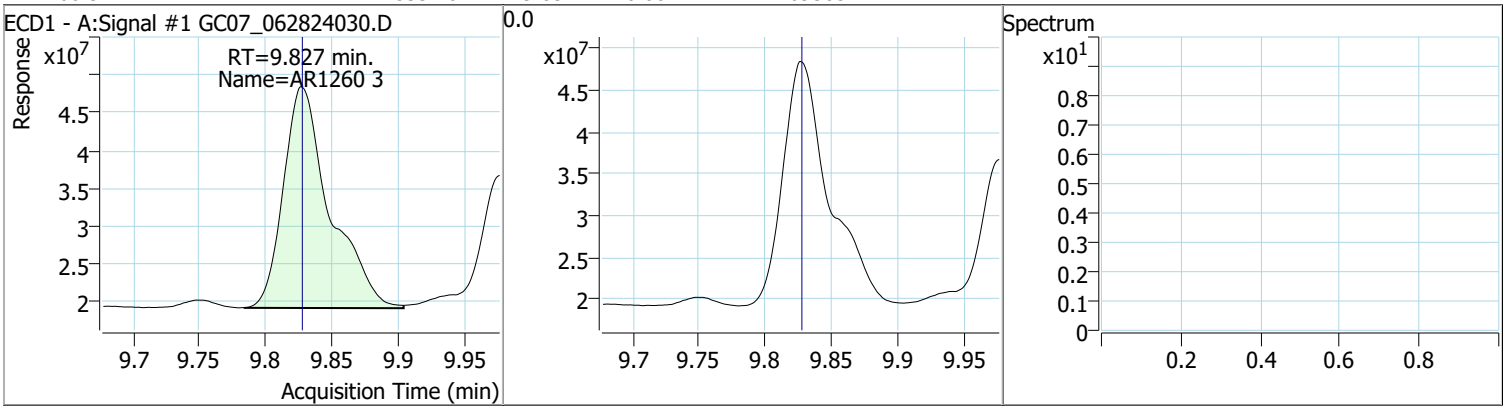
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.0085	8.97	0.00	39268423				



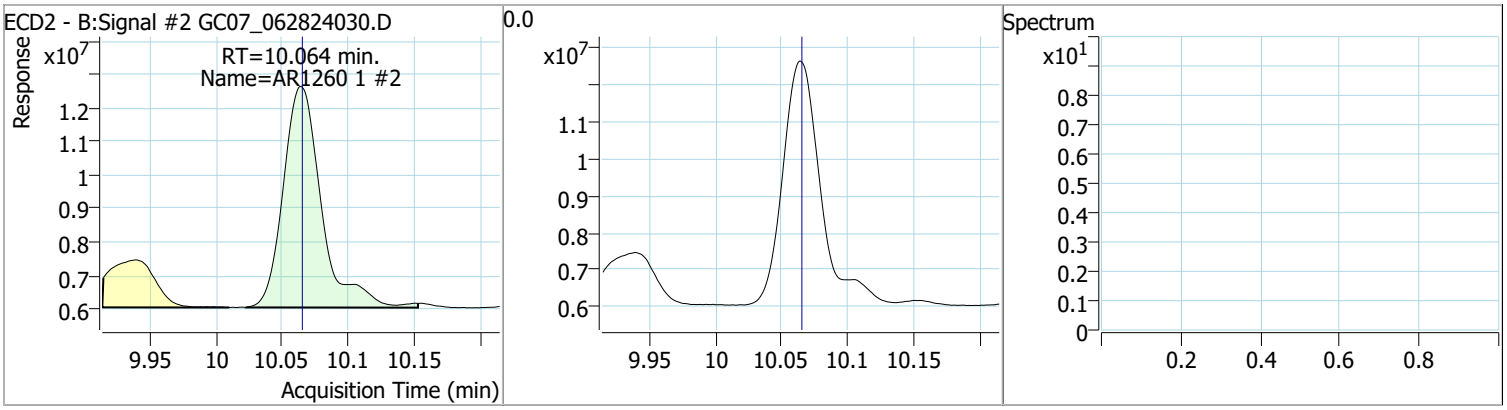
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	501.3961	9.42	0.00	62386513				



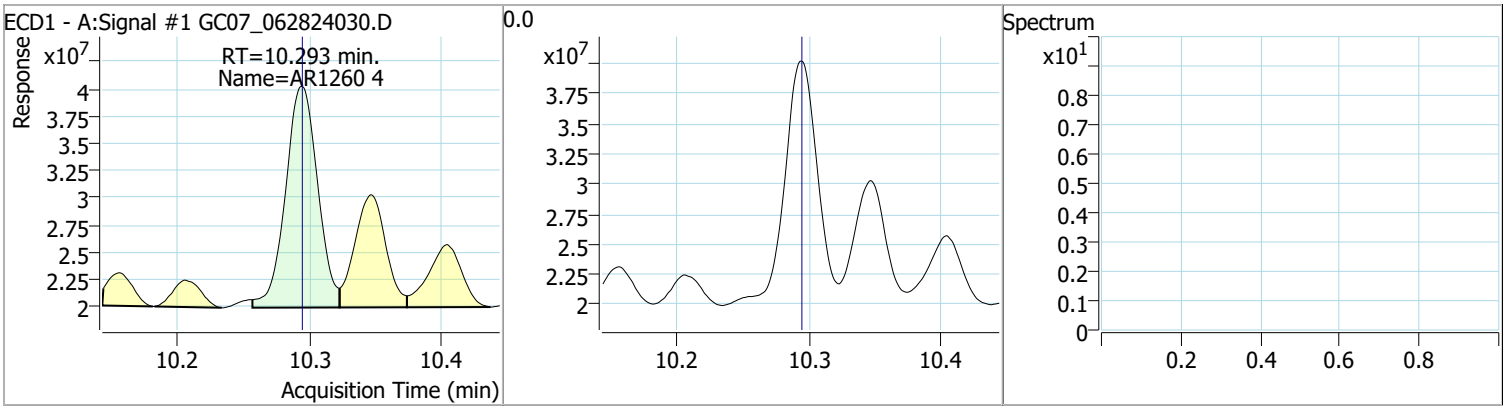
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	533.4012	9.83	0.00	71409385				



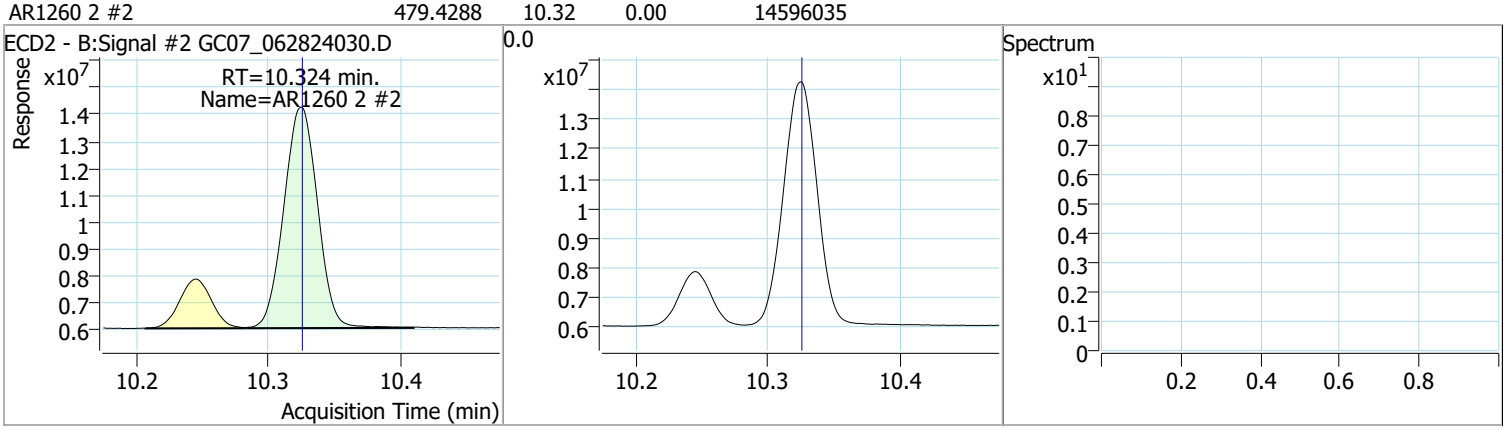
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	548.3015	10.06	0.00	13287659				



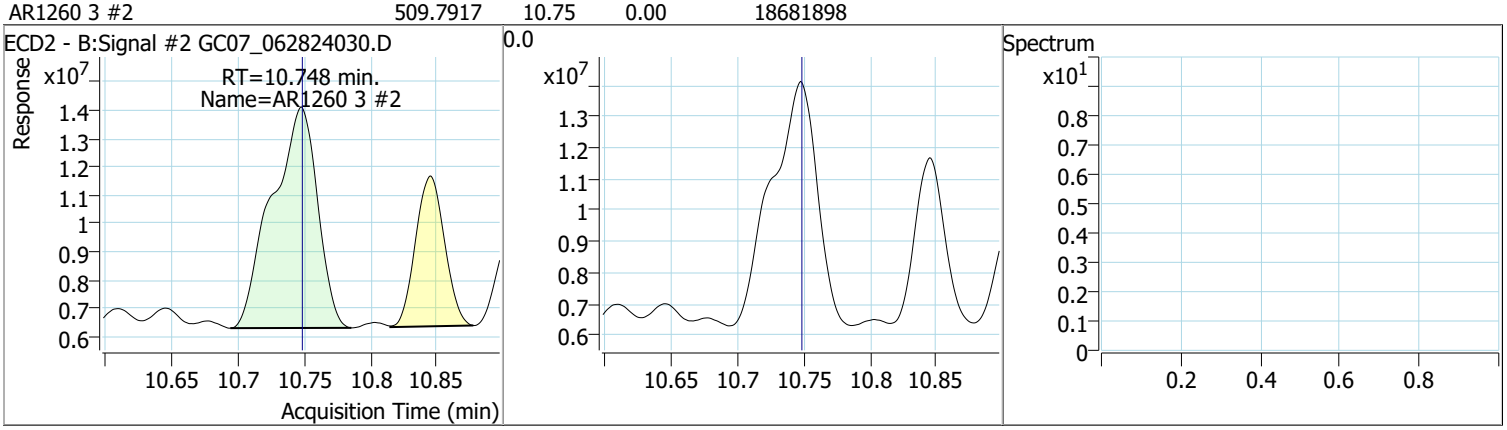
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	443.3030	10.29	0.00	34310804				



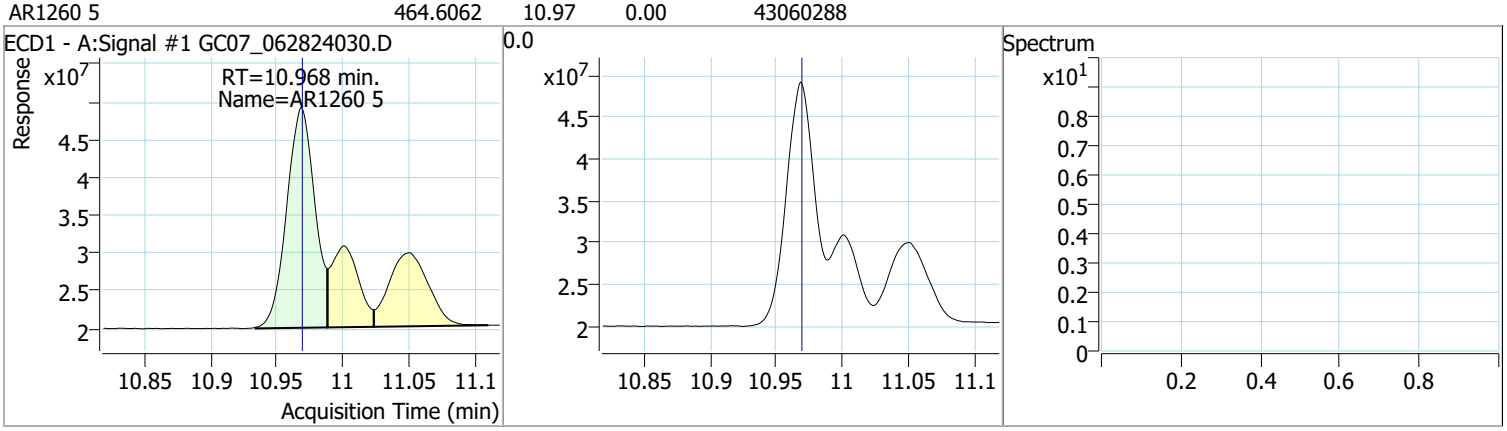
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	479.4288	10.32	0.00	14596035				



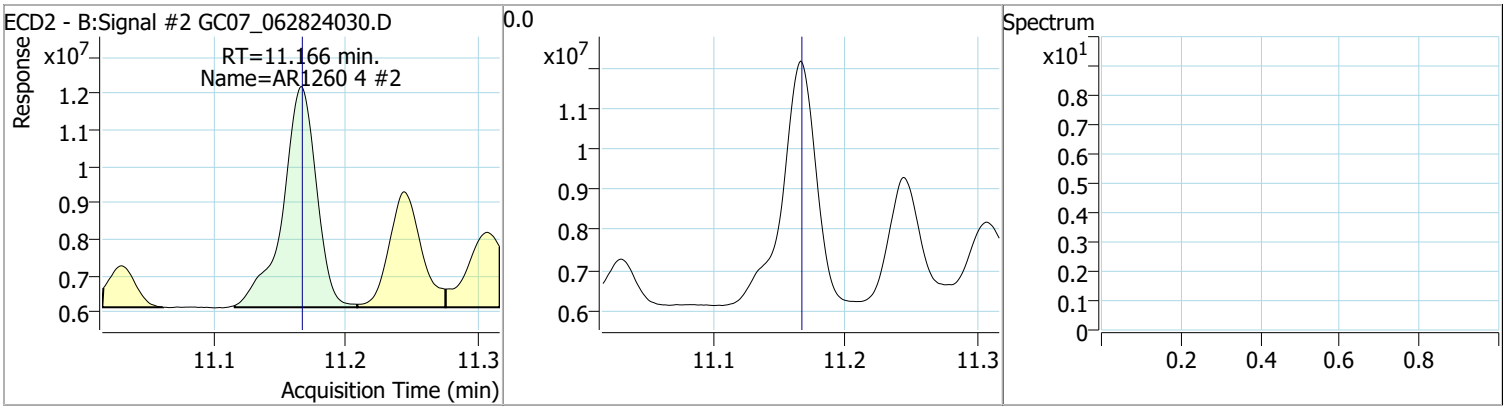
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	509.7917	10.75	0.00	18681898				



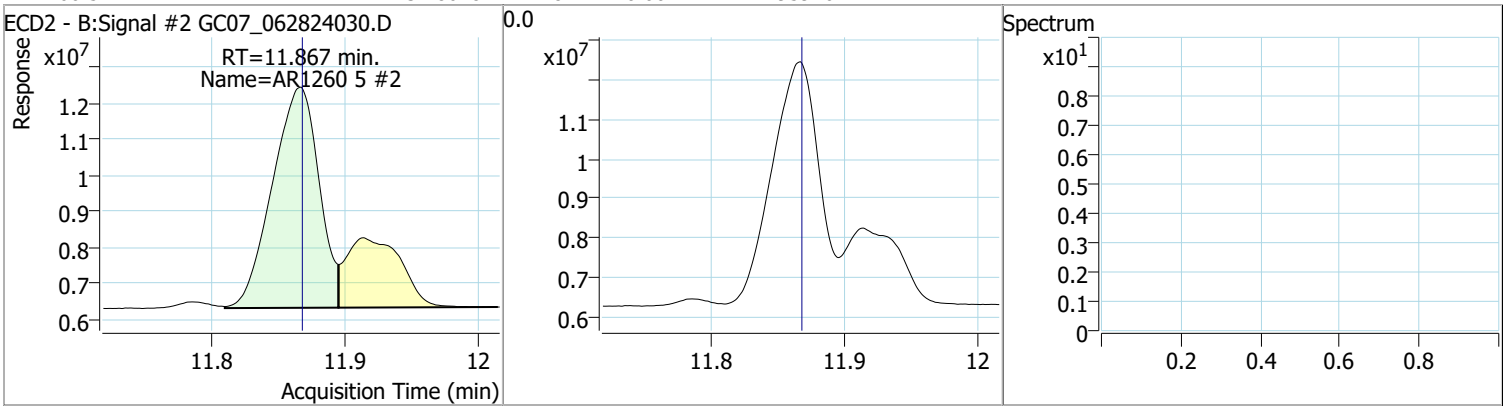
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	464.6062	10.97	0.00	43060288				



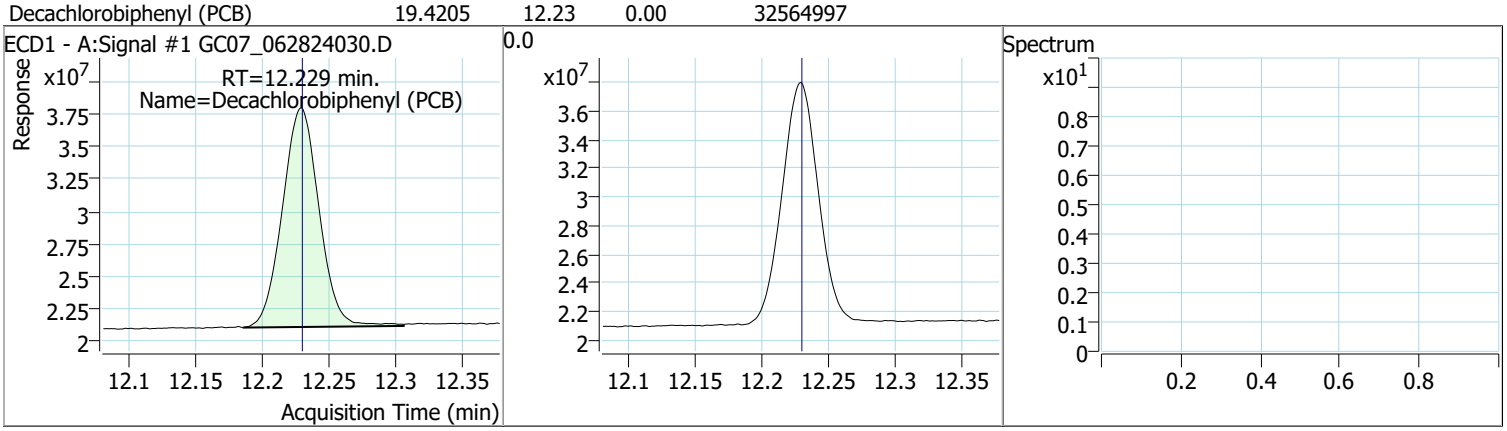
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3839	11.17	0.00	10737658				



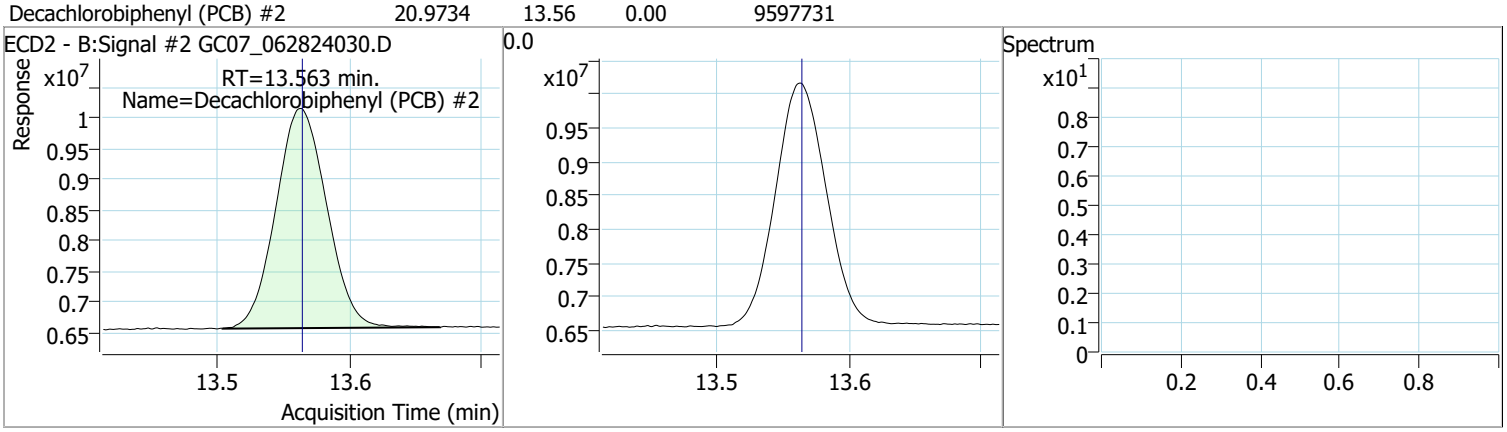
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	434.8618	11.87	0.00	14959701				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4205	12.23	0.00	32564997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9734	13.56	0.00	9597731				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 513150 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464311880004	File:	gc07_080324004	Time:	03-AUG-2024 14:35
Cal:	464259633001	Caldate:	28-JUN-2024		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	532.1	ug/L	6	15	0.0000	
Aroclor-1260	A			500.0	526.0	ug/L	5	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.0161	40.00	36.86	pg/uL	-8	15	0.0000	
TCMX (PCB)	A	0.9369	0.9311	40.00	39.75	pg/uL	-1	15	0.0000	
Aroclor-1016	B			500.0	522.2	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	506.2	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.1035	40.00	40.40	pg/uL	1	15	0.0000	
TCMX (PCB)	B	0.9593	0.9693	40.00	40.42	pg/uL	1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	8121529	1.00
1-bromo-2-nitrobenzene (PCB)	A	28707643	35201723	22.62

08/03/24 : 500 PPB PCB CCV

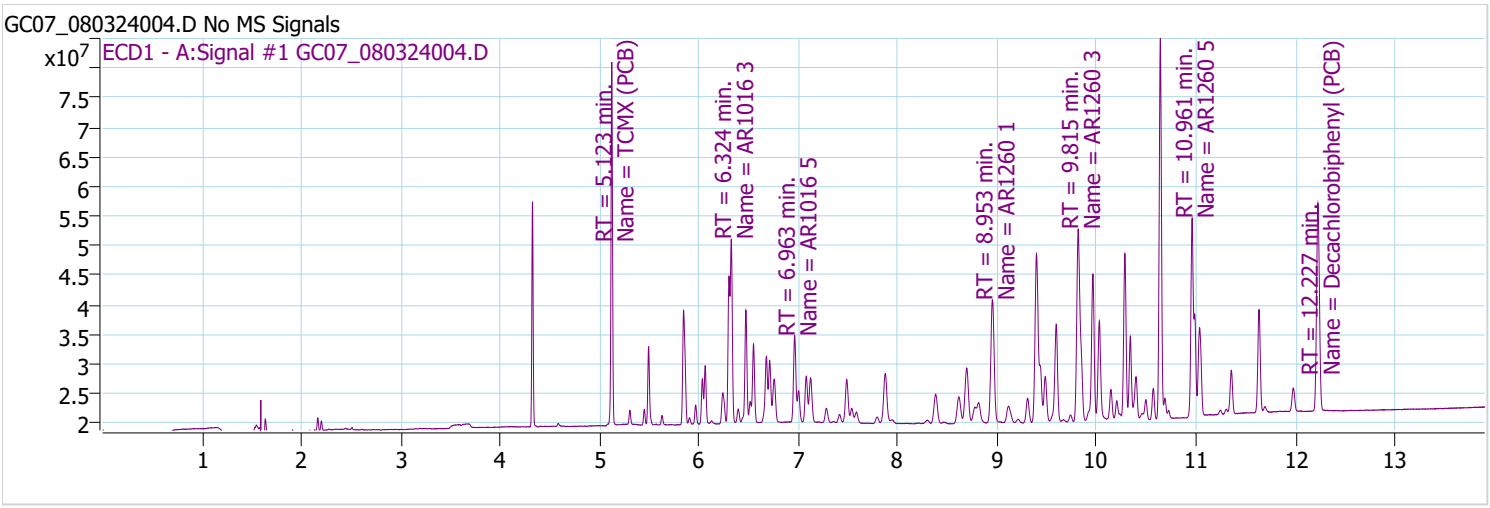
KLR 08/03/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for Ch. A.

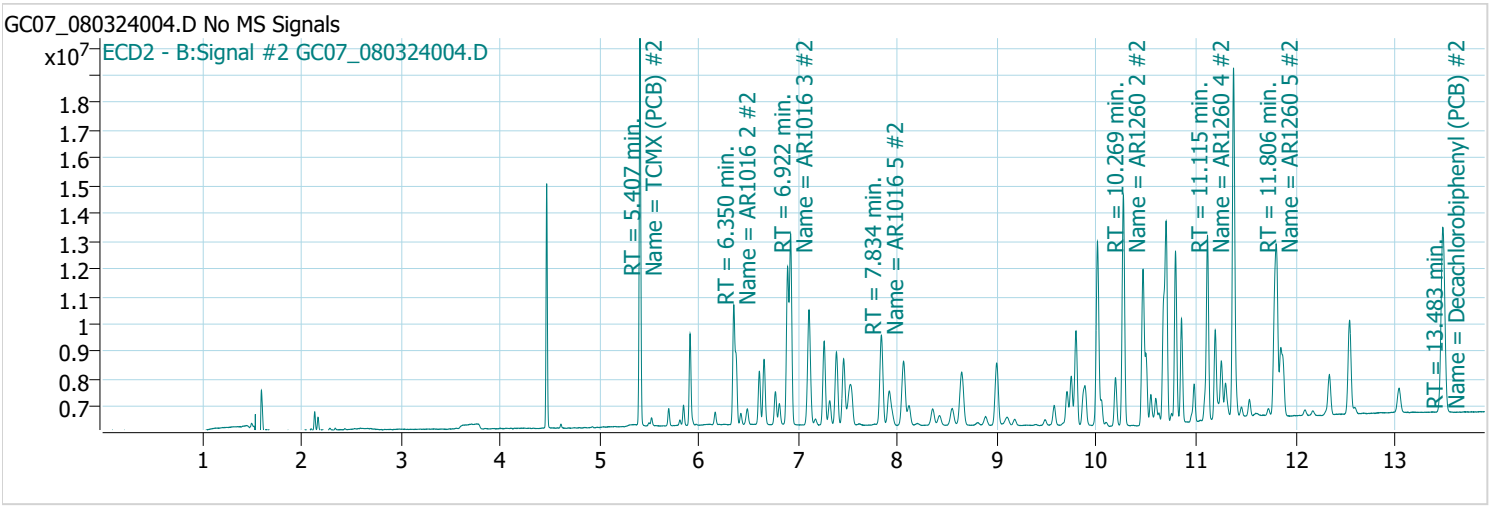
KLR 08/03/24 [Aroclor-1260 A]: Separated from coeluting peak for all channels.

Analyst: KLR 08/03/24 **Reviewer:** MTS 08/05/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 2:35:37 PM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



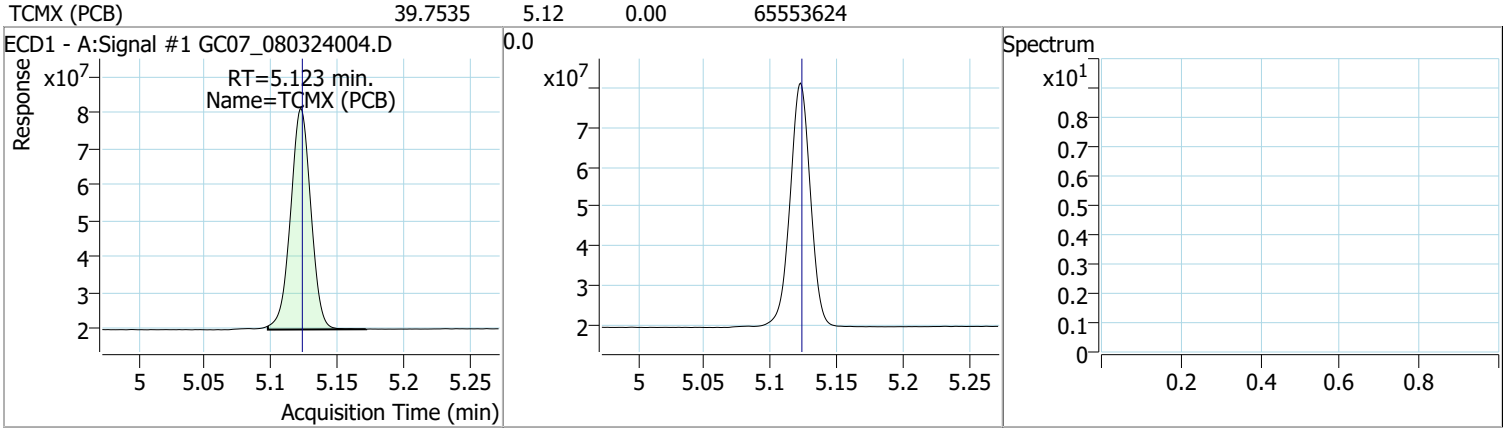


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	35201722.533	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8121528.645	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.123	0.0	65553624.055	39.7535	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.77%		*	
S TCMX (PCB) #2	5.407	0.0	15744850.839	40.4182	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.09%		*	
S Decachlorobiphenyl (PCB)	12.227	0.0	71533421.736	36.8573	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.29%		*	
S Decachlorobiphenyl (PCB) #2	13.483	0.0	17924864.672	40.4005	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.00%		*	
Target Compounds							QValue

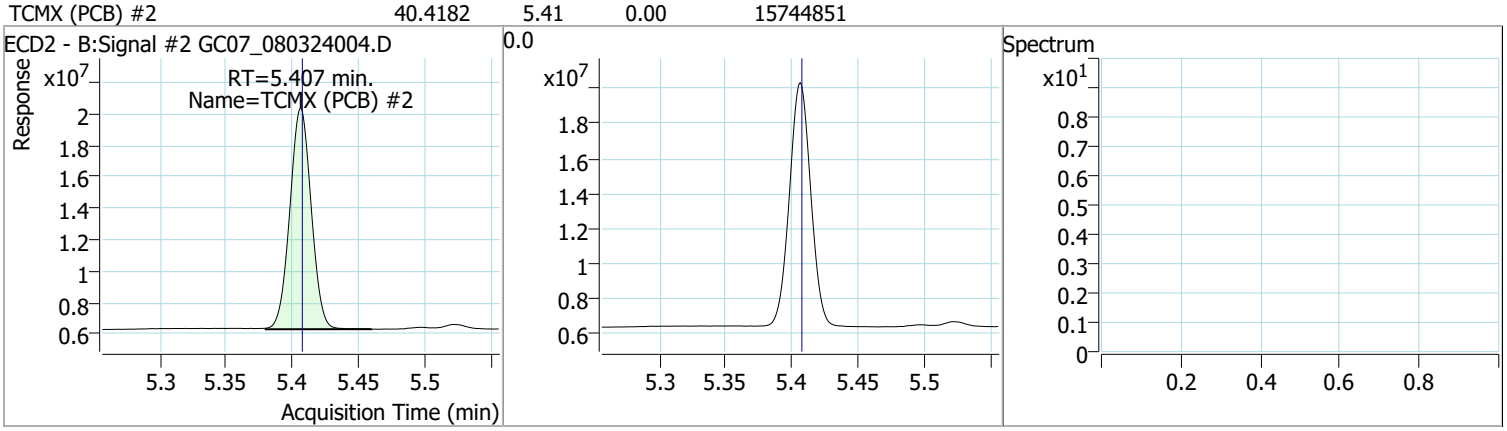
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.493	0.0	16385223.126	532.5124	ng/ml		100
T AR1016 2	5.845	0.0	33004437.256	516.3291	ng/ml		100
T AR1016 1 #2	5.910	0.0	4325914.502	504.4711	ng/ml		100
T AR1016 3	6.324	0.0	43114385.603	569.0158	ng/ml		100
T AR1016 2 #2	6.350	0.0	9267593.015	523.0955	ng/ml	m	100
T AR1016 4	6.472	0.0	27529176.247	514.6884	ng/ml		100
T AR1016 3 #2	6.922	0.0	11417847.140	516.7274	ng/ml		100
T AR1016 5	6.963	0.0	24825982.764	528.0389	ng/ml		100
T AR1016 4 #2	7.107	0.0	8541507.617	522.9136	ng/ml		100
T AR1016 5 #2	7.834	0.0	7181730.391	543.6156	ng/ml		100
T AR1260 1	8.953	0.0	48895156.036	518.5383	ng/ml		100
T AR1260 2	9.395	0.0	76497717.717	531.1809	ng/ml		100
T AR1260 3	9.815	0.0	82781313.737	534.2381	ng/ml		100
T AR1260 1 #2	10.008	0.0	12685642.385	539.9003	ng/ml	m	100
T AR1260 2 #2	10.269	0.0	14536905.017	492.4830	ng/ml		100
T AR1260 4	10.284	0.0	46889230.855	523.4156	ng/ml		100
T AR1260 3 #2	10.699	0.0	17835229.783	501.9732	ng/ml		100
T AR1260 5	10.961	0.0	56044783.425	522.4528	ng/ml	m	100
T AR1260 4 #2	11.115	0.0	11359882.050	505.6328	ng/ml		100
T AR1260 5 #2	11.806	0.0	16385211.367	491.2590	ng/ml		100

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

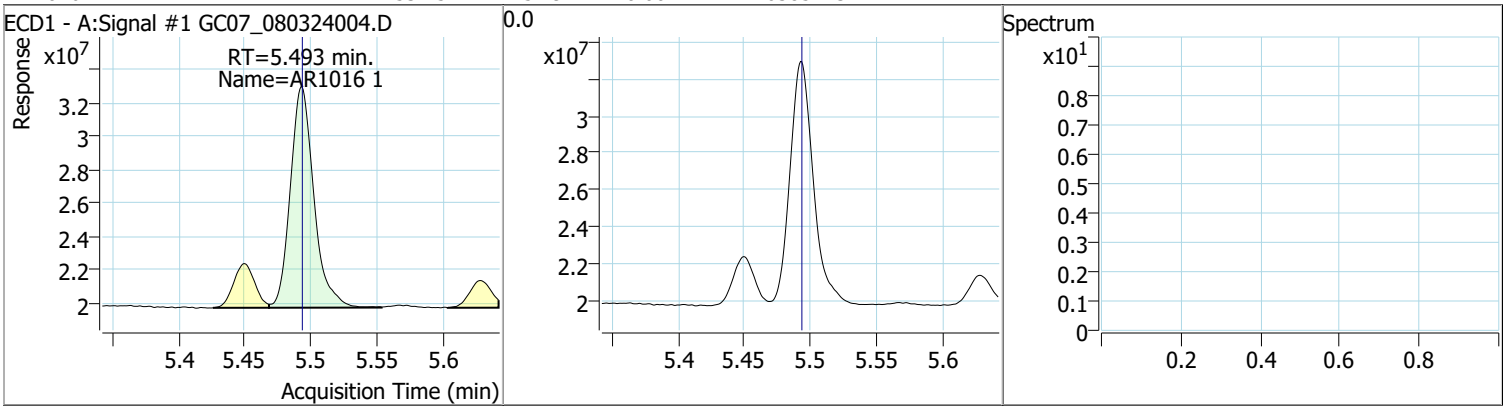
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.7535	5.12	0.00	65553624				



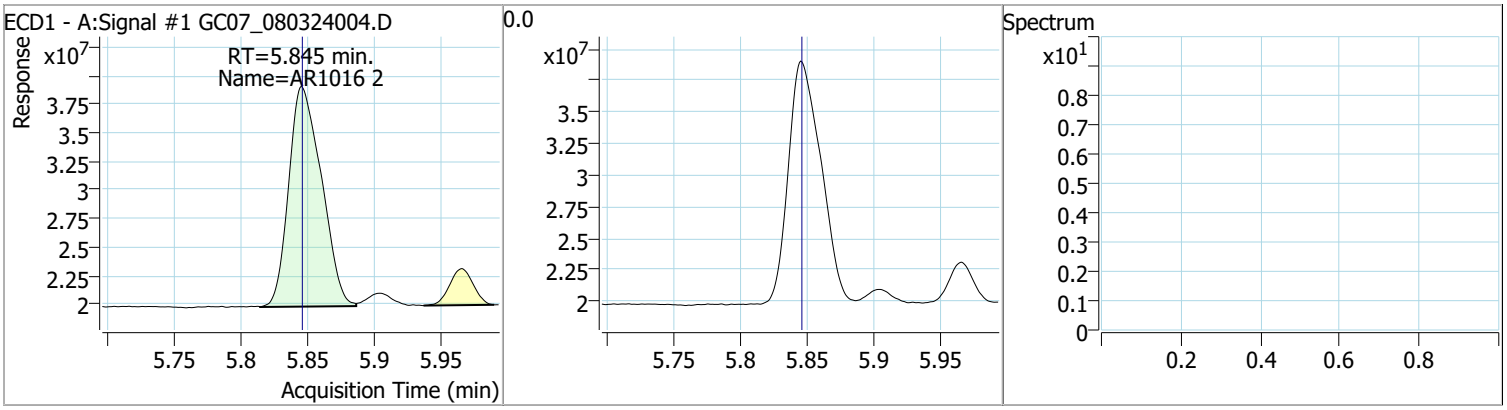
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.4182	5.41	0.00	15744851				



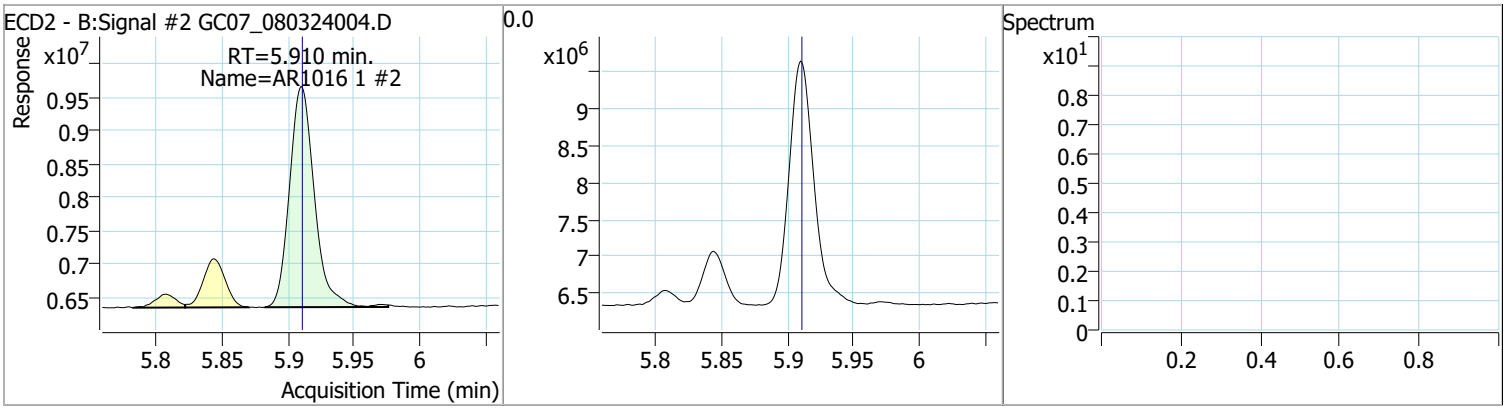
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	532.5124	5.49	0.00	16385223				



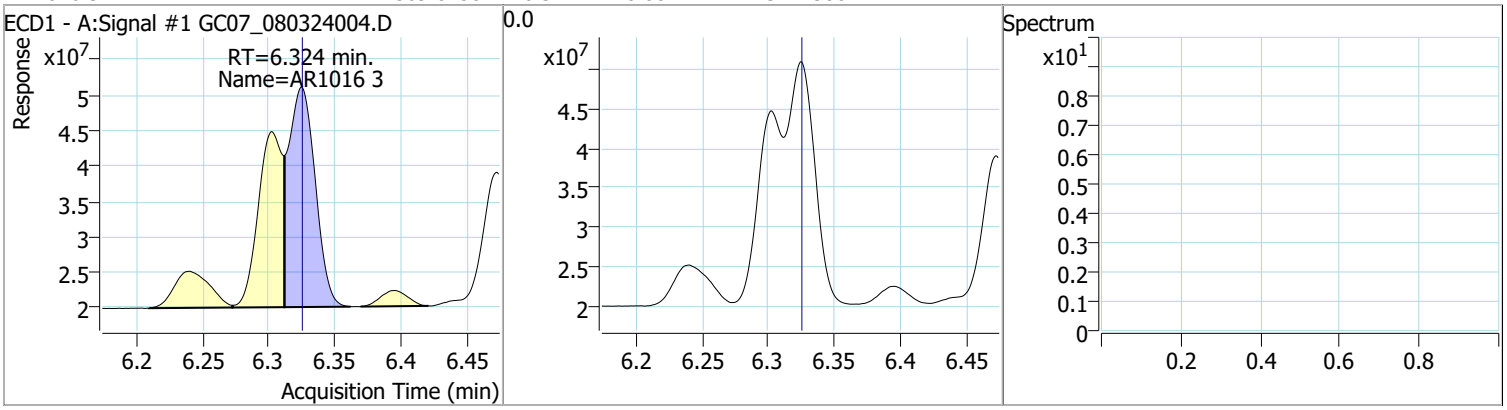
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	516.3291	5.85	0.00	33004437				



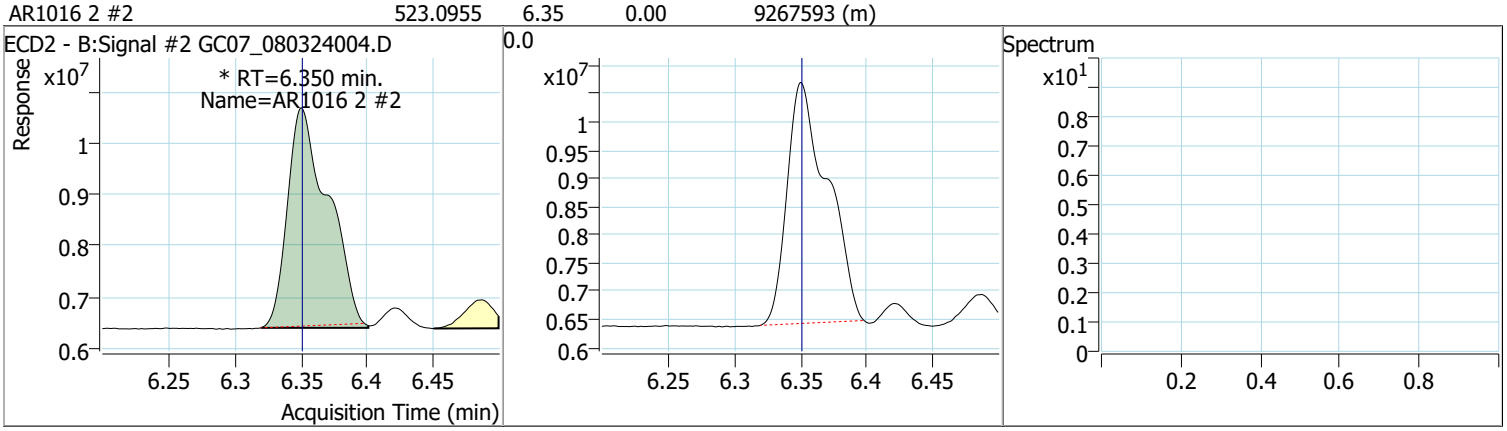
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	504.4711	5.91	0.00	4325915				



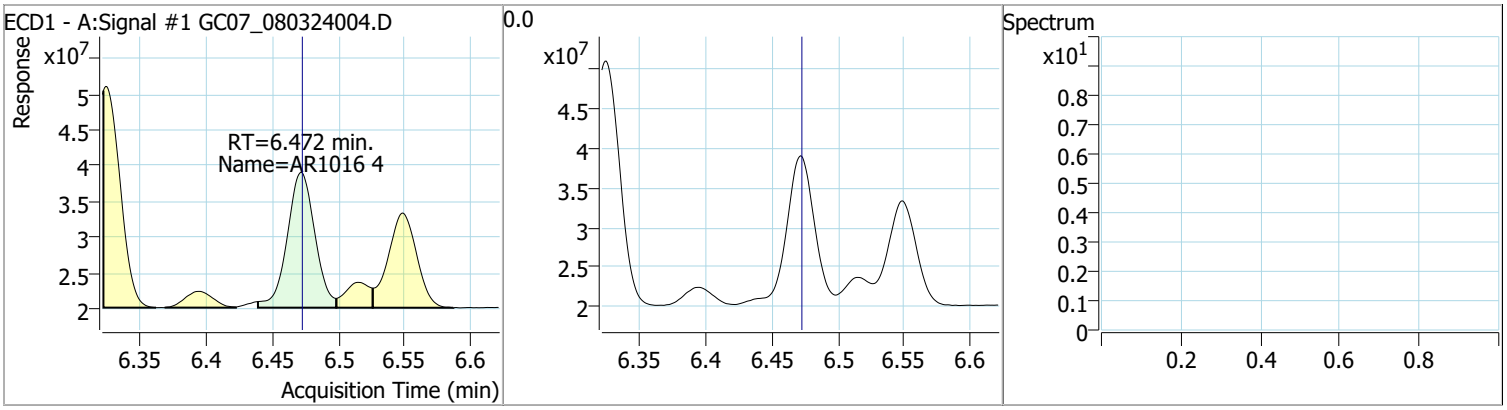
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	569.0158	6.32	0.00	43114386				



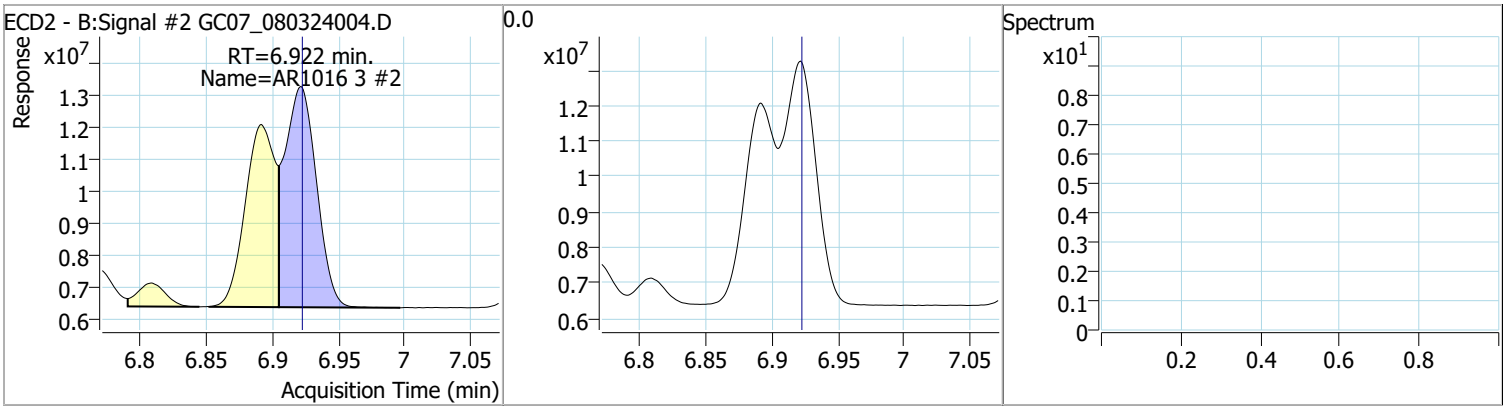
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	523.0955	6.35	0.00	9267593 (m)				



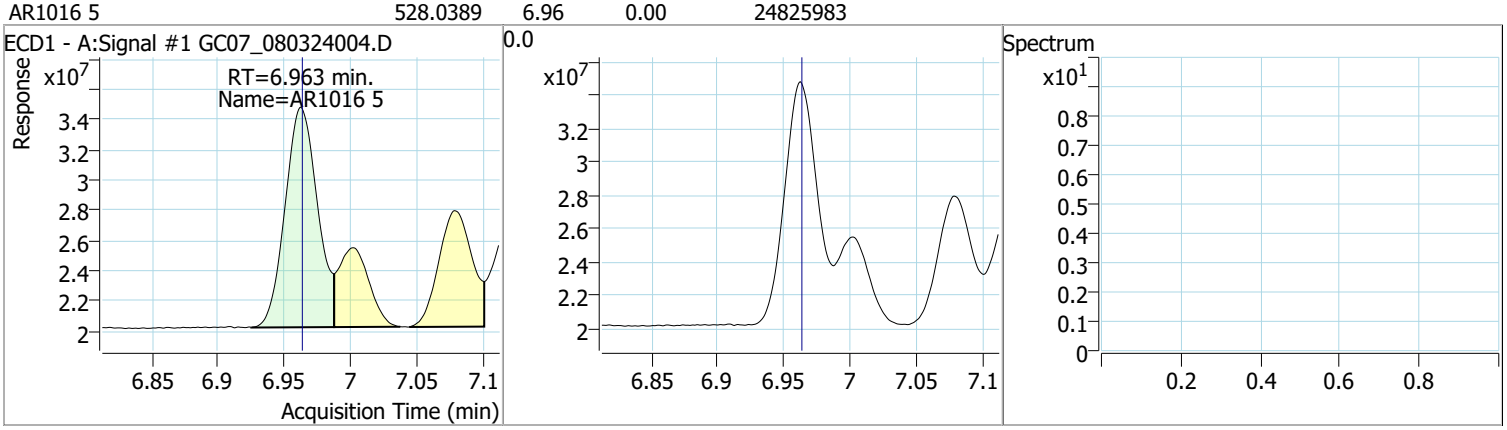
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	514.6884	6.47	0.00	27529176				



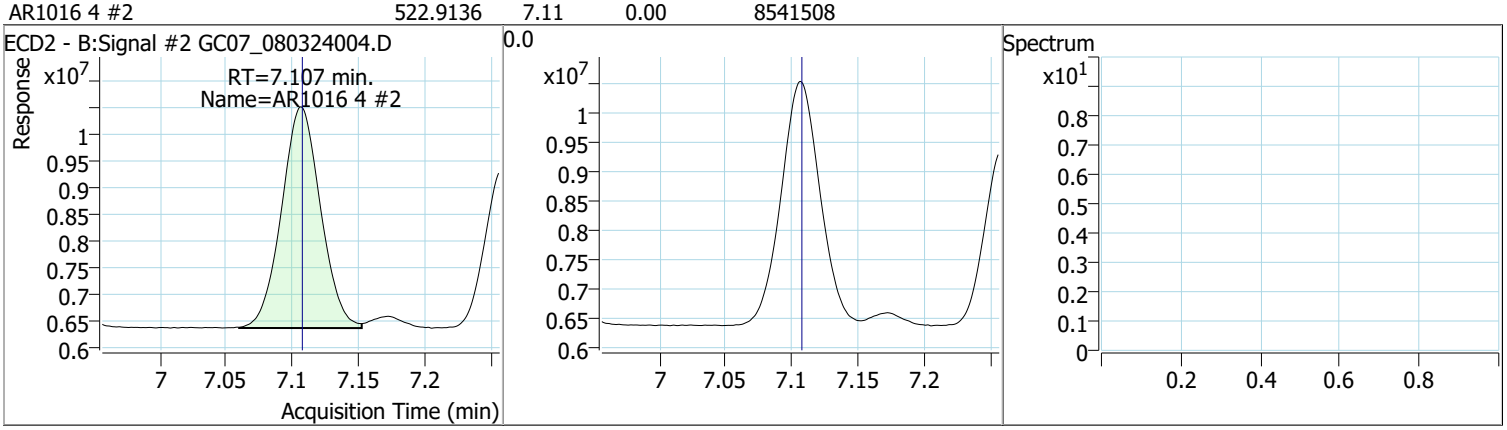
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	516.7274	6.92	0.00	11417847				



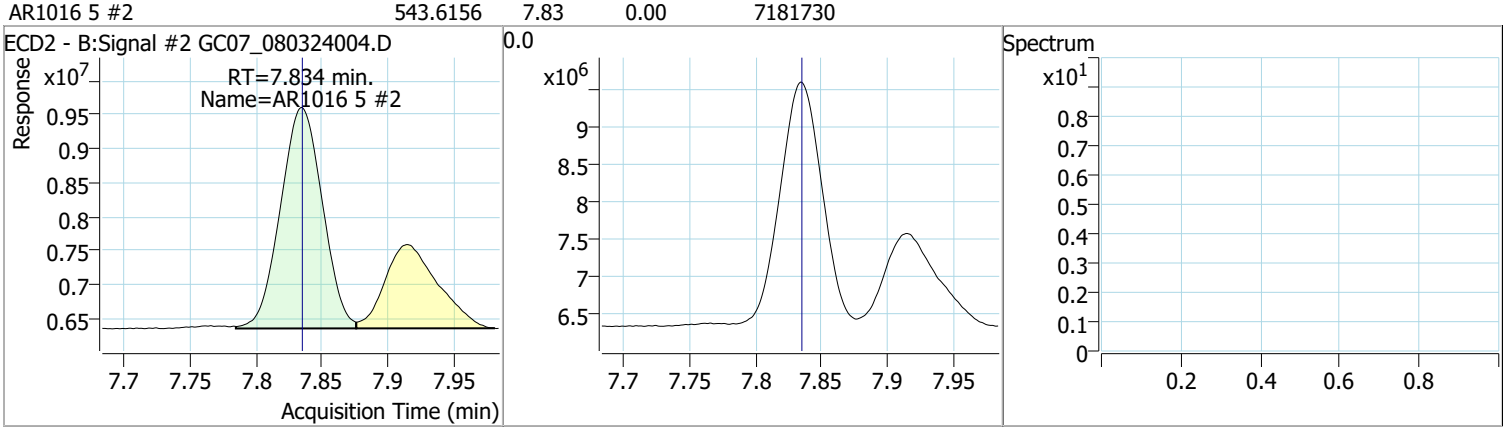
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	528.0389	6.96	0.00	24825983				



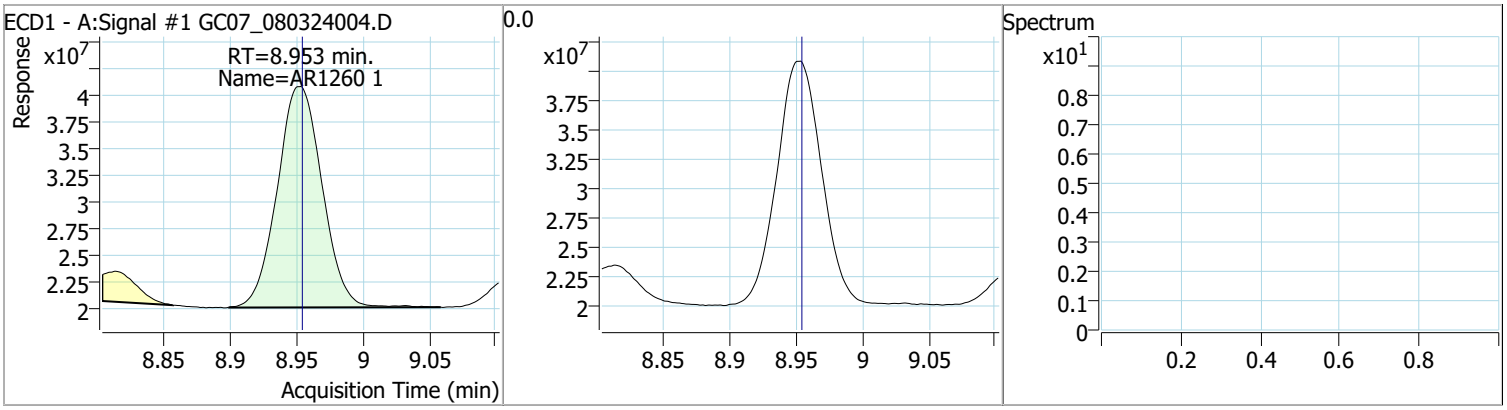
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	522.9136	7.11	0.00	8541508				



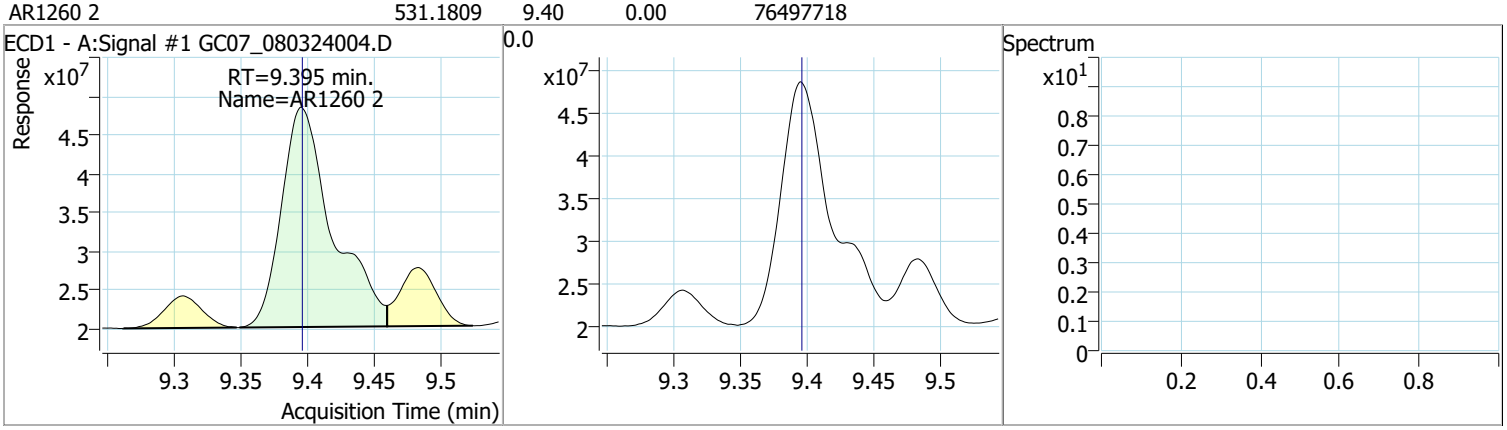
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	543.6156	7.83	0.00	7181730				



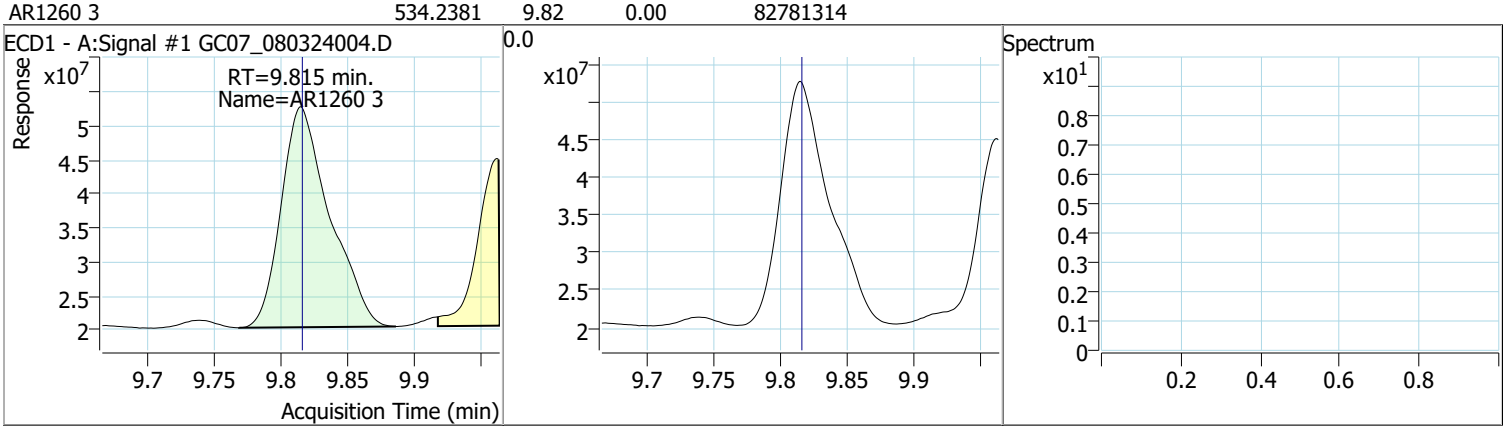
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	518.5383	8.95	0.00	48895156				



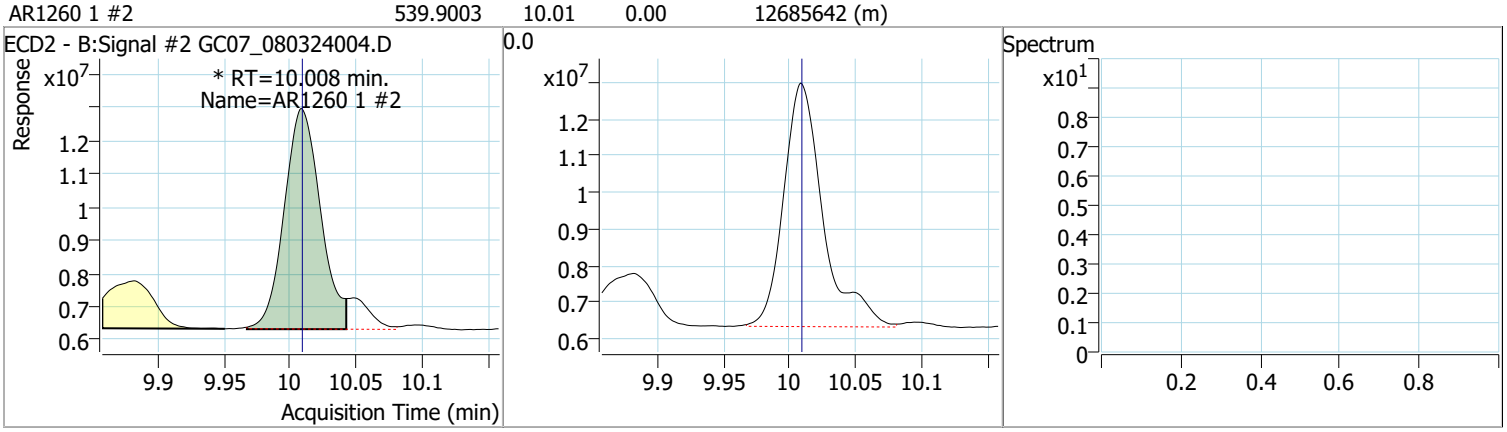
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	531.1809	9.40	0.00	76497718				



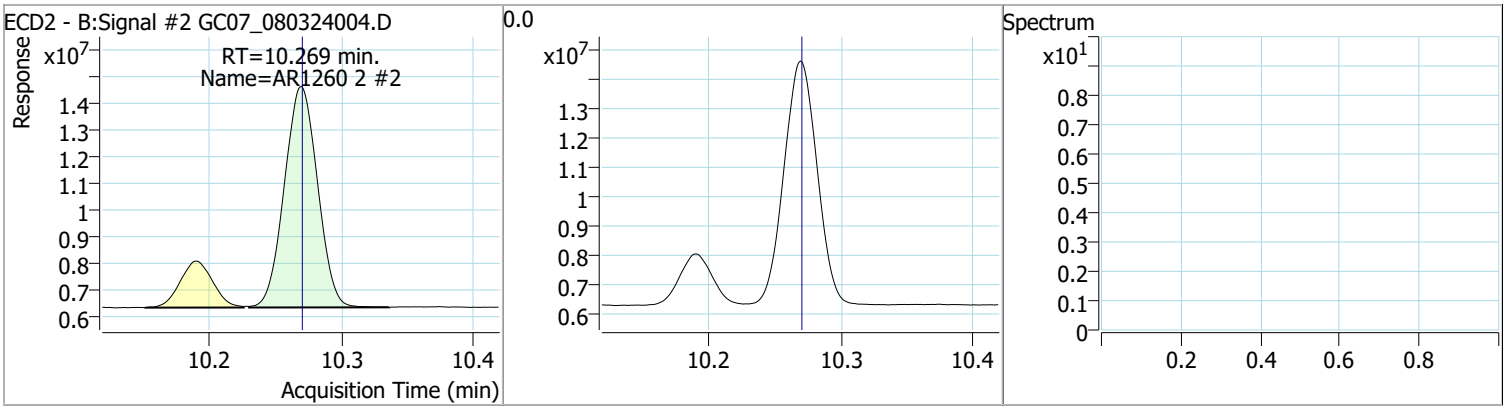
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	534.2381	9.82	0.00	82781314				



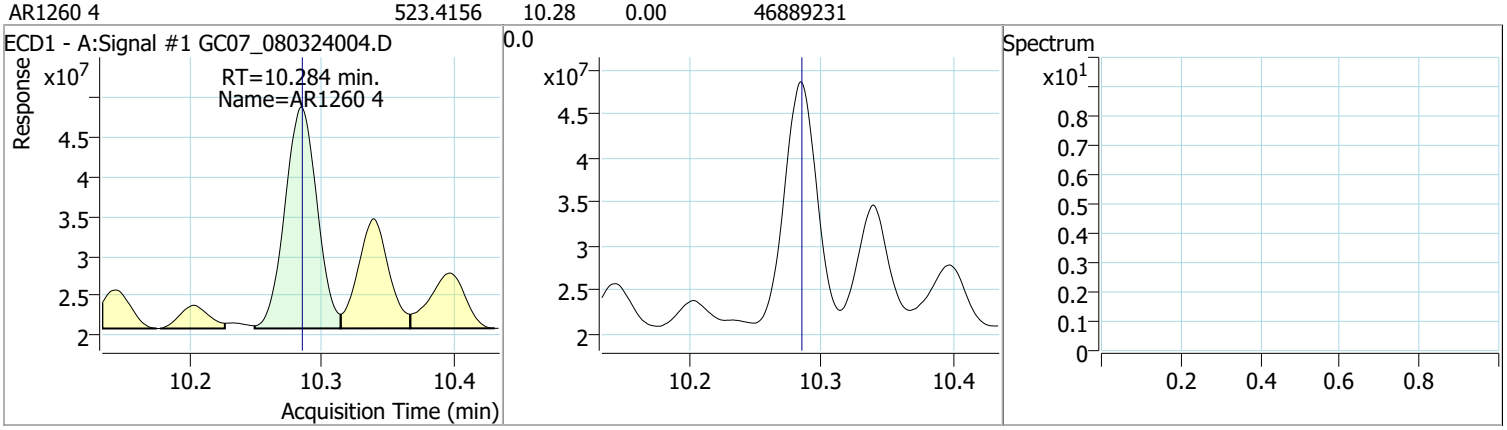
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	539.9003	10.01	0.00	12685642 (m)				



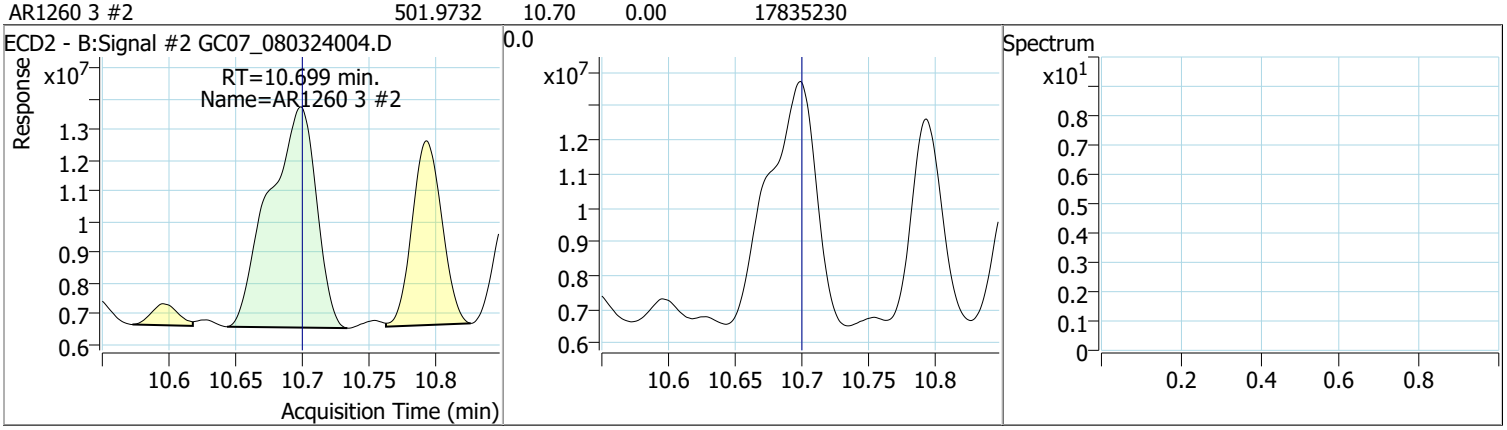
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	492.4830	10.27	0.00	14536905				



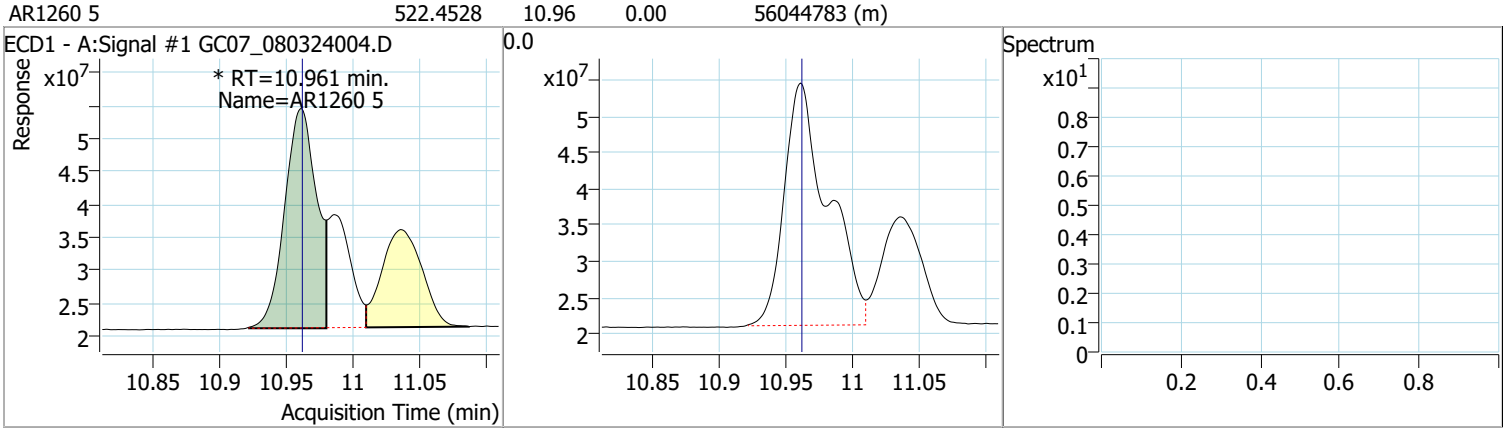
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	523.4156	10.28	0.00	46889231				



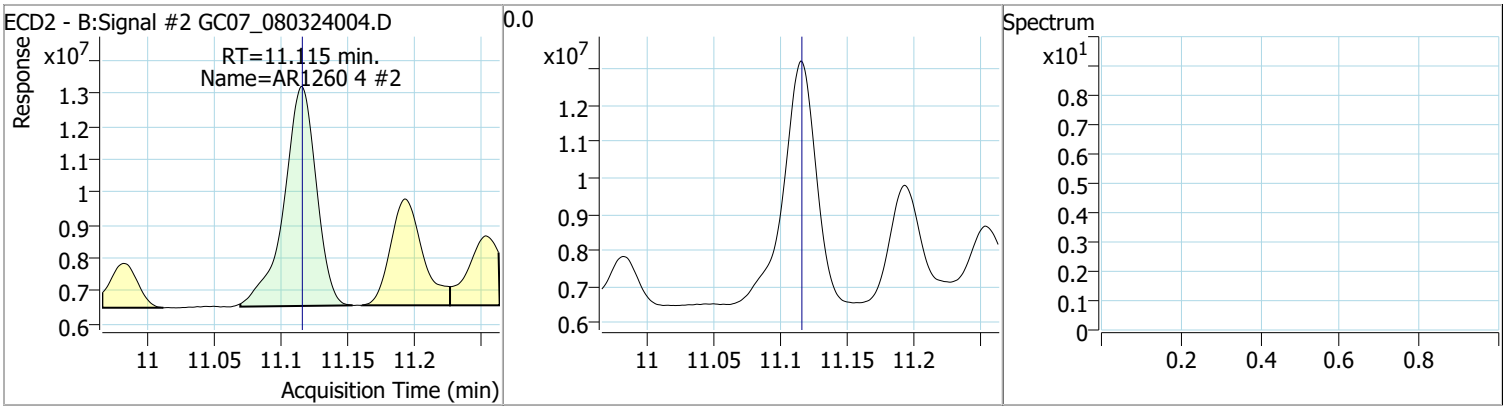
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	501.9732	10.70	0.00	17835230				



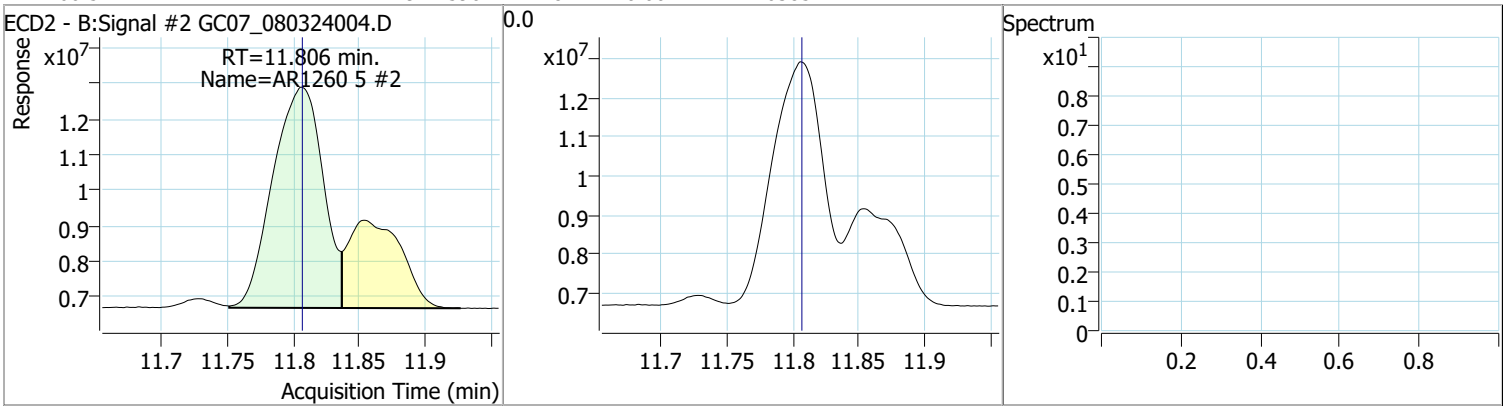
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	522.4528	10.96	0.00	56044783 (m)				



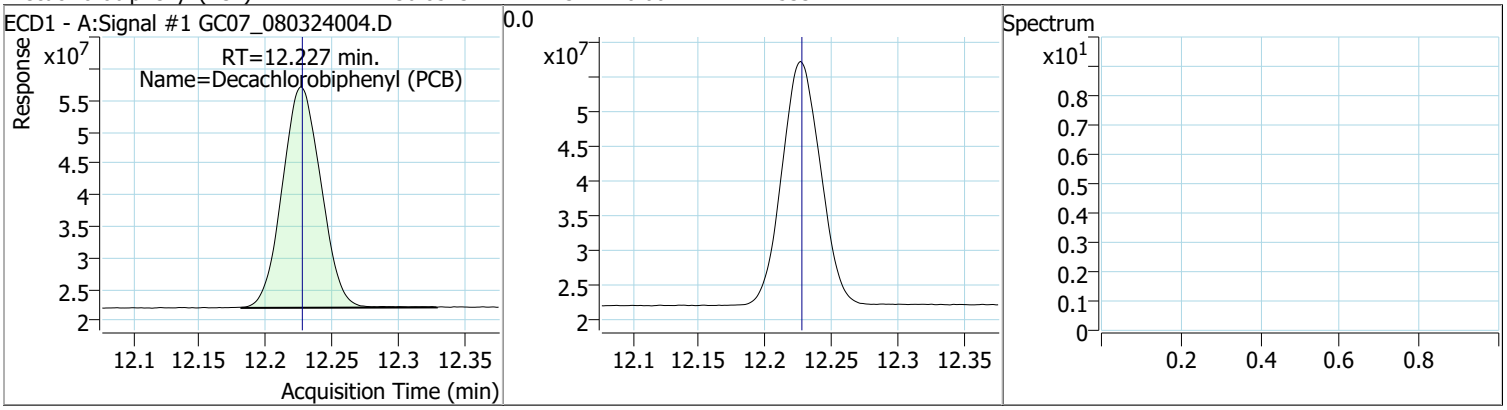
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	505.6328	11.12	0.00	11359882				



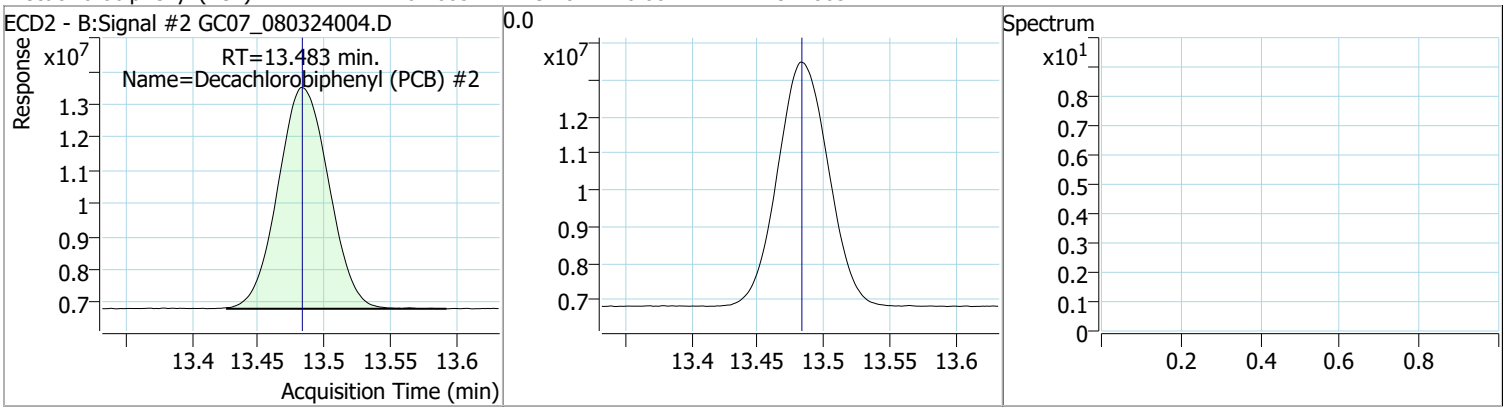
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	491.2590	11.81	0.00	16385211				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.8573	12.23	0.00	71533422				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.4005	13.48	0.00	17924865				



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

enthalpy.com

Lab Job Number : 513150
Report Level : IV
Report Date : 08/08/2024

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 #:	513150
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	07/31/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	513150-002	07/31/24 09:20	Wipe
DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB	513150-003	07/31/24 09:20	Wipe
DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	513150-005	07/31/24 09:30	Wipe
DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	513150-007	07/31/24 09:40	Wipe
DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	513150-010	07/31/24 09:50	Wipe
DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	513150-012	07/31/24 10:10	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 513150 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/31/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/01/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

5131 JO

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

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

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

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

Report: Level IV

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
1	DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	7/31/2024	0920	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	7/31/2024	0920	WP		--		X		Report PCB concentrations on a µg/100cm2 basis
3	DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB	7/31/2024	0920	WP	1	--		X		Report lead concentrations on a µg/ft2 basis
4	DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	7/31/2024	0930	WP	1	--	X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	7/31/2024	0930	WP	1			X		Wipe samples collected from Zone 8 Enclosure B (High Occupancy)
6	DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	7/31/2024	0940	WP	1	--	X			
7	DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	7/31/2024	0940	WP		--		X		2xRivet Type 1 = 0.0276 ft²
8	DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	7/31/2024	0950	WP	1	--	X			
9	DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	7/31/2024	0950	WP	1	--	X			
10	DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	7/31/2024	0950	WP	1	--		X		2xRivet Type 1 = 0.0276 ft²
11	DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	7/31/2024	1010	WP			X			
12	DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	7/31/2024	1010	WP		--		X		
13	240731-P-FIELDBLANK1-HO	7/31/2024	1015	WP	1	--	X			
14										
15										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	7/31/24 1430
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/31/24 1430
[2] Relinquished By:	Audrey Hudson	"	"	7/31/24 1615
[2] Received By:				7/31/24 16:15
[3] Relinquished By:		Jose Perez	Enthalpy	7.31.24 18:19
[3] Received By:		Iris Kelly	Enthalpy	8/1/24 1015

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: 7.31.24 Login # 513150 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 7.31.24 By (print) Jadz Peterson (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 7.31.24 By (print) Jadz Peterson (sign) _____

Date Labeled 7.31.24 By (print) Jadz Peterson (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 NCTRA WP

Date Received: 8/1/24 — 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: 2.3 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: Tri Nguy Date: 8/1/24

SOUTHWEST AIRLINES

Printed on:
31 JUL 19:37

526 OAK 1581 3114

PC#	DG	LOT WT
7 OF 8	G	300 LB (136.1 KG)

SNA

Temp
1-7 / 2-3

STN	FLT	DATE	ETD	LOT 01
OAK	WN 941	01 AUG	06:20	

S

PC ID: 0007
PC WT: 37LB

526 15813114 0007

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 513150 **Project#:** 20-10491

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

Field ID: DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513150-002 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513150-002 Analyte	Result	RL	Units
Lead	**51**	0.50	ug/ft2

Field ID: DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB **Batch#:** 346642 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513150-003 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513150-003 Analyte	Result	RL	Units
Lead	**68**	0.50	ug/ft2

Field ID: DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB **Batch#:** 346644 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513150-005 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513150-005 Analyte	Result	RL	Units
Lead	**77**	0.50	ug/ft2

Field ID: DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA **Batch#:** 346644 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513150-007 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513150-007 Analyte	Result	RL	Units
Lead	**85**	0.50	ug/ft2

Field ID: DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA **Batch#:** 346644 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B
Lab ID: 513150-010 **Received:** 07/31/24 **Analyst:** DXC
Matrix: Wipe **Prepared:** 08/01/24
Diln Fac: 1.000 **Analyzed:** 08/01/24

513150-010 Analyte	Result	RL	Units
Lead	**100**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513150 **Project#:** 20-10491

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

Field ID: DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB **Batch#:** 346644 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 07/31/24 **Analysis:** EPA 6010B

Lab ID: 513150-012 **Received:** 07/31/24 **Analyst:** DXC

Matrix: Wipe **Prepared:** 08/01/24

Diln Fac: 1.000 **Analyzed:** 08/01/24

513150-012 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

Type: BLANK **Batch#:** 346642 **Analysis:** EPA 6010B

Lab ID: QC1174500 **Prepared:** 08/01/24 **Analyst:** DXC

Matrix: Wipe **Analyzed:** 08/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174500 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 346644 **Analysis:** EPA 6010B

Lab ID: QC1174504 **Prepared:** 08/01/24 **Analyst:** DXC

Matrix: Wipe **Analyzed:** 08/01/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174504 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 513150 **Project#:** 20-10491

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

Type: BS **Batch#:** 346642 **Analysis:** EPA 6010B
Lab ID: QC1174501 **Prepared:** 08/01/24 **Analyst:** DXC
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174501 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.19	106	80-120	ug/ft2

Type: BS **Batch#:** 346644 **Analysis:** EPA 6010B
Lab ID: QC1174506 **Prepared:** 08/01/24 **Analyst:** DXC
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174506 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.69	105	80-120	ug/ft2

Type: BSD **Batch#:** 346642 **Analysis:** EPA 6010B
Lab ID: QC1174502 **Prepared:** 08/01/24 **Analyst:** DXC
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174502 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.07	102	80-120	ug/ft2	4	20

Type: BSD **Batch#:** 346644 **Analysis:** EPA 6010B
Lab ID: QC1174507 **Prepared:** 08/01/24 **Analyst:** DXC
Matrix: Wipe **Analyzed:** 08/01/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1174507 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.67	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 513150 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
513150-002	MET12	08/01/24 19:54	1.0	✓
513150-003	MET12	08/01/24 19:57	1.0	✓
513150-005	MET12	08/01/24 20:10	1.0	✓
513150-007	MET12	08/01/24 20:19	1.0	✓
513150-010	MET12	08/01/24 20:22	1.0	✓
513150-012	MET12	08/01/24 20:25	1.0	✓
QC1174500	MET12	08/01/24 18:36	1.0	✓
QC1174501	MET12	08/01/24 18:39	1.0	✓
QC1174502	MET12	08/01/24 18:42	1.0	✓
QC1174504	MET12	08/01/24 20:00	1.0	✓
QC1174506	MET12	08/01/24 20:03	1.0	✓
QC1174507	MET12	08/01/24 20:06	1.0	✓

Enthalpy Sequence Summary for Sequence 794308796

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				08/01/24 10:36	1.0		
002	icp data	ICAL	L1			08/01/24 10:39	1.0	1	
003	icp data	ICAL	L2			08/01/24 10:42	1.0	2	
004	icp data	ICAL	L3			08/01/24 10:45	1.0	3	
005	icp data	ICAL	L4			08/01/24 10:49	1.0	4	
006	icp data	ICAL	L5			08/01/24 10:52	1.0	5	
007	icp data	ICAL	L6			08/01/24 10:55	1.0	6	
008	icp data	ICAL	L7			08/01/24 10:58	1.0	7	
009	icp data	ICAL	L8			08/01/24 11:01	1.0	8	
010	icp data	ICV				08/01/24 11:04	1.0	9	
011	icp data	ICB				08/01/24 11:07	1.0		
012	icp data	CRI				08/01/24 11:10	1.0	10	
013	icp data	ICSA				08/01/24 11:14	1.0	11	6:MGASMGCO3=1500
014	icp data	ICSAB				08/01/24 11:17	1.0	12	6:MGASMGCO3=1500
015	icp data	BLANK	QC1174399	Water	346605	08/01/24 11:21	1.0	13	
016	icp data	LCS	QC1174400	Water	346605	08/01/24 11:24	1.0	13	
017	icp data	MSS	513095-001	Water	346605	08/01/24 11:27	1.0	13	4:CAASCACO3=750
018	icp data	MS	QC1174401	Water	346605	08/01/24 11:30	1.0	13	4:CAASCACO3=790
019	icp data	MSD	QC1174402	Water	346605	08/01/24 11:33	1.0	13	4:CAASCACO3=800
020	icp data	SAMPLE	513262-001	Water	346605	08/01/24 11:36	1.0	13	1:FE=47
021	icp data	SAMPLE	513262-002	Water	346605	08/01/24 11:39	1.0	13	1:FE=42
022	icp data	SAMPLE	513262-003	Water	346605	08/01/24 11:42	1.0	13	1:FE=40
023	icp data	SAMPLE	513262-004	Water	346605	08/01/24 11:46	1.0	13	
024	icp data	SAMPLE	513262-005	Water	346605	08/01/24 11:49	1.0	13	1:FE=40
025	icp data	CCV				08/01/24 11:52	1.0	9	
026	icp data	CCB				08/01/24 11:55	1.0		
027	icp data	SAMPLE	513118-001	Water	346605	08/01/24 11:58	1.0	13	1:NA=1100
028	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:01	1.0	13	5:FE=470
029	icp data	MSS	513095-001	Water	346605	08/01/24 12:04	10.0	13	
030	icp data	MS	QC1174401	Water	346605	08/01/24 12:08	10.0	13	
031	icp data	MSD	QC1174402	Water	346605	08/01/24 12:11	10.0	13	
032	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:27	10.0	13	2:FE=80
033	icp data	CCV				08/01/24 12:30	1.0	9	
034	icp data	CCB				08/01/24 12:33	1.0		
035	icp data	BLANK	QC1174321	Soil	346590	08/01/24 12:49	1.0	13	
036	icp data	LCS	QC1174322	Soil	346590	08/01/24 12:53	1.0	13	
037	icp data	SAMPLE	513188-001	Soil	346590	08/01/24 12:56	1.0	13	3:FE=150
038	icp data	SAMPLE	513188-002	Soil	346590	08/01/24 12:59	1.0	13	3:FE=150
039	icp data	SAMPLE	513188-003	Soil	346590	08/01/24 13:02	1.0	13	3:FE=160
040	icp data	SAMPLE	513188-004	Soil	346590	08/01/24 13:05	1.0	13	3:FE=160
041	icp data	SAMPLE	513188-005	Soil	346590	08/01/24 13:08	1.0	13	3:FE=150
042	icp data	SAMPLE	513188-006	Soil	346590	08/01/24 13:11	1.0	13	2:FE=140
043	icp data	SAMPLE	513188-007	Soil	346590	08/01/24 13:14	1.0	13	3:FE=160
044	icp data	SAMPLE	513188-008	Soil	346590	08/01/24 13:18	1.0	13	3:FE=150
045	icp data	CCV				08/01/24 13:21	1.0	9	
046	icp data	CCB				08/01/24 13:24	1.0		
047	icp data	SAMPLE	513188-009	Soil	346590	08/01/24 13:27	1.0	13	3:FE=150
048	icp data	SAMPLE	513188-010	Soil	346590	08/01/24 13:30	1.0	13	3:FE=160
049	icp data	SAMPLE	513188-011	Soil	346590	08/01/24 13:33	1.0	13	2:FE=130
050	icp data	SAMPLE	513188-012	Soil	346590	08/01/24 13:36	1.0	13	2:FE=140
051	icp data	MSS	513203-001	Soil	346590	08/01/24 13:39	1.0	13	4:FEASFE2O3=160
052	icp data	MS	QC1174323	Soil	346590	08/01/24 13:43	1.0	13	4:ALASAL2O3=210
053	icp data	MSD	QC1174324	Soil	346590	08/01/24 13:46	1.0	13	4:ALASAL2O3=180
054	icp data	PDS	QC1174325	Soil	346590	08/01/24 13:49	1.0	13	4:FEASFE2O3=160
055	icp data	SAMPLE	513203-002	Soil	346590	08/01/24 13:52	1.0	13	2:FE=130

Instrument: MET12 Begun: 08/01/24 10:36
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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	513203-003	Soil	346590	08/01/24 13:55	1.0	13	2:FE=140
057	icp data	CCV				08/01/24 13:58	1.0	9	
058	icp data	CCB				08/01/24 14:01	1.0		
059	icp data	SAMPLE	513203-004	Soil	346590	08/01/24 14:04	1.0	13	2:FE=130
060	icp data	SAMPLE	513203-005	Soil	346590	08/01/24 14:07	1.0	13	2:FE=120
061	icp data	SAMPLE	513203-006	Soil	346590	08/01/24 14:11	1.0	13	2:FE=100
062	icp data	SAMPLE	513203-007	Soil	346590	08/01/24 14:14	1.0	13	2:FE=97
063	icp data	SAMPLE	513203-008	Soil	346590	08/01/24 14:17	1.0	13	2:FE=89
064	icp data	BLANK	QC1174282	Soil	346572	08/01/24 14:20	1.0	13	
065	icp data	LCS	QC1174283	Soil	346572	08/01/24 14:23	1.0	13	
066	icp data	SAMPLE	513025-001	Soil	346572	08/01/24 14:26	1.0	13	2:FE=79
067	icp data	SAMPLE	513025-002	Soil	346572	08/01/24 14:29	1.0	13	2:AL=90
068	icp data	SAMPLE	513025-003	Soil	346572	08/01/24 14:32	1.0	13	2:AL=120
069	icp data	CCV				08/01/24 14:36	1.0	9	
070	icp data	CCB				08/01/24 14:39	1.0		
071	icp data	SAMPLE	513084-001	Miscell.	346572	08/01/24 14:42	1.0	13	3:FE=160
072	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 14:45	1.0	13	7:NA=1200
073	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 14:48	1.0	13	4:ZN=190
074	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 14:51	1.0	13	4:ZN=230
075	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 14:54	1.0	13	8:NA=1400
076	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 14:57	1.0	13	4:FE=530
077	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 15:01	10.0	13	1:FE=91
078	icp data	SAMPLE	513111-001	Miscell.	346572	08/01/24 15:04	1.0	13	
079	icp data	SAMPLE	513116-005	Soil	346572	08/01/24 15:07	1.0	13	2:FE=190
080	icp data	SAMPLE	513116-010	Soil	346572	08/01/24 15:10	1.0	13	2:FE=190
081	icp data	CCV				08/01/24 15:13	1.0	9	
082	icp data	CCB				08/01/24 15:16	1.0		
083	icp data	SAMPLE	513116-015	Soil	346572	08/01/24 15:19	1.0	13	2:FE=180
084	icp data	MSS	513140-001	Soil	346572	08/01/24 15:22	1.0	13	4:FEASFE2O3=170
085	icp data	MS	QC1174284	Soil	346572	08/01/24 15:26	1.0	13	4:FEASFE2O3=180
086	icp data	MSD	QC1174285	Soil	346572	08/01/24 15:29	1.0	13	4:FEASFE2O3=190
087	icp data	PDS	QC1174286	Soil	346572	08/01/24 15:32	1.0	13	4:FEASFE2O3=170
088	icp data	SAMPLE	513140-002	Soil	346572	08/01/24 15:35	1.0	13	3:FE=170
089	icp data	SAMPLE	513144-001	Soil	346572	08/01/24 15:38	1.0	13	2:AL=110
090	icp data	SAMPLE	513144-002	Soil	346572	08/01/24 15:41	1.0	13	2:FE=150
091	icp data	BLANK	QC1174365	Soil	346598	08/01/24 15:44	1.0	13	
092	icp data	LCS	QC1174366	Soil	346598	08/01/24 15:47	1.0	13	
093	icp data	CCV				08/01/24 15:51	1.0	9	
094	icp data	CCB				08/01/24 15:54	1.0		
095	icp data	SAMPLE	513116-020	Soil	346598	08/01/24 15:57	1.0	13	2:FE=190
096	icp data	MSS	513194-001	Soil	346598	08/01/24 16:00	1.0	13	4:ALASAL2O3=280
097	icp data	MS	QC1174367	Soil	346598	08/01/24 16:03	1.0	13	5:ALASAL2O3=350
098	icp data	MSD	QC1174368	Soil	346598	08/01/24 16:06	1.0	13	5:ALASAL2O3=340
099	icp data	PDS	QC1174369	Soil	346598	08/01/24 16:09	1.0	13	5:ALASAL2O3=280
100	icp data	SAMPLE	513194-004	Soil	346598	08/01/24 16:12	1.0	13	3:FE=160
101	icp data	SAMPLE	513194-007	Soil	346598	08/01/24 16:15	1.0	13	2:AL=140
102	icp data	SAMPLE	513194-010	Soil	346598	08/01/24 16:19	1.0	13	2:FE=130
103	icp data	SAMPLE	513194-013	Soil	346598	08/01/24 16:22	1.0	13	2:FE=150
104	icp data	SAMPLE	513194-016	Soil	346598	08/01/24 16:25	1.0	13	3:FE=170
105	icp data	CCV				08/01/24 16:28	1.0	9	
106	icp data	CCB				08/01/24 16:31	1.0		
107	icp data	SAMPLE	513194-019	Soil	346598	08/01/24 16:34	1.0	13	3:FE=150
108	icp data	SAMPLE	513194-022	Soil	346598	08/01/24 16:37	1.0	13	3:FE=160
109	icp data	SAMPLE	513194-025	Soil	346598	08/01/24 16:40	1.0	13	2:FE=150
110	icp data	SAMPLE	513194-028	Soil	346598	08/01/24 16:44	1.0	13	2:FE=150

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
111	icp data	SAMPLE	513194-031	Soil	346598	08/01/24 16:47	1.0	13	3:FE=150
112	icp data	BLANK	QC1174524	Wipe	346648	08/01/24 16:50	1.0	13	
113	icp data	BS	QC1174525	Wipe	346648	08/01/24 16:53	1.0	13	
114	icp data	BSD	QC1174526	Wipe	346648	08/01/24 16:56	1.0	13	
115	icp data	SAMPLE	513257-001	Wipe	346648	08/01/24 16:59	1.0	13	
116	icp data	BLANK	QC1174475	Soil	346634	08/01/24 17:02	1.0	13	
117	icp data	CCV				08/01/24 17:05	1.0	9	
118	icp data	CCB				08/01/24 17:08	1.0		
119	icp data	LCS	QC1174476	Soil	346634	08/01/24 17:12	1.0	13	
120	icp data	MSS	512866-001	Soil	346634	08/01/24 17:15	1.0	13	4:ALASAL2O3=130
121	icp data	MS	QC1174477	Soil	346634	08/01/24 17:18	1.0	13	4:ALASAL2O3=190
122	icp data	MSD	QC1174478	Soil	346634	08/01/24 17:21	1.0	13	4:ALASAL2O3=190
123	icp data	PDS	QC1174479	Soil	346634	08/01/24 17:24	1.0	13	4:ALASAL2O3=130
124	icp data	SAMPLE	512866-002	Soil	346634	08/01/24 17:27	1.0	13	2:AL=64
125	icp data	SAMPLE	512866-003	Soil	346634	08/01/24 17:30	1.0	13	2:AL=64
126	icp data	SAMPLE	512866-004	Soil	346634	08/01/24 17:33	1.0	13	2:AL=57
127	icp data	SAMPLE	512866-005	Soil	346634	08/01/24 17:37	1.0	13	2:AL=89
128	icp data	SAMPLE	512866-006	Soil	346634	08/01/24 17:40	1.0	13	2:AL=52
129	icp data	CCV				08/01/24 17:43	1.0	9	
130	icp data	CCB				08/01/24 17:46	1.0		
131	icp data	SAMPLE	512866-007	Soil	346634	08/01/24 17:49	1.0	13	2:FE=79
132	icp data	SAMPLE	512866-008	Soil	346634	08/01/24 17:52	1.0	13	2:FE=92
133	icp data	SAMPLE	512866-009	Soil	346634	08/01/24 17:55	1.0	13	2:FE=78
134	icp data	SAMPLE	512866-010	Soil	346634	08/01/24 17:58	1.0	13	2:AL=61
135	icp data	SAMPLE	512866-011	Soil	346634	08/01/24 18:01	1.0	13	2:AL=71
136	icp data	SAMPLE	512866-012	Soil	346634	08/01/24 18:05	1.0	13	2:AL=62
137	icp data	SAMPLE	513246-001	Soil	346634	08/01/24 18:08	1.0	13	2:FE=160
138	icp data	SAMPLE	513246-003	Soil	346634	08/01/24 18:11	1.0	13	2:FE=140
139	icp data	SAMPLE	513246-006	Soil	346634	08/01/24 18:14	1.0	13	2:FE=130
140	icp data	SAMPLE	513264-001	Miscell.	346634	08/01/24 18:17	1.0	13	1:FE=44
141	icp data	CCV				08/01/24 18:20	1.0	9	
142	icp data	CCB				08/01/24 18:23	1.0		
143	icp data	SAMPLE	513265-001	Miscell.	346634	08/01/24 18:26	1.0	13	2:AL=130
144	icp data	SAMPLE	513265-002	Miscell.	346634	08/01/24 18:30	1.0	13	2:AL=100
145	icp data	SAMPLE	513265-003	Miscell.	346634	08/01/24 18:33	1.0	13	2:AL=100
146	icp data	BLANK	QC1174500	Wipe	346642	08/01/24 18:36	1.0	13	
147	icp data	BS	QC1174501	Wipe	346642	08/01/24 18:39	1.0	13	
148	icp data	BSD	QC1174502	Wipe	346642	08/01/24 18:42	1.0	13	
149	icp data	SAMPLE	513148-021	Wipe	346642	08/01/24 18:45	1.0	13	2:ZN=290
150	icp data	SAMPLE	513148-022	Wipe	346642	08/01/24 18:48	1.0	13	2:ZN=270
151	icp data	SAMPLE	513148-023	Wipe	346642	08/01/24 18:51	1.0	13	2:FE=100
152	icp data	SAMPLE	513148-024	Wipe	346642	08/01/24 18:55	1.0	13	2:FE=79
153	icp data	CCV				08/01/24 18:58	1.0	9	
154	icp data	CCB				08/01/24 19:01	1.0		
155	icp data	SAMPLE	513148-025	Wipe	346642	08/01/24 19:04	1.0	13	2:ZN=110
156	icp data	SAMPLE	513148-026	Wipe	346642	08/01/24 19:07	1.0	13	2:FE=98
157	icp data	SAMPLE	513148-027	Wipe	346642	08/01/24 19:10	1.0	13	
158	icp data	SAMPLE	513148-028	Wipe	346642	08/01/24 19:13	1.0	13	
159	icp data	SAMPLE	513148-029	Wipe	346642	08/01/24 19:16	1.0	13	
160	icp data	SAMPLE	513148-030	Wipe	346642	08/01/24 19:20	1.0	13	
161	icp data	SAMPLE	513148-031	Wipe	346642	08/01/24 19:23	1.0	13	2:ZN=310
162	icp data	SAMPLE	513149-001	Wipe	346642	08/01/24 19:26	1.0	13	1:FE=37
163	icp data	SAMPLE	513149-002	Wipe	346642	08/01/24 19:29	1.0	13	2:ZN=94
164	icp data	SAMPLE	513149-003	Wipe	346642	08/01/24 19:32	1.0	13	2:ZN=72
165	icp data	CCV				08/01/24 19:35	1.0	9	

Enthalpy Sequence Summary for Sequence 794308796

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	CCB				08/01/24 19:38	1.0		
167	icp data	SAMPLE	513149-004	Wipe	346642	08/01/24 19:41	1.0	13	2:ZN=81
168	icp data	SAMPLE	513149-005	Wipe	346642	08/01/24 19:45	1.0	13	1:FE=44
169	icp data	SAMPLE	513149-006	Wipe	346642	08/01/24 19:48	1.0	13	
170	icp data	SAMPLE	513149-007	Wipe	346642	08/01/24 19:51	1.0	13	
171	icp data	SAMPLE	513150-002	Wipe	346642	08/01/24 19:54	1.0	13	1:FE=46
172	icp data	SAMPLE	513150-003	Wipe	346642	08/01/24 19:57	1.0	13	1:FE=48
173	icp data	BLANK	QC1174504	Wipe	346644	08/01/24 20:00	1.0	13	
174	icp data	BS	QC1174506	Wipe	346644	08/01/24 20:03	1.0	13	
175	icp data	BSD	QC1174507	Wipe	346644	08/01/24 20:06	1.0	13	
176	icp data	SAMPLE	513150-005	Wipe	346644	08/01/24 20:10	1.0	13	2:FE=43
177	icp data	CCV				08/01/24 20:13	1.0	9	
178	icp data	CCB				08/01/24 20:16	1.0		
179	icp data	SAMPLE	513150-007	Wipe	346644	08/01/24 20:19	1.0	13	2:ZN=50
180	icp data	SAMPLE	513150-010	Wipe	346644	08/01/24 20:22	1.0	13	2:FE=57
181	icp data	SAMPLE	513150-012	Wipe	346644	08/01/24 20:25	1.0	13	2:ZN=98
182	icp data	SAMPLE	513228-002	Wipe	346644	08/01/24 20:28	1.0	13	1:FE=63
183	icp data	SAMPLE	513228-004	Wipe	346644	08/01/24 20:32	1.0	13	2:ZN=210
184	icp data	SAMPLE	513228-006	Wipe	346644	08/01/24 20:35	1.0	13	1:FE=57
185	icp data	SAMPLE	513228-008	Wipe	346644	08/01/24 20:38	1.0	13	2:FE=47
186	icp data	SAMPLE	513228-010	Wipe	346644	08/01/24 20:41	1.0	13	2:ZN=160
187	icp data	SAMPLE	513228-011	Wipe	346644	08/01/24 20:44	1.0	13	2:ZN=160
188	icp data	CCV				08/01/24 20:47	1.0	9	
189	icp data	CCB				08/01/24 20:50	1.0		
190	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 21:18	100.0	13	
191	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 21:22	10.0	13	1:ZN=30
192	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 21:25	10.0	13	1:ZN=42
193	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 21:28	100.0	13	
194	icp data	SAMPLE	513148-011	Wipe	346641	08/01/24 21:31	10.0	13	1:ZN=35
195	icp data	SAMPLE	513148-012	Wipe	346641	08/01/24 21:34	10.0	13	
196	icp data	SAMPLE	513148-016	Wipe	346641	08/01/24 21:37	10.0	13	1:ZN=34
197	icp data	BLANK	QC1174672	WET Leachate	346699	08/01/24 21:40	1.0	13	
198	icp data	BS	QC1174673	WET Leachate	346699	08/01/24 21:43	1.0	13	
199	icp data	BSD	QC1174674	WET Leachate	346699	08/01/24 21:47	1.0	13	
200	icp data	CCV				08/01/24 21:50	1.0	9	
201	icp data	CCB				08/01/24 21:53	1.0		
202	icp data	SAMPLE	512878-001	WET Leachate	346699	08/01/24 21:56	1.0	13	
203	icp data	SAMPLE	512878-002	WET Leachate	346699	08/01/24 21:59	1.0	13	
204	icp data	BLANK	QC1174622	Soil	346680	08/01/24 22:02	1.0	13	
205	icp data	LCS	QC1174623	Soil	346680	08/01/24 22:05	1.0	13	
206	icp data	SAMPLE	512470-001	Miscell.	346680	08/01/24 22:09	1.0	13	
207	icp data	SAMPLE	513185-001	Soil	346680	08/01/24 22:12	1.0	13	2:FE=130
208	icp data	SAMPLE	513186-001	Soil	346680	08/01/24 22:15	1.0	13	2:FE=160
209	icp data	SAMPLE	513242-001	Miscell.	346680	08/01/24 22:18	1.0	13	3:FE=140
210	icp data	SAMPLE	513242-002	Miscell.	346680	08/01/24 22:21	1.0	13	3:FE=130
211	icp data	SAMPLE	513242-024	Soil	346680	08/01/24 22:24	1.0	13	3:FE=200
212	icp data	CCV				08/01/24 22:27	1.0	9	
213	icp data	CCB				08/01/24 22:30	1.0		
214	icp data	SAMPLE	513242-025	Soil	346680	08/01/24 22:34	1.0	13	3:FE=180
215	icp data	SAMPLE	513242-026	Soil	346680	08/01/24 22:37	1.0	13	2:FE=240
216	icp data	SAMPLE	513242-027	Soil	346680	08/01/24 22:40	1.0	13	3:FE=230
217	icp data	SAMPLE	513242-028	Soil	346680	08/01/24 22:43	1.0	13	2:FE=170
218	icp data	SAMPLE	513254-001	Miscell.	346680	08/01/24 22:46	1.0	13	2:FE=220
219	icp data	MSS	513292-001	Soil	346680	08/01/24 22:49	1.0	13	4:FEASFE2O3=180
220	icp data	MS	QC1174624	Soil	346680	08/01/24 22:52	1.0	13	5:FEASFE2O3=197

Enthalpy Sequence Summary for Sequence 794308796

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
221	icp data	MSD	QC1174625	Soil	346680	08/01/24 22:56	1.0	13	5:FEASFE2O3=190
222	icp data	PDS	QC1174626	Soil	346680	08/01/24 22:59	1.0	13	4:FEASFE2O3=180
223	icp data	SAMPLE	513292-002	Soil	346680	08/01/24 23:02	1.0	13	2:FE=120
224	icp data	CCV				08/01/24 23:05	1.0	9	
225	icp data	CCB				08/01/24 23:08	1.0		
226	icp data	SAMPLE	513292-003	Soil	346680	08/01/24 23:11	1.0	13	3:FE=130
227	icp data	SAMPLE	513292-004	Soil	346680	08/01/24 23:14	1.0	13	2:FE=130
228	icp data	SAMPLE	513292-005	Soil	346680	08/01/24 23:17	1.0	13	2:FE=120
229	icp data	SAMPLE	513292-006	Soil	346680	08/01/24 23:21	1.0	13	2:FE=130
230	icp data	SAMPLE	513302-009	Soil	346680	08/01/24 23:24	1.0	13	2:AL=130
231	icp data	SAMPLE	513302-010	Soil	346680	08/01/24 23:27	1.0	13	2:FE=130
232	icp data	BLANK	QC1174653	Filtrate	346696	08/01/24 23:30	1.0	13	
233	icp data	LCS	QC1174654	Filtrate	346696	08/01/24 23:33	1.0	13	
234	icp data	SAMPLE	512693-001	Filtrate	346696	08/01/24 23:36	1.0	13	
235	icp data	MSS	513192-001	Filtrate	346696	08/01/24 23:39	1.0	13	1:CAASCACO3=270
236	icp data	CCV				08/01/24 23:43	1.0	9	
237	icp data	CCB				08/01/24 23:46	1.0		
238	icp data	MS	QC1174655	Filtrate	346696	08/01/24 23:49	1.0	13	1:CAASCACO3=320
239	icp data	MSD	QC1174656	Filtrate	346696	08/01/24 23:52	1.0	13	1:CAASCACO3=320
240	icp data	SAMPLE	513269-001	Filtrate	346696	08/01/24 23:55	1.0	13	
241	icp data	SAMPLE	513269-002	Filtrate	346696	08/01/24 23:58	1.0	13	
242	icp data	SAMPLE	513269-003	Filtrate	346696	08/02/24 00:01	1.0	13	4:MG=1100
243	icp data	SAMPLE	513269-004	Filtrate	346696	08/02/24 00:04	1.0	13	
244	icp data	SAMPLE	513269-005	Filtrate	346696	08/02/24 00:08	1.0	13	3:CA=1500
245	icp data	SAMPLE	513269-006	Filtrate	346696	08/02/24 00:11	1.0	13	4:CA=1400
246	icp data	SAMPLE	513269-007	Filtrate	346696	08/02/24 00:14	1.0	13	1:FE=22
247	icp data	SAMPLE	513269-008	Filtrate	346696	08/02/24 00:17	1.0	13	1:CA=910
248	icp data	CCV				08/02/24 00:20	1.0	9	
249	icp data	CCB				08/02/24 00:23	1.0		

SBW 08/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 035.

SBW 08/02/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 036 through 249.

Standards Used:
1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20782 8=S21161 9=S21323 10=S20459 11=S21125 12=S21126 13=S16862

Enthalpy Internal Standard Summary for Sequence 794308796

Date: 08/01/24 Reference: icp data
Sequence: MET12 08/01/24 Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	124916	21871
		LOWER LIMIT	37475	6561
		UPPER LIMIT	249832	43742
011	ICB		126638	21939
013	ICSA		115803	20567
014	ICSAB		115917	20523
015	BLANK	QC1174399	126581	22218
016	LCS	QC1174400	124463	21902
017	MSS	513095-001	120294	20962
018	MS	QC1174401	119421	20884
019	MSD	QC1174402	119280	20867
020	SAMPLE	513262-001	121171	21303
021	SAMPLE	513262-002	121155	21431
022	SAMPLE	513262-003	121123	21395
023	SAMPLE	513262-004	122236	21518
024	SAMPLE	513262-005	121373	21352
025	CCV		123052	21366
026	CCB		127026	21930
027	SAMPLE	513118-001	105451	18898
028	SAMPLE	513219-001	112506	20262
029	MSS	513095-001	127195	22107
030	MS	QC1174401	126641	21966
031	MSD	QC1174402	126400	21956
032	SAMPLE	513219-001	124197	21715
033	CCV		122688	21424
034	CCB		126839	21986
035	BLANK	QC1174321	124232	22133
036	LCS	QC1174322	123978	21934
037	SAMPLE	513188-001	123612	22069
038	SAMPLE	513188-002	123160	22040
039	SAMPLE	513188-003	122025	21859
040	SAMPLE	513188-004	123259	21993
041	SAMPLE	513188-005	124505	22078
042	SAMPLE	513188-006	123894	22083
043	SAMPLE	513188-007	122425	21769
044	SAMPLE	513188-008	123424	22078
045	CCV		122770	21336
046	CCB		126009	21732
047	SAMPLE	513188-009	122980	21993
048	SAMPLE	513188-010	122722	21892
049	SAMPLE	513188-011	123839	21972
050	SAMPLE	513188-012	123119	21898
051	MSS	513203-001	123692	21965
052	MS	QC1174323	122552	21914
053	MSD	QC1174324	121645	21814
054	PDS	QC1174325	124102	22033
055	SAMPLE	513203-002	121942	21811
056	SAMPLE	513203-003	122870	21886
057	CCV		123048	21449
058	CCB		126575	22034
059	SAMPLE	513203-004	123427	22042
060	SAMPLE	513203-005	123029	21944
061	SAMPLE	513203-006	122529	21797
062	SAMPLE	513203-007	123780	22079
063	SAMPLE	513203-008	123682	22110
064	BLANK	QC1174282	126572	22257
065	LCS	QC1174283	125134	22070

Date: 08/01/24 Reference: icp data
Sequence: MET12 08/01/24 Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
066	SAMPLE	513025-001	124074	22106
067	SAMPLE	513025-002	125098	22244
068	SAMPLE	513025-003	123806	22281
069	CCV		122978	21461
070	CCB		126031	21927
071	SAMPLE	513084-001	121114	21607
072	SAMPLE	513092-001	120742	21374
073	SAMPLE	513092-002	125674	22193
074	SAMPLE	513092-003	121988	21618
075	SAMPLE	513092-004	120357	21492
076	SAMPLE	513092-005	121215	21264
077	SAMPLE	513092-005	126322	21955
078	SAMPLE	513111-001	122884	21708
079	SAMPLE	513116-005	122596	21873
080	SAMPLE	513116-010	123271	21845
081	CCV		122604	21450
082	CCB		126444	21985
083	SAMPLE	513116-015	122506	21858
084	MSS	513140-001	123243	21930
085	MS	QC1174284	121772	21725
086	MSD	QC1174285	121689	21763
087	PDS	QC1174286	123228	21859
088	SAMPLE	513140-002	121975	21841
089	SAMPLE	513144-001	129224	23095
090	SAMPLE	513144-002	122293	21832
091	BLANK	QC1174365	127687	22360
092	LCS	QC1174366	125007	22006
093	CCV		122203	21288
094	CCB		125728	21889
095	SAMPLE	513116-020	123751	22055
096	MSS	513194-001	123193	21975
097	MS	QC1174367	121995	21965
098	MSD	QC1174368	122436	21945
099	PDS	QC1174369	123087	21982
100	SAMPLE	513194-004	123843	22100
101	SAMPLE	513194-007	123994	22122
102	SAMPLE	513194-010	123458	22022
103	SAMPLE	513194-013	123386	22023
104	SAMPLE	513194-016	123652	22098
105	CCV		121963	21332
106	CCB		125241	21760
107	SAMPLE	513194-019	122307	21864
108	SAMPLE	513194-022	122747	21926
109	SAMPLE	513194-025	124521	22184
110	SAMPLE	513194-028	124644	22094
111	SAMPLE	513194-031	123366	21987
112	BLANK	QC1174524	124127	21957
113	BS	QC1174525	122718	21766
114	BSD	QC1174526	120726	21735
115	SAMPLE	513257-001	124167	21985
116	BLANK	QC1174475	125886	22209
117	CCV		120379	20936
118	CCB		125570	21818
119	LCS	QC1174476	124004	21921
120	MSS	512866-001	123687	22086
121	MS	QC1174477	122003	21893
122	MSD	QC1174478	123468	22042

Enthalpy Internal Standard Summary for Sequence 794308796

Date: 08/01/24 Reference: icp data
Sequence: MET12 08/01/24 Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
123	PDS	QC1174479	123417	21916
124	SAMPLE	512866-002	124937	22166
125	SAMPLE	512866-003	125430	22114
126	SAMPLE	512866-004	125331	22128
127	SAMPLE	512866-005	124229	22062
128	SAMPLE	512866-006	126448	22299
129	CCV		121619	21316
130	CCB		125422	21806
131	SAMPLE	512866-007	124033	21905
132	SAMPLE	512866-008	124340	21962
133	SAMPLE	512866-009	123990	22034
134	SAMPLE	512866-010	126567	22354
135	SAMPLE	512866-011	125917	22248
136	SAMPLE	512866-012	126100	22265
137	SAMPLE	513246-001	124024	21937
138	SAMPLE	513246-003	125199	22149
139	SAMPLE	513246-006	124956	22030
140	SAMPLE	513264-001	127335	22234
141	CCV		122301	21371
142	CCB		123479	21314
143	SAMPLE	513265-001	123980	21781
144	SAMPLE	513265-002	123297	21848
145	SAMPLE	513265-003	122318	21824
146	BLANK	QC1174500	122316	21670
147	BS	QC1174501	122158	21612
148	BSD	QC1174502	123359	21839
149	SAMPLE	513148-021	121994	21444
150	SAMPLE	513148-022	117847	20909
151	SAMPLE	513148-023	118514	21141
152	SAMPLE	513148-024	116700	20660
153	CCV		123521	21599
154	CCB		126885	22083
155	SAMPLE	513148-025	117908	20934
156	SAMPLE	513148-026	120377	21414
157	SAMPLE	513148-027	118790	21080
158	SAMPLE	513148-028	121090	21508
159	SAMPLE	513148-029	118988	21068
160	SAMPLE	513148-030	117954	20846
161	SAMPLE	513148-031	118460	20810
162	SAMPLE	513149-001	118576	21092
163	SAMPLE	513149-002	119231	21021
164	SAMPLE	513149-003	121038	21293
165	CCV		121931	21265
166	CCB		125106	21816
167	SAMPLE	513149-004	118807	21047
168	SAMPLE	513149-005	116383	20677
169	SAMPLE	513149-006	118935	21068
170	SAMPLE	513149-007	119639	21276
171	SAMPLE	513150-002	119503	21130
172	SAMPLE	513150-003	118841	21028
173	BLANK	QC1174504	119092	21132
174	BS	QC1174506	119022	21168
175	BSD	QC1174507	119128	21205
176	SAMPLE	513150-005	118884	20991
177	CCV		121175	21222
178	CCB		125057	21790
179	SAMPLE	513150-007	117821	20873
180	SAMPLE	513150-010	118000	20923

Enthalpy Internal Standard Summary for Sequence 794308796

Date: 08/01/24 Reference: icp data
Sequence: MET12 08/01/24 Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
181	SAMPLE	513150-012	120023	21203
182	SAMPLE	513228-002	118618	20904
183	SAMPLE	513228-004	120409	20860
184	SAMPLE	513228-006	119739	21096
185	SAMPLE	513228-008	120381	21255
186	SAMPLE	513228-010	120200	21182
187	SAMPLE	513228-011	119575	21046
188	CCV		123276	21423
189	CCB		127200	22142
190	SAMPLE	513092-001	126780	22180
191	SAMPLE	513092-002	128912	22433
192	SAMPLE	513092-003	127753	22383
193	SAMPLE	513092-004	128332	22397
194	SAMPLE	513148-011	127262	22253
195	SAMPLE	513148-012	127695	22325
196	SAMPLE	513148-016	128115	22346
197	BLANK	QC1174672	125437	21710
198	BS	QC1174673	125081	21779
199	BSD	QC1174674	125521	21806
200	CCV		123972	21622
201	CCB		127735	22170
202	SAMPLE	512878-001	124790	21741
203	SAMPLE	512878-002	125282	21715
204	BLANK	QC1174622	126649	22268
205	LCS	QC1174623	125454	22115
206	SAMPLE	512470-001	123678	21723
207	SAMPLE	513185-001	123777	21980
208	SAMPLE	513186-001	122299	21692
209	SAMPLE	513242-001	124050	22068
210	SAMPLE	513242-002	124359	22120
211	SAMPLE	513242-024	123906	22025
212	CCV		125237	21803
213	CCB		129701	22492
214	SAMPLE	513242-025	124248	22098
215	SAMPLE	513242-026	125422	22277
216	SAMPLE	513242-027	125437	22259
217	SAMPLE	513242-028	124765	22135
218	SAMPLE	513254-001	122951	21494
219	MSS	513292-001	124484	22102
220	MS	QC1174624	123906	21894
221	MSD	QC1174625	124640	22072
222	PDS	QC1174626	124158	22024
223	SAMPLE	513292-002	124975	22125
224	CCV		126440	21886
225	CCB		130662	22559
226	SAMPLE	513292-003	124114	22019
227	SAMPLE	513292-004	125613	22115
228	SAMPLE	513292-005	125970	22188
229	SAMPLE	513292-006	125947	22095
230	SAMPLE	513302-009	125412	22214
231	SAMPLE	513302-010	125995	22167
232	BLANK	QC1174653	132597	22479
233	LCS	QC1174654	129088	22059
234	SAMPLE	512693-001	127982	21878
235	MSS	513192-001	126645	21686
236	CCV		126225	21917
237	CCB		130793	22557
238	MS	QC1174655	126510	21563

Enthalpy Internal Standard Summary for Sequence 794308796

Date:	08/01/24	Reference:	icp data
Sequence:	MET12 08/01/24	Analyzed:	08/01/24 10:36

#	Type	Sample ID	Y A	Y R
239	MSD	QC1174656	126072	21618
240	SAMPLE	513269-001	131287	22326
241	SAMPLE	513269-002	121099	20817
242	SAMPLE	513269-003	212039	37207
243	SAMPLE	513269-004	129041	22091
244	SAMPLE	513269-005	112328	19706
245	SAMPLE	513269-006	112856	19774
246	SAMPLE	513269-007	117711	20472
247	SAMPLE	513269-008	120099	20784
248	CCV		127709	22128
249	CCB		132209	22668

ENTHALPY INITIAL CALIBRATION FOR 513150 METALS Wipe: EPA 6010B

Instrument:	MET12		
Calibration #:	794308796001	Date:	01-AUG-2024 10:36
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794308796002	L1	01-AUG-2024 10:39	S21190
L2	icp data	794308796003	L2	01-AUG-2024 10:42	S21189
L3	icp data	794308796004	L3	01-AUG-2024 10:45	S21188
L4	icp data	794308796005	L4	01-AUG-2024 10:49	S21187
L5	icp data	794308796006	L5	01-AUG-2024 10:52	S21186
L6	icp data	794308796007	L6	01-AUG-2024 10:55	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0003	1.05E-4		10290	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	12115	10446	10165	9946.6	9618.7	9450.5

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	17	0.0100	7	0.1000	7	1.0000	5	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513150 METALS Wipe
EPA 6010B

Inst:	MET12		
Calnum:	794308796001	Cal Date:	01-AUG-2024

- ICV 794308796010 (01-AUG-2024) stds: S21323

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.037	mg/L	4	10	

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796011	File:	icp data	Time:	01-AUG-2024 11:07
Cal:	794308796001	Caldate:	01-AUG-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	124916	126638	1.38
Yttrium	R	21871	21939	0.31

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796013	File:	icp data	Time:	01-AUG-2024 11:14
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009203]	0.003333	mg/L	**a-** ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.2	mg/L	104	
Aluminum as Al2O3	A	755.8	784.5	mg/L	104	
Iron	A	160.0	148.6	mg/L	93	
Iron as Fe2O3	A	228.8	212.5	mg/L	93	
Calcium	R	400.0	401.0	mg/L	100	
Calcium as CaCO3	R	998.9	1001	mg/L	100	
Magnesium	R	400.0	420.0	mg/L	105	
Magnesium as MgCO3	R	1388	1457	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115803	-7.30
Yttrium	R	21871	20567	-5.96

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796014	File:	icp data	Time:	01-AUG-2024 11:17
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.029	mg/L	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115917	-7.20
Yttrium	R	21871	20523	-6.16

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796141	File:	icp data	Time:	01-AUG-2024 18:20
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10202	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	122301	-2.09
Yttrium	R	21871	21371	-2.29

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796142	File:	icp data	Time:	01-AUG-2024 18:23
Cal:	794308796001	Caldate:	01-AUG-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	124916	123479	-1.15
Yttrium	R	21871	21314	-2.55

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796153	File:	icp data	Time:	01-AUG-2024 18:58
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10198	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	123521	-1.12
Yttrium	R	21871	21599	-1.24

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796154	File:	icp data	Time:	01-AUG-2024 19:01
Cal:	794308796001	Caldate:	01-AUG-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002616]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	126885	1.58
Yttrium	R	21871	22083	0.97

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796165	File:	icp data	Time:	01-AUG-2024 19:35
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10387	1.000	1.070	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121931	-2.39
Yttrium	R	21871	21265	-2.77

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796166	File:	icp data	Time:	01-AUG-2024 19:38
Cal:	794308796001	Caldate:	01-AUG-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags	
Lead	A	0.003601	0.003333	---	mg/L	CCB	***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125106	0.15
Yttrium	R	21871	21816	-0.25

CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796177	File:	icp data	Time:	01-AUG-2024 20:13
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10422	1.000	1.074	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121175	-3.00
Yttrium	R	21871	21222	-2.97

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796178	File:	icp data	Time:	01-AUG-2024 20:16
Cal:	794308796001	Caldate:	01-AUG-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001869]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125057	0.11
Yttrium	R	21871	21790	-0.37

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796188	File:	icp data	Time:	01-AUG-2024 20:47
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10196	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	123276	-1.31
Yttrium	R	21871	21423	-2.05

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796189	File:	icp data	Time:	01-AUG-2024 20:50
Cal:	794308796001	Caldate:	01-AUG-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	124916	127200	1.83
Yttrium	R	21871	22142	1.24

SAMPLE PREPARATION SUMMARY

Batch #:	346642	Prep Date:	01-AUG-2024 14:25	Started By:	TWJ
Analysis:	ICP	Method:	3050B	Finished By:	TWJ

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1174500 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1174501 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1174502 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
513148-021	Wipe	1 ft2	50 mL	50.0				6010
513148-022	Wipe	1 ft2	50 mL	50.0				6010
513148-023	Wipe	1.0276 ft2	50 mL	48.66				6010
513148-024	Wipe	1 ft2	50 mL	50.0				6010
513148-025	Wipe	1 ft2	50 mL	50.0				6010
513148-026	Wipe	1 ft2	50 mL	50.0				6010
513148-027	Wipe	1 ft2	50 mL	50.0				6010
513148-028	Wipe	1 ft2	50 mL	50.0				6010
513148-029	Wipe	1 ft2	50 mL	50.0				6010
513148-030	Wipe	1 ft2	50 mL	50.0				6010
513148-031	Wipe	1 ft2	50 mL	50.0				6010
513149-001	Wipe	1 ft2	50 mL	50.0				6010
513149-002	Wipe	1 ft2	50 mL	50.0				6010
513149-003	Wipe	1 ft2	50 mL	50.0				6010
513149-004	Wipe	1.0276 ft2	50 mL	48.66				6010
513149-005	Wipe	1.0828 ft2	50 mL	46.18				6010
513149-006	Wipe	1 ft2	50 mL	50.0				6010
513149-007	Wipe	1 ft2	50 mL	50.0				6010
513150-002	Wipe	1 ft2	50 mL	50.0				6010
513150-003	Wipe	1 ft2	50 mL	50.0				6010

Analyst: DXC 08/01/24 **Reviewer:**

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: TWS Prep Method: (3050B) / 3051 / Other: _____ QC Batch #: 346642 Therm ID/Corr Factor: 76376I -0.5

Prep Start, Date/Time: 8/1/24 14:25 Prep End, Date/Time: 8/1/24 16:24 HotBlock Temp (Obs/Cor), °C: 93 192.5

HotBlock ID: HB15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	----	1		50	MLDO180660	
LCS	-----	-----	----	1			190	
LCSD	—	—	—	1				
513146-21	A		wipe	1.00				
-22				1.00				
-23				1.0276				
-24				1.00				
-25				1.00				
-26				1.00				
-27				1.00				
-28				1.00				
-29				1.00				
-30				1.00				
-31				1.00				
149-1				1.00				
-2				1.00				
-3				1.00				
-4				1.0276				
-5				1.0828				
-6				1.00				
-7				1.00				
150-2				1.00				
-3				1.00				
			TWJ	8/1/24				

Hydrochloric Acid ID: 10mL 24009610

Nitric Acid ID: 10mL 20231120 39

H_2O_2 ID: 3mL 305303

LCS Spike ID: 0.5mL (S20344, S20345)

MS/MSD Spike ID: " " "

Gold Std ID: N/A

SAMPLE PREPARATION SUMMARY

Batch #:	346644	Prep Date:	01-AUG-2024 16:40	Started By:	TWJ
Analysis:	ICP	Method:	3050B	Finished By:	TWJ

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1174504 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1174506 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1174507 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
513150-005	Wipe	1 ft2	50 mL	50.0				6010
513150-007	Wipe	1.0276 ft2	50 mL	48.66				6010
513150-010	Wipe	1.0276 ft2	50 mL	48.66				6010
513150-012	Wipe	1 ft2	50 mL	50.0				6010
513228-002	Wipe	1.0828 ft2	50 mL	46.18				6010
513228-004	Wipe	1.0276 ft2	50 mL	48.66				6010
513228-006	Wipe	1 ft2	50 mL	50.0				6010
513228-008	Wipe	1.0276 ft2	50 mL	48.66				6010
513228-010	Wipe	1.0276 ft2	50 mL	48.66				6010
513228-011	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: DXC 08/01/24 **Reviewer:**

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: TWJ / PAJ Prep Method: (3050B) / 3051 / Other: _____ QC Batch #: 346644 Therm ID/Corr Factor: 7637461-0.5

Prep Start, Date/Time: 8/1/24 16:40 Prep End, Date/Time: 8-1-24 18:47 HotBlock Temp (Obs/Cor), °C: 91-5 / 91-0

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		50	ML80170000	
LCS	-----	-----	-----	1			6190	
LCSD	"	"	"	1				
513150-5	A	N/A	wipe	1.60				
-7				1.0276				
-10				1.0276				
-12				1.00				
228-2				1.0828				
-4				1.0276				
-6				1.00				
-8				1.0276				
-10				1.0276 TWJ 8/1/24				
-11				1.0276				
257-1								
TWJ 8/1/24								
				TWJ 8/1/24				

Hydrochloric Acid ID: 10mL 24009610

Nitric Acid ID: 10mL 2023112639

H_2O_2 ID: 3mL 303303

LCS Spike ID: 0.5mL (520344, 520345)

MS/MSD Spike ID: _____

Gold Std ID: N/A

ICP Raw Data

Enthalpy Sequence Summary for Sequence 794308796

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				08/01/24 10:36	1.0		
002	icp data	ICAL	L1			08/01/24 10:39	1.0	1	
003	icp data	ICAL	L2			08/01/24 10:42	1.0	2	
004	icp data	ICAL	L3			08/01/24 10:45	1.0	3	
005	icp data	ICAL	L4			08/01/24 10:49	1.0	4	
006	icp data	ICAL	L5			08/01/24 10:52	1.0	5	
007	icp data	ICAL	L6			08/01/24 10:55	1.0	6	
008	icp data	ICAL	L7			08/01/24 10:58	1.0	7	
009	icp data	ICAL	L8			08/01/24 11:01	1.0	8	
010	icp data	ICV				08/01/24 11:04	1.0	9	
011	icp data	ICB				08/01/24 11:07	1.0		
012	icp data	CRI				08/01/24 11:10	1.0	10	
013	icp data	ICSA				08/01/24 11:14	1.0	11	6:MGASMGCO3=1500
014	icp data	ICSAB				08/01/24 11:17	1.0	12	6:MGASMGCO3=1500
015	icp data	BLANK	QC1174399	Water	346605	08/01/24 11:21	1.0	13	
016	icp data	LCS	QC1174400	Water	346605	08/01/24 11:24	1.0	13	
017	icp data	MSS	513095-001	Water	346605	08/01/24 11:27	1.0	13	4:CAASCACO3=750
018	icp data	MS	QC1174401	Water	346605	08/01/24 11:30	1.0	13	4:CAASCACO3=790
019	icp data	MSD	QC1174402	Water	346605	08/01/24 11:33	1.0	13	4:CAASCACO3=800
020	icp data	SAMPLE	513262-001	Water	346605	08/01/24 11:36	1.0	13	1:FE=47
021	icp data	SAMPLE	513262-002	Water	346605	08/01/24 11:39	1.0	13	1:FE=42
022	icp data	SAMPLE	513262-003	Water	346605	08/01/24 11:42	1.0	13	1:FE=40
023	icp data	SAMPLE	513262-004	Water	346605	08/01/24 11:46	1.0	13	
024	icp data	SAMPLE	513262-005	Water	346605	08/01/24 11:49	1.0	13	1:FE=40
025	icp data	CCV				08/01/24 11:52	1.0	9	
026	icp data	CCB				08/01/24 11:55	1.0		
027	icp data	SAMPLE	513118-001	Water	346605	08/01/24 11:58	1.0	13	1:NA=1100
028	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:01	1.0	13	5:FE=470
029	icp data	MSS	513095-001	Water	346605	08/01/24 12:04	10.0	13	
030	icp data	MS	QC1174401	Water	346605	08/01/24 12:08	10.0	13	
031	icp data	MSD	QC1174402	Water	346605	08/01/24 12:11	10.0	13	
032	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:27	10.0	13	2:FE=80
033	icp data	CCV				08/01/24 12:30	1.0	9	
034	icp data	CCB				08/01/24 12:33	1.0		
035	icp data	BLANK	QC1174321	Soil	346590	08/01/24 12:49	1.0	13	
036	icp data	LCS	QC1174322	Soil	346590	08/01/24 12:53	1.0	13	
037	icp data	SAMPLE	513188-001	Soil	346590	08/01/24 12:56	1.0	13	3:FE=150
038	icp data	SAMPLE	513188-002	Soil	346590	08/01/24 12:59	1.0	13	3:FE=150
039	icp data	SAMPLE	513188-003	Soil	346590	08/01/24 13:02	1.0	13	3:FE=160
040	icp data	SAMPLE	513188-004	Soil	346590	08/01/24 13:05	1.0	13	3:FE=160
041	icp data	SAMPLE	513188-005	Soil	346590	08/01/24 13:08	1.0	13	3:FE=150
042	icp data	SAMPLE	513188-006	Soil	346590	08/01/24 13:11	1.0	13	2:FE=140
043	icp data	SAMPLE	513188-007	Soil	346590	08/01/24 13:14	1.0	13	3:FE=160
044	icp data	SAMPLE	513188-008	Soil	346590	08/01/24 13:18	1.0	13	3:FE=150
045	icp data	CCV				08/01/24 13:21	1.0	9	
046	icp data	CCB				08/01/24 13:24	1.0		
047	icp data	SAMPLE	513188-009	Soil	346590	08/01/24 13:27	1.0	13	3:FE=150
048	icp data	SAMPLE	513188-010	Soil	346590	08/01/24 13:30	1.0	13	3:FE=160
049	icp data	SAMPLE	513188-011	Soil	346590	08/01/24 13:33	1.0	13	2:FE=130
050	icp data	SAMPLE	513188-012	Soil	346590	08/01/24 13:36	1.0	13	2:FE=140
051	icp data	MSS	513203-001	Soil	346590	08/01/24 13:39	1.0	13	4:FEASFE2O3=160
052	icp data	MS	QC1174323	Soil	346590	08/01/24 13:43	1.0	13	4:ALASAL2O3=210
053	icp data	MSD	QC1174324	Soil	346590	08/01/24 13:46	1.0	13	4:ALASAL2O3=180
054	icp data	PDS	QC1174325	Soil	346590	08/01/24 13:49	1.0	13	4:FEASFE2O3=160
055	icp data	SAMPLE	513203-002	Soil	346590	08/01/24 13:52	1.0	13	2:FE=130

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	513203-003	Soil	346590	08/01/24 13:55	1.0	13	2:FE=140
057	icp data	CCV				08/01/24 13:58	1.0	9	
058	icp data	CCB				08/01/24 14:01	1.0		
059	icp data	SAMPLE	513203-004	Soil	346590	08/01/24 14:04	1.0	13	2:FE=130
060	icp data	SAMPLE	513203-005	Soil	346590	08/01/24 14:07	1.0	13	2:FE=120
061	icp data	SAMPLE	513203-006	Soil	346590	08/01/24 14:11	1.0	13	2:FE=100
062	icp data	SAMPLE	513203-007	Soil	346590	08/01/24 14:14	1.0	13	2:FE=97
063	icp data	SAMPLE	513203-008	Soil	346590	08/01/24 14:17	1.0	13	2:FE=89
064	icp data	BLANK	QC1174282	Soil	346572	08/01/24 14:20	1.0	13	
065	icp data	LCS	QC1174283	Soil	346572	08/01/24 14:23	1.0	13	
066	icp data	SAMPLE	513025-001	Soil	346572	08/01/24 14:26	1.0	13	2:FE=79
067	icp data	SAMPLE	513025-002	Soil	346572	08/01/24 14:29	1.0	13	2:AL=90
068	icp data	SAMPLE	513025-003	Soil	346572	08/01/24 14:32	1.0	13	2:AL=120
069	icp data	CCV				08/01/24 14:36	1.0	9	
070	icp data	CCB				08/01/24 14:39	1.0		
071	icp data	SAMPLE	513084-001	Miscell.	346572	08/01/24 14:42	1.0	13	3:FE=160
072	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 14:45	1.0	13	7:NA=1200
073	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 14:48	1.0	13	4:ZN=190
074	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 14:51	1.0	13	4:ZN=230
075	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 14:54	1.0	13	8:NA=1400
076	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 14:57	1.0	13	4:FE=530
077	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 15:01	10.0	13	1:FE=91
078	icp data	SAMPLE	513111-001	Miscell.	346572	08/01/24 15:04	1.0	13	
079	icp data	SAMPLE	513116-005	Soil	346572	08/01/24 15:07	1.0	13	2:FE=190
080	icp data	SAMPLE	513116-010	Soil	346572	08/01/24 15:10	1.0	13	2:FE=190
081	icp data	CCV				08/01/24 15:13	1.0	9	
082	icp data	CCB				08/01/24 15:16	1.0		
083	icp data	SAMPLE	513116-015	Soil	346572	08/01/24 15:19	1.0	13	2:FE=180
084	icp data	MSS	513140-001	Soil	346572	08/01/24 15:22	1.0	13	4:FEASFE2O3=170
085	icp data	MS	QC1174284	Soil	346572	08/01/24 15:26	1.0	13	4:FEASFE2O3=180
086	icp data	MSD	QC1174285	Soil	346572	08/01/24 15:29	1.0	13	4:FEASFE2O3=190
087	icp data	PDS	QC1174286	Soil	346572	08/01/24 15:32	1.0	13	4:FEASFE2O3=170
088	icp data	SAMPLE	513140-002	Soil	346572	08/01/24 15:35	1.0	13	3:FE=170
089	icp data	SAMPLE	513144-001	Soil	346572	08/01/24 15:38	1.0	13	2:AL=110
090	icp data	SAMPLE	513144-002	Soil	346572	08/01/24 15:41	1.0	13	2:FE=150
091	icp data	BLANK	QC1174365	Soil	346598	08/01/24 15:44	1.0	13	
092	icp data	LCS	QC1174366	Soil	346598	08/01/24 15:47	1.0	13	
093	icp data	CCV				08/01/24 15:51	1.0	9	
094	icp data	CCB				08/01/24 15:54	1.0		
095	icp data	SAMPLE	513116-020	Soil	346598	08/01/24 15:57	1.0	13	2:FE=190
096	icp data	MSS	513194-001	Soil	346598	08/01/24 16:00	1.0	13	4:ALASAL2O3=280
097	icp data	MS	QC1174367	Soil	346598	08/01/24 16:03	1.0	13	5:ALASAL2O3=350
098	icp data	MSD	QC1174368	Soil	346598	08/01/24 16:06	1.0	13	5:ALASAL2O3=340
099	icp data	PDS	QC1174369	Soil	346598	08/01/24 16:09	1.0	13	5:ALASAL2O3=280
100	icp data	SAMPLE	513194-004	Soil	346598	08/01/24 16:12	1.0	13	3:FE=160
101	icp data	SAMPLE	513194-007	Soil	346598	08/01/24 16:15	1.0	13	2:AL=140
102	icp data	SAMPLE	513194-010	Soil	346598	08/01/24 16:19	1.0	13	2:FE=130
103	icp data	SAMPLE	513194-013	Soil	346598	08/01/24 16:22	1.0	13	2:FE=150
104	icp data	SAMPLE	513194-016	Soil	346598	08/01/24 16:25	1.0	13	3:FE=170
105	icp data	CCV				08/01/24 16:28	1.0	9	
106	icp data	CCB				08/01/24 16:31	1.0		
107	icp data	SAMPLE	513194-019	Soil	346598	08/01/24 16:34	1.0	13	3:FE=150
108	icp data	SAMPLE	513194-022	Soil	346598	08/01/24 16:37	1.0	13	3:FE=160
109	icp data	SAMPLE	513194-025	Soil	346598	08/01/24 16:40	1.0	13	2:FE=150
110	icp data	SAMPLE	513194-028	Soil	346598	08/01/24 16:44	1.0	13	2:FE=150

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
111	icp data	SAMPLE	513194-031	Soil	346598	08/01/24 16:47	1.0	13	3:FE=150
112	icp data	BLANK	QC1174524	Wipe	346648	08/01/24 16:50	1.0	13	
113	icp data	BS	QC1174525	Wipe	346648	08/01/24 16:53	1.0	13	
114	icp data	BSD	QC1174526	Wipe	346648	08/01/24 16:56	1.0	13	
115	icp data	SAMPLE	513257-001	Wipe	346648	08/01/24 16:59	1.0	13	
116	icp data	BLANK	QC1174475	Soil	346634	08/01/24 17:02	1.0	13	
117	icp data	CCV				08/01/24 17:05	1.0	9	
118	icp data	CCB				08/01/24 17:08	1.0		
119	icp data	LCS	QC1174476	Soil	346634	08/01/24 17:12	1.0	13	
120	icp data	MSS	512866-001	Soil	346634	08/01/24 17:15	1.0	13	4:ALASAL2O3=130
121	icp data	MS	QC1174477	Soil	346634	08/01/24 17:18	1.0	13	4:ALASAL2O3=190
122	icp data	MSD	QC1174478	Soil	346634	08/01/24 17:21	1.0	13	4:ALASAL2O3=190
123	icp data	PDS	QC1174479	Soil	346634	08/01/24 17:24	1.0	13	4:ALASAL2O3=130
124	icp data	SAMPLE	512866-002	Soil	346634	08/01/24 17:27	1.0	13	2:AL=64
125	icp data	SAMPLE	512866-003	Soil	346634	08/01/24 17:30	1.0	13	2:AL=64
126	icp data	SAMPLE	512866-004	Soil	346634	08/01/24 17:33	1.0	13	2:AL=57
127	icp data	SAMPLE	512866-005	Soil	346634	08/01/24 17:37	1.0	13	2:AL=89
128	icp data	SAMPLE	512866-006	Soil	346634	08/01/24 17:40	1.0	13	2:AL=52
129	icp data	CCV				08/01/24 17:43	1.0	9	
130	icp data	CCB				08/01/24 17:46	1.0		
131	icp data	SAMPLE	512866-007	Soil	346634	08/01/24 17:49	1.0	13	2:FE=79
132	icp data	SAMPLE	512866-008	Soil	346634	08/01/24 17:52	1.0	13	2:FE=92
133	icp data	SAMPLE	512866-009	Soil	346634	08/01/24 17:55	1.0	13	2:FE=78
134	icp data	SAMPLE	512866-010	Soil	346634	08/01/24 17:58	1.0	13	2:AL=61
135	icp data	SAMPLE	512866-011	Soil	346634	08/01/24 18:01	1.0	13	2:AL=71
136	icp data	SAMPLE	512866-012	Soil	346634	08/01/24 18:05	1.0	13	2:AL=62
137	icp data	SAMPLE	513246-001	Soil	346634	08/01/24 18:08	1.0	13	2:FE=160
138	icp data	SAMPLE	513246-003	Soil	346634	08/01/24 18:11	1.0	13	2:FE=140
139	icp data	SAMPLE	513246-006	Soil	346634	08/01/24 18:14	1.0	13	2:FE=130
140	icp data	SAMPLE	513264-001	Miscell.	346634	08/01/24 18:17	1.0	13	1:FE=44
141	icp data	CCV				08/01/24 18:20	1.0	9	
142	icp data	CCB				08/01/24 18:23	1.0		
143	icp data	SAMPLE	513265-001	Miscell.	346634	08/01/24 18:26	1.0	13	2:AL=130
144	icp data	SAMPLE	513265-002	Miscell.	346634	08/01/24 18:30	1.0	13	2:AL=100
145	icp data	SAMPLE	513265-003	Miscell.	346634	08/01/24 18:33	1.0	13	2:AL=100
146	icp data	BLANK	QC1174500	Wipe	346642	08/01/24 18:36	1.0	13	
147	icp data	BS	QC1174501	Wipe	346642	08/01/24 18:39	1.0	13	
148	icp data	BSD	QC1174502	Wipe	346642	08/01/24 18:42	1.0	13	
149	icp data	SAMPLE	513148-021	Wipe	346642	08/01/24 18:45	1.0	13	2:ZN=290
150	icp data	SAMPLE	513148-022	Wipe	346642	08/01/24 18:48	1.0	13	2:ZN=270
151	icp data	SAMPLE	513148-023	Wipe	346642	08/01/24 18:51	1.0	13	2:FE=100
152	icp data	SAMPLE	513148-024	Wipe	346642	08/01/24 18:55	1.0	13	2:FE=79
153	icp data	CCV				08/01/24 18:58	1.0	9	
154	icp data	CCB				08/01/24 19:01	1.0		
155	icp data	SAMPLE	513148-025	Wipe	346642	08/01/24 19:04	1.0	13	2:ZN=110
156	icp data	SAMPLE	513148-026	Wipe	346642	08/01/24 19:07	1.0	13	2:FE=98
157	icp data	SAMPLE	513148-027	Wipe	346642	08/01/24 19:10	1.0	13	
158	icp data	SAMPLE	513148-028	Wipe	346642	08/01/24 19:13	1.0	13	
159	icp data	SAMPLE	513148-029	Wipe	346642	08/01/24 19:16	1.0	13	
160	icp data	SAMPLE	513148-030	Wipe	346642	08/01/24 19:20	1.0	13	
161	icp data	SAMPLE	513148-031	Wipe	346642	08/01/24 19:23	1.0	13	2:ZN=310
162	icp data	SAMPLE	513149-001	Wipe	346642	08/01/24 19:26	1.0	13	1:FE=37
163	icp data	SAMPLE	513149-002	Wipe	346642	08/01/24 19:29	1.0	13	2:ZN=94
164	icp data	SAMPLE	513149-003	Wipe	346642	08/01/24 19:32	1.0	13	2:ZN=72
165	icp data	CCV				08/01/24 19:35	1.0	9	

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	CCB				08/01/24 19:38	1.0		
167	icp data	SAMPLE	513149-004	Wipe	346642	08/01/24 19:41	1.0	13	2:ZN=81
168	icp data	SAMPLE	513149-005	Wipe	346642	08/01/24 19:45	1.0	13	1:FE=44
169	icp data	SAMPLE	513149-006	Wipe	346642	08/01/24 19:48	1.0	13	
170	icp data	SAMPLE	513149-007	Wipe	346642	08/01/24 19:51	1.0	13	
171	icp data	SAMPLE	513150-002	Wipe	346642	08/01/24 19:54	1.0	13	1:FE=46
172	icp data	SAMPLE	513150-003	Wipe	346642	08/01/24 19:57	1.0	13	1:FE=48
173	icp data	BLANK	QC1174504	Wipe	346644	08/01/24 20:00	1.0	13	
174	icp data	BS	QC1174506	Wipe	346644	08/01/24 20:03	1.0	13	
175	icp data	BSD	QC1174507	Wipe	346644	08/01/24 20:06	1.0	13	
176	icp data	SAMPLE	513150-005	Wipe	346644	08/01/24 20:10	1.0	13	2:FE=43
177	icp data	CCV				08/01/24 20:13	1.0	9	
178	icp data	CCB				08/01/24 20:16	1.0		
179	icp data	SAMPLE	513150-007	Wipe	346644	08/01/24 20:19	1.0	13	2:ZN=50
180	icp data	SAMPLE	513150-010	Wipe	346644	08/01/24 20:22	1.0	13	2:FE=57
181	icp data	SAMPLE	513150-012	Wipe	346644	08/01/24 20:25	1.0	13	2:ZN=98
182	icp data	SAMPLE	513228-002	Wipe	346644	08/01/24 20:28	1.0	13	1:FE=63
183	icp data	SAMPLE	513228-004	Wipe	346644	08/01/24 20:32	1.0	13	2:ZN=210
184	icp data	SAMPLE	513228-006	Wipe	346644	08/01/24 20:35	1.0	13	1:FE=57
185	icp data	SAMPLE	513228-008	Wipe	346644	08/01/24 20:38	1.0	13	2:FE=47
186	icp data	SAMPLE	513228-010	Wipe	346644	08/01/24 20:41	1.0	13	2:ZN=160
187	icp data	SAMPLE	513228-011	Wipe	346644	08/01/24 20:44	1.0	13	2:ZN=160
188	icp data	CCV				08/01/24 20:47	1.0	9	
189	icp data	CCB				08/01/24 20:50	1.0		
190	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 21:18	100.0	13	
191	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 21:22	10.0	13	1:ZN=30
192	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 21:25	10.0	13	1:ZN=42
193	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 21:28	100.0	13	
194	icp data	SAMPLE	513148-011	Wipe	346641	08/01/24 21:31	10.0	13	1:ZN=35
195	icp data	SAMPLE	513148-012	Wipe	346641	08/01/24 21:34	10.0	13	
196	icp data	SAMPLE	513148-016	Wipe	346641	08/01/24 21:37	10.0	13	1:ZN=34
197	icp data	BLANK	QC1174672	WET Leachate	346699	08/01/24 21:40	1.0	13	
198	icp data	BS	QC1174673	WET Leachate	346699	08/01/24 21:43	1.0	13	
199	icp data	BSD	QC1174674	WET Leachate	346699	08/01/24 21:47	1.0	13	
200	icp data	CCV				08/01/24 21:50	1.0	9	
201	icp data	CCB				08/01/24 21:53	1.0		
202	icp data	SAMPLE	512878-001	WET Leachate	346699	08/01/24 21:56	1.0	13	
203	icp data	SAMPLE	512878-002	WET Leachate	346699	08/01/24 21:59	1.0	13	
204	icp data	BLANK	QC1174622	Soil	346680	08/01/24 22:02	1.0	13	
205	icp data	LCS	QC1174623	Soil	346680	08/01/24 22:05	1.0	13	
206	icp data	SAMPLE	512470-001	Miscell.	346680	08/01/24 22:09	1.0	13	
207	icp data	SAMPLE	513185-001	Soil	346680	08/01/24 22:12	1.0	13	2:FE=130
208	icp data	SAMPLE	513186-001	Soil	346680	08/01/24 22:15	1.0	13	2:FE=160
209	icp data	SAMPLE	513242-001	Miscell.	346680	08/01/24 22:18	1.0	13	3:FE=140
210	icp data	SAMPLE	513242-002	Miscell.	346680	08/01/24 22:21	1.0	13	3:FE=130
211	icp data	SAMPLE	513242-024	Soil	346680	08/01/24 22:24	1.0	13	3:FE=200
212	icp data	CCV				08/01/24 22:27	1.0	9	
213	icp data	CCB				08/01/24 22:30	1.0		
214	icp data	SAMPLE	513242-025	Soil	346680	08/01/24 22:34	1.0	13	3:FE=180
215	icp data	SAMPLE	513242-026	Soil	346680	08/01/24 22:37	1.0	13	2:FE=240
216	icp data	SAMPLE	513242-027	Soil	346680	08/01/24 22:40	1.0	13	3:FE=230
217	icp data	SAMPLE	513242-028	Soil	346680	08/01/24 22:43	1.0	13	2:FE=170
218	icp data	SAMPLE	513254-001	Miscell.	346680	08/01/24 22:46	1.0	13	2:FE=220
219	icp data	MSS	513292-001	Soil	346680	08/01/24 22:49	1.0	13	4:FEASFE2O3=180
220	icp data	MS	QC1174624	Soil	346680	08/01/24 22:52	1.0	13	5:FEASFE2O3=197

Enthalpy Sequence Summary for Sequence 794308796

Instrument: MET12 Begun: 08/01/24 10:36
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
221	icp data	MSD	QC1174625	Soil	346680	08/01/24 22:56	1.0	13	5:FEASFE2O3=190
222	icp data	PDS	QC1174626	Soil	346680	08/01/24 22:59	1.0	13	4:FEASFE2O3=180
223	icp data	SAMPLE	513292-002	Soil	346680	08/01/24 23:02	1.0	13	2:FE=120
224	icp data	CCV				08/01/24 23:05	1.0	9	
225	icp data	CCB				08/01/24 23:08	1.0		
226	icp data	SAMPLE	513292-003	Soil	346680	08/01/24 23:11	1.0	13	3:FE=130
227	icp data	SAMPLE	513292-004	Soil	346680	08/01/24 23:14	1.0	13	2:FE=130
228	icp data	SAMPLE	513292-005	Soil	346680	08/01/24 23:17	1.0	13	2:FE=120
229	icp data	SAMPLE	513292-006	Soil	346680	08/01/24 23:21	1.0	13	2:FE=130
230	icp data	SAMPLE	513302-009	Soil	346680	08/01/24 23:24	1.0	13	2:AL=130
231	icp data	SAMPLE	513302-010	Soil	346680	08/01/24 23:27	1.0	13	2:FE=130
232	icp data	BLANK	QC1174653	Filtrate	346696	08/01/24 23:30	1.0	13	
233	icp data	LCS	QC1174654	Filtrate	346696	08/01/24 23:33	1.0	13	
234	icp data	SAMPLE	512693-001	Filtrate	346696	08/01/24 23:36	1.0	13	
235	icp data	MSS	513192-001	Filtrate	346696	08/01/24 23:39	1.0	13	1:CAASCACO3=270
236	icp data	CCV				08/01/24 23:43	1.0	9	
237	icp data	CCB				08/01/24 23:46	1.0		
238	icp data	MS	QC1174655	Filtrate	346696	08/01/24 23:49	1.0	13	1:CAASCACO3=320
239	icp data	MSD	QC1174656	Filtrate	346696	08/01/24 23:52	1.0	13	1:CAASCACO3=320
240	icp data	SAMPLE	513269-001	Filtrate	346696	08/01/24 23:55	1.0	13	
241	icp data	SAMPLE	513269-002	Filtrate	346696	08/01/24 23:58	1.0	13	
242	icp data	SAMPLE	513269-003	Filtrate	346696	08/02/24 00:01	1.0	13	4:MG=1100
243	icp data	SAMPLE	513269-004	Filtrate	346696	08/02/24 00:04	1.0	13	
244	icp data	SAMPLE	513269-005	Filtrate	346696	08/02/24 00:08	1.0	13	3:CA=1500
245	icp data	SAMPLE	513269-006	Filtrate	346696	08/02/24 00:11	1.0	13	4:CA=1400
246	icp data	SAMPLE	513269-007	Filtrate	346696	08/02/24 00:14	1.0	13	1:FE=22
247	icp data	SAMPLE	513269-008	Filtrate	346696	08/02/24 00:17	1.0	13	1:CA=910
248	icp data	CCV				08/02/24 00:20	1.0	9	
249	icp data	CCB				08/02/24 00:23	1.0		

SBW 08/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 035.

SBW 08/02/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 036 through 249.

Standards Used:
1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20782 8=S21161 9=S21323 10=S20459 11=S21125 12=S21126 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	513150-002	Client ID:	DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB
Seqnum:	794308796171	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	346642	Time:	01-AUG-2024 19:54
Cal:	794308796001	Caldate:	01-AUG-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	1.011	51	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	119503	-4.33

u=use

Instrument ID: MET12

Label:	513150-002,346642	Rack:Tube:	3:15	Type:	Sample
Date Time:	8/1/2024 7:54:27 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 Coeffic
Ag 328.068	Ag	n	0.00023212	0.00023212	mg/L	27.28190988	0.00007526	32.42057045	3.00308868	11.01		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631
Al 396.152	Al	n	1.11438331	1.11438331	mg/L	37717.41705751	0.00166727	0.14961343	56.14610160	0.15	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290
As 188.980	As	n	0.04470461	0.04470461	mg/L	200.50603897	0.00075924	1.69835399	3.35224265	1.67	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584
B 249.678	B	n	0.01293444	0.01293444	mg/L	485.78106367	0.00038546	2.98007661	13.19815515	2.72	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405
Ba 230.424	Ba	n	0.00735381	0.00735381	mg/L	1106.93201365	0.00023988	3.26200732	30.20377901	2.73	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021
Be 313.107	Be	nu	0.00000307	0.00000307	mg/L	5.53706772	0.00000576	187.71530581	6.54111450	> 100.00	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58
Ca 317.933	Ca-R	n	5.78213994	5.78213994	mg/L	35277.30832025	0.00987950	0.17086242	58.95458482	0.17	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277
Cd 214.439	Cd	nu	-0.00024008	-0.00024008	mg/L	149.16853323	0.00002678	11.15452799	4.72610304	3.17	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341
Co 230.786	Co	n	0.00594798	0.00594798	mg/L	344.24495961	0.00048387	8.13497844	22.27678627	6.47	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730
Cr 267.716	Cr	n	0.02519937	0.02519937	mg/L	1111.86225268	0.00023806	0.94469049	10.78090686	0.97	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702
Cu 324.754	Cu	n	0.22330946	0.22330946	mg/L	9126.50998355	0.00136460	0.61108224	50.44458451	0.55	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519
Fe 259.940	Fe	no	45.68807518	45.68807518	mg/L	1450377.45043696	0.10059930	0.22018722	3193.41475162	0.22	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054
K 766.491	K-R	n	2.60657971	2.60657971	mg/L	871.39560190	0.08437680	3.23706951	40.17226214	4.61	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559
Li 670.783	Li-R	n	0.00238369	0.00238369	mg/L	34.87209490	0.00175249	73.52012489	56.68900868	> 100.00	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515
Mg 279.800	Mg-R	n	3.07588789	3.07588789	mg/L	1238.15894650	0.01537020	0.49969950	6.15558919	0.50	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647
Mn 257.610	Mn	n	0.24108709	0.24108709	mg/L	78948.06115974	0.00241856	1.00318901	789.34865470	1.00	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444
Mo 204.598	Mo	n	0.00281740	0.00281740	mg/L	33.24238127	0.00042351	15.03189508	5.46643520	16.44	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752
Na 589.592	Na-R	n	1.95408204	1.95408204	mg/L	8245.27476041	0.00113106	0.05788182	4.80018491	0.06	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677
Ni 231.604	Ni	n	0.06450129	0.06450129	mg/L	1179.83443154	0.00026989	0.41841992	4.88977977	0.41	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295
P 177.434	P	n	0.73039028	0.73039028	mg/L	62.52733060	0.01146475	1.56967492	0.95566918	1.53		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534
Pb 220.353	Pb	n	1.01147209	1.01147209	mg/L	9819.45253881	0.00449269	0.44417366	43.56721803	0.44	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117
S 181.972	S	n	4.15220862	4.15220862	mg/L	4723.01976801	0.04882239	1.17581737	53.78753129	1.14		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803
Sb 206.834	Sb	n	0.00724528	0.00724528	mg/L	13.28123861	0.00053198	7.34245386	1.79146720	13.49	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575
Se 196.026	Se	n	0.00647702	0.00647702	mg/L	44.59100425	0.00172495	26.63184239	5.55715241	12.46	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326
Si 251.611	Si	n	3.02263091	3.02263091	mg/L	9927.37751835	0.02188978	0.72419613	71.73244701	0.72		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402
Sn 189.925	Sn	n	0.08538400	0.08538400	mg/L	817.05741493	0.00046834	0.54850852	4.27309085	0.52	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613
Sr 421.552	Sr-R	n	0.00968749	0.00968749	mg/L	1655.05210560	0.00002245	0.23179365	3.71275952	0.22	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361
Ti 334.941	Ti	n	0.08631629	0.08631629	mg/L	16848.58401529	0.00337244	3.90707469	656.02893697	3.89	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391
Tl 190.794	Tl	nu	-0.00037529	-0.00037529	mg/L	-1.76720331	0.00169556	451.79825981	6.62649355	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442
V 292.401	V	n	0.00629469	0.00629469	mg/L	99.61200874	0.00032708	5.19619112	8.90251220	8.94	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178
Zn 206.200	Zn	n	2.06014406	2.06014406	mg/L	57629.59618594	0.01175766	0.57072032	327.02396731	0.57	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930
Y 371.029	Y		0.96	0.96	Ratio	119502.52	0.02	1.77	2116.67	1.77		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21129.81	0.00	0.12	24.52	0.12		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	513150-003	Client ID:	DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB
Seqnum:	794308796172	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	346642	Time:	01-AUG-2024 19:57
Cal:	794308796001	Caldate:	01-AUG-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	1.350	68	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	118841	-4.86

u=use

Instrument ID: MET12

Label:	513150-003,346642	Rack:Tube:	3:16	Type:	Sample
Date Time:	8/1/2024 7:57:35 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	n	0.00022003	0.00022003	mg/L	26.64411104	0.00001929	8.76505140	0.76959484	2.89		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314019
Al 396.152	Al	n	1.42903024	1.42903024	mg/L	48315.77824585	0.00435716	0.30490330	146.72968077	0.30	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907214
As 188.980	As	n	0.03698639	0.03698639	mg/L	166.42546623	0.00067809	1.83335384	2.99393992	1.80	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846035
B 249.678	B	n	0.01257875	0.01257875	mg/L	473.33160242	0.00044133	3.50856699	15.11142443	3.19	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059994
Ba 230.424	Ba	n	0.00717945	0.00717945	mg/L	1085.12150287	0.00004572	0.63687277	5.75715219	0.53	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219498
Be 313.107	Be	n	0.00000487	0.00000487	mg/L	7.58040399	0.00000254	52.13087828	2.88678973	38.08	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.580706
Ca 317.933	Ca-R	n	5.53900521	5.53900521	mg/L	33827.46234920	0.00431120	0.07783340	25.72647023	0.08	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.362773528
Cd 214.439	Cd	nu	-0.00018175	-0.00018175	mg/L	164.19060175	0.00004862	26.75038692	8.58032415	5.23	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3418750
Co 230.786	Co	n	0.00539035	0.00539035	mg/L	319.04715401	0.00021651	4.01662379	9.96791743	3.12	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07304581
Cr 267.716	Cr	n	0.02032700	0.02032700	mg/L	891.23031337	0.00012450	0.61250126	5.63840633	0.63	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024053
Cu 324.754	Cu	n	0.22114249	0.22114249	mg/L	9045.30969567	0.00141791	0.64117636	52.41522572	0.58	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45198587
Fe 259.940	Fe	no	47.51668447	47.51668447	mg/L	1508424.63265313	0.07102181	0.14946710	2254.50957225	0.15	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90541633
K 766.491	K-R	n	2.49805409	2.49805409	mg/L	819.60624841	0.09887979	3.95827248	47.07721649	5.74	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.1055591755
Li 670.783	Li-R	n	0.00198490	0.00198490	mg/L	22.01116239	0.00050826	25.60615715	16.44093293	74.69	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65157604
Mg 279.800	Mg-R	n	3.28476628	3.28476628	mg/L	1321.99915026	0.00865496	0.26348780	3.46621264	0.26	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.4886478667
Mn 257.610	Mn	n	0.27823619	0.27823619	mg/L	91076.03369483	0.00105350	0.37863476	343.83196740	0.38	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446275
Mo 204.598	Mo	n	0.00224052	0.00224052	mg/L	25.86023882	0.00054272	24.22304269	7.00516118	27.09	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47528929
Na 589.592	Na-R	n	1.72594599	1.72594599	mg/L	7276.98441122	0.01532233	0.88776416	65.02761249	0.89	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779730
Ni 231.604	Ni	n	0.05949856	0.05949856	mg/L	1089.44012082	0.00037592	0.63181731	6.81093195	0.63	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92951293
P 177.434	P	n	0.70589465	0.70589465	mg/L	60.48507249	0.02239656	3.17279114	1.86691374	3.09		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715348232
Pb 220.353	Pb	n	1.35023775	1.35023775	mg/L	13104.24751929	0.00591602	0.43814658	57.36972922	0.44	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351175497
S 181.972	S	n	3.83460310	3.83460310	mg/L	4373.20146066	0.04903871	1.27884696	54.02584522	1.24		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698033289
Sb 206.834	Sb	n	0.00778650	0.00778650	mg/L	15.26496454	0.00298471	38.33186165	10.05112006	65.84	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535752858
Se 196.026	Se	n	0.00387039	0.00387039	mg/L	36.05110496	0.00247340	63.90568463	7.96838667	22.10	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260087
Si 251.611	Si	n	3.60201902	3.60201902	mg/L	11826.02520624	0.02501198	0.69438772	81.96385115	0.69		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029226
Sn 189.925	Sn	n	0.05741289	0.05741289	mg/L	561.90928698	0.00092743	1.61537652	8.46185129	1.51	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.936132317
Sr 421.552	Sr-R	n	0.00998820	0.00998820	mg/L	1704.51256941	0.00007681	0.76900146	12.69985453	0.75	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619758
Ti 334.941	Ti	n	0.10881862	0.10881862	mg/L	21225.95329217	0.00137678	1.26521024	267.82088167	1.26	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914030
Tl 190.794	Tl	nu	-0.00101847	-0.00101847	mg/L	-4.27155158	0.00077765	76.35479537	3.03916397	71.15	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144425681
V 292.401	V	n	0.00778052	0.00778052	mg/L	138.84660327	0.00012372	1.59011911	3.36737730	2.43	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81786705
Zn 206.200	Zn	n	2.10862619	2.10862619	mg/L	58987.68152694	0.01894265	0.89834067	526.86495833	0.89	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.69305913
Y 371.029	Y		0.95	0.95	Ratio	118840.68	0.02	1.63	1932.70	1.63		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	21028.23	0.00	0.16	33.25	0.16		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	513150-005	Client ID:	DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB
Seqnum:	794308796176	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	346644	Time:	01-AUG-2024 20:10
Cal:	794308796001	Caldate:	01-AUG-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	1.541	77	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	118884	-4.83

u=use

Instrument ID: MET12

Label:	513150-005,346644	**Rack:Tube:**	3:20	**Type:**	Sample
Date Time:	8/1/2024 8:10:07 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
Ag 328.068	Ag	nu	0.00027276	0.00027276	mg/L	29.22736389	0.00047333	173.53675444	18.88860142	64.63		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401
Al 396.152	Al	n	1.12402293	1.12402293	mg/L	38037.98880104	0.00231129	0.20562640	77.83384131	0.20	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721
As 188.980	As	n	0.03334335	0.03334335	mg/L	150.36238753	0.00074334	2.22934763	3.28202558	2.18	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603
B 249.678	B	n	0.01929324	0.01929324	mg/L	704.13273175	0.00030061	1.55811137	10.29299465	1.46	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999
Ba 230.424	Ba	n	0.00825217	0.00825217	mg/L	1219.97995601	0.00011710	1.41905518	14.74454026	1.21	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949
Be 313.107	Be	n	0.00001482	0.00001482	mg/L	18.91573847	0.00001258	84.88089628	14.29635466	75.58	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070
Ca 317.933	Ca-R	n	6.36277949	6.36277949	mg/L	38740.07775746	0.00969268	0.15233405	57.83973698	0.15	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352
Cd 214.439	Cd	nu	-0.00006084	-0.00006084	mg/L	171.26407225	0.00003465	56.95603234	6.11542687	3.57	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875
Co 230.786	Co	n	0.00494079	0.00494079	mg/L	296.93508660	0.00011499	2.32740545	5.29413765	1.78	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458
Cr 267.716	Cr	n	0.01415493	0.01415493	mg/L	611.66606813	0.00031821	2.24804972	14.41086040	2.36	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405
Cu 324.754	Cu	n	0.17985154	0.17985154	mg/L	7522.52561466	0.00043040	0.23930984	15.91045086	0.21	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858
Fe 259.940	Fe	no	42.69300010	42.69300010	mg/L	1355302.50766280	0.02364867	0.05539239	750.70122480	0.06	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163
K 766.491	K-R	n	2.67087777	2.67087777	mg/L	902.14341131	0.16048204	6.00858798	76.40639182	8.47	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175
Li 670.783	Li-R	n	0.00593048	0.00593048	mg/L	149.65380256	0.00027391	4.61865407	8.86029017	5.92	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760
Mg 279.800	Mg-R	n	3.43890646	3.43890646	mg/L	1383.16863952	0.01437363	0.41797083	5.75647393	0.42	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647866
Mn 257.610	Mn	n	0.21078871	0.21078871	mg/L	69052.58202682	0.00171953	0.81576200	561.20685038	0.81	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627
Mo 204.598	Mo	n	0.00326930	0.00326930	mg/L	39.07715677	0.00005608	1.71534335	0.72384807	1.85	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892
Na 589.592	Na-R	n	1.14816885	1.14816885	mg/L	4825.08893361	0.01147668	0.99956358	48.70675342	1.01	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677973
Ni 231.604	Ni	n	0.06465970	0.06465970	mg/L	1182.25084080	0.00053882	0.83331212	9.76225078	0.83	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129
P 177.434	P	n	0.86417030	0.86417030	mg/L	73.68096702	0.00665266	0.76983178	0.55454661	0.75		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823
Pb 220.353	Pb	n	1.54071171	1.54071171	mg/L	14951.37412380	0.00194691	0.12636412	18.87983891	0.13	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549
S 181.972	S	n	2.77535288	2.77535288	mg/L	3206.11174883	0.02193184	0.79023595	24.16226093	0.75		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328
Sb 206.834	Sb	n	0.01764578	0.01764578	mg/L	47.95057160	0.00157990	8.95344054	5.32038595	11.10	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285
Se 196.026	Se	n	0.00738915	0.00738915	mg/L	47.83581797	0.00194513	26.32414730	6.26649599	13.10	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008
Si 251.611	Si	n	2.57169078	2.57169078	mg/L	8449.67477565	0.01255171	0.48807230	41.13175397	0.49		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402922
Sn 189.925	Sn	n	0.04793206	0.04793206	mg/L	475.24265024	0.00004969	0.10365996	0.45333511	0.10	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231
Sr 421.552	Sr-R	n	0.01412687	0.01412687	mg/L	2389.75567219	0.00010934	0.77400917	18.07907697	0.76	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975
Ti 334.941	Ti	n	0.07582406	0.07582406	mg/L	14807.47490901	0.00070270	0.92675025	136.69363711	0.92	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391403
Tl 190.794	Tl	n	0.00087255	0.00087255	mg/L	3.09583735	0.00049512	56.74388598	1.93498676	62.50	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568
V 292.401	V	n	0.00543455	0.00543455	mg/L	78.66126545	0.00046045	8.47259085	12.53237125	15.93	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670
Zn 206.200	Zn	no	42.27893428	42.27893428	mg/L	1176243.25856210	0.22177601	0.52455441	6168.40997797	0.52	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930591
Y 371.029	Y		0.95	0.95	Ratio	118884.47	0.01	1.54	1833.44	1.54		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	20991.12	0.00	0.44	92.82	0.44		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	513150-007	Client ID:	DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA
Seqnum:	794308796179	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	346644	Time:	01-AUG-2024 20:19
Cal:	794308796001	Caldate:	01-AUG-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	1.754	85	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	117821	-5.68

u=use

Instrument ID: MET12

Label:	513150-007,346644	Rack:Tube:	3:21	Type:	Sample
Date Time:	8/1/2024 8:19:29 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 Coeffic
Ag 328.068	Ag	n	0.00041816	0.00041816	mg/L	34.63876279	0.00019641	46.96877546	7.83766483	22.63		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631
Al 396.152	Al	n	0.89682545	0.89682545	mg/L	30394.92843727	0.00098941	0.11032308	33.31875235	0.11	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290
As 188.980	As	n	0.03597847	0.03597847	mg/L	161.96954679	0.00106878	2.97060832	4.71892352	2.91	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584
B 249.678	B	n	0.01668340	0.01668340	mg/L	613.97010500	0.00031039	1.86047089	10.62785340	1.73	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405
Ba 230.424	Ba	n	0.00685570	0.00685570	mg/L	1044.19326169	0.00007190	1.04869536	9.05241914	0.87	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021
Be 313.107	Be	n	0.00000640	0.00000640	mg/L	9.31268823	0.00000421	65.71831527	4.77919328	51.32	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58
Ca 317.933	Ca-R	n	6.29987649	6.29987649	mg/L	38367.45539558	0.02355084	0.37383024	140.53642619	0.37	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277
Cd 214.439	Cd	nu	-0.00015180	-0.00015180	mg/L	167.54683198	0.00002627	17.30447536	4.63589264	2.77	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341
Co 230.786	Co	n	0.00486392	0.00486392	mg/L	294.62000831	0.00024951	5.12988550	11.48737232	3.90	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730
Cr 267.716	Cr	n	0.03076036	0.03076036	mg/L	1363.74102290	0.00016847	0.54767000	7.62933082	0.56	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702
Cu 324.754	Cu	n	0.26028672	0.26028672	mg/L	10492.69642356	0.00073299	0.28160691	27.09586905	0.26	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519
Fe 259.940	Fe	no	46.79162124	46.79162124	mg/L	1485408.52915978	0.06041450	0.12911392	1917.79212226	0.13	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054
K 766.491	K-R	n	2.76409884	2.76409884	mg/L	946.26900419	0.10981417	3.97287403	52.28313454	5.53	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559
Li 670.783	Li-R	n	0.00443529	0.00443529	mg/L	101.28710101	0.00125251	28.23956995	40.51561912	40.00	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515
Mg 279.800	Mg-R	n	3.02925705	3.02925705	mg/L	1219.59624964	0.02290681	0.75618570	9.17391677	0.75	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647
Mn 257.610	Mn	n	0.22886660	0.22886660	mg/L	74961.75821457	0.00119516	0.52220602	390.06451486	0.52	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444
Mo 204.598	Mo	n	0.00454419	0.00454419	mg/L	55.49006262	0.00038358	8.44100592	4.95099056	8.92	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752
Na 589.592	Na-R	n	2.27477694	2.27477694	mg/L	9606.26713544	0.00399818	0.17576143	16.96818536	0.18	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677
Ni 231.604	Ni	n	0.10030227	0.10030227	mg/L	1828.61920102	0.00016375	0.16326025	2.96687878	0.16	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295
P 177.434	P	n	0.83089628	0.83089628	mg/L	70.90531481	0.02399148	2.88742194	1.99986160	2.82		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534
Pb 220.353	Pb	n	1.75373573	1.75373573	mg/L	17017.82988097	0.00491150	0.28005902	47.62849351	0.28	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117
S 181.972	S	n	4.70167128	4.70167128	mg/L	5328.37700769	0.04512861	0.95984198	49.71810604	0.93		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803
Sb 206.834	Sb	n	0.00529431	0.00529431	mg/L	6.82039448	0.00382354	72.21980794	12.87591586	> 100.00	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575
Se 196.026	Se	n	0.00785396	0.00785396	mg/L	48.93620210	0.00054028	6.87903684	1.74057465	3.56	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326
Si 251.611	Si	n	2.53681202	2.53681202	mg/L	8335.33851747	0.01421763	0.56045276	46.59095634	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402
Sn 189.925	Sn	n	0.05496328	0.05496328	mg/L	539.53163873	0.00024188	0.44007194	2.20687922	0.41	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613
Sr 421.552	Sr-R	n	0.01048402	0.01048402	mg/L	1787.57926641	0.00008433	0.80435054	13.94303647	0.78	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361
Ti 334.941	Ti	n	0.06077498	0.06077498	mg/L	11880.10213378	0.00178534	2.93761583	347.29487028	2.92	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391
Tl 190.794	Tl	n	0.00089799	0.00089799	mg/L	3.20922043	0.00017725	19.73903118	0.69273504	21.59	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442
V 292.401	V	n	0.00482167	0.00482167	mg/L	58.83815615	0.00023009	4.77205494	6.26261636	10.64	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178
Zn 206.200	Zn	no	49.90518367	49.90518367	mg/L	1388382.56984339	0.41678943	0.83516260	11592.45327107	0.83	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930
Y 371.029	Y		0.94	0.94	Ratio	117821.25	0.01	1.52	1789.64	1.52		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	20873.05	0.00	0.46	96.43	0.46		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	513150-010	Client ID:	DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA
Seqnum:	794308796180	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	346644	Time:	01-AUG-2024 20:22
Cal:	794308796001	Caldate:	01-AUG-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	2.085	100	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	118000	-5.54

u=use

Instrument ID: MET12

Label:	513150-010,346644	Rack:Tube:	3:22	Type:	Sample
Date Time:	8/1/2024 8:22:37 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 Coeffic
Ag 328.068	Ag	n	0.00014392	0.00014392	mg/L	22.78651531	0.00013885	96.47934483	5.54102556	24.32		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631
Al 396.152	Al	n	1.71478590	1.71478590	mg/L	57967.42004544	0.00254370	0.14833902	85.66032853	0.15	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290
As 188.980	As	n	0.03392957	0.03392957	mg/L	152.88695265	0.00021849	0.64395084	0.96468601	0.63	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584
B 249.678	B	n	0.01295434	0.01295434	mg/L	484.47943271	0.00016324	1.26011850	5.58939571	1.15	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405
Ba 230.424	Ba	n	0.00944613	0.00944613	mg/L	1370.96403836	0.00007400	0.78336153	9.31708049	0.68	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021
Be 313.107	Be	nu	-0.00000278	-0.00000278	mg/L	-1.21130514	0.00000311	111.81925822	3.53733703	> 100.00	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58
Ca 317.933	Ca-R	n	7.79071733	7.79071733	mg/L	47270.64504388	0.00932136	0.11964698	55.62392666	0.12	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277
Cd 214.439	Cd	nu	-0.00017281	-0.00017281	mg/L	194.87415040	0.00003727	21.56494176	6.57693463	3.37	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341
Co 230.786	Co	n	0.00694798	0.00694798	mg/L	393.70840028	0.00026654	3.83619201	12.27116116	3.12	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730
Cr 267.716	Cr	n	0.02657775	0.02657775	mg/L	1174.59864072	0.00017283	0.65027817	7.82696771	0.67	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702
Cu 324.754	Cu	n	0.28363327	0.28363327	mg/L	11348.32217729	0.00069026	0.24336249	25.51635210	0.22	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519
Fe 259.940	Fe	no	57.07205707	57.07205707	mg/L	1811750.71958528	0.04009495	0.07025321	1272.77041682	0.07	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054
K 766.491	K-R	n	2.73672386	2.73672386	mg/L	932.16820697	0.03664716	1.33908859	17.44791521	1.87	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559
Li 670.783	Li-R	n	0.00250068	0.00250068	mg/L	39.12568381	0.00141667	56.65126869	45.82582814	> 100.00	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515
Mg 279.800	Mg-R	n	3.57685775	3.57685775	mg/L	1440.13941958	0.02351215	0.65734090	9.41634866	0.65	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647
Mn 257.610	Mn	n	0.29881821	0.29881821	mg/L	97815.44802557	0.00031473	0.10532478	102.71876260	0.11	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444
Mo 204.598	Mo	n	0.00329533	0.00329533	mg/L	39.54195432	0.00081994	24.88175304	10.58329461	26.76	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752
Na 589.592	Na-R	n	1.96439217	1.96439217	mg/L	8288.48948744	0.00583743	0.29716211	24.77391382	0.30	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677
Ni 231.604	Ni	n	0.10692817	0.10692817	mg/L	1950.27946961	0.00024897	0.23284250	4.51089764	0.23	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295
P 177.434	P	n	0.76544094	0.76544094	mg/L	65.44872253	0.00178441	0.23312203	0.14874346	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534
Pb 220.353	Pb	n	2.08486806	2.08486806	mg/L	20228.59302318	0.00648403	0.31100456	62.87796135	0.31	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117
S 181.972	S	n	4.27881055	4.27881055	mg/L	4863.02845333	0.04633595	1.08291672	51.04823022	1.05		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803
Sb 206.834	Sb	n	0.00612633	0.00612633	mg/L	10.71678448	0.00053221	8.68722005	1.79222840	16.72	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575
Se 196.026	Se	n	0.00633980	0.00633980	mg/L	43.10616069	0.00141057	22.24939127	4.54432967	10.54	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326
Si 251.611	Si	n	4.03331436	4.03331436	mg/L	13239.30396611	0.02777754	0.68870259	91.02655640	0.69		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402
Sn 189.925	Sn	n	0.06139829	0.06139829	mg/L	598.62050610	0.00021236	0.34586665	1.93752457	0.32	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613
Sr 421.552	Sr-R	n	0.01278543	0.01278543	mg/L	2170.82647460	0.00015315	1.19788500	25.32297753	1.17	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361
Ti 334.941	Ti	n	0.16803221	0.16803221	mg/L	32744.67323751	0.01791749	10.66312585	3485.42394789	10.64	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391
Tl 190.794	Tl	nu	-0.00139199	-0.00139199	mg/L	-5.69786426	0.00122326	87.87835923	4.78066416	83.90	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442
V 292.401	V	n	0.00829793	0.00829793	mg/L	145.69298561	0.00025286	3.04728383	6.88233610	4.72	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178
Zn 206.200	Zn	no	42.19636147	42.19636147	mg/L	1174035.03213711	0.16554871	0.39232934	4604.52089963	0.39	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930
Y 371.029	Y		0.94	0.94	Ratio	118000.20	0.02	1.74	2049.42	1.74		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	20922.81	0.00	0.16	33.13	0.16		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	513150-012	Client ID:	DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB
Seqnum:	794308796181	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	346644	Time:	01-AUG-2024 20:25
Cal:	794308796001	Caldate:	01-AUG-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	3.247	160	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	120023	-3.92

u=use

Instrument ID: MET12

Label:	513150-012,346644	**Rack:Tube:**	3:23	**Type:**	Sample
Date Time:	8/1/2024 8:25:44 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 Coef
Ag 328.068	Ag	n	0.00071129	0.00071129	mg/L	47.08350724	0.00015194	21.36138941	6.06331452	12.88		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363
Al 396.152	Al	n	1.40912387	1.40912387	mg/L	47629.67267622	0.00281458	0.19973950	94.78236852	0.20	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529
As 188.980	As	n	0.02726580	0.02726580	mg/L	123.55963507	0.00120335	4.41341399	5.31309766	4.30	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458
B 249.678	B	n	0.01163440	0.01163440	mg/L	442.63245870	0.00039182	3.36773338	13.41590180	3.03	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340
Ba 230.424	Ba	n	0.00844658	0.00844658	mg/L	1244.34930453	0.00005140	0.60855883	6.47213173	0.52	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02
Be 313.107	Be	n	0.00006138	0.00006138	mg/L	71.86231531	0.00002073	33.76644601	23.55246203	32.77	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5
Ca 317.933	Ca-R	n	6.16802309	6.16802309	mg/L	37575.26553785	0.02068115	0.33529626	123.41192989	0.33	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627
Cd 214.439	Cd	nu	0.00002030	0.00002030	mg/L	173.58996187	0.00004665	229.78285175	8.23231443	4.74	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34
Co 230.786	Co	n	0.00432272	0.00432272	mg/L	267.27542547	0.00020410	4.72163505	9.39671438	3.52	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073
Cr 267.716	Cr	n	0.02407334	0.02407334	mg/L	1060.77523641	0.00006899	0.28656939	3.12422479	0.29	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270
Cu 324.754	Cu	n	0.19184599	0.19184599	mg/L	7968.90202061	0.00129639	0.67574312	47.92279369	0.60	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451
Fe 259.940	Fe	no	38.54649117	38.54649117	mg/L	1223675.84971418	0.10337966	0.26819473	3281.67405586	0.27	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905
K 766.491	K-R	n	2.46247140	2.46247140	mg/L	803.24827577	0.01501757	0.60985776	7.14994992	0.89	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555
Li 670.783	Li-R	n	0.00121128	0.00121128	mg/L	-3.14127857	0.00061426	50.71181198	19.86993597	> 100.00	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651
Mg 279.800	Mg-R	n	3.00020563	3.00020563	mg/L	1206.99903063	0.02612266	0.87069556	10.46182763	0.87	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864
Mn 257.610	Mn	n	0.22191452	0.22191452	mg/L	72674.61002801	0.00113864	0.51309819	371.61937597	0.51	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44
Mo 204.598	Mo	n	0.00228605	0.00228605	mg/L	26.44569710	0.00042459	18.57312488	5.48039656	20.72	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475
Na 589.592	Na-R	n	1.88872570	1.88872570	mg/L	7968.15567905	0.00606621	0.32117986	25.74483965	0.32	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677
Ni 231.604	Ni	n	0.05812862	0.05812862	mg/L	1063.28222815	0.00004992	0.08588223	0.90448610	0.09	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929
P 177.434	P	n	0.72792235	0.72792235	mg/L	62.32468987	0.04476641	6.14988819	3.73160057	5.99		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153
Pb 220.353	Pb	n	3.24689597	3.24689597	mg/L	31496.05614676	0.01810054	0.55747200	175.52725396	0.56	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511
S 181.972	S	n	4.05188726	4.05188726	mg/L	4612.41566811	0.03208801	0.79192748	35.35129623	0.77		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803
Sb 206.834	Sb	nu	0.00164877	0.00164877	mg/L	-6.37713936	0.00245995	149.19916591	8.28395987	> 100.00	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575
Se 196.026	Se	n	0.00529334	0.00529334	mg/L	41.46377721	0.00067334	12.72048474	2.16925109	5.23	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326
Si 251.611	Si	n	3.11093101	3.11093101	mg/L	10216.80932692	0.01945879	0.62549717	63.76612917	0.62		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402
Sn 189.925	Sn	n	0.05225427	0.05225427	mg/L	514.54368841	0.00122350	2.34142881	11.16310419	2.17	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613
Sr 421.552	Sr-R	n	0.01225001	0.01225001	mg/L	2078.95246382	0.00010174	0.83048989	16.82112705	0.81	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361
Ti 334.941	Ti	n	0.10767025	0.10767025	mg/L	21002.33148224	0.00251614	2.33689404	489.45558725	2.33	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39
Tl 190.794	Tl	nu	-0.00102942	-0.00102942	mg/L	-4.34753762	0.00038341	37.24551355	1.49843833	34.47	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442
V 292.401	V	n	0.00612779	0.00612779	mg/L	100.55818054	0.00028516	4.65362741	7.76155366	7.72	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178
Zn 206.200	Zn	no	98.04432051	98.04432051	mg/L	2727260.16039513	0.37991937	0.38749758	10566.96073500	0.39	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693
Y 371.029	Y		0.96	0.96	Ratio	120023.02	0.02	1.58	1892.59	1.58		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21202.93	0.00	0.18	37.81	0.18		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12	Lab ID:	QC1174500		
Seqnum:	794308796146.3	Matrix:	Wipe		
File:	icp data	Batch:	346642	Time:	01-AUG-2024 18:36
Cal:	794308796001	Caldate:	01-AUG-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	0.001670	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	124916	122316	-2.08

u=use

Instrument ID: MET12

Label:	BLANK,QC1174500,346642	**Rack:Tube:**	2:54	**Type:**	Sample
Date Time:	8/1/2024 6:36:16 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	0.00004400	0.00004400	mg/L	23.64206899	0.00040825	927.73645561	16.29130062	68.91		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314019
Al 396.152	Al	n	0.00985382	0.00985382	mg/L	407.55182557	0.00111526	11.31800860	37.55683092	9.22	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907214
As 188.980	As	nu	0.00049750	0.00049750	mg/L	5.53812617	0.00068007	136.69665944	3.00266074	54.22	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846035
B 249.678	B	n	0.00235605	0.00235605	mg/L	131.43056201	0.00030531	12.95854891	10.45392644	7.95	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059994
Ba 230.424	Ba	nu	-0.00064846	-0.00064846	mg/L	97.27429286	0.00004388	6.76692777	5.52508433	5.68	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219498
Be 313.107	Be	n	0.00000526	0.00000526	mg/L	8.42881732	0.00000553	105.01428247	6.27955255	74.50	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	0.02047189	0.02047189	mg/L	866.32118245	0.00089927	4.39268564	5.36624412	0.62	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.362773528
Cd 214.439	Cd	nu	-0.00013130	-0.00013130	mg/L	36.01587263	0.00001212	9.22766772	2.13821109	5.94	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3418750
Co 230.786	Co	nu	-0.00001203	-0.00001203	mg/L	56.48792650	0.00014178	1178.27903225	6.52729316	11.56	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	nu	0.00008939	0.00008939	mg/L	-26.37278588	0.00013671	152.92975707	6.19113477	23.48	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024053
Cu 324.754	Cu	n	0.00316621	0.00316621	mg/L	1020.66874808	0.00100677	31.79723594	37.21658306	3.65	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	0.02310900	0.02310900	mg/L	788.93873094	0.00319160	13.81108565	101.31396289	12.84	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	0.91813901	0.91813901	mg/L	71.84624904	0.05285400	5.75664425	25.16408163	35.02	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	nu	-0.00279491	-0.00279491	mg/L	-134.39125926	0.00098194	35.13303603	31.76339047	23.64	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	0.00556796	0.00556796	mg/L	3.26914173	0.00364678	65.49582288	1.46049318	44.68	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00653955	0.00653955	mg/L	2298.13817107	0.00002952	0.45140225	9.63438485	0.42	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446275
Mo 204.598	Mo	n	0.00091981	0.00091981	mg/L	8.50576745	0.00051474	55.96094548	6.64394449	78.11	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	0.01213383	0.01213383	mg/L	5.73512932	0.00097196	8.01031198	4.12496530	71.92	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779730
Ni 231.604	Ni	nu	-0.00086957	-0.00086957	mg/L	-11.48254084	0.00019886	22.86936958	3.60302162	31.38	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	nu	0.00180310	0.00180310	mg/L	1.79846595	0.00668767	370.89906612	0.55746514	31.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715348232
Pb 220.353	Pb	n	0.00166989	0.00166989	mg/L	24.94601957	0.00117675	70.46877260	11.41137343	45.74	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351175497
S 181.972	S	n	0.10433858	0.10433858	mg/L	261.80735172	0.01792214	17.17690329	19.74478294	7.54		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698033289
Sb 206.834	Sb	n	0.00847212	0.00847212	mg/L	12.61956045	0.00299154	35.31034664	10.07410419	79.83	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535752858
Se 196.026	Se	nu	-0.00019317	-0.00019317	mg/L	27.20678281	0.00180306	933.39332093	5.80879680	21.35	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260087
Si 251.611	Si	n	0.02095788	0.02095788	mg/L	91.28185647	0.00365305	17.43042754	11.97097783	13.11		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029226
Sn 189.925	Sn	n	0.02360275	0.02360275	mg/L	251.80374388	0.00003196	0.13538767	0.29155737	0.12	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.936132317
Sr 421.552	Sr-R	n	0.00013163	0.00013163	mg/L	64.41236319	0.00008661	65.79671840	14.31998397	22.23	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619758
Ti 334.941	Ti	n	0.00503616	0.00503616	mg/L	1036.66557004	0.00151004	29.98393577	293.74241027	28.34	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914030
Tl 190.794	Tl	n	0.00049874	0.00049874	mg/L	1.49292939	0.00058955	118.20786685	2.30404426	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144425681
V 292.401	V	n	0.00076358	0.00076358	mg/L	-17.77019107	0.00077250	101.16893457	21.02579537	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	0.01136067	0.01136067	mg/L	375.55630284	0.00013767	1.21185058	3.82923270	1.02	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.98	0.98	Ratio	122315.93	0.02	2.22	2709.59	2.22		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	21669.69	0.00	0.37	80.28	0.37		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12	Lab ID:	QC1174504		
Seqnum:	794308796173.1	Matrix:	Wipe		
File:	icp data	Batch:	346644	Time:	01-AUG-2024 20:00
Cal:	794308796001	Caldate:	01-AUG-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	0.004053	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	124916	119092	-4.66

u=use

Instrument ID: MET12

Label:	BLANK,QC1174504,346644	Rack:Tube:	3:17	Type:	Sample
Date Time:	8/1/2024 8:00:43 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	n	0.00007023	0.00007023	mg/L	24.68792871	0.00009077	129.25729753	3.62228844	14.67		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.06989479	0.06989479	mg/L	2429.49029177	0.00075047	1.07371067	25.27239948	1.04	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00147152	0.00147152	mg/L	9.83990202	0.00131311	89.23526350	5.79771527	58.92	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00088234	0.00088234	mg/L	80.97346212	0.00026030	29.50059874	8.91263836	11.01	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00032708	-0.00032708	mg/L	137.75220054	0.00005300	16.20299957	6.67291047	4.84	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00009508	0.00009508	mg/L	110.48832643	0.00001176	12.36474943	13.35873433	12.09	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03819568	0.03819568	mg/L	972.08653028	0.00134273	3.51540204	8.01256773	0.82	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	nu	0.00003557	0.00003557	mg/L	65.47467738	0.00004684	131.68177182	8.26541509	12.62	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	nu	-0.00014104	-0.00014104	mg/L	50.55032939	0.00025613	181.60089471	11.79187786	23.33	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00032795	0.00032795	mg/L	-15.56735797	0.00009667	29.47758485	4.37798144	28.12	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00348882	0.00348882	mg/L	1032.60478323	0.00106546	30.53940495	39.38643057	3.81	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.02979679	0.02979679	mg/L	1001.24202112	0.00012031	0.40377824	3.81920268	0.38	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.81643861	0.81643861	mg/L	23.42112910	0.05432557	6.65396825	25.86470381	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00161506	-0.00161506	mg/L	-96.22309768	0.00063941	39.59046652	20.68335515	21.50	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.01224208	0.01224208	mg/L	5.94256754	0.01010246	82.52235847	4.04591898	68.08	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00109204	0.00109204	mg/L	520.23334805	0.00004821	4.41453794	15.73384310	3.02	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00149481	0.00149481	mg/L	15.93806947	0.00013397	8.96255774	1.72925634	10.85	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01258194	0.01258194	mg/L	7.63299229	0.00100533	7.99024686	4.26658830	55.90	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	-0.00046055	-0.00046055	mg/L	-4.07168973	0.00039541	85.85624811	7.16408259	> 100.00	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	0.00457812	0.00457812	mg/L	2.02983774	0.01942529	424.30744049	1.61923720	79.77		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00405285	0.00405285	mg/L	47.97737923	0.00145950	36.01162724	14.15327251	29.50	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.10381262	0.10381262	mg/L	261.23883848	0.00390143	3.75814337	4.29819446	1.65		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00021029	0.00021029	mg/L	-15.20466410	0.00050687	241.03753543	1.70690300	11.23	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	n	0.00301778	0.00301778	mg/L	37.55206111	0.00233338	77.32089378	7.51728028	20.02	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.03997113	0.03997113	mg/L	153.59059771	0.00233069	5.83093910	7.63764108	4.97		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.02447734	0.02447734	mg/L	259.78440114	0.00025908	1.05843177	2.36379252	0.91	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00017284	0.00017284	mg/L	71.23399506	0.00002521	14.58638283	4.16846590	5.85	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00093607	0.00093607	mg/L	239.09283830	0.00017058	18.22341897	33.18302768	13.88	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00056677	0.00056677	mg/L	1.75933121	0.00013444	23.72021578	0.52540400	29.86	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00116512	0.00116512	mg/L	-6.84242377	0.00028672	24.60866554	7.80393200	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.02380329	0.02380329	mg/L	721.65212431	0.00179971	7.56076275	50.05658680	6.94	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.95	0.95	Ratio	119091.50	0.02	2.61	3108.97	2.61		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21131.92	0.00	0.14	29.56	0.14		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 513150 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET12	Inst:	MET12
Seqnum:	794308796147.2	Seqnum:	794308796148.2
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1174501	Lab ID:	QC1174502
Matrix:	Wipe	Matrix:	Wipe
Batch:	346642	Batch:	346642
Time:	01-AUG-2024 18:39	Time:	01-AUG-2024 18:42
Cal:	794308796001	Cal:	794308796001
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	1.064	53.19	A	106	1.021	51.07	A	102	80-120	4	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	124916	122158	-2.21

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	124916	123359	-1.25

u=use

Instrument ID: MET12

Label:	BS,QC1174501,346642	**Rack:Tube:**	2:55	**Type:**	Sample
Date Time:	8/1/2024 6:39:23 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	0.46372905	0.46372905	mg/L	18527.11179488	0.00270003	0.58224376	107.74581560	0.58		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314019
Al 396.152	Al	n	1.00183969	1.00183969	mg/L	33819.54373880	0.00523436	0.52247500	176.26990594	0.52	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907214
As 188.980	As	n	0.96735695	0.96735695	mg/L	4274.47786304	0.00797086	0.82398326	35.19330352	0.82	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846035
B 249.678	B	n	0.90003314	0.90003314	mg/L	30868.14920170	0.00551803	0.61309216	188.93931799	0.61	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059994
Ba 230.424	Ba	n	1.02619429	1.02619429	mg/L	129388.46488073	0.00835192	0.81387294	1051.59848297	0.81	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219498
Be 313.107	Be	n	0.99959075	0.99959075	mg/L	1135832.98682302	0.00510853	0.51106206	5804.79903449	0.51	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.580706
Ca 317.933	Ca-R	n	1.06562639	1.06562639	mg/L	7103.73816134	0.00227948	0.21390944	13.60245715	0.19	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.362773528
Cd 214.439	Cd	n	1.00570105	1.00570105	mg/L	177547.66453875	0.00914361	0.90917748	1613.65782202	0.91	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3418750
Co 230.786	Co	n	1.08506998	1.08506998	mg/L	50012.99778398	0.01103592	1.01706966	508.08341505	1.02	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07304581
Cr 267.716	Cr	n	1.01503821	1.01503821	mg/L	45937.98312100	0.00401288	0.39534270	181.73235555	0.40	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024053
Cu 324.754	Cu	n	1.02020136	1.02020136	mg/L	38616.56462389	0.00761004	0.74593548	281.31632180	0.73	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45198587
Fe 259.940	Fe	n	1.11718049	1.11718049	mg/L	35519.99093915	0.00407672	0.36491185	129.41114247	0.36	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90541633
K 766.491	K-R	n	9.43073927	9.43073927	mg/L	4124.40582938	0.07522932	0.79770332	35.81709743	0.87	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.1055591755
Li 670.783	Li-R	n	1.01571412	1.01571412	mg/L	32812.26101473	0.00306462	0.30172044	99.13316767	0.30	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65157604
Mg 279.800	Mg-R	n	1.00532104	1.00532104	mg/L	403.78372035	0.01589179	1.58076751	6.36448085	1.58	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.4886478667
Mn 257.610	Mn	n	1.09398589	1.09398589	mg/L	357212.23229957	0.00463996	0.42413329	1514.34990919	0.42	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446275
Mo 204.598	Mo	n	1.00531558	1.00531558	mg/L	12972.91826522	0.00360660	0.35875344	46.55215451	0.36	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47528929
Na 589.592	Na-R	n	14.24438313	14.24438313	mg/L	60406.89462915	0.04655232	0.32681179	197.56698204	0.33	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779730
Ni 231.604	Ni	n	1.06255190	1.06255190	mg/L	19255.72990689	0.00637230	0.59971624	115.45281591	0.60	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92951293
P 177.434	P	n	0.02383312	0.02383312	mg/L	3.63743030	0.01306162	54.80450283	1.08877956	29.93		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715348232
Pb 220.353	Pb	n	1.06384493	1.06384493	mg/L	10323.84416035	0.00930563	0.87471674	90.23995851	0.87	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351175497
S 181.972	S	n	0.07549384	0.07549384	mg/L	230.32573435	0.00531888	7.04544426	5.85979571	2.54		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698033289
Sb 206.834	Sb	n	0.93852891	0.93852891	mg/L	3144.67961647	0.00498203	0.53083348	16.77714976	0.53	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535752858
Se 196.026	Se	n	0.88372648	0.88372648	mg/L	2874.80807159	0.00668293	0.75622149	21.52994806	0.75	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260087
Si 251.611	Si	n	4.45275202	4.45275202	mg/L	14614.22982229	0.02268029	0.50935455	74.32296419	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029226
Sn 189.925	Sn	n	0.02162863	0.02162863	mg/L	233.84854890	0.00022185	1.02573769	2.02417246	0.87	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.936132317
Sr 421.552	Sr-R	n	1.06325075	1.06325075	mg/L	175844.47153783	0.00906139	0.85223476	1498.23203292	0.85	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619758
Ti 334.941	Ti	n	1.03373329	1.03373329	mg/L	201145.46000067	0.00375735	0.36347406	730.90419539	0.36	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914030
Tl 190.794	Tl	n	1.08613104	1.08613104	mg/L	4244.31051265	0.00196477	0.18089628	7.67860731	0.18	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144425681
V 292.401	V	n	1.01022849	1.01022849	mg/L	27456.98297215	0.00305798	0.30270231	83.23167753	0.30	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81786705
Zn 206.200	Zn	n	1.10576417	1.10576417	mg/L	30821.10566728	0.00800888	0.72428498	222.75663441	0.72	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.69305913
Y 371.029	Y		0.98	0.98	Ratio	122157.89	0.02	1.95	2386.05	1.95		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	21612.27	0.00	0.11	22.72	0.11		-	-	-	Fitted	-	-

Instrument ID: MET12

Label:	BSD,QC1174502,346642	**Rack:Tube:**	2:56	**Type:**	Sample
Date Time:	8/1/2024 6:42:31 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	**Flags Replicate 1:**		**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
Ag 328.068	Ag	n	0.44835099	0.44835099	mg/L	17913.44786694	0.00274326	0.61185485	109.47067684	0.61		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401
Al 396.152	Al	n	0.92348611	0.92348611	mg/L	31180.58974790	0.00435103	0.47115286	146.52327991	0.47	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721
As 188.980	As	n	0.93581406	0.93581406	mg/L	4135.20648122	0.00744264	0.79531235	32.86110643	0.79	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603
B 249.678	B	n	0.86684768	0.86684768	mg/L	29731.86894585	0.00956411	1.10332112	327.47850706	1.10	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999
Ba 230.424	Ba	n	0.98848504	0.98848504	mg/L	124640.42917370	0.00315795	0.31947412	397.62119740	0.32	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949
Be 313.107	Be	n	0.95974575	0.95974575	mg/L	1090557.28750877	0.00443775	0.46238808	5042.59563641	0.46	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070
Ca 317.933	Ca-R	n	1.00062791	1.00062791	mg/L	6715.83567704	0.00026313	0.02629600	1.57016320	0.02	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352
Cd 214.439	Cd	n	0.96750446	0.96750446	mg/L	170806.59134147	0.00316404	0.32703075	558.38719020	0.33	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875
Co 230.786	Co	n	1.04129102	1.04129102	mg/L	47997.43636098	0.00556718	0.53464161	256.30757928	0.53	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458
Cr 267.716	Cr	n	0.97178194	0.97178194	mg/L	43979.01809642	0.00336134	0.34589402	152.22571630	0.35	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405
Cu 324.754	Cu	n	0.97407751	0.97407751	mg/L	36911.54086704	0.00956698	0.98215795	353.65729468	0.96	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858
Fe 259.940	Fe	n	1.05747135	1.05747135	mg/L	33624.54022488	0.00384483	0.36358708	122.04989330	0.36	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163
K 766.491	K-R	n	9.11927519	9.11927519	mg/L	3976.13651848	0.02516129	0.27591326	11.97942980	0.30	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175
Li 670.783	Li-R	n	0.97158091	0.97158091	mg/L	31384.64114658	0.00224024	0.23057633	72.46636055	0.23	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760
Mg 279.800	Mg-R	n	0.95432422	0.95432422	mg/L	383.35318374	0.00858158	0.89923087	3.43682454	0.90	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647866
Mn 257.610	Mn	n	1.04810506	1.04810506	mg/L	342237.90008178	0.00399576	0.38123676	1304.10254986	0.38	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627
Mo 204.598	Mo	n	0.96050513	0.96050513	mg/L	12394.51139074	0.00307037	0.31966223	39.63075177	0.32	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892
Na 589.592	Na-R	n	13.68694469	13.68694469	mg/L	58041.14976303	0.02771165	0.20246777	117.60760454	0.20	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677973
Ni 231.604	Ni	n	1.02106957	1.02106957	mg/L	18504.14533211	0.00406569	0.39817946	73.66187266	0.40	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129
P 177.434	P	nu	0.00473109	0.00473109	mg/L	2.04497855	0.01332497	281.64666120	1.11073117	54.32		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823
Pb 220.353	Pb	n	1.02137128	1.02137128	mg/L	9912.08345197	0.00651176	0.63755118	63.14686827	0.64	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549
S 181.972	S	n	0.04175261	0.04175261	mg/L	193.13050548	0.00086955	2.08262728	0.95798284	0.50		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328
Sb 206.834	Sb	n	0.92011050	0.92011050	mg/L	3082.65325906	0.00466935	0.50747678	15.72419340	0.51	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285
Se 196.026	Se	n	0.86149492	0.86149492	mg/L	2803.18911377	0.00912203	1.05886093	29.38784531	1.05	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008
Si 251.611	Si	n	4.11534513	4.11534513	mg/L	13508.54948503	0.01769301	0.42992763	57.97969693	0.43		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402922
Sn 189.925	Sn	n	0.02146901	0.02146901	mg/L	232.38868829	0.00073425	3.42003163	6.69922345	2.88	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231
Sr 421.552	Sr-R	n	1.00429170	1.00429170	mg/L	166095.95514682	0.00842173	0.83857421	1392.46893239	0.84	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975
Ti 334.941	Ti	n	0.98143431	0.98143431	mg/L	190971.92397817	0.00686026	0.69900371	1334.50205301	0.70	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391403
Tl 190.794	Tl	n	1.04122991	1.04122991	mg/L	4068.82952341	0.00266136	0.25559765	10.40097618	0.26	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568
V 292.401	V	n	0.96299893	0.96299893	mg/L	26171.53396702	0.00208801	0.21682332	56.83097524	0.22	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670
Zn 206.200	Zn	n	1.13574964	1.13574964	mg/L	31654.77593843	0.00664708	0.58525935	184.87986993	0.58	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930591
Y 371.029	Y		0.99	0.99	Ratio	123359.36	0.02	1.58	1950.58	1.58		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21839.05	0.00	0.35	76.13	0.35		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 513150 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET12	Inst:	MET12
Seqnum:	794308796174.1	Seqnum:	794308796175.1
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1174506	Lab ID:	QC1174507
Matrix:	Wipe	Matrix:	Wipe
Batch:	346644	Batch:	346644
Time:	01-AUG-2024 20:03	Time:	01-AUG-2024 20:06
Cal:	794308796001	Cal:	794308796001
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	1.054	52.69	A	105	1.033	51.67	A	103	80-120	2	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	124916	119022	-4.72

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	124916	119128	-4.63

u=use

Instrument ID: MET12

Label:	BS,QC1174506,346644	Rack:Tube:	3:18	Type:	Sample
Date Time:	8/1/2024 8:03:51 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	0.46007400	0.46007400	mg/L	18381.25484145	0.00290510	0.63144169	115.92903046	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314019
Al 396.152	Al	n	0.95524317	0.95524317	mg/L	32250.57092985	0.00268349	0.28092269	90.36810592	0.28	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907214
As 188.980	As	n	0.94402562	0.94402562	mg/L	4171.46303666	0.00815248	0.86358678	35.99520577	0.86	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846035
B 249.678	B	n	0.88255774	0.88255774	mg/L	30269.77853776	0.00452404	0.51260503	154.90451191	0.51	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059994
Ba 230.424	Ba	n	1.01651545	1.01651545	mg/L	128169.78505316	0.00126934	0.12487126	159.82335225	0.12	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219498
Be 313.107	Be	n	0.99511609	0.99511609	mg/L	1130748.44994387	0.00074421	0.07478579	845.63732182	0.07	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.580706
Ca 317.933	Ca-R	n	1.07409072	1.07409072	mg/L	7154.26669681	0.00182389	0.16980760	10.88379964	0.15	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.362773528
Cd 214.439	Cd	n	0.99035376	0.99035376	mg/L	174839.27195138	0.00843514	0.85173013	1488.62819851	0.85	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3418750
Co 230.786	Co	n	1.07527417	1.07527417	mg/L	49562.01648486	0.00234394	0.21798512	107.91271864	0.22	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07304581
Cr 267.716	Cr	n	1.00976784	1.00976784	mg/L	45699.30271940	0.00316425	0.31336371	143.30006253	0.31	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024053
Cu 324.754	Cu	n	1.03652509	1.03652509	mg/L	39219.96905103	0.00273344	0.26371228	101.04572343	0.26	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45198587
Fe 259.940	Fe	n	1.12682297	1.12682297	mg/L	35826.10268892	0.00298525	0.26492655	94.76359485	0.26	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90541633
K 766.491	K-R	n	9.49201420	9.49201420	mg/L	4153.57507128	0.03813793	0.40178966	18.15768131	0.44	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.1055591755
Li 670.783	Li-R	n	1.03029287	1.03029287	mg/L	33283.85476910	0.00167028	0.16211653	54.02947585	0.16	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65157604
Mg 279.800	Mg-R	n	1.03182294	1.03182294	mg/L	414.40084920	0.00846858	0.82074007	3.39157190	0.82	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.4886478667
Mn 257.610	Mn	n	1.08782294	1.08782294	mg/L	355200.89677379	0.00363954	0.33457057	1187.84044183	0.33	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446275
Mo 204.598	Mo	n	1.00547303	1.00547303	mg/L	12974.94102175	0.00269702	0.26823401	34.81172756	0.27	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47528929
Na 589.592	Na-R	n	14.26673991	14.26673991	mg/L	60501.77652253	0.04117233	0.28858959	174.73439750	0.29	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779730
Ni 231.604	Ni	n	1.05555676	1.05555676	mg/L	19128.99895110	0.00576383	0.54604638	104.42865699	0.55	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92951293
P 177.434	P	n	0.01465457	0.01465457	mg/L	2.87233932	0.00366115	24.98300594	0.30518323	10.62		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715348232
Pb 220.353	Pb	n	1.05387740	1.05387740	mg/L	10227.25730597	0.00800660	0.75972797	77.64282534	0.76	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351175497
S 181.972	S	n	0.07181883	0.07181883	mg/L	226.27049002	0.00406527	5.66044695	4.47869642	1.98		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698033289
Sb 206.834	Sb	n	0.91548027	0.91548027	mg/L	3067.06780099	0.00237007	0.25888828	7.98129938	0.26	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535752858
Se 196.026	Se	n	0.85589288	0.85589288	mg/L	2785.13511286	0.01087883	1.27105016	35.04759362	1.26	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260087
Si 251.611	Si	n	4.68156500	4.68156500	mg/L	15364.04336256	0.03263440	0.69708322	106.94242041	0.70		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029226
Sn 189.925	Sn	n	0.02383826	0.02383826	mg/L	254.00950539	0.00055754	2.33883664	5.08694038	2.00	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.936132317
Sr 421.552	Sr-R	n	1.06821023	1.06821023	mg/L	176664.52748968	0.00200457	0.18765654	331.43974247	0.19	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619758
Ti 334.941	Ti	n	1.03116973	1.03116973	mg/L	200646.77643138	0.00545252	0.52877001	1060.65833072	0.53	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914030
Tl 190.794	Tl	n	1.07504673	1.07504673	mg/L	4200.99092071	0.00516370	0.48032296	20.18047098	0.48	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144425681
V 292.401	V	n	1.01526757	1.01526757	mg/L	27594.11564381	0.00225730	0.22233525	61.43871718	0.22	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81786705
Zn 206.200	Zn	n	1.21272063	1.21272063	mg/L	33796.13428510	0.00777582	0.64118802	216.27425193	0.64	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.69305913
Y 371.029	Y		0.95	0.95	Ratio	119021.56	0.02	2.57	3056.96	2.57		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21168.44	0.00	0.23	47.68	0.23		-	-	-	Fitted	-	-

Instrument ID: MET12

Label:	BSD,QC1174507,346644	**Rack:Tube:**	3:19	**Type:**	Sample
Date Time:	8/1/2024 8:06:59 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 Coefficient
Ag 328.068	Ag	n	0.45153628	0.45153628	mg/L	18040.55510404	0.00223535	0.49505472	89.20251993	0.49		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401
Al 396.152	Al	n	0.93237468	0.93237468	mg/L	31480.29524487	0.00134407	0.14415540	45.26221524	0.14	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721
As 188.980	As	n	0.92710711	0.92710711	mg/L	4096.76324720	0.00791274	0.85348767	34.93671408	0.85	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603
B 249.678	B	n	0.86521994	0.86521994	mg/L	29676.12725668	0.00926105	1.07036998	317.10166123	1.07	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999
Ba 230.424	Ba	n	0.99583106	0.99583106	mg/L	125565.38337853	0.00577752	0.58017058	727.45330445	0.58	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949
Be 313.107	Be	n	0.97249584	0.97249584	mg/L	1105045.16342284	0.00249128	0.25617403	2830.83248138	0.26	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070
Ca 317.933	Ca-R	n	1.04975110	1.04975110	mg/L	7009.01004136	0.00037752	0.03596264	2.25278826	0.03	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352
Cd 214.439	Cd	n	0.96671512	0.96671512	mg/L	170667.47154239	0.00821119	0.84939130	1449.10612987	0.85	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875
Co 230.786	Co	n	1.05057921	1.05057921	mg/L	48425.07566786	0.00594069	0.56546762	273.50364072	0.56	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458
Cr 267.716	Cr	n	0.98941163	0.98941163	mg/L	44777.42334859	0.00143974	0.14551453	65.20179178	0.15	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405
Cu 324.754	Cu	n	1.01282224	1.01282224	mg/L	38343.76380875	0.00515728	0.50919913	190.64641768	0.50	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858
Fe 259.940	Fe	n	1.10393507	1.10393507	mg/L	35099.52481335	0.00291700	0.26423662	92.59699334	0.26	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163
K 766.491	K-R	n	9.24534951	9.24534951	mg/L	4036.14533682	0.06419552	0.69435471	30.56384368	0.76	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175
Li 670.783	Li-R	n	1.00494364	1.00494364	mg/L	32463.85907759	0.00200028	0.19904422	64.70443292	0.20	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760
Mg 279.800	Mg-R	n	0.98581463	0.98581463	mg/L	395.97219543	0.00991574	1.00584271	3.97114315	1.00	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647866
Mn 257.610	Mn	n	1.06392636	1.06392636	mg/L	347401.67146608	0.00286996	0.26975190	936.67350581	0.27	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627
Mo 204.598	Mo	n	0.98412786	0.98412786	mg/L	12699.42431361	0.00137276	0.13948966	17.71882170	0.14	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892
Na 589.592	Na-R	n	13.95910374	13.95910374	mg/L	59196.18019484	0.02306813	0.16525512	97.90062141	0.17	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677973
Ni 231.604	Ni	n	1.03533099	1.03533099	mg/L	18762.54445271	0.00299778	0.28954794	54.31355877	0.29	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129
P 177.434	P	nu	-0.00149707	-0.00149707	mg/L	1.52591378	0.00730537	487.97858562	0.60895511	39.91		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823
Pb 220.353	Pb	n	1.03330579	1.03330579	mg/L	10027.79892781	0.00679456	0.65755548	65.88922376	0.66	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549
S 181.972	S	n	0.05590883	0.05590883	mg/L	208.73530822	0.00495083	8.85518698	5.45432129	2.61		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328
Sb 206.834	Sb	n	0.91876515	0.91876515	mg/L	3078.12841341	0.00512867	0.55821289	17.27096445	0.56	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285
Se 196.026	Se	n	0.83754049	0.83754049	mg/L	2726.01180955	0.01024716	1.22348265	33.01259979	1.21	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008
Si 251.611	Si	n	4.59095195	4.59095195	mg/L	15067.10521847	0.02624934	0.57176257	86.01868316	0.57		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402922
Sn 189.925	Sn	n	0.02272770	0.02272770	mg/L	243.87549524	0.00068391	3.00913287	6.23992020	2.56	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231
Sr 421.552	Sr-R	n	1.04734488	1.04734488	mg/L	173214.56231168	0.00980255	0.93594271	1620.77644742	0.94	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975
Ti 334.941	Ti	n	1.00825037	1.00825037	mg/L	196188.35432348	0.00071767	0.07117969	139.60566245	0.07	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391403
Tl 190.794	Tl	n	1.05238812	1.05238812	mg/L	4112.43759453	0.00158906	0.15099529	6.21026240	0.15	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568
V 292.401	V	n	0.99224177	0.99224177	mg/L	26967.41857310	0.00073655	0.07423085	20.04726912	0.07	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670
Zn 206.200	Zn	n	1.08733539	1.08733539	mg/L	30308.56889149	0.00691996	0.63641464	192.46968875	0.64	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930591
Y 371.029	Y		0.95	0.95	Ratio	119127.66	0.02	2.23	2653.28	2.23		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21205.22	0.00	0.45	95.95	0.45		-	-	-	Fitted	-	-

ENTHALPY INITIAL CALIBRATION FOR 513150 METALS Wipe: EPA 6010B

Instrument:	MET12		
Calibration #:	794308796001	Date:	01-AUG-2024 10:36
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794308796002	L1	01-AUG-2024 10:39	S21190
L2	icp data	794308796003	L2	01-AUG-2024 10:42	S21189
L3	icp data	794308796004	L3	01-AUG-2024 10:45	S21188
L4	icp data	794308796005	L4	01-AUG-2024 10:49	S21187
L5	icp data	794308796006	L5	01-AUG-2024 10:52	S21186
L6	icp data	794308796007	L6	01-AUG-2024 10:55	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0003	1.05E-4		10290	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	12115	10446	10165	9946.6	9618.7	9450.5

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	17	0.0100	7	0.1000	7	1.0000	5	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513150 METALS Wipe
EPA 6010B

Inst:	MET12		
Calnum:	794308796001	Cal Date:	01-AUG-2024

- ICV 794308796010 (01-AUG-2024) stds: S21323

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.037	mg/L	4	10	

Instrument ID: MET12

Label:	ICALBLK	**Rack:Tube:**	S1:1	**Type:**	BLK
Date Time:	8/1/2024 10:36:37 AM	**%RSE:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**%RSE limit:**	-
Calibration Coefficient [1]:	-	**Calibration Coefficient [2]:**	-	**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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensi
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	21.88766036	-	-	2.18652931	9.99	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	21.52175506	19.9(
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	196.19185206	-	-	24.91353170	12.70	Y (371.029 nm)	Linear	-	Fitted	0.00000000	0.00000000	0.00000000	167.45076741	211.(
As 188.980	As	n	0.00000000	0.00000000	mg/L	2.23265246	-	-	2.22376315	99.60	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	3.82660436	-0.30
B 249.678	B	n	0.00000000	0.00000000	mg/L	51.19883896	-	-	1.20348653	2.35	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	50.05970910	52.4
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	52.80287720	-	-	16.49532368	31.24	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	60.74792668	63.8
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	15.63312754	-	-	6.35707092	40.66	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	8.51393926	17.6
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	737.40226135	-	-	11.27909523	1.53	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	744.34528375	724.3
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	19.65700875	-	-	6.97909489	35.50	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	11.73401027	24.8
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	61.62131931	-	-	4.68465421	7.60	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	58.31989554	66.9
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	-31.75264966	-	-	2.16868742	6.83	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-33.43434501	-32.5
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	970.19647120	-	-	25.46352706	2.62	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	940.86281601	986.(
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	3.29346530	-	-	6.63740880	> 100.00	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	8.15936137	5.98
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	-0.25802793	-	-	59.12846964	> 100.00	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	-60.70575524	2.47
Li 670.783	Li-R	n	Error	Error	mg/L	31993.79836077	-	-	98.74005174	N/A	Y-R (371.029 nm)	Linear	0.00000	FACT	Error	Error	Error	31893.15507221	3209
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	1.08448789	-	-	0.73847499	68.09	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	0.25860240	1.31
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	58.50433917	-	-	10.37203816	17.73	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	69.28798334	48.5
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	7.24930822	-	-	6.07886880	83.85	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	8.01477446	0.82
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	-3.00486859	-	-	7.77581044	> 100.00	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	-11.82276314	2.86
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	-1.99956646	-	-	2.48310000	> 100.00	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-0.58756838	-4.86
P 177.434	P	n	0.00000000	0.00000000	mg/L	1.64812355	-	-	0.32876914	19.95	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	2.01313474	1.55
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	2.44222609	-	-	12.51958495	> 100.00	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	2.11630135	-9.91
S 181.972	S	n	0.00000000	0.00000000	mg/L	146.85028257	-	-	1.17865546	0.80	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	148.20813572	146.(
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-18.90553718	-	-	2.73931931	14.49	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	-20.94970441	-19.9
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	20.64954204	-	-	5.13946642	24.89	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	19.20857170	16.3
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	22.60204309	-	-	1.10240618	4.88	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	23.85336177	21.7
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	13.49635529	-	-	3.52636320	26.13	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	12.81305104	17.3
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	38.25654629	-	-	2.36821559	6.19	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	38.90101261	35.6
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	62.04432094	-	-	15.49707890	24.98	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	46.39536010	77.3
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	1.00122862	-	-	1.34609403	> 100.00	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	2.26961389	-0.41
V 292.401	V	n	0.00000000	0.00000000	mg/L	-16.13179815	-	-	3.52141236	21.83	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-19.25995218	-16.8
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	13.38976015	-	-	5.31265411	39.68	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	17.52734011	7.398
Y 371.029	Y		1.00	1.00	Ratio	124915.95	0.00	0.00	1413.03	1.13	-	-	0.00000	Fitted	1.00	1.00	1.00	123385.10	1251
Y 371.029	Y-R		1.00	1.00	Ratio	21871.17	0.00	0.00	160.79	0.74	-	-	0.00000	Fitted	1.00	1.00	1.00	22054.23	2180

Instrument ID: MET12

Label:	ICAL,L1,S21190	Rack:Tube:	S1:2	Type:	STD
Date Time:	8/1/2024 10:39:44 AM	%RSE:		Weight:	-
Volume:	-	Dilution:	-	Correlation coefficient:	-
%RSE limit:	-	Calibration Coefficient [1]:	-	Calibration Coefficient [2]:	-
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	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n			mg/L	20.78370033	-	-	6.14350134	29.56	Y (371.029 nm)	Linear	Fitted				21.03420373	26.79811838
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	387.45078978	-	-	33.19612260	8.57	Y (371.029 nm)	Linear	Fitted	0.00666667	0.00666667	0.00666667	414.15568323	350.28408147
As 188.980	As	n	0.00333333	0.00333333	mg/L	21.61815778	-	-	5.44343882	25.18	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	21.61828539	27.06153279
B 249.678	B	n	0.00333333	0.00333333	mg/L	173.31654451	-	-	11.69805459	6.75	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	181.23978808	159.88068715
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	529.40050316	-	-	8.02358704	1.52	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	531.20153661	536.37051106
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1100.37080478	-	-	18.51393819	1.68	Y (371.029 nm)	Linear	Fitted	0.00100000	0.00100000	0.00100000	1121.72908171	1090.48785219
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	934.67730965	-	-	8.87343282	0.95	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	927.66257185	931.71684274
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	316.23073777	-	-	15.99279888	5.06	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	309.21758939	334.53195385
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	138.94067868	-	-	11.74891985	8.46	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	146.18135230	145.25596473
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	120.40095776	-	-	0.91028280	0.76	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	119.46153858	121.27899747
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	1094.93343893	-	-	11.50582692	1.05	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1082.02509164	1098.66456633
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	268.64546565	-	-	1.99557717	0.74	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00666667	0.00666667	0.00666667	269.87896879	266.34313383
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	-6.46408691	-	-	46.01551886	> 100.00	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	-56.36945896	34.28474917
Li 670.783	Li-R	n	Error	Error	mg/L	31998.28066195	-	-	83.63238144	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	31919.66148117	32086.1561203
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	8.07680062	-	-	4.76833892	59.04	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	11.48821626	2.62826785
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1222.42911310	-	-	8.85151080	0.72	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1215.22351755	1232.30955279
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	46.65083846	-	-	4.26554380	9.14	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	46.15635296	51.14207425
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	164.84344319	-	-	17.19026318	10.43	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	155.44168780	154.40462490
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	62.31383152	-	-	6.43756649	10.33	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	58.57774337	58.61649185
P 177.434	P	n			mg/L	2.52594018	-	-	0.81731244	32.36	Y (371.029 nm)	Linear	Fitted				3.46813767	2.00796354
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	40.38421574	-	-	2.28065472	5.65	Y (371.029 nm)	Linear	Off-Peak Right	0.00333333	0.00333333	0.00333333	42.08628721	41.27346748
S 181.972	S	n			mg/L	148.00072344	-	-	3.77783995	2.55	Y (371.029 nm)	Linear	Fitted				151.62161619	144.08340107
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	12.04379516	-	-	5.31689455	44.15	Y (371.029 nm)	Linear	Off-Peak Right	0.01000010	0.01000010	0.01000010	18.11196562	8.20202919
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	61.06931383	-	-	2.60874171	4.27	Y (371.029 nm)	Linear	Fitted	0.01000001	0.01000001	0.01000001	60.79549935	58.60827910
Si 251.611	Si	n			mg/L	30.54308642	-	-	4.37157140	14.31	Y (371.029 nm)	Linear	Fitted				35.54546928	27.45643720
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	55.09175039	-	-	5.14089197	9.33	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	50.29392212	60.51794105
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	2823.08943736	-	-	6.67035778	0.24	Y-R (371.029 nm)	Linear	Fitted	0.01666667	0.01666667	0.01666667	2815.74361511	2824.75664550
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	709.27334856	-	-	11.40973091	1.61	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	703.95576620	701.49305703
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	23.56942648	-	-	5.88621011	24.97	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	24.93827212	17.11940172
V 292.401	V	n	0.00166667	0.00166667	mg/L	24.87903124	-	-	7.26598062	29.21	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00166667	0.00166667	0.00166667	31.89646404	17.38770238
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	387.39495481	-	-	7.70529596	1.99	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	380.19843003	386.46231121
Y 371.029	Y		1.01	1.01	Ratio	126693.88	0.01	0.83	1053.01	0.83	-	-	Fitted	1.00	1.02	1.02	125522.85	126995.97
Y 371.029	Y-R		1.00	1.00	Ratio	21884.28	0.00	0.25	54.35	0.25	-	-	Fitted	1.00	1.00	1.00	21933.06	21825.69

Instrument ID: MET12

Label:	ICAL,L2,S21189	Rack:Tube:	S1:3	Type:	STD
Date Time:	8/1/2024 10:42:52 AM	%RSE:		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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentratio Replicate 2
Ag 328.068	Ag	n			mg/L	30.43162746	-	-	13.50173181	44.37	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	856.72929691	-	-	19.22863793	2.24	Y (371.029 nm)	Linear	1.00000	Fitted	196.191852059422	28688.8435270665	0.02000000	0.02000
As 188.980	As	n	0.01000000	0.01000000	mg/L	49.47915753	-	-	3.93285185	7.95	Y (371.029 nm)	Linear	1.00000	Fitted	2.23265246044063	5815.65217608588	0.01000000	0.01000
B 249.678	B	n	0.01000000	0.01000000	mg/L	394.76462414	-	-	14.40219362	3.65	Y (371.029 nm)	Linear	1.00000	Fitted	51.1988389641413	36635.3153278021	0.01000000	0.01000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	1360.71919955	-	-	21.34876770	1.57	Y (371.029 nm)	Linear	1.00000	Fitted	52.8028772031357	142979.302084779	0.01000000	0.01000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3308.39573984	-	-	22.87702546	0.69	Y (371.029 nm)	Linear	1.00000	Fitted	15.6331275444809	1084737.67723247	0.00300000	0.00300
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	1331.98637800	-	-	10.66696313	0.80	Y-R (371.029 nm)	Linear	1.00000	Fitted	737.40226135019	5918.2515082891	0.10000000	0.10000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	899.00537067	-	-	12.23665734	1.36	Y (371.029 nm)	Linear	1.00000	Fitted	19.6570087521151	177944.201822075	0.00500000	0.00500
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	277.08314689	-	-	3.70624570	1.34	Y (371.029 nm)	Linear	1.00000	Fitted	61.6213193084674	46391.6063436578	0.00500000	0.00500
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	419.14653583	-	-	11.66545287	2.78	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-31.7526496564022	45646.0867901067	0.01000000	0.01000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	1301.30814861	-	-	18.63649929	1.43	Y (371.029 nm)	Linear	1.00000	Fitted	970.196471197728	37421.0940614482	0.01000000	0.01000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	672.47093066	-	-	1.80561448	0.27	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	3.29346529723762	39802.8040325324	0.02000000	0.02000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	30.76975415	-	-	31.98476642	> 100.00	Y-R (371.029 nm)	Linear	-	Fitted	-	-	0.20000000	0.20000
Li 670.783	Li-R	n	Error	Error	mg/L	31878.32138466	-	-	57.61538766	N/A	Y-R (371.029 nm)	Linear	1.00000	FACT	31993.7983607701	1344.69048705697	Error	Error
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	36.36115168	-	-	7.10751176	19.55	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.08448788839305	209.769402847291	0.10000000	0.10000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	3555.74624558	-	-	12.62871553	0.36	Y (371.029 nm)	Linear	1.00000	Fitted	58.5043391675581	349177.467096078	0.01000000	0.01000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	130.80308560	-	-	3.30681548	2.53	Y (371.029 nm)	Linear	1.00000	Fitted	7.24930821840988	11820.4602541007	0.01000000	0.01000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	647.05577105	-	-	32.32519853	5.00	Y-R (371.029 nm)	Linear	1.00000	Fitted	-3.00486858610626	2517.72455081473	0.20000000	0.20000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	178.20950583	-	-	8.04084188	4.51	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-1.99956645768513	19294.0213237626	0.01000000	0.01000
P 177.434	P	n			mg/L	1.55581438	-	-	0.54727961	35.18	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	104.46392113	-	-	1.77751628	1.70	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	2.44222608959603	11382.5980335889	0.01000000	0.01000
S 181.972	S	n			mg/L	149.59877375	-	-	1.92969626	1.29	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	82.18551905	-	-	6.40296845	7.79	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-18.9055371774927	3094.9022848571	0.03000030	0.03000
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	117.68074766	-	-	4.47314581	3.80	Y (371.029 nm)	Linear	1.00000	Fitted	20.6495420363945	4041.97313780024	0.03000003	0.03000
Si 251.611	Si	n			mg/L	24.64314062	-	-	2.42602231	9.84	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	113.34098530	-	-	4.41461752	3.89	Y (371.029 nm)	Linear	1.00000	Fitted	13.4963552932887	12478.6197763609	0.01000000	0.01000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	8408.61925823	-	-	21.28851638	0.25	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.2565462942237	167089.970122134	0.05000000	0.05000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	1989.83672060	-	-	17.48778575	0.88	Y (371.029 nm)	Linear	1.00000	Fitted	62.0443209366053	194168.727704224	0.01000000	0.01000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	86.57294824	-	-	9.25858214	10.69	Y (371.029 nm)	Linear	1.00000	Fitted	1.00122862185822	2256.79721784897	0.03000030	0.03000
V 292.401	V	n	0.00500000	0.00500000	mg/L	109.66966763	-	-	11.21211328	10.22	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-16.1317981530322	24606.4927140393	0.00500000	0.00500
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	897.66866601	-	-	6.31125146	0.70	Y (371.029 nm)	Linear	1.00000	Fitted	13.3897601531394	37400.145464417	0.03000030	0.03000
Y 371.029	Y		1.01	1.01	Ratio	126587.01	0.01	0.76	958.37	0.76	-	-	-	Fitted	-	-	1.01	1.01
Y 371.029	Y-R		1.01	1.01	Ratio	22038.90	0.00	0.17	37.46	0.17	-	-	-	Fitted	-	-	1.01	1.01

Instrument ID: MET12

Label: ICAL,L3,S21188 | Rack:Tube: S1:4 | Type: STD

Date Time: 8/1/2024 10:45:59 AM | %RSE: | 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	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	28.55878552	-	-	8.19488627	28.69	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	6465.57005308	-	-	44.54126104	0.69	Y (371.029 nm)	Linear	0.99884	Fitted	187.75809264936	33322.9608022419	0.20000000	0.2000000
As 188.980	As	n	0.10000000	0.10000000	mg/L	442.28375063	-	-	14.60262853	3.30	Y (371.029 nm)	Linear	0.99622	Fitted	2.59003260915991	4744.80305402581	0.10000000	0.1000000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3353.43225079	-	-	20.23299905	0.60	Y (371.029 nm)	Linear	0.99969	Fitted	51.2445260831061	34679.1534827847	0.10000000	0.1000000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	12815.22373086	-	-	5.09699144	0.04	Y (371.029 nm)	Linear	0.99939	Fitted	84.0355375155116	130284.156088965	0.10000000	0.1000000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	34072.03871874	-	-	30.50818986	0.09	Y (371.029 nm)	Linear	0.99999	Fitted	14.8066447136185	1096079.143706	0.03000000	0.0300000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	6758.39040112	-	-	14.87979216	0.22	Y-R (371.029 nm)	Linear	1.00000	Fitted	736.874970666134	5948.75602252792	1.00000000	1.0000000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	8973.16841853	-	-	8.49091478	0.09	Y (371.029 nm)	Linear	0.99999	Fitted	20.0388185199922	175910.685146047	0.05000000	0.0500000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	2376.63793869	-	-	10.64226433	0.45	Y (371.029 nm)	Linear	0.99959	Fitted	62.1601061406197	43018.3314790062	0.05000000	0.0500000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	4549.94923665	-	-	14.16655157	0.31	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-31.4304170789948	45523.8699584864	0.10000000	0.1000000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	4563.52409316	-	-	7.33805399	0.16	Y (371.029 nm)	Linear	0.99881	Fitted	983.721581849784	32120.9016107108	0.10000000	0.1000000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	6750.93950148	-	-	7.53780018	0.11	Y (371.029 nm)	Linear	0.99747	Off-Peak Left+Right	55.2125632303837	30958.9733785305	0.20000000	0.2000000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	731.42469279	-	-	31.11353230	4.25	Y-R (371.029 nm)	Linear	0.88249	Fitted	-10.4487305965674	198.637602526977	2.00000000	2.0000000
Li 670.783	Li-R	n	Error	Error	mg/L	35036.87338604	-	-	184.13593629	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	402.87137005	-	-	4.16059499	1.03	Y-R (371.029 nm)	Linear	0.98948	Fitted	1.023879032961	325.300968682291	1.00000000	1.0000000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	35048.79811927	-	-	68.12800688	0.19	Y (371.029 nm)	Linear	1.00000	Fitted	57.595943916926	349747.696084593	0.10000000	0.1000000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	1262.04777924	-	-	4.59460956	0.36	Y (371.029 nm)	Linear	0.99987	Fitted	6.02346932421574	12459.8241148312	0.10000000	0.1000000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	8375.60434276	-	-	14.36324812	0.17	Y-R (371.029 nm)	Linear	0.99663	Fitted	-7.49452939302162	3078.77700042277	2.00000000	2.0000000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	1880.11546562	-	-	9.48422213	0.50	Y (371.029 nm)	Linear	0.99965	Off-Peak Left+Right	-1.65997002933469	18164.999922282	0.10000000	0.1000000
P 177.434	P	n			mg/L	1.24324391	-	-	0.31834342	25.61	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	1016.53576916	-	-	12.52440568	1.23	Y (371.029 nm)	Linear	0.99906	Off-Peak Right	7.90866383667088	9661.03534928153	0.10000000	0.1000000
S 181.972	S	n			mg/L	164.12099483	-	-	2.01520482	1.23	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	995.55988707	-	-	1.38987959	0.14	Y (371.029 nm)	Linear	0.99955	Off-Peak Right	-19.2856703269387	3347.72469617851	0.30000300	0.3000030
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	992.75617507	-	-	9.74164389	0.98	Y (371.029 nm)	Linear	0.99558	Fitted	27.4971794667037	3092.56874439133	0.30000030	0.3000003
Si 251.611	Si	n			mg/L	32.37112562	-	-	3.91542694	12.10	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	969.37808650	-	-	3.81711083	0.39	Y (371.029 nm)	Linear	0.99557	Fitted	15.5163206699176	9940.75371856993	0.10000000	0.1000000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	83225.70823908	-	-	477.31842530	0.57	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.0534284208549	167247.183382068	0.50000000	0.5000000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	19507.63140260	-	-	13.33409280	0.07	Y (371.029 nm)	Linear	1.00000	Fitted	64.7816890130925	192679.793410139	0.10000000	0.1000000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	1047.20518235	-	-	77.05957865	7.36	Y (371.029 nm)	Linear	0.99710	Fitted	0.841273259040331	2731.57467207891	0.30000300	0.3000030
V 292.401	V	n	0.05000000	0.05000000	mg/L	1303.81419357	-	-	2.97179800	0.23	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-16.237373956786	25074.3782711344	0.05000000	0.0500000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	8948.25729456	-	-	29.29714895	0.33	Y (371.029 nm)	Linear	0.99486	Fitted	32.9217355774053	29284.0173388949	0.30000300	0.3000030
Y 371.029	Y		1.01	1.01	Ratio	126466.53	0.01	0.84	1061.69	0.84	-	-	-	Fitted	-	-	1.00	1.01
Y 371.029	Y-R		1.00	1.00	Ratio	21923.20	0.00	0.45	98.37	0.45	-	-	-	Fitted	-	-	1.01	1.00

Instrument ID: MET12

Label:	ICAL,L4,S21187	**Rack:Tube:**	S1:5	**Type:**	STD
Date Time:	8/1/2024 10:49:06 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]	Con Rep
Ag 328.068	Ag	n			mg/L	13.59306147	-	-	1.71185686	12.59		Y (371.029 nm)	Linear	-	Fitted	-	-	
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	67015.61790759	-	-	29.86590619	0.04	15.32823534	Y (371.029 nm)	Linear	0.99997	Fitted	209.907717038085	31323.5249736246	2.0
As 188.980	As	n	1.00000000	1.00000000	mg/L	4411.99365667	-	-	15.66536243	0.36	24.29979360	Y (371.029 nm)	Linear	0.99995	Fitted	3.34625426114001	4423.93663182449	1.0
B 249.678	B	n	1.00000000	1.00000000	mg/L	33732.01541801	-	-	80.47257270	0.24	11.32426552	Y (371.029 nm)	Linear	0.99999	Fitted	51.3992111252317	33057.2716277803	1.0
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	126022.15265142	-	-	293.08335387	0.23	2.62187077	Y (371.029 nm)	Linear	0.99999	Fitted	94.4215025607373	127209.164754361	1.0
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	346213.89398507	-	-	3124.09282478	0.90	4.51323971	Y (371.029 nm)	Linear	1.00000	Fitted	4.23437246776075	1134880.92173814	0.3
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	61097.97545488	-	-	138.64263310	0.23	0.68417614	Y-R (371.029 nm)	Linear	1.00000	Fitted	733.65668587525	6023.96320011599	10.
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	88670.58229251	-	-	340.97869775	0.38	1.51677314	Y (371.029 nm)	Linear	1.00000	Fitted	16.181909404786	179127.672176486	0.5
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	23673.13178121	-	-	39.95066978	0.17	12.21919785	Y (371.029 nm)	Linear	0.99998	Fitted	52.5401581225927	46366.7208759129	0.5
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	45752.82423253	-	-	44.23715786	0.10	1.46149289	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-32.2409945133888	45807.9108119747	1.0
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	37589.84980609	-	-	97.35136235	0.26	9.79714229	Y (371.029 nm)	Linear	0.99996	Fitted	966.832791049093	35964.1259189551	1.0
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	65931.48210728	-	-	115.71376463	0.18	11.05382113	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	21.2434766705064	33535.4021811179	2.0
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	8946.68278932	-	-	16.43960728	0.18	17.13291869	Y-R (371.029 nm)	Linear	0.99867	Fitted	-33.7827552940245	382.05672752643	20.
Li 670.783	Li-R	n	Error	Error	mg/L	63634.91023961	-	-	282.00981815	N/A	157.62504951	Y-R (371.029 nm)	Linear	0.99267	FACT	31739.0366156126	31439.3543267772	Err
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	4074.41064449	-	-	15.90123662	0.39	47.81205274	Y-R (371.029 nm)	Linear	0.99989	Fitted	0.89492280016869	401.657894219696	10.
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	343467.97328634	-	-	473.23819218	0.14	0.08273748	Y (371.029 nm)	Linear	1.00000	Fitted	57.0832528009189	349891.040852419	1.0
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	12927.15663263	-	-	20.22874238	0.16	1.45677917	Y (371.029 nm)	Linear	1.00000	Fitted	5.36927742296638	12566.1120190585	1.0
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	84945.32114063	-	-	177.55084800	0.21	36.55120812	Y-R (371.029 nm)	Linear	0.99980	Fitted	-28.6574436974811	4199.50399390447	20.
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	18710.02703069	-	-	33.17099674	0.18	5.10125710	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-2.36784655843127	18815.7079265434	1.0
P 177.434	P	n			mg/L	1.47727898	-	-	1.33432859	90.32		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	9946.58770019	-	-	24.34808704	0.24	5.81442751	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	4.88795178303914	10076.5827937786	1.0
S 181.972	S	n			mg/L	172.44123699	-	-	2.25058831	1.31		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	10140.82287740	-	-	27.38881054	0.27	6.84808709	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-19.4741052945219	3383.39768023887	3.0
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	9905.44014007	-	-	19.49665378	0.20	10.41904362	Y (371.029 nm)	Linear	0.99997	Fitted	25.9319680372082	3219.64766935785	3.0
Si 251.611	Si	n			mg/L	89.03906445	-	-	3.07975638	3.46		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	9473.37223626	-	-	13.25811672	0.14	19.99401587	Y (371.029 nm)	Linear	0.99996	Fitted	17.0009395024752	9525.74562587664	1.0
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	843197.09983067	-	-	7954.16416820	0.94	0.49670295	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.2394843170507	167165.721395936	5.0
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	195828.94474281	-	-	989.94125900	0.51	0.81180114	Y (371.029 nm)	Linear	1.00000	Fitted	58.0338356768189	194489.701761654	1.0
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	11791.37199270	-	-	380.30885799	3.23	29.85759191	Y (371.029 nm)	Linear	0.99987	Fitted	0.42710067177451	3143.17032309429	3.0
V 292.401	V	n	0.50000000	0.50000000	mg/L	13569.95000782	-	-	2.07534877	0.02	6.20452348	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-17.0763147686907	26416.828972984	0.5
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	88845.55834661	-	-	265.75703635	0.30	21.07531715	Y (371.029 nm)	Linear	0.99996	Fitted	28.4406846626146	29680.0970730365	3.0
Y 371.029	Y		1.00	1.00	Ratio	124687.79	0.01	0.82	1021.70	0.82		-	-	-	Fitted	-	-	0.9
Y 371.029	Y-R		0.99	0.99	Ratio	21731.92	0.00	0.48	105.39	0.48		-	-	-	Fitted	-	-	1.0

Instrument ID: MET12

Label: ICAL,L5,S21186 | Rack:Tube: S1:6 | Type: STD
Date Time: 8/1/2024 10:52:14 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	61.88116728	-	-	32.66774704	52.79		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	357827.78252638	-	-	681.81683405	0.19	6.32621189	Y (371.029 nm)	Linear	0.99998	Fitted	154.026529198549	33422.8374961373
As 188.980	As	n	5.00000000	5.00000000	mg/L	22164.99299290	-	-	59.82901119	0.27	17.22477715	Y (371.029 nm)	Linear	1.00000	Fitted	3.4048172690181	4408.7711799843
B 249.678	B	n	5.00000000	5.00000000	mg/L	169946.10982226	-	-	990.77546270	0.58	6.72443053	Y (371.029 nm)	Linear	1.00000	Fitted	51.176763231213	33594.3725609364
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	616861.91046555	-	-	673.25743619	0.11	1.22337261	Y (371.029 nm)	Linear	1.00000	Fitted	100.780464220174	127108.554110028
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	1722173.63985380	-	-	2011.67155016	0.12	3.40469653	Y (371.029 nm)	Linear	1.00000	Fitted	4.00434435819193	1135067.62463291
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	298738.62554036	-	-	214.50587641	0.07	0.59564075	Y-R (371.029 nm)	Linear	1.00000	Fitted	732.470418106799	6031.33387298177
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	428257.12406100	-	-	2116.46553360	0.49	1.32119115	Y (371.029 nm)	Linear	1.00000	Fitted	18.4978242743255	178975.810511203
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	115392.11762043	-	-	395.01420204	0.34	11.34506893	Y (371.029 nm)	Linear	1.00000	Fitted	47.9775755736326	47153.937771985
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	225793.25826699	-	-	140.83072360	0.06	1.01300980	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-32.1746713361059	45787.01810301
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	193859.36996882	-	-	889.76212271	0.46	18.39025561	Y (371.029 nm)	Linear	1.00000	Fitted	942.213970999036	36372.8024220228
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	323005.11603893	-	-	757.51199196	0.23	7.24799195	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	24.6935083600416	33348.0413494948
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	47230.54182934	-	-	118.33271678	0.25	124.03419263	Y-R (371.029 nm)	Linear	0.99987	Fitted	-88.4304828128807	451.644116149778
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	160957.93997226	-	-	288.55094230	0.18	111.90996284	Y-R (371.029 nm)	Linear	0.99993	FACT	31734.1876437598	31891.4606476144
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	20004.00989718	-	-	16.74172357	0.08	33.68319206	Y-R (371.029 nm)	Linear	1.00000	Fitted	0.752864901568014	406.654770313375
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	1658862.90875645	-	-	5493.08167737	0.33	1.11918578	Y (371.029 nm)	Linear	1.00000	Fitted	75.5862013075316	345646.119432285
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	64233.53098959	-	-	424.16978089	0.66	10.71601895	Y (371.029 nm)	Linear	1.00000	Fitted	-2.58055658285639	12885.5277027533
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	424365.89991219	-	-	47.44675054	0.01	24.17560496	Y-R (371.029 nm)	Linear	1.00000	Fitted	-36.6679230770974	4221.61030652617
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	90451.74023863	-	-	326.47814760	0.36	3.36972119	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-1.82493146707162	18722.620194868
P 177.434	P	n			mg/L	-1.88465700	-	-	0.09901364	5.25		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	48093.41613844	-	-	124.77730326	0.26	2.96636634	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	5.99150563845147	9945.28147027253
S 181.972	S	n			mg/L	210.11786159	-	-	3.59116552	1.71		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	50329.03240982	-	-	105.62907052	0.21	4.15056978	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-19.8259962715795	3385.04303006182
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	47785.96801503	-	-	104.16369804	0.22	9.34742663	Y (371.029 nm)	Linear	1.00000	Fitted	24.2294518390416	3291.13096697904
Si 251.611	Si	n			mg/L	362.46169698	-	-	20.81815639	5.74		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	46024.88303887	-	-	79.15415339	0.17	10.35138230	Y (371.029 nm)	Linear	1.00000	Fitted	18.9456325204786	9459.87318152288
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	4122584.89818726	-	-	13201.20288649	0.32	0.70331251	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.1250400391121	167213.643103613
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	974126.75433837	-	-	6200.44068807	0.64	0.76141186	Y (371.029 nm)	Linear	1.00000	Fitted	57.1229982950772	194522.188219416
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	59450.29455039	-	-	415.19158339	0.70	30.00586452	Y (371.029 nm)	Linear	0.99995	Fitted	-0.197590033091892	3687.6578036304
V 292.401	V	n	2.50000000	2.50000000	mg/L	67919.13452088	-	-	23.52164034	0.03	25.86103984	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-36.6868742475162	27211.3324870402
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	418851.21612326	-	-	1925.10672404	0.46	14.86423850	Y (371.029 nm)	Linear	1.00000	Fitted	29.0748844487105	29639.7545363517
Y 371.029	Y		0.97	0.97	Ratio	121463.20	0.01	1.30	1583.93	1.30		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	21399.66	0.00	0.22	48.09	0.22		-	-	-	Fitted	-	-

Instrument ID: MET12

Label: ICAL,L6,S21166 | Rack:Tube: S1:7 | Type: STD
Date Time: 8/1/2024 10:55:21 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	86.86439370	-	-	19.33652574	22.26		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	740854.86212152	-	-	1642.99880023	0.22	14.37290572	Y (371.029 nm)	Linear	0.99991	Fitted	116.810561383625	33548.7843996662
As 188.980	As	n	10.00000000	10.00000000	mg/L	44091.47620474	-	-	83.19709619	0.19	14.68103028	Y (371.029 nm)	Linear	1.00000	Fitted	3.18803137409125	4423.70033131807
B 249.678	B	n	10.00000000	10.00000000	mg/L	346734.53445558	-	-	591.47405245	0.17	5.44524984	Y (371.029 nm)	Linear	1.00000	Fitted	51.1471975627049	33642.2511927187
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	1219036.10822491	-	-	3938.63022353	0.32	9.04442609	Y (371.029 nm)	Linear	0.99999	Fitted	170.128137326486	126045.104610575
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	3385036.36356202	-	-	3636.49146988	0.11	2.76763553	Y (371.029 nm)	Linear	1.00000	Fitted	-2.35989030371525	1139909.44459232
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	589297.06598869	-	-	2349.60996110	0.40	2.58209294	Y-R (371.029 nm)	Linear	1.00000	Fitted	743.669091359487	5969.72818463439
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	821839.12706353	-	-	2344.10483161	0.29	2.96234790	Y (371.029 nm)	Linear	0.99998	Fitted	25.0473969034547	178570.814308693
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	227981.11552261	-	-	241.41803997	0.11	8.51969131	Y (371.029 nm)	Linear	0.99999	Fitted	49.490512508492	46961.5480117762
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	447638.14924027	-	-	647.96849136	0.14	0.95562773	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-30.6701267616932	45355.5190345037
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	393952.79967613	-	-	2305.22309114	0.59	25.63870400	Y (371.029 nm)	Linear	0.99995	Fitted	918.70185678285	36735.9824486016
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	631325.89252883	-	-	214.55793026	0.03	5.64721581	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	27.8827564589292	33180.4833352258
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	96238.70924747	-	-	134.49715566	0.14	347.17201652	Y-R (371.029 nm)	Linear	0.99995	Fitted	-215.928297801836	463.48233876046
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	327245.65244114	-	-	846.77307158	0.26	20.07220767	Y-R (371.029 nm)	Linear	1.00000	FACT	-25.2386920890549	32251.2764934559
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	40201.61093653	-	-	119.62185837	0.30	28.17873529	Y-R (371.029 nm)	Linear	0.99999	Fitted	1.04705821678511	400.375214760101
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3258965.75129743	-	-	602.59122250	0.02	2.36766427	Y (371.029 nm)	Linear	0.99998	Fitted	82.4581346760604	344135.814074414
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	129094.12441431	-	-	58.68388049	0.05	8.66904101	Y (371.029 nm)	Linear	1.00000	Fitted	-2.51404786858336	12883.6116425229
Na 589.592	Na-R	n			mg/L	846568.84568493	-	-	1529.39360518	0.18	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	177844.63489833	-	-	236.39918005	0.13	2.96443223	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-0.670388744447962	18602.534953277
P 177.434	P	n			mg/L	-1.34527510	-	-	0.44090187	32.77		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	94505.18601255	-	-	289.23808021	0.31	2.32892403	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	7.74570927625746	9786.68187918784
S 181.972	S	n			mg/L	258.76624527	-	-	3.16514745	1.22		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	100503.25585747	-	-	297.88877531	0.30	8.39925124	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-16.8240949055109	3371.58847735925
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	94519.39458170	-	-	270.88206030	0.29	5.27493567	Y (371.029 nm)	Linear	0.99998	Fitted	26.7197961433399	3241.42923964179
Si 251.611	Si	n			mg/L	676.31565468	-	-	33.17679135	4.91		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	90528.88231290	-	-	58.17656256	0.06	3.05055082	Y (371.029 nm)	Linear	0.99998	Fitted	24.2121683696282	9353.24196110004
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	8167981.14716391	-	-	15355.71061470	0.19	0.95926260	Y-R (371.029 nm)	Linear	0.99999	Fitted	39.3936488832898	166684.544691115
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	1944589.00438285	-	-	18300.01620924	0.94	0.63104748	Y (371.029 nm)	Linear	1.00000	Fitted	56.9823340513103	194526.940538462
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	117065.50769606	-	-	321.16505667	0.27	27.99494215	Y (371.029 nm)	Linear	1.00000	Fitted	-0.503942613357509	3945.57744896222
V 292.401	V	n	5.00000000	5.00000000	mg/L	136403.32948552	-	-	56.86703986	0.04	18.41020370	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-34.6314810062959	27202.896864275
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	800011.58003319	-	-	1541.69518789	0.19	12.14689639	Y (371.029 nm)	Linear	0.99993	Fitted	34.9084504846522	29286.6778315278
Y 371.029	Y		0.97	0.97	Ratio	120613.95	0.01	0.63	763.45	0.63		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21134.60	0.01	0.68	143.41	0.68		-	-	-	Fitted	-	-

Instrument ID: MET12

Label: ICAL,L7,S20782 | Rack:Tube: S1:8 | Type: STD
Date Time: 8/1/2024 10:58:28 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]	Conc Repli
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	79832.61394075	-	-	317.39118508	0.40		Y (371.029 nm)	Linear	-	Fitted	-	-	2.0(
Al 396.152	Al	n			mg/L	270.59673451	-	-	44.21506694	16.34	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403	
As 188.980	As	n			mg/L	14.17922972	-	-	4.72164821	33.30	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538	
B 249.678	B	n			mg/L	246.01425126	-	-	19.41461783	7.89	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462	
Ba 230.424	Ba	n			mg/L	191.59015345	-	-	13.65461163	7.13	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847	
Be 313.107	Be	n			mg/L	255.12605499	-	-	7.01654307	2.75	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673	
Ca 317.933	Ca-R	n			mg/L	808.57902336	-	-	5.99756597	0.74	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838	
Cd 214.439	Cd	n			mg/L	90.29805780	-	-	4.53102786	5.02	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064	
Co 230.786	Co	n			mg/L	64.35089371	-	-	9.79149400	15.22	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121	
Cr 267.716	Cr	n			mg/L	11.00368591	-	-	14.53931394	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313	
Cu 324.754	Cu	n			mg/L	1011.26051955	-	-	8.44754356	0.84	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791	
Fe 259.940	Fe	n			mg/L	175.41082324	-	-	30.44125478	17.35	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323	
K 766.491	K-R	n			mg/L	36.02992015	-	-	53.08637728	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579	
Li 670.783	Li-R	n			mg/L	-89.67358595	-	-	37.62041513	41.95	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486	
Mg 279.800	Mg-R	n			mg/L	3.47202267	-	-	2.56348584	73.83	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671	
Mn 257.610	Mn	n			mg/L	389.48810443	-	-	4.24504000	1.09	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535	
Mo 204.598	Mo	n			mg/L	90.08198848	-	-	35.36065332	39.25	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999	
Na 589.592	Na-R	n			mg/L	19.07333582	-	-	13.62999501	71.46	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309	
Ni 231.604	Ni	n			mg/L	17.31558857	-	-	5.99572874	34.63	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395	
P 177.434	P	n			mg/L	1.95603886	-	-	0.63738646	32.59		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n			mg/L	19.57341011	-	-	10.09258001	51.56	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715	
S 181.972	S	n			mg/L	154.34134763	-	-	0.59261223	0.38		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n			mg/L	9.69270615	-	-	5.58318658	57.60	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838	
Se 196.026	Se	n			mg/L	45.63622294	-	-	2.39297908	5.24	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721	
Si 251.611	Si	n			mg/L	27.87516890	-	-	1.51085957	5.42		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n			mg/L	45.81738493	-	-	3.98673116	8.70	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723	
Sr 421.552	Sr-R	n			mg/L	656.16253581	-	-	15.34913882	2.34	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886	
Ti 334.941	Ti	n			mg/L	929.45697463	-	-	309.02508806	33.25	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306	
Tl 190.794	Tl	n			mg/L	39.14100827	-	-	4.06612797	10.39	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166	
V 292.401	V	n			mg/L	-9.64231623	-	-	9.50429703	98.57	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565	
Zn 206.200	Zn	n			mg/L	105.98471685	-	-	5.07827616	4.79	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134	
Y 371.029	Y		1.02	1.02	Ratio	126893.75	0.01	0.56	715.84	0.56		-	-	-	Fitted	-	-	1.0
Y 371.029	Y-R		1.00	1.00	Ratio	21951.27	0.01	0.53	115.97	0.53		-	-	-	Fitted	-	-	1.0

Instrument ID: MET12

Label:	ICAL,L8,S21161	Rack:Tube:	S1:9	Type:	STD
Date Time:	8/1/2024 11:01:35 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]	C R
Ag 328.068	Ag	n			mg/L	31.30545336	-	-	5.53434956	17.68		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926	
Al 396.152	Al	n			mg/L	242.41843484	-	-	25.80273803	10.64	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403	
As 188.980	As	n			mg/L	7.02937681	-	-	6.63506931	94.39	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538	
B 249.678	B	n			mg/L	206.07120930	-	-	2.91892593	1.42	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462	
Ba 230.424	Ba	n			mg/L	69.21705096	-	-	12.17084754	17.58	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847	
Be 313.107	Be	n			mg/L	19.04960084	-	-	6.13772953	32.22	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673	
Ca 317.933	Ca-R	n			mg/L	743.87909732	-	-	3.47039343	0.47	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838	
Cd 214.439	Cd	n			mg/L	29.55613957	-	-	9.67734058	32.74	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064	
Co 230.786	Co	n			mg/L	47.31521914	-	-	5.90720002	12.48	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121	
Cr 267.716	Cr	n			mg/L	-13.35480376	-	-	0.64455661	4.83	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313	
Cu 324.754	Cu	n			mg/L	960.44707517	-	-	12.10545985	1.26	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791	
Fe 259.940	Fe	n			mg/L	65.46819700	-	-	11.84576346	18.09	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323	
K 766.491	K-R	n			mg/L	-10.79834005	-	-	42.40883938	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579	
Li 670.783	Li-R	n			mg/L	-60.04365643	-	-	28.99903490	48.30	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486	
Mg 279.800	Mg-R	n			mg/L	1.90440730	-	-	3.23998531	> 100.00	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671	
Mn 257.610	Mn	n			mg/L	81.15156235	-	-	12.37711931	15.25	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535	
Mo 204.598	Mo	n			mg/L	20.05764874	-	-	9.62974674	48.01	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999	
Na 589.592	Na-R	n			mg/L	9.48423843	-	-	11.68674451	> 100.00	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309	
Ni 231.604	Ni	n			mg/L	-0.29820484	-	-	2.87414255	> 100.00	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395	
P 177.434	P	n	10.00000000	10.00000000	mg/L	835.21965837	-	-	6.44380548	0.77		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Pb 220.353	Pb	n			mg/L	10.83908765	-	-	11.09727252	> 100.00	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715	
S 181.972	S	n	10.00000000	10.00000000	mg/L	11163.83061547	-	-	64.08631870	0.57		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sb 206.834	Sb	n			mg/L	-12.08537113	-	-	4.61656523	38.20	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838	
Se 196.026	Se	n			mg/L	22.99538720	-	-	1.53626869	6.68	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	32792.44233535	-	-	197.77459351	0.60		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sn 189.925	Sn	n			mg/L	32.38719231	-	-	1.16913891	3.61	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723	
Sr 421.552	Sr-R	n			mg/L	36.20249528	-	-	2.31321274	6.39	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886	
Ti 334.941	Ti	n			mg/L	793.82541642	-	-	241.83777035	30.46	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306	
Tl 190.794	Tl	n			mg/L	4.17647501	-	-	0.90258517	21.61	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166	
V 292.401	V	n			mg/L	-19.99506933	-	-	4.71020231	23.56	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565	
Zn 206.200	Zn	n			mg/L	19.88879371	-	-	7.53580831	37.89	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134	
Y 371.029	Y		1.03	1.03	Ratio	128701.24	0.01	0.72	924.34	0.72		-	-	-	Fitted	-	-	1
Y 371.029	Y-R		1.01	1.01	Ratio	22171.93	0.01	0.63	140.47	0.63		-	-	-	Fitted	-	-	1

Instrument ID: MET12

Label:	ICV,S21323	Rack:Tube:	S1:12	Type:	QC
Date Time:	8/1/2024 11:04:42 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	0.48739902	0.48739902	mg/L	19474.41156720	0.00064286	0.13189665	25.65368161	0.13		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.08613361	1.08613361	mg/L	36888.11803001	0.00120840	0.11125718	40.69356221	0.11	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.04007968	1.04007968	mg/L	4595.55231978	0.00394441	0.37924148	17.41555546	0.38	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.03650912	1.03650912	mg/L	35544.76440941	0.00252023	0.24314577	86.29346735	0.24	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.00183580	1.00183580	mg/L	126326.86506832	0.00221367	0.22096143	278.72554547	0.22	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.02813133	1.02813133	mg/L	1168262.94539472	0.00205232	0.19961676	2332.04496349	0.20	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	52.57087948	52.57087948	mg/L	314451.94908180	0.06020012	0.11451230	359.23598309	0.11	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.01453630	1.01453630	mg/L	179106.49083485	0.00418751	0.41275098	739.00875203	0.41	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.04139821	1.04139821	mg/L	48003.77361478	0.00396526	0.38076302	182.55686366	0.38	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.00221331	1.00221331	mg/L	45359.75649104	0.00118478	0.11821604	53.65531217	0.12	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.04045809	1.04045809	mg/L	39378.31176386	0.00009138	0.00878232	3.37785913	0.01	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.06837973	1.06837973	mg/L	34017.83653865	0.00029363	0.02748343	9.32088105	0.03	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	61.16924465	61.16924465	mg/L	28747.38020896	0.14331477	0.23429220	68.23295908	0.24	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.02571850	1.02571850	mg/L	33147.90584901	0.00112866	0.11003567	36.50937863	0.11	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	52.95374604	52.95374604	mg/L	21208.72211578	0.09783276	0.18475135	39.18090966	0.18	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.06485785	1.06485785	mg/L	347726.56630260	0.00023103	0.02169621	75.40284773	0.02	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.01462019	1.01462019	mg/L	13093.04134335	0.00134086	0.13215383	17.30710974	0.13	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	30.53207273	30.53207273	mg/L	129527.77427378	0.03370037	0.11037694	143.02357416	0.11	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.02306424	1.02306424	mg/L	18544.02040100	0.00167805	0.16402186	30.40277418	0.16	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.41424434	5.41424434	mg/L	453.07606828	0.01871839	0.34572481	1.56031135	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.03661470	1.03661470	mg/L	10058.79766380	0.00274499	0.26480292	26.61909318	0.26	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.49064809	5.49064809	mg/L	6200.23786403	0.02682758	0.48860505	29.55589626	0.48		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.02598673	1.02598673	mg/L	3439.02562648	0.00406118	0.39583157	13.67616667	0.40	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.04633877	1.04633877	mg/L	3399.32063242	0.00382924	0.36596607	12.33642278	0.36	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.60268103	5.60268103	mg/L	18381.85329496	0.06086907	1.08642760	199.46697991	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.14236632	5.14236632	mg/L	46955.47669617	0.02208066	0.42938708	201.46250164	0.43	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.07391104	1.07391104	mg/L	177681.24483277	0.00024548	0.02285860	40.58841755	0.02	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.04281497	1.04281497	mg/L	202910.29753805	0.00253488	0.24308064	493.10130807	0.24	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.04594897	1.04594897	mg/L	4087.04784466	0.01356650	1.29705171	53.01983740	1.30	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.03739845	1.03739845	mg/L	28200.47269522	0.00109933	0.10596979	29.92133656	0.11	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.07975638	1.07975638	mg/L	30097.03869350	0.00096968	0.08980557	26.97041991	0.09	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.98	0.98	Ratio	122765.33	0.01	0.78	952.48	0.78		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	21341.79	0.00	0.11	22.43	0.11		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796011	File:	icp data	Time:	01-AUG-2024 11:07
Cal:	794308796001	Caldate:	01-AUG-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	124916	126638	1.38
Yttrium	R	21871	21939	0.31

Instrument ID: MET12

Label:	ICB	Rack:Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 11:07:49 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	n	0.00033958	0.00033958	mg/L	35.43796776	0.00025905	76.28535392	10.33747923	29.17		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00345193	0.00345193	mg/L	191.73892238	0.00029569	8.56581917	9.95737281	5.19	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00148845	0.00148845	mg/L	9.91285207	0.00028514	19.15682228	1.25896004	12.70	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00177369	0.00177369	mg/L	111.49196200	0.00066416	37.44495708	22.74102865	20.40	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00073398	-0.00073398	mg/L	86.49863414	0.00004186	5.70381586	5.27124712	6.09	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00006685	0.00006685	mg/L	78.41309743	0.00000629	9.40401049	7.14363227	9.11	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.00405015	0.00405015	mg/L	768.31044729	0.00130498	32.22049307	7.78728405	1.01	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	nu	-0.00013842	-0.00013842	mg/L	34.68172921	0.00006940	50.14016710	12.24825236	35.32	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	nu	-0.00016685	-0.00016685	mg/L	49.35130822	0.00020747	124.34287923	9.55173489	19.35	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00030553	0.00030553	mg/L	-16.58810156	0.00011745	38.44167022	5.31895783	32.06	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00175428	0.00175428	mg/L	968.48423985	0.00017163	9.78364797	6.34463563	0.66	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	nu	-0.00088239	-0.00088239	mg/L	27.33147594	0.00017098	19.37638999	5.42744935	19.86	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.71922755	0.71922755	mg/L	-22.84633368	0.04294289	5.97069556	20.44534751	89.49	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	0.00042104	0.00042104	mg/L	-30.36942874	0.00063365	150.49737840	20.49713340	67.49	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	nu	0.00060604	0.00060604	mg/L	1.27866324	0.01250888	2064.02084611	5.00966500	> 100.00	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	nu	-0.00019843	-0.00019843	mg/L	98.98637045	0.00003765	18.97140205	12.28645912	12.41	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00197675	0.00197675	mg/L	22.14321045	0.00097694	49.42129878	12.60978814	56.95	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01078260	0.01078260	mg/L	0.00457181	0.00263331	24.42185745	11.17571255	> 100.00	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	-0.00015207	-0.00015207	mg/L	1.51226912	0.00042494	279.44222056	7.69910332	> 100.00	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	n	0.00796332	0.00796332	mg/L	2.31188991	0.00790675	99.28950994	0.65908376	28.51		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	nu	-0.00029203	-0.00029203	mg/L	5.95479957	0.00056628	193.91304914	5.49139346	92.22	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01076512	0.01076512	mg/L	158.70908347	0.00135415	12.57906375	1.49186560	0.94		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	n	0.00287343	0.00287343	mg/L	-6.23564352	0.00047587	16.56114804	1.60251824	25.70	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00215450	-0.00215450	mg/L	20.88981820	0.00100065	46.44468220	3.22373116	15.43	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	nu	0.00018858	0.00018858	mg/L	23.22033851	0.00080796	428.44818307	2.64767504	11.40		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	nu	-0.00055617	-0.00055617	mg/L	31.37779616	0.00027672	49.75510610	2.52479682	8.05	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00010398	0.00010398	mg/L	59.77500469	0.00005730	55.10523716	9.47382156	15.85	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00091677	0.00091677	mg/L	235.33611437	0.00027713	30.22845386	53.90832662	22.91	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00132678	0.00132678	mg/L	4.72880437	0.00157212	118.49123591	6.14407457	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00121091	0.00121091	mg/L	-5.57802387	0.00038730	31.98410217	10.54146299	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	nu	-0.00141699	-0.00141699	mg/L	20.00250845	0.00006149	4.33977708	1.71037922	8.55	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.01	1.01	Ratio	126637.83	0.01	0.54	680.33	0.54		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21938.71	0.00	0.17	36.97	0.17		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796013	File:	icp data	Time:	01-AUG-2024 11:14
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009203]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.2	mg/L	104	
Aluminum as Al2O3	A	755.8	784.5	mg/L	104	
Iron	A	160.0	148.6	mg/L	93	
Iron as Fe2O3	A	228.8	212.5	mg/L	93	
Calcium	R	400.0	401.0	mg/L	100	
Calcium as CaCO3	R	998.9	1001	mg/L	100	
Magnesium	R	400.0	420.0	mg/L	105	
Magnesium as MgCO3	R	1388	1457	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115803	-7.30
Yttrium	R	21871	20567	-5.96

-=low bias a=ICSA

Instrument ID: MET12

Label:	ICSA,S21125	Rack:Tube:	S1:14	Type:	QC
Date Time:	8/1/2024 11:14:05 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
Ag 328.068	Ag	n	0.00116081	0.00116081	mg/L	72.49927914	0.00012068	10.39603940	4.81568950	6.64		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3
Al 396.152	Al	no	415.19450225	415.19450225	mg/L	13984120.68134620	0.52469352	0.12637294	17669.33186878	0.13	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5
As 188.980	As	nu	0.00039597	0.00039597	mg/L	13.68387192	0.00064994	164.13758454	2.86965640	20.97	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24
B 249.678	B	n	0.00057791	0.00057791	mg/L	98.13961068	0.00006277	10.86152753	2.14926605	2.19	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3
Ba 230.424	Ba	n	0.00225636	0.00225636	mg/L	605.60529285	0.00003117	1.38160074	3.92512754	0.65	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911
Be 313.107	Be	n	0.00002056	0.00002056	mg/L	23.24005461	0.00000671	32.64578863	7.62529918	32.81	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	113629
Ca 317.933	Ca-R	no	400.96186335	400.96186335	mg/L	2393504.87427003	0.84452394	0.21062451	5039.58074370	0.21	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36
Cd 214.439	Cd	n	0.00020840	0.00020840	mg/L	560.05616349	0.00007132	34.22105572	12.58616112	2.25	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479
Co 230.786	Co	nu	-0.00131088	-0.00131088	mg/L	59.02031066	0.00004612	3.51837709	2.12339560	3.60	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0
Cr 267.716	Cr	nu	-0.00033669	-0.00033669	mg/L	-10.51763800	0.00016602	49.30738843	7.51838488	71.48	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2
Cu 324.754	Cu	nu	-0.00540574	-0.00540574	mg/L	781.93526211	0.00075346	13.93818815	27.85280494	3.56	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4
Fe 259.940	Fe	no	148.63948894	148.63948894	mg/L	4718854.00035242	1.53495879	1.03267227	48725.58669403	1.03	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9
K 766.491	K-R	n	0.95744193	0.95744193	mg/L	-30.84435917	0.06700335	6.99816304	31.90066598	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105
Li 670.783	Li-R	nu	-0.00016324	-0.00016324	mg/L	62.28940591	0.00084207	515.85961848	27.23889707	43.73	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6
Mg 279.800	Mg-R	no	420.01119304	420.01119304	mg/L	168231.38771707	0.41719136	0.09932863	167.08040479	0.10	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488
Mn 257.610	Mn	n	0.00007903	0.00007903	mg/L	707.16937195	0.00002766	35.00426728	9.02892101	1.28	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371
Mo 204.598	Mo	n	0.00233346	0.00233346	mg/L	107.15684095	0.00046298	19.84097063	5.97591364	5.58	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4
Na 589.592	Na-R	n	0.07736784	0.07736784	mg/L	220.04296487	0.01367332	17.67312782	58.02924060	26.37	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97
Ni 231.604	Ni	nu	-0.00115774	-0.00115774	mg/L	33.81062178	0.00018518	15.99459690	3.35499584	9.92	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9
P 177.434	P	nu	-0.02313005	-0.02313005	mg/L	0.89786077	0.00584557	25.27263172	0.48727019	54.27		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571
Pb 220.353	Pb	nu	-0.00920283	-0.00920283	mg/L	-663.22053620	0.00072181	7.84340369	6.99969287	1.06	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35
S 181.972	S	n	0.03508859	0.03508859	mg/L	301.33697130	0.00297375	8.47499147	3.27617972	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69
Sb 206.834	Sb	n	0.00237516	0.00237516	mg/L	-11.43953478	0.00125888	53.00204378	4.23934000	37.06	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53
Se 196.026	Se	nu	-0.00316153	-0.00316153	mg/L	15.94759678	0.00180353	57.04606092	5.81029941	36.43	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63
Si 251.611	Si	nu	0.00026483	0.00026483	mg/L	37.19263418	0.00031562	119.18057036	1.03428168	2.78		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98
Sn 189.925	Sn	nu	-0.00299220	-0.00299220	mg/L	23.51292154	0.00147212	49.19863712	13.43153015	57.12	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93
Sr 421.552	Sr-R	n	0.01943273	0.01943273	mg/L	3858.32910786	0.00010249	0.52739376	16.94544255	0.44	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342
Ti 334.941	Ti	nu	0.00004985	0.00004985	mg/L	81.43198708	0.00007273	145.90339164	14.14706749	17.37	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526
Tl 190.794	Tl	nu	-0.00011077	-0.00011077	mg/L	2.04422089	0.00035224	318.00290618	1.37662276	67.34	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14
V 292.401	V	n	0.00246011	0.00246011	mg/L	-52.60682833	0.00048074	19.54139714	13.08470470	24.87	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8
Zn 206.200	Zn	nu	-0.03359520	-0.03359520	mg/L	69.71169219	0.00011081	0.32982563	3.08191199	4.42	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6
Y 371.029	Y		0.93	0.93	Ratio	115802.62	0.01	0.62	716.49	0.62		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	20566.85	0.00	0.24	48.44	0.24		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796014	File:	icp data	Time:	01-AUG-2024 11:17
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.029	mg/L	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115917	-7.20
Yttrium	R	21871	20523	-6.16

Instrument ID: MET12

Label:	ICSAB,S21126	Rack:Tube:	S1:15	Type:	QC
Date Time:	8/1/2024 11:17:13 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 Coef
Ag 328.068	Ag	n	1.08650738	1.08650738	mg/L	43383.62336569	0.00726679	0.66882135	289.98402768	0.67		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363
Al 396.152	Al	no	413.74722341	413.74722341	mg/L	13935373.47516650	0.61499444	0.14864014	20710.26298488	0.15	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529
As 188.980	As	nu	-0.00139664	-0.00139664	mg/L	5.74863943	0.00093484	66.93523702	4.12756981	71.80	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458
B 249.678	B	n	0.00101230	0.00101230	mg/L	112.95261385	0.00022771	22.49385809	7.79671591	6.90	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340
Ba 230.424	Ba	n	0.53396471	0.53396471	mg/L	67553.14630266	0.00265470	0.49716758	334.25592229	0.49	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02
Be 313.107	Be	n	0.52415530	0.52415530	mg/L	595595.25297057	0.00452186	0.86269466	5138.16929498	0.86	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5
Ca 317.933	Ca-R	no	400.02026222	400.02026222	mg/L	2387885.66238875	0.42077442	0.10518828	2510.91363131	0.11	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627
Cd 214.439	Cd	n	1.00080618	1.00080618	mg/L	177142.99283808	0.00399824	0.39950193	705.60676525	0.40	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34
Co 230.786	Co	n	0.50272285	0.50272285	mg/L	23264.01895693	0.00095415	0.18979714	43.92834615	0.19	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073
Cr 267.716	Cr	n	0.51563496	0.51563496	mg/L	23356.29695610	0.00027267	0.05288074	12.34855259	0.05	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270
Cu 324.754	Cu	n	0.57601424	0.57601424	mg/L	22274.84087009	0.00127204	0.22083562	47.02297628	0.21	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451
Fe 259.940	Fe	no	149.42146610	149.42146610	mg/L	4743675.42996926	0.17468927	0.11691042	5545.31952112	0.12	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905
K 766.491	K-R	n	1.13206600	1.13206600	mg/L	52.75166260	0.03274094	2.89214023	15.58814183	29.55	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555
Li 670.783	Li-R	nu	-0.00033938	-0.00033938	mg/L	56.17350906	0.00119997	353.57465908	38.81612274	69.10	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651
Mg 279.800	Mg-R	no	418.41311677	418.41311677	mg/L	167591.29231861	0.81502153	0.19478871	326.40687096	0.19	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864
Mn 257.610	Mn	n	0.54193138	0.54193138	mg/L	177550.24869166	0.00106553	0.19661631	347.75709173	0.20	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44
Mo 204.598	Mo	n	0.00153039	0.00153039	mg/L	96.59709476	0.00078051	51.00043482	10.07435429	10.43	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475
Na 589.592	Na-R	n	7.53510107	7.53510107	mg/L	31870.69107124	0.01050026	0.13935124	44.56284440	0.14	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767
Ni 231.604	Ni	n	1.00036656	1.00036656	mg/L	18179.15869688	0.00295101	0.29499246	53.46611796	0.29	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929
P 177.434	P	nu	-0.01115791	-0.01115791	mg/L	1.89160876	0.00740515	66.36679528	0.61727188	32.63		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153
Pb 220.353	Pb	n	1.02878314	1.02878314	mg/L	9403.88270856	0.00144923	0.14086840	14.05369601	0.15	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511
S 181.972	S	n	0.05071615	0.05071615	mg/L	318.20531498	0.00449730	8.86759105	4.95466786	1.56		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980
Sb 206.834	Sb	n	0.00784302	0.00784302	mg/L	6.95768473	0.00167658	21.37667699	5.64593094	81.15	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357
Se 196.026	Se	nu	-0.00581871	-0.00581871	mg/L	7.40879174	0.00226848	38.98591697	7.30820174	98.64	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332
Si 251.611	Si	n	0.00221351	0.00221351	mg/L	43.55418700	0.00217874	98.42918323	7.13969287	16.39		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840
Sn 189.925	Sn	nu	-0.00288035	-0.00288035	mg/L	24.48502685	0.00088530	30.73594463	8.07744090	32.99	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361
Sr 421.552	Sr-R	n	0.01950915	0.01950915	mg/L	3868.23410364	0.00015453	0.79209166	25.55041505	0.66	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36
Ti 334.941	Ti	n	0.00003579	0.00003579	mg/L	78.69572574	0.00002638	73.71819217	5.13207542	6.52	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39
Tl 190.794	Tl	n	0.00136283	0.00136283	mg/L	7.79811377	0.00042307	31.04380815	1.65343224	21.20	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444
V 292.401	V	n	0.54027540	0.54027540	mg/L	14585.88546196	0.00054378	0.10064875	14.80051609	0.10	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817
Zn 206.200	Zn	n	1.02517759	1.02517759	mg/L	29514.20696992	0.00289001	0.28190324	80.38181974	0.27	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693
Y 371.029	Y		0.93	0.93	Ratio	115916.69	0.01	0.90	1037.45	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	20523.24	0.01	0.70	143.60	0.70		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796141	File:	icp data	Time:	01-AUG-2024 18:20
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10202	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	122301	-2.09
Yttrium	R	21871	21371	-2.29

Instrument ID: MET12

Label: CCV,S21323 | Rack:Tube: S1:12 | Type: QC
Date Time: 8/1/2024 6:20:41 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	0.49222043	0.49222043	mg/L	19666.79589019	0.00224084	0.45525144	89.42155787	0.45		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.12946104	1.12946104	mg/L	38346.36071665	0.00127593	0.11296835	42.96773732	0.11	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.06162782	1.06162782	mg/L	4690.69365658	0.00317035	0.29863138	13.99789166	0.30	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.05734991	1.05734991	mg/L	36258.33591165	0.00341033	0.32253581	116.77093390	0.32	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.01784636	1.01784636	mg/L	128342.74631383	0.00197682	0.19421594	248.90341370	0.19	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.04658391	1.04658391	mg/L	1189230.54036454	0.00163708	0.15642161	1860.21066389	0.16	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	52.71731237	52.71731237	mg/L	315325.80675084	0.02815367	0.05340498	168.00314818	0.05	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.03002647	1.03002647	mg/L	181840.30161573	0.00047248	0.04587074	83.38309961	0.05	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.06138548	1.06138548	mg/L	48923.97383393	0.00113742	0.10716370	52.36575898	0.11	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.01505148	1.01505148	mg/L	45941.15493706	0.00218765	0.21552115	99.07272319	0.22	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.05333409	1.05333409	mg/L	39854.19633934	0.00356077	0.33804772	131.62910328	0.33	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.12374050	1.12374050	mg/L	35774.97755993	0.00095895	0.08533563	30.44085009	0.09	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	61.49248283	61.49248283	mg/L	28901.31466348	0.10143892	0.16496149	48.29563208	0.17	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.03179369	1.03179369	mg/L	33344.36291374	0.00207138	0.20075487	67.00415061	0.20	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	52.38639974	52.38639974	mg/L	20981.51030997	0.04776081	0.09117024	19.12766105	0.09	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.08448444	1.08448444	mg/L	354132.08927011	0.00259833	0.23959154	848.02168535	0.24	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.03163571	1.03163571	mg/L	13312.67434675	0.00232573	0.22544132	30.01934356	0.23	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	30.72188847	30.72188847	mg/L	130333.36503567	0.01665135	0.05420027	70.66792872	0.05	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.04081511	1.04081511	mg/L	18865.61295757	0.00302452	0.29059163	54.79806835	0.29	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	4.60868029	4.60868029	mg/L	385.92603765	0.01413984	0.30680894	1.17865707	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.05138597	1.05138597	mg/L	10202.00754519	0.00278747	0.26512375	27.03111305	0.26	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.50939528	5.50939528	mg/L	6220.88215134	0.02461094	0.44670849	27.11382041	0.44		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.04632969	1.04632969	mg/L	3507.53414630	0.00258114	0.24668510	8.69207920	0.25	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.07205444	1.07205444	mg/L	3482.16059937	0.00523952	0.48873648	16.87981543	0.48	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.75824805	5.75824805	mg/L	18891.64910141	0.06611605	1.14819730	216.66123515	1.15		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.23739221	5.23739221	mg/L	47822.48703003	0.02229123	0.42561705	203.38379822	0.43	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.07813119	1.07813119	mg/L	178378.75851395	0.00151292	0.14032842	250.15049833	0.14	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.06123842	1.06123842	mg/L	206494.15154376	0.00839533	0.79108827	1633.11376832	0.79	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.07523574	1.07523574	mg/L	4201.50629627	0.00653976	0.60821673	25.55834081	0.61	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.05262925	1.05262925	mg/L	28614.97686421	0.00164149	0.15594228	44.67788634	0.16	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.09401070	1.09401070	mg/L	30493.74627830	0.00357520	0.32679756	99.43952254	0.33	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.98	0.98	Ratio	122300.97	0.01	0.71	865.67	0.71		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	21371.09	0.00	0.44	93.50	0.44		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796142	File:	icp data	Time:	01-AUG-2024 18:23
Cal:	794308796001	Caldate:	01-AUG-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	124916	123479	-1.15
Yttrium	R	21871	21314	-2.55

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 6:23:48 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	n	0.00035433	0.00035433	mg/L	36.02775745	0.00015778	44.52947284	6.29634588	17.48		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00785499	0.00785499	mg/L	340.21857946	0.00030243	3.85018599	10.18454224	2.99	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00130091	0.00130091	mg/L	9.08522609	0.00088292	67.86945725	3.89831238	42.91	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00193188	0.00193188	mg/L	116.91057213	0.00024671	12.77024465	8.44730235	7.23	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00016193	-0.00016193	mg/L	158.53430853	0.00011943	73.75285243	15.03728547	9.49	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00051978	0.00051978	mg/L	593.07562350	0.00000044	0.08423944	0.49754054	0.08	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03401749	0.03401749	mg/L	947.14064321	0.00088942	2.61459014	5.30747932	0.56	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00036769	0.00036769	mg/L	124.02682635	0.00002728	7.41885218	4.81404532	3.88	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00047480	0.00047480	mg/L	78.89632410	0.00002467	5.19551761	1.13569819	1.44	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00062947	0.00062947	mg/L	-1.91481994	0.00006901	10.96278850	3.12514845	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00426799	0.00426799	mg/L	1061.41378694	0.00034500	8.08351295	12.75356869	1.20	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00631138	0.00631138	mg/L	255.72677847	0.00057540	9.11682950	18.26538348	7.14	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.69849492	0.69849492	mg/L	-32.72714071	0.05258551	7.52840205	25.03625161	76.50	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00278196	-0.00278196	mg/L	-133.96945133	0.00186122	66.90294363	60.20597994	44.94	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.02079508	0.02079508	mg/L	9.36543340	0.00693114	33.33066972	2.77584200	29.64	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00039448	0.00039448	mg/L	292.53362166	0.00001438	3.64538108	4.69337051	1.60	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00156726	0.00156726	mg/L	16.86132864	0.00050412	32.16552102	6.50687402	38.59	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01113914	0.01113914	mg/L	1.51349802	0.00072429	6.50220072	3.07386801	> 100.00	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	0.00021964	0.00021964	mg/L	8.25069330	0.00035906	163.48093700	6.50551336	78.85	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	-0.00188342	-0.00188342	mg/L	1.49119010	0.00477133	253.33366233	0.39772445	26.67		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00166080	0.00166080	mg/L	24.86547480	0.00095165	57.30100085	9.22851369	37.11	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	nu	0.00176893	0.00176893	mg/L	148.80510767	0.00299056	169.06025031	3.29469921	2.21		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	-0.00122603	-0.00122603	mg/L	-20.04071904	0.00220037	179.47163674	7.40981667	36.97	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00058853	-0.00058853	mg/L	25.93473981	0.00141371	240.20951450	4.55444204	17.56	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00805648	0.00805648	mg/L	49.00369129	0.00225313	27.96674288	7.38348374	15.07		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00181606	0.00181606	mg/L	53.02276453	0.00057888	31.87526728	5.28162016	9.96	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00048519	0.00048519	mg/L	122.86781189	0.00011392	23.47962052	18.83598995	15.33	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00178432	0.00178432	mg/L	404.09698878	0.00042911	24.04916662	83.47406430	20.66	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00266637	0.00266637	mg/L	9.96415774	0.00065417	24.53397067	2.55657627	25.66	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00116463	0.00116463	mg/L	-6.84138426	0.00034044	29.23118809	9.26592184	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.00126897	0.00126897	mg/L	94.76585372	0.00038501	30.34014997	10.70851940	11.30	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.99	0.99	Ratio	123478.51	0.01	1.00	1238.58	1.00		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21314.03	0.00	0.45	95.16	0.45		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796153	File:	icp data	Time:	01-AUG-2024 18:58
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10198	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	123521	-1.12
Yttrium	R	21871	21599	-1.24

Instrument ID: MET12

Label: CCV,S21323
Rack:Tube: S1:12
Type: QC
Date Time: 8/1/2024 6:58:07 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	0.49132768	0.49132768	mg/L	19631.16674091	0.00115430	0.23493490	46.06276881	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.12773837	1.12773837	mg/L	38288.08073201	0.00116266	0.10309683	39.15327328	0.10	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.05750877	1.05750877	mg/L	4672.50761291	0.00180131	0.17033527	7.95322825	0.17	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.04970551	1.04970551	mg/L	35996.58468441	0.00376034	0.35822799	128.75528690	0.36	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.01215883	1.01215883	mg/L	127626.61528149	0.00646110	0.63834865	813.52398140	0.64	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.04310437	1.04310437	mg/L	1185276.75117700	0.00060121	0.05763704	683.15735092	0.06	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	52.55583116	52.55583116	mg/L	314362.19170508	0.06280971	0.11951044	374.80831068	0.12	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.02526951	1.02526951	mg/L	181000.78452801	0.00888361	0.86646543	1567.77291389	0.87	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.05555732	1.05555732	mg/L	48655.64789044	0.00870368	0.82455773	400.70933730	0.82	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.00818170	1.00818170	mg/L	45630.03909116	0.00090276	0.08954332	40.88350771	0.09	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.05459693	1.05459693	mg/L	39900.86142056	0.00474150	0.44960326	175.27651320	0.44	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.12084155	1.12084155	mg/L	35682.88420059	0.00132165	0.11791600	41.95437979	0.12	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	61.22774195	61.22774195	mg/L	28775.28240421	0.11981177	0.19568217	57.04305187	0.20	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.02729816	1.02729816	mg/L	33198.92352154	0.00237890	0.23156845	76.95177867	0.23	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	52.28340952	52.28340952	mg/L	20940.26325685	0.08896165	0.17015272	35.62812897	0.17	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.07380001	1.07380001	mg/L	350644.95081918	0.00077857	0.07250623	254.10362095	0.07	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.02795913	1.02795913	mg/L	13265.22174165	0.00172494	0.16780227	22.26460438	0.17	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	30.61297717	30.61297717	mg/L	129871.15381854	0.02838818	0.09273250	120.47877163	0.09	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.03381198	1.03381198	mg/L	18738.72275689	0.00194838	0.18846527	35.30054859	0.19	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	4.85200236	4.85200236	mg/L	406.20852854	0.03529496	0.72743077	2.94208726	0.72		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.05101752	1.05101752	mg/L	10198.41619629	0.00206219	0.19620895	19.99778436	0.20	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.53621116	5.53621116	mg/L	6250.42321080	0.02142532	0.38700324	23.60422901	0.38		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.04213746	1.04213746	mg/L	3493.41547124	0.00335620	0.32204958	11.30212103	0.32	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.06642399	1.06642399	mg/L	3464.02094142	0.00407175	0.38181388	13.11770087	0.38	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.68557823	5.68557823	mg/L	18653.51331075	0.09821476	1.72743657	321.84819212	1.73		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.20278456	5.20278456	mg/L	47506.72868282	0.04490489	0.86309334	409.70932324	0.86	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.07421174	1.07421174	mg/L	177730.63721528	0.00114050	0.10617068	188.57261125	0.11	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.05410190	1.05410190	mg/L	205105.91059899	0.00266270	0.25260382	517.96573756	0.25	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.06542502	1.06542502	mg/L	4163.16508540	0.00808691	0.75903169	31.60482639	0.76	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.04887983	1.04887983	mg/L	28512.92442057	0.00053119	0.05064339	14.45778735	0.05	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.11150970	1.11150970	mg/L	30980.43605838	0.00239730	0.21567925	66.67764999	0.22	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.99	0.99	Ratio	123521.27	0.01	0.76	939.22	0.76		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	21599.02	0.00	0.40	86.74	0.40		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796154	File:	icp data	Time:	01-AUG-2024 19:01
Cal:	794308796001	Caldate:	01-AUG-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002616]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	126885	1.58
Yttrium	R	21871	22083	0.97

!=warning CCB=instrument blank

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 7:01:14 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	n	0.00053792	0.00053792	mg/L	43.35362900	0.00017129	31.84326758	6.83538193	15.77		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00791385	0.00791385	mg/L	342.16383172	0.00080364	10.15491531	27.06314843	7.91	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00170014	0.00170014	mg/L	10.84772955	0.00040022	23.54045986	1.76707293	16.29	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00130709	0.00130709	mg/L	95.51690179	0.00031232	23.89399057	10.69380759	11.20	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00010905	-0.00010905	mg/L	165.19021669	0.00014052	128.86444039	17.69364461	10.71	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00056399	0.00056399	mg/L	643.30659993	0.00000963	1.70749483	10.94260908	1.70	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03535665	0.03535665	mg/L	955.13092485	0.00141224	3.99426340	8.42733530	0.88	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00038976	0.00038976	mg/L	127.91546869	0.00004100	10.51954917	7.23577085	5.66	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00040204	0.00040204	mg/L	75.54588172	0.00037249	92.64884223	17.14894273	22.70	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00074843	0.00074843	mg/L	3.47179089	0.00024271	32.42890018	10.99150370	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00305618	0.00305618	mg/L	1016.61573108	0.00027371	8.95593437	10.11806701	1.00	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00566239	0.00566239	mg/L	235.11921051	0.00037018	6.53754810	11.75101362	5.00	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.76217879	0.76217879	mg/L	-2.40483055	0.18274547	23.97671951	87.00613423	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00117986	-0.00117986	mg/L	-82.14667833	0.00086837	73.59922720	28.08962583	34.19	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.01977733	0.01977733	mg/L	8.95755668	0.00876845	44.33585698	3.51166493	39.20	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00044614	0.00044614	mg/L	309.38521677	0.00003322	7.44620897	10.84216964	3.50	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00144573	0.00144573	mg/L	15.29111133	0.00035584	24.61316634	4.59300042	30.04	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01380030	0.01380030	mg/L	12.80838231	0.00230753	16.72083027	9.79308350	76.46	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	0.00073348	0.00073348	mg/L	17.55985210	0.00015656	21.34511845	2.83657730	16.15	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	-0.00507518	-0.00507518	mg/L	1.22511360	0.00700184	137.96229759	0.58365358	47.64		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00261599	0.00261599	mg/L	34.14003898	0.00139260	53.23439505	13.50457973	39.56	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01532587	0.01532587	mg/L	163.73852622	0.00051138	3.33672291	0.56338840	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00159696	0.00159696	mg/L	-10.53401500	0.00235661	147.56872921	7.93596964	75.34	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00154096	-0.00154096	mg/L	22.86632051	0.00436368	283.17902842	14.05818012	61.48	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00757659	0.00757659	mg/L	47.43077409	0.00080572	10.63433473	2.64033079	5.57		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00290966	0.00290966	mg/L	63.00040887	0.00031820	10.93604064	2.90324904	4.61	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00061491	0.00061491	mg/L	144.30349207	0.00007758	12.61735901	12.82808002	8.89	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00160807	0.00160807	mg/L	369.81194224	0.00041482	25.79587688	80.69277539	21.82	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00271292	0.00271292	mg/L	10.14601683	0.00063109	23.26245329	2.46639706	24.31	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00152260	0.00152260	mg/L	2.90261156	0.00003358	2.20533600	0.91393256	31.49	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.00960696	0.00960696	mg/L	326.66359086	0.00154877	16.12128183	43.07687798	13.19	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.02	1.02	Ratio	126885.28	0.01	0.57	726.14	0.57		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.01	1.01	Ratio	22082.97	0.00	0.25	54.32	0.25		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796165	File:	icp data	Time:	01-AUG-2024 19:35
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10387	1.000	1.070	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121931	-2.39
Yttrium	R	21871	21265	-2.77

Instrument ID: MET12

Label: CCV,S21323 | Rack:Tube: S1:12 | Type: QC
Date Time: 8/1/2024 7:35:41 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	0.50117302	0.50117302	mg/L	20024.12854235	0.00083442	0.16649364	33.29788107	0.17		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.15169148	1.15169148	mg/L	39101.98091465	0.00106778	0.09271419	35.95810350	0.09	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.07451197	1.07451197	mg/L	4747.58158834	0.00174708	0.16259252	7.71377028	0.16	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.06481158	1.06481158	mg/L	36513.92068544	0.00471137	0.44246078	161.31903668	0.44	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.02956301	1.02956301	mg/L	129818.14402823	0.00411908	0.40008003	518.63706353	0.40	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.06358060	1.06358060	mg/L	1208543.78207885	0.00116000	0.10906537	1318.10078398	0.11	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	53.97422728	53.97422728	mg/L	322826.23733828	0.12414612	0.23000999	740.82491864	0.23	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.04332743	1.04332743	mg/L	184187.72929185	0.00317634	0.30444346	560.55875795	0.30	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.07529560	1.07529560	mg/L	49564.43166682	0.00369967	0.34406043	170.32922570	0.34	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.02414320	1.02414320	mg/L	46352.97601313	0.00006383	0.00623278	2.89080413	0.01	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.07367807	1.07367807	mg/L	40606.56268650	0.00694944	0.64725515	256.89601759	0.63	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.14153103	1.14153103	mg/L	36341.03973210	0.00066325	0.05810207	21.05424718	0.06	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	62.87500260	62.87500260	mg/L	29559.24332371	0.32000545	0.50895498	152.35637570	0.52	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.05691774	1.05691774	mg/L	34157.39625454	0.00444924	0.42096335	143.92234548	0.42	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	53.93881980	53.93881980	mg/L	21603.24645218	0.13289878	0.24638799	53.22445112	0.25	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.09233920	1.09233920	mg/L	356696.27408082	0.00083168	0.07613709	271.43505141	0.08	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.04544008	1.04544008	mg/L	13490.86082203	0.00007117	0.00680793	0.91866146	0.01	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	31.34685815	31.34685815	mg/L	132985.62079165	0.03220201	0.10272802	136.66456824	0.10	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.05813549	1.05813549	mg/L	19179.52247473	0.00114565	0.10827040	20.75676209	0.11	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.38387877	5.38387877	mg/L	450.54749223	0.03401587	0.63180972	2.83546602	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.07042377	1.07042377	mg/L	10386.55800816	0.00242447	0.22649601	23.51090926	0.23	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.69481103	5.69481103	mg/L	6425.28308407	0.01731650	0.30407504	19.07755288	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.05834753	1.05834753	mg/L	3548.00002578	0.00207688	0.19623831	6.99397880	0.20	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.08712564	1.08712564	mg/L	3530.72911034	0.00372470	0.34261864	11.99960165	0.34	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.80888774	5.80888774	mg/L	19057.57857522	0.08889684	1.53035901	291.31351516	1.53		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.29727054	5.29727054	mg/L	48368.82455334	0.02290999	0.43248663	209.02925458	0.43	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.10853366	1.10853366	mg/L	183407.89435729	0.00098443	0.08880507	162.76865700	0.09	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.07426738	1.07426738	mg/L	209028.56685972	0.00459981	0.42818115	894.78452385	0.43	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.08428847	1.08428847	mg/L	4236.87981997	0.00958117	0.88363623	37.44457947	0.88	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.07256471	1.07256471	mg/L	29157.67215006	0.00009252	0.00862566	2.51807923	0.01	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.13772528	1.13772528	mg/L	31709.79502637	0.00234068	0.20573354	65.10302405	0.21	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.98	0.98	Ratio	121930.80	0.01	0.71	870.14	0.71		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21265.17	0.01	0.80	170.03	0.80		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796166	File:	icp data	Time:	01-AUG-2024 19:38
Cal:	794308796001	Caldate:	01-AUG-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags	
Lead	A	0.003601	0.003333	---	mg/L	CCB	***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125106	0.15
Yttrium	R	21871	21816	-0.25

CCB=instrument blank

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 7:38:48 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	n	0.00023224	0.00023224	mg/L	31.15666731	0.00019585	84.33339713	7.81563012	25.08		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00830623	0.00830623	mg/L	355.49320029	0.00067607	8.13930435	22.76698434	6.40	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00192502	0.00192502	mg/L	11.84053340	0.00105250	54.67460987	4.64703857	39.25	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00135301	0.00135301	mg/L	97.09027022	0.00021238	15.69673686	7.27189835	7.49	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00011066	-0.00011066	mg/L	164.98872893	0.00014042	126.89328475	17.68067062	10.72	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00061509	0.00061509	mg/L	701.37397833	0.00001276	2.07396971	14.49549736	2.07	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03806679	0.03806679	mg/L	971.30341057	0.00205718	5.40413514	12.27594523	1.26	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00048099	0.00048099	mg/L	144.02130943	0.00001563	3.25042831	2.75913597	1.92	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00050496	0.00050496	mg/L	80.28504965	0.00018893	37.41481247	8.69808042	10.83	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00075422	0.00075422	mg/L	3.73556558	0.00011570	15.34071760	5.23989085	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00322720	0.00322720	mg/L	1022.94179280	0.00025687	7.95954082	9.49559699	0.93	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00640383	0.00640383	mg/L	258.67731953	0.00042809	6.68491580	13.58926304	5.25	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.76143659	0.76143659	mg/L	-2.76285106	0.09398997	12.34376891	44.74914845	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00207513	-0.00207513	mg/L	-111.10091506	0.00118659	57.18177261	38.38352630	34.55	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.02914426	0.02914426	mg/L	12.70917750	0.00679074	23.30043164	2.71961367	21.40	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00051882	0.00051882	mg/L	333.12070470	0.00001950	3.75767025	6.36281870	1.91	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00206005	0.00206005	mg/L	23.21960252	0.00083048	40.31353259	10.71938191	46.17	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01850396	0.01850396	mg/L	32.76907782	0.00613120	33.13451743	26.02066037	79.41	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	0.00073599	0.00073599	mg/L	17.60725672	0.00029283	39.78687251	5.30539244	30.13	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	0.00434794	0.00434794	mg/L	2.01064692	0.00457381	105.19481571	0.38125993	18.96		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00360054	0.00360054	mg/L	43.69325239	0.00055567	15.43300947	5.38854805	12.33	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01649780	0.01649780	mg/L	165.03084678	0.00405009	24.54925215	4.46197223	2.70		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00077333	0.00077333	mg/L	-13.30733320	0.00352921	456.36595186	11.88475295	89.31	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00047642	-0.00047642	mg/L	26.29596063	0.00249831	524.39554933	8.04863707	30.61	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00756850	0.00756850	mg/L	47.40375070	0.00150468	19.88085819	4.93082366	10.40		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00352350	0.00352350	mg/L	68.60124138	0.00038878	11.03389055	3.54719819	5.17	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00061102	0.00061102	mg/L	143.69719976	0.00006297	10.30586528	10.41170472	7.25	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00170558	0.00170558	mg/L	388.77915006	0.00035556	20.84654264	69.16487716	17.79	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00258238	0.00258238	mg/L	9.63569802	0.00028762	11.13795607	1.12407648	11.67	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00119216	0.00119216	mg/L	-6.09057740	0.00025495	21.38574283	6.93924869	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.01338466	0.01338466	mg/L	431.74476129	0.00215575	16.10611103	59.95930197	13.89	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.00	1.00	Ratio	125106.31	0.01	0.81	1013.41	0.81		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21815.59	0.00	0.48	105.30	0.48		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796177	File:	icp data	Time:	01-AUG-2024 20:13
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10422	1.000	1.074	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121175	-3.00
Yttrium	R	21871	21222	-2.97

Instrument ID: MET12

Label: CCV,S21323 | Rack:Tube: S1:12 | Type: QC
Date Time: 8/1/2024 8:13:14 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	0.50266473	0.50266473	mg/L	20083.65762131	0.00049259	0.09799521	19.65687810	0.10		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.15553534	1.15553534	mg/L	39231.43196154	0.00373417	0.32315489	125.75011456	0.32	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.08478916	1.08478916	mg/L	4792.95724852	0.00249342	0.22985305	11.00906649	0.23	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.07266714	1.07266714	mg/L	36782.90571300	0.00093721	0.08737225	32.09050547	0.09	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.03651009	1.03651009	mg/L	130692.88113535	0.00282446	0.27249677	355.63020393	0.27	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.06886499	1.06886499	mg/L	1214548.41275153	0.00147126	0.13764707	1671.78779436	0.14	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	54.13325231	54.13325231	mg/L	323775.18993493	0.08305118	0.15341991	495.59654609	0.15	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.04990767	1.04990767	mg/L	185349.01560766	0.00353113	0.33632722	623.17065736	0.34	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.08026996	1.08026996	mg/L	49793.44969237	0.00372653	0.34496257	171.56584964	0.34	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.03179670	1.03179670	mg/L	46699.58031398	0.00118342	0.11469555	53.59408491	0.11	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.07644338	1.07644338	mg/L	40708.82310571	0.00149956	0.13930677	55.43335688	0.14	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.15126626	1.15126626	mg/L	36650.14614719	0.00072768	0.06320689	23.09939164	0.06	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	63.03788434	63.03788434	mg/L	29636.78409239	0.21148152	0.33548321	100.68752627	0.34	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.05637733	1.05637733	mg/L	34139.94101300	0.00096018	0.09089343	31.05949111	0.09	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	54.08545950	54.08545950	mg/L	21661.97427049	0.07066190	0.13064860	28.29928707	0.13	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.09980176	1.09980176	mg/L	359131.91090381	0.00067525	0.06139779	220.38362673	0.06	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.04796290	1.04796290	mg/L	13523.42546854	0.00142390	0.13587309	18.37894812	0.14	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	31.41117392	31.41117392	mg/L	133258.56470096	0.06559186	0.20881698	278.37034716	0.21	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.06135829	1.06135829	mg/L	19237.92579131	0.00143154	0.13487836	25.93658825	0.13	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.74592540	5.74592540	mg/L	480.72681897	0.05965398	1.03819614	4.97258561	1.03		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.07406290	1.07406290	mg/L	10421.83349552	0.00386316	0.35967699	37.46239096	0.36	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.75527586	5.75527586	mg/L	6491.89863409	0.02736506	0.47547773	30.14802750	0.46		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.06308087	1.06308087	mg/L	3563.94086295	0.00107098	0.10074331	3.60657311	0.10	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.09332926	1.09332926	mg/L	3550.71632015	0.00326299	0.29844564	10.51216840	0.30	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.83591426	5.83591426	mg/L	19146.14210276	0.09126101	1.56378256	299.06087071	1.56		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.31547680	5.31547680	mg/L	48534.93793200	0.02808444	0.52835219	256.24061761	0.53	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.10682029	1.10682029	mg/L	183124.54117545	0.00131709	0.11899741	217.77036115	0.12	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.08002809	1.08002809	mg/L	210149.18369598	0.00258426	0.23927680	502.70611402	0.24	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.07800867	1.07800867	mg/L	4212.33716922	0.01115362	1.03465035	43.58995970	1.03	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.07556968	1.07556968	mg/L	29239.45914589	0.00143068	0.13301603	38.93998997	0.13	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.13631961	1.13631961	mg/L	31670.70976687	0.00272180	0.23952787	75.70337119	0.24	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.97	0.97	Ratio	121174.51	0.01	0.55	670.47	0.55		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21221.88	0.00	0.13	27.07	0.13		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796178	File:	icp data	Time:	01-AUG-2024 20:16
Cal:	794308796001	Caldate:	01-AUG-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001869]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125057	0.11
Yttrium	R	21871	21790	-0.37

!=warning CCB=instrument blank

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 8:16:21 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	n	0.00040520	0.00040520	mg/L	38.05851829	0.00010403	25.67311420	4.15120886	10.91		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00907376	0.00907376	mg/L	381.35555138	0.00143991	15.86896394	48.48977808	12.72	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00237970	0.00237970	mg/L	13.84851903	0.00123910	52.06967437	5.47094499	39.51	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00147806	0.00147806	mg/L	101.37252666	0.00016717	11.31009865	5.72394799	5.65	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00009913	-0.00009913	mg/L	166.44177567	0.00003068	30.94534751	3.86262284	2.32	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00064452	0.00064452	mg/L	734.81845355	0.00000331	0.51335637	3.75966551	0.51	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03986815	0.03986815	mg/L	982.05285486	0.00044243	1.10973379	2.64014198	0.27	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00050073	0.00050073	mg/L	147.50167373	0.00002852	5.69479046	5.03235643	3.41	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00076138	0.00076138	mg/L	92.09032458	0.00027310	35.86897475	12.57320495	13.65	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00080847	0.00080847	mg/L	6.19295908	0.00014606	18.06656634	6.61476348	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00337009	0.00337009	mg/L	1028.22462586	0.00016015	4.75207849	5.92016031	0.58	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00645955	0.00645955	mg/L	260.44261400	0.00027010	4.18142766	8.57407814	3.29	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.80752017	0.80752017	mg/L	19.17680833	0.03032437	3.75524634	14.43760183	75.29	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00223654	-0.00223654	mg/L	-116.32386903	0.00080886	36.16578102	26.16481544	22.49	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.01648648	0.01648648	mg/L	7.63985214	0.01146132	69.51954320	4.59013052	60.08	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00058559	0.00058559	mg/L	354.90584675	0.00001565	2.67295069	5.10857272	1.44	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00261722	0.00261722	mg/L	30.41433841	0.00065574	25.05480759	8.46394537	27.83	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01506588	0.01506588	mg/L	18.17783237	0.00413921	27.47408562	17.56672729	96.64	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	0.00036502	0.00036502	mg/L	10.88479243	0.00042818	117.30347635	7.75776110	71.27	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	-0.00129976	-0.00129976	mg/L	1.53987571	0.01118748	860.73284315	0.93255630	60.56		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00186895	0.00186895	mg/L	26.87944598	0.00043718	23.39169416	4.23948830	15.77	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01939882	0.01939882	mg/L	168.23019572	0.00270295	13.93356547	2.97783105	1.77		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	n	0.00237727	0.00237727	mg/L	-7.90695349	0.00029538	12.42529350	0.99471223	12.58	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00156557	-0.00156557	mg/L	22.78735319	0.00183084	116.94397624	5.89828560	25.88	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00762297	0.00762297	mg/L	47.58322969	0.00154821	20.30980916	5.07346314	10.66		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00274239	0.00274239	mg/L	61.47462864	0.00025111	9.15647558	2.29107816	3.73	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00068895	0.00068895	mg/L	156.59497632	0.00012937	18.77806179	21.39056668	13.66	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00168733	0.00168733	mg/L	385.22905593	0.00037713	22.35080343	73.36223881	19.04	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00303633	0.00303633	mg/L	11.40998771	0.00024536	8.08087692	0.95891034	8.40	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00123868	0.00123868	mg/L	-4.82359297	0.00055273	44.62289174	15.04418479	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.00820948	0.00820948	mg/L	287.80074367	0.00188673	22.98231837	52.47689903	18.23	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.00	1.00	Ratio	125057.13	0.01	0.69	863.07	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21790.09	0.00	0.27	59.22	0.27		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796188	File:	icp data	Time:	01-AUG-2024 20:47
Cal:	794308796001	Caldate:	01-AUG-2024		

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10196	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	123276	-1.31
Yttrium	R	21871	21423	-2.05

Instrument ID: MET12

Label: CCV,S21323 | Rack:Tube: S1:12 | Type: QC
Date Time: 8/1/2024 8:47:40 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	0.49271564	0.49271564	mg/L	19686.60715960	0.00159073	0.32284966	63.47868969	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.13295428	1.13295428	mg/L	38468.53615997	0.00091658	0.08090133	30.86614998	0.08	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.05681428	1.05681428	mg/L	4669.44120640	0.00359973	0.34062104	15.89370076	0.34	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.04003606	1.04003606	mg/L	35665.56588487	0.00135253	0.13004682	46.31121882	0.13	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.00870780	1.00870780	mg/L	127192.19716211	0.00187901	0.18627919	236.58840713	0.19	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.04514388	1.04514388	mg/L	1187594.22396915	0.00175244	0.16767410	1991.28481338	0.17	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	53.43724035	53.43724035	mg/L	319621.85457002	0.03010120	0.05633001	179.62480728	0.06	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.02242495	1.02242495	mg/L	180498.85498753	0.00335331	0.32797632	591.79025199	0.33	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.05249737	1.05249737	mg/L	48514.80659760	0.00137329	0.13047899	63.22490526	0.13	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.00709806	1.00709806	mg/L	45581.01847970	0.00209288	0.20781281	94.78076781	0.21	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.05049398	1.05049398	mg/L	39749.42095672	0.00410917	0.39116531	151.90136334	0.38	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.12898206	1.12898206	mg/L	35942.23714273	0.00291920	0.25856887	92.66668557	0.26	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	62.13255649	62.13255649	mg/L	29205.86354326	0.05922620	0.09532233	28.19792350	0.10	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.04156725	1.04156725	mg/L	33660.73360294	0.00268359	0.25764893	86.80773238	0.26	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	53.60149250	53.60149250	mg/L	21468.14770213	0.05776569	0.10776881	23.13450360	0.11	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.07261728	1.07261728	mg/L	350259.40820564	0.00225878	0.21058612	737.20229237	0.21	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.02393901	1.02393901	mg/L	13213.33282735	0.00112286	0.10966115	14.49333048	0.11	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	30.91125158	30.91125158	mg/L	131136.95005571	0.01073465	0.03472731	45.55758994	0.03	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.03924103	1.03924103	mg/L	18837.16203357	0.00308734	0.29707663	55.93624808	0.30	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.95205271	5.95205271	mg/L	497.90778527	0.03394229	0.57026192	2.82933271	0.57		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.05076450	1.05076450	mg/L	10195.94451722	0.00116923	0.11127441	11.33845306	0.11	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.64328556	5.64328556	mg/L	6368.47135738	0.02530037	0.44832699	27.87337027	0.44		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.03548354	1.03548354	mg/L	3471.00722557	0.00307539	0.29700014	10.35647754	0.30	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.06343918	1.06343918	mg/L	3454.41483387	0.00282236	0.26539939	9.09261234	0.26	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.68994491	5.68994491	mg/L	18667.80964782	0.08590348	1.50974191	281.50434165	1.51		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.19915540	5.19915540	mg/L	47473.62434268	0.03125623	0.60117896	285.17983046	0.60	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.09245081	1.09245081	mg/L	180747.88632438	0.00102108	0.09346729	168.82846973	0.09	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.05439304	1.05439304	mg/L	205162.50686378	0.00302978	0.28734863	589.37294565	0.29	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.05219586	1.05219586	mg/L	4111.45919623	0.00759524	0.72184697	29.68331029	0.72	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.05420103	1.05420103	mg/L	28657.81650864	0.00230941	0.21906692	62.85698445	0.22	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.13805740	1.13805740	mg/L	31718.98604981	0.00466291	0.40972520	129.69268891	0.41	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.99	0.99	Ratio	123276.26	0.01	0.67	827.29	0.67		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	21423.07	0.00	0.20	42.85	0.20		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513150 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794308796189	File:	icp data	Time:	01-AUG-2024 20:50
Cal:	794308796001	Caldate:	01-AUG-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	124916	127200	1.83
Yttrium	R	21871	22142	1.24

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 8:50:47 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	0.00035953	0.00035953	mg/L	36.23535470	0.00046961	130.61808672	18.74005206	51.72		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00813610	0.00813610	mg/L	349.68136730	0.00075188	9.24129174	25.31998626	7.24	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00121497	0.00121497	mg/L	8.70568339	0.00018711	15.40016375	0.82612207	9.49	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00144334	0.00144334	mg/L	100.18268141	0.00036604	25.36087952	12.53342561	12.51	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00000867	-0.00000867	mg/L	177.83128878	0.00005996	691.59076627	7.54911186	4.25	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00066690	0.00066690	mg/L	760.24057503	0.00000914	1.37017609	10.38307856	1.37	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.04082148	0.04082148	mg/L	987.74188575	0.00073891	1.81010950	4.40936522	0.45	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00050377	0.00050377	mg/L	148.04072813	0.00003644	7.23286555	6.43042454	4.34	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00038058	0.00038058	mg/L	74.55842826	0.00016371	43.01672437	7.53718644	10.11	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00070049	0.00070049	mg/L	1.30153103	0.00020410	29.13654782	9.24310035	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00292188	0.00292188	mg/L	1011.65331150	0.00028163	9.63875210	10.41094977	1.03	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00678814	0.00678814	mg/L	270.86186767	0.00053289	7.85034905	16.91609465	6.25	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.69913881	0.69913881	mg/L	-32.42039578	0.06199932	8.86795526	29.51821948	91.05	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00155276	-0.00155276	mg/L	-94.20715332	0.00103778	66.83458876	33.56974408	35.63	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.03079627	0.03079627	mg/L	13.37069562	0.01023957	33.24936885	4.10082972	30.67	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00057048	0.00057048	mg/L	349.97379332	0.00003058	5.36118730	9.98194768	2.85	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00300159	0.00300159	mg/L	35.37440552	0.00133471	44.46674280	17.22772091	48.70	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01936230	0.01936230	mg/L	36.41236825	0.00501246	25.88776209	21.27278479	58.42	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	0.00047776	0.00047776	mg/L	12.92745378	0.00021822	45.67645403	3.95374756	30.58	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	0.00544603	0.00544603	mg/L	2.10215210	0.00851822	156.41160999	0.71005480	33.78		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00147308	0.00147308	mg/L	23.04874411	0.00075955	51.56204011	7.36563588	31.96	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01770106	0.01770106	mg/L	166.35692667	0.00258862	14.62412032	2.85188169	1.71		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00184395	0.00184395	mg/L	-9.70241669	0.00303619	164.65712938	10.22447511	> 100.00	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	0.00096902	0.00096902	mg/L	30.95265551	0.00127054	131.11615099	4.09322782	13.22	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00662973	0.00662973	mg/L	44.32810874	0.00146340	22.07333362	4.79554849	10.82		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00373667	0.00373667	mg/L	70.54615431	0.00091899	24.59391994	8.38483019	11.89	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00067522	0.00067522	mg/L	154.28615656	0.00003273	4.84749866	5.41190464	3.51	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00172981	0.00172981	mg/L	393.49386961	0.00031443	18.17683194	61.16402608	15.54	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00179370	0.00179370	mg/L	6.55360817	0.00098861	55.11575788	3.86363802	58.95	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00154282	0.00154282	mg/L	3.45258500	0.00040805	26.44806028	11.10611725	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.01603253	0.01603253	mg/L	505.38991350	0.00296579	18.49859323	82.48965928	16.32	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.02	1.02	Ratio	127200.21	0.01	0.82	1039.54	0.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.01	1.01	Ratio	22141.74	0.01	0.70	153.89	0.70		-	-	-	Fitted	-	-

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

enthalpy.com

Lab Job Number : 513457
Report Level : II
Report Date : 08/07/2024

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 #:	513457
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	08/05/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA	513457-001	08/05/24 11:20	Wipe
DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB	513457-002	08/05/24 11:30	Wipe
DOOR-S-15.6GE-PS-16-240805-L-G	513457-003	08/05/24 11:40	Wipe
DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	513457-004	08/05/24 11:50	Wipe
DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB	513457-005	08/05/24 11:50	Wipe
DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	513457-006	08/05/24 12:05	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 513457 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/05/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/06/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

513457

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA	8/5/2024	1120	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
2	DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB	8/5/2024	1130	WP	1	--	X		
3	DOOR-S-15.6GE-PS-16-240805-L-G	8/5/2024	1140	WP	1	--	X		9x Rivet Type 2 = 0.0900 ft²
4	DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	8/5/2024	1150	WP	1	--	X		
5	DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB	8/5/2024	1150	WP	1	--	X		
6	DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	8/5/2024	1205	WP	1	--	X		2x Rivet Type 1 = 0.0276 ft²
7									
8									
9									
10									
11									
12									
13									
14									
15									

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 8 Enclosure B (High Occupancy) (Resample)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK	Tyler Sinnott	Rincon / Envi. Scientist	8/5/24 1345
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	8/5/24 13:45
2 Relinquished By:	Audrey Hudson	" "	" "	8/5/24 15:50
2 Received By:		Mmmoll 4	BT	8/5/24 16:50
3 Relinquished By:		Mmmoll 4	BT	8/5/24 16:10
3 Received By:	Eleena Sylvestri	Geena Sylvestri	E.A.	8/6/24 10:30

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: 8.6.24 Login # 513457 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 8/6/24 By (print) MM (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 8.5.24 By (print) Jadz Peterson (sign) _____

Date Labeled 8/5/24 By (print) MM (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

Project: Hangar 1 NTCRA

Date Received: 8/6/24

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: 2.6 #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: 2.6 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: [signature] Date: AUG 06 2024

SOUTHWEST AIRLINES

Printed on:
05 AUG 19:11

526 OAK 1595 3114

SNA

2.6/ice

PC# 5 OF 7 | DG G | LOT WT 270 LB (122.5 KG)

OAK WN 383 05 AUG 20:45

STN FLT DATE ETD LOT 01

PC ID: 0005
PC WT: 38LB

526 15953114 0005

S

ENTHALPY ANALYTICAL

Lead

Lab #: 513457 **Project#:** 20-10491

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

Field ID: DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA **Batch#:** 346979 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/24 **Analysis:** EPA 6010B
Lab ID: 513457-001 **Received:** 08/05/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/06/24
Diln Fac: 1.000 **Analyzed:** 08/06/24

513457-001 Analyte	Result	RL	Units
Lead	**10**	0.50	ug/ft2

Field ID: DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB **Batch#:** 346979 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/24 **Analysis:** EPA 6010B
Lab ID: 513457-002 **Received:** 08/05/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/06/24
Diln Fac: 1.000 **Analyzed:** 08/06/24

513457-002 Analyte	Result	RL	Units
Lead	**11**	0.50	ug/ft2

Field ID: DOOR-S-15.6GE-PS-16-240805-L-G **Batch#:** 346979 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/24 **Analysis:** EPA 6010B
Lab ID: 513457-003 **Received:** 08/05/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/06/24
Diln Fac: 1.000 **Analyzed:** 08/06/24

513457-003 Analyte	Result	RL	Units
Lead	**16**	0.50	ug/ft2

Field ID: DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB **Batch#:** 346979 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/24 **Analysis:** EPA 6010B
Lab ID: 513457-004 **Received:** 08/05/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/06/24
Diln Fac: 1.000 **Analyzed:** 08/06/24

513457-004 Analyte	Result	RL	Units
Lead	**14**	0.50	ug/ft2

Field ID: DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB **Batch#:** 346979 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 08/05/24 **Analysis:** EPA 6010B
Lab ID: 513457-005 **Received:** 08/05/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 08/06/24
Diln Fac: 1.000 **Analyzed:** 08/06/24

513457-005 Analyte	Result	RL	Units
Lead	**13**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 513457 **Project#:** 20-10491

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

Field ID:	DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	**Batch#:**	346979	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	08/05/24	**Analysis:**	EPA 6010B
Lab ID:	513457-006	**Received:**	08/05/24	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	08/06/24		
Diln Fac:	1.000	**Analyzed:**	08/06/24		

513457-006 Analyte	Result	RL	Units
Lead	**38**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	346979	**Analysis:**	EPA 6010B
Lab ID:	QC1175716	**Prepared:**	08/06/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	08/06/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1175716 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 513457 **Project#:** 20-10491

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

Type: BS **Batch#:** 346979 **Analysis:** EPA 6010B

Lab ID: QC1175717 **Prepared:** 08/06/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/06/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1175717 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.40	107	80-120	ug/ft2

Type: BSD **Batch#:** 346979 **Analysis:** EPA 6010B

Lab ID: QC1175718 **Prepared:** 08/06/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 08/06/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1175718 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.26	107	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

Attachment 4

ProUCL Input and Output Files

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 8
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
DOOR-S-15.1GE-EXT-3 TO 4-240702-CB	6.8	1
DOOR-S-15.3GE-DG-4 TO 17-240702-LA	11	1
DOOR-S-15.3GE-PS-17-240627-G	140	1
DOOR-S-15.4GE-PS-17-240702-G	4.2	1
DOOR-S-15.1GE-DG-3 TO 17-240702-LA	6.0	1
DOOR-S-15.2GE-PS-17-240702-G	4.9	1
DOOR-S-15.4GE-INT-16 TO 17-240702-CB	26	1
DOOR-S-15.2GE-EXT-2 TO 3-240627-CB	180	1
DOOR-S-15.3GE-DG-3 TO 16-240702-LA	9.8	1
DOOR-S-15.4GE-EXT-2 TO 3-240627-CB	190	1
DOOR-S-15.3GE-DG-2 TO 16-240702-LA	11	1
DOOR-S-15.2GE-PS-16-240702-G	5.2	1
AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-SS	120	1
AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-SS	11	1
AFRAME-SGE-LAT-L1-HS-3-240627-A	79	1
AFRAME-SGE-MED-L1-HS-3-240627-A	150	1
DOOR-S-15.2GE-DG-1 TO 2-240702-LA	14	1
DOOR-S-15.3GE-INT-1 TO 16-240627-DUP-CB	220	1
DOOR-S-15.4GE-INT-1 TO 16-240627-CB	43	1
AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-SS	60	1
DOOR-S-15.6GW-DG-4 TO 17-240718-LA	440	1
DOOR-S-15.4GW-EXT-3 TO 4-240718-CB	250	1
DOOR-S-15.2GW-DG-4 TO 17-240718-LA	300	1
DOOR-S-15.1GW-INT-17 TO 18-240718-CB	190	1
DOOR-S-15.6GW-PS-17-240718-LA	360	1
DOOR-S-15.2GW-EXT-3 TO 4-240718-CB	230	1
DOOR-S-15.5GW-PS-17-240718-G	140	1
DOOR-S-15.2GW-PS-17-240718-G	230	1
DOOR-S-15.6GW-DG-3 TO 16-240718-G	160	1
DOOR-S-15.5GW-INT-16 TO 17-240718-CB	130	1
DOOR-S-15.4GW-DG-3 TO 16-240718-LA	320	1
DOOR-S-15.3GW-DG-3 TO 16-240718-LA	260	1
DOOR-S-15.2GW-INT-16 TO 17-240718-CB	360	1
DOOR-S-15.1GW-ENT-2 TO 3-240718-CB	160	1
DOOR-S-15.6GW-PS-16-240718-G	220	1
DOOR-S-15.4GW-PS-16-240718-G	250	1
AFRAME-SGW-LAT-L1-HS-3-240718-A	180	1
AFRAME-SGW-MED-L1-HS-3-240718-A	140	1
AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-SS	170	1
AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-SS	230	1

Sample ID	LeadResults	d_LeadResults
DOOR-S-15.1GW-DG-1 TO 2-240718-LA	360	1
DOOR-S-15.4GW-INT-1 TO 16-240718-CB	190	1
AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-SS	200	1
DOOR-S-15.5GW-DG-1 TO 2-240718-LA	240	1
DOOR-S-15.9GE-DG-4 TO 17-240731-LA	75	1
DOOR-S-15.5GE-PS-17-240731-G	82	1
DOOR-S-15.7GE-PS-17-240731-G	59	1
DOOR-S-15.8GE-PS-17-240731-G	240	1
DOOR-S-15.9GW-PS-17-240731-G	160	1
DOOR-S-15.7GW-PS-17-240731-G	190	1
DOOR-S-15.6GE-DG-3 TO 16-240731-LA	340	1
DOOR-S-15.8GE-INT-16 TO 17-240731-CB	150	1
DOOR-S-15.9GW-DG-3 TO 16-240731-LA	290	1
DOOR-S-15.8GW-DG-3 TO 16-240805-LA	10	1
DOOR-S-15.7GW-EXT-2 TO 3-240805-CB	11	1
DOOR-S-15.5GE-PS-16-240731-LA	350	1
DOOR-S-15.7GW-PS-16-240731-LA	320	1
DOOR-S-15.7GE-EXT-2 TO 3-240731-CB	290	1
DOOR-S-15.6GE-PS-16-240805-G	16	1
DOOR-S-15.8GE-PS-16-240731-G	330	1
DOOR-S-15.9GE-INT-1 TO 16-240805-CB	14	1
DOOR-S-15.8GW-PS-16-240731-G	360	1
DOOR-S-15.7GE-INT-1 TO 16-240731-CB	130	1
DOOR-S-15.8GE-INT-1 TO 16-240731-CB	310	1
DOOR-S-15.9GE-INT-1' TO 2-240731-LA	380	1
DOOR-S-15.9GW-INT-1 TO 16-240731-CB	130	1
DOOR-S-15.8GW-DG-1' TO 2-240731-LA	230	1
DOOR-S-15.7GW-DG-1' TO 2-240805-LA	38	1
DOOR-S-15.6GE-INT-1 TO 16-240731-CB	410	1
DOOR-S-15.5GE-INT-17 TO 18-240731-CB	51	1
DOOR-S-15.6GE-EXT-3 TO 4-240731-CB	77	1
DOOR-S-15.8GE-DG-4 TO 17-240731-LA	85	1
DOOR-S-15.7GW-DG-4 TO 17-240731-LA	100	1
DOOR-S-15.8GW-EXT-3 TO 4-240731-CB	160	1

Attachment 4
Data Summary Submittal for the
High Occupancy Area of Zone 8
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 9/17/2024 3:41:18 PM
From File	Z8_HO_Lead_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	74	Number of Distinct Observations	47
		Number of Missing Observations	0
Minimum	4.2	Mean	167.4
Maximum	440	Median	160
SD	121.6	Std. Error of Mean	14.13
Coefficient of Variation	0.726	Skewness	0.299

Normal GOF Test		
Shapiro Wilk Test Statistic	0.926	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	2.3494E-4	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.0897	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.119	Data appear Normal at 1% Significance Level
Data appear Approximate Normal at 1% Significance Level		

Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	191	95% Adjusted-CLT UCL (Chen-1995)	191.2
		95% Modified-t UCL (Johnson-1978)	191.1

Gamma GOF Test		
A-D Test Statistic	2.531	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.779	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.166	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.107	Data Not Gamma Distributed at 5% Significance Level
Data Not Gamma Distributed at 5% Significance Level		

Gamma Statistics			
k hat (MLE)	1.079	k star (bias corrected MLE)	1.045
Theta hat (MLE)	155.1	Theta star (bias corrected MLE)	160.3
nu hat (MLE)	159.7	nu star (bias corrected)	154.6
MLE Mean (bias corrected)	167.4	MLE Sd (bias corrected)	163.8
		Approximate Chi Square Value (0.05)	126.9
Adjusted Level of Significance	0.0468	Adjusted Chi Square Value	126.4

Attachment 4
Data Summary Submittal for the High Occupancy Area of Zone 8
ProUCL Lead Output File

Assuming Gamma Distribution			
95% Approximate Gamma UCL	204	95% Adjusted Gamma UCL	204.8
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.826	**Shapiro Wilk Lognormal GOF Test**	
10% Shapiro Wilk P Value	5.507E-12	Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.218	**Lilliefors Lognormal GOF Test**	
10% Lilliefors Critical Value	0.0943	Data Not Lognormal at 10% Significance Level	
Data Not Lognormal at 10% Significance Level			

Lognormal Statistics			
Minimum of Logged Data	1.435	Mean of logged Data	4.59
Maximum of Logged Data	6.087	SD of logged Data	1.317

Assuming Lognormal Distribution			
95% H-UCL	349.3	90% Chebyshev (MVUE) UCL	366.5
95% Chebyshev (MVUE) UCL	428.5	97.5% Chebyshev (MVUE) UCL	514.6
99% Chebyshev (MVUE) UCL	683.7		

Nonparametric Distribution Free UCL Statistics
Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs			
95% CLT UCL	190.7	95% BCA Bootstrap UCL	191
95% Standard Bootstrap UCL	191	95% Bootstrap-t UCL	191.9
95% Hall's Bootstrap UCL	191.5	95% Percentile Bootstrap UCL	190.8
90% Chebyshev(Mean, Sd) UCL	209.8	95% Chebyshev(Mean, Sd) UCL	229
97.5% Chebyshev(Mean, Sd) UCL	255.7	99% Chebyshev(Mean, Sd) UCL	308

Suggested UCL to Use			
95% Student's-t UCL	191		

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 8
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
DOOR-S-15.1GE-EXT-3 TO 4-240708-CB	<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
DOOR-S-15.3GE-DG-4 TO 17-240708-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
DOOR-S-15.3GE-PS-17-240708-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
DOOR-S-15.4GE-PS-17-240708-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
DOOR-S-15.1GE-DG-3 TO 17-240708-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
DOOR-S-15.6GW-DG-4 TO 17-240718-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
DOOR-S-15.4GW-EXT-3 TO 4-240718-CB	<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
DOOR-S-15.2GW-DG-4 TO 17-240718-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
DOOR-S-15.1GW-INT-17 TO 18-240718-CB	<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
DOOR-S-15.6GW-PS-17-240718-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
DOOR-S-15.5GE-INT-17 TO 18-240731-CB	<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
DOOR-S-15.6GE-EXT-3 TO 4-240731-CB	<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
DOOR-S-15.8GE-DG-4 TO 17-240731-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
DOOR-S-15.7GW-DG-4 TO 17-240731-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
DOOR-S-15.8GW-EXT-3 TO 4-240731-CB	<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

Attachment 4
Data Summary Submittal for the High Occupancy Area of Zone 8
ProUCL PCB Output File

Nonparametric UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 9/5/2024 4:09:59 PM
From File	Z8_HO_PCB_UCL_Input.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	15
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	15
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	15
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	15
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	15
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	15
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	15
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	15
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	15
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

July 31, 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 July 11, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59343:

SDG #	**Fraction**
510949, 510950, 510951, 511162, 511383, 511384, 511385, 511602, 511603	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

EDD LDC #59343 (Rincon Consultants, Inc. - Los Angeles, CA / NAS Moffett Field, Hangar 1 NTCRA) Project# 20-10491

LDC	SDG#	Received Date	(3) Due Date	Validation Level	PCBs (EPA 8082)	Pb (EPA 6010B)					
Matrix Type:					WP	WP					
A	510949	7/11/24	8/1/24	Stage 2A	0	3					
B	510950	7/11/24	8/1/24	Stage 3	0	5					
C	510951	7/11/24	8/1/24	Stage 3	0	6					
D	511162	7/11/24	8/1/24	Stage 2A	0	18					
E	511383	7/11/24	8/1/24	Stage 3	0	1					
F	511384	7/11/24	8/1/24	Stage 2A	0	7					
G	511385	7/11/24	8/1/24	Stage 3	0	5					
H	511602	7/11/24	8/1/24	Stage 3	7	0					
I	511603	7/11/24	8/1/24	Stage 3	5	0					
Total	PM: MG				**12**	**45**					

These sample counts do not include DLs, REs, MS/MSD, and DUPs.

LDC Report# 59343

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

510949
510950
510951
511162
511383
511384
511385
511602
611603

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 8.

July 30, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the June through July 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
An initial calibration was performed as required by the method.

For analytes where average calibration factors were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

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.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One field blank was collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. No contaminants were found.

Two field blanks were collected and analyzed. The 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
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Four field duplicate pairs were collected and analyzed. The 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 (7/30/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 510949						
Method: 6010B						
240627-L-FIELDBLANK1-LO	510949-003	WIPE	FB	3050B	6/27/2024 7:31:00 AM	S2AVE
240627-L-MEDBLANK1-LO	510949-004	WIPE	FB	3050B	6/27/2024 11:06:00 AM	S2AVE
ARCH-SGE-INT-8 TO 9-240627-L-CB	510949-002	WIPE	N	3050B	6/27/2024 9:00:00 AM	S2AVE
DOOR-S-15.4GE-INT-18 TO 19-240627-L-CB	510949-001	WIPE	N	3050B	6/27/2024 8:50:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 510950						
Method: 6010B						
ARCH-SGE-DG-6 TO 16-240627-L-LA	510950-004	WIPE	N	3050B	6/27/2024 7:50:00 AM	S3VEM
DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB	510950-008	WIPE	N	3050B	6/27/2024 8:20:00 AM	S3VEM
DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB	510950-009	WIPE	FD	3050B	6/27/2024 8:20:00 AM	S3VEM
DOOR-S-15.2GE-PS-19-240627-L-G	510950-011	WIPE	N	3050B	6/27/2024 8:35:00 AM	S3VEM
DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA	510950-006	WIPE	N	3050B	6/27/2024 8:10:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 510951						
Method: 6010B						
DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	510951-012	WIPE	N	3050B	6/27/2024 9:40:00 AM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB	510951-003	WIPE	N	3050B	6/27/2024 9:15:00 AM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA	510951-006	WIPE	FD	3050B	6/27/2024 9:25:00 AM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	510951-005	WIPE	N	3050B	6/27/2024 9:25:00 AM	S3VEM
DOOR-S-15.3GE-PS-17-240627-L-G	510951-008	WIPE	N	3050B	6/27/2024 9:55:00 AM	S3VEM
DOOR-S-15.4GE-PS-17-240627-L-G	510951-010	WIPE	N	3050B	6/27/2024 10:00:00 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*
Lab Reporting Batch: 511162						
Method: 6010B						
240627-L-FIELDBLANK1-HO	511162-017	WIPE	FB	3050B	6/27/2024 7:30:00 AM	S2AVE
240627-L-MEDBLANK1-HO	511162-018	WIPE	FB	3050B	6/27/2024 11:04:00 AM	S2AVE
AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS	511162-016	WIPE	N	3050B	6/27/2024 10:00:00 AM	S2AVE
AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-L-SS	511162-008	WIPE	N	3050B	6/27/2024 9:10:00 AM	S2AVE
AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-L-SS	511162-009	WIPE	N	3050B	6/27/2024 9:15:00 AM	S2AVE
AFRAME-SGE-LAT-L1-HS-3-240627-L-A	511162-010	WIPE	N	3050B	6/27/2024 8:50:00 AM	S2AVE
AFRAME-SGE-MED-L1-HS-3-240627-L-A	511162-011	WIPE	N	3050B	6/27/2024 9:00:00 AM	S2AVE
DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA	511162-012	WIPE	N	3050B	6/27/2024 9:50:00 AM	S2AVE
DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB	511162-003	WIPE	N	3050B	6/27/2024 7:50:00 AM	S2AVE
DOOR-S-15.2GE-PS-16-240627-L-G	511162-007	WIPE	N	3050B	6/27/2024 8:40:00 AM	S2AVE
DOOR-S-15.2GE-PS-17-240627-L-CB	511162-001	WIPE	N	3050B	6/27/2024 7:30:00 AM	S2AVE
DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA	511162-006	WIPE	N	3050B	6/27/2024 8:30:00 AM	S2AVE
DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA	511162-004	WIPE	N	3050B	6/27/2024 8:00:00 AM	S2AVE
DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-013	WIPE	N	3050B	6/27/2024 9:37:00 AM	S2AVE
DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-CB	511162-014	WIPE	FD	3050B	6/27/2024 9:37:00 AM	S2AVE
DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB	511162-005	WIPE	N	3050B	6/27/2024 8:15:00 AM	S2AVE
DOOR-S-15.4GE-INT-1 TO 16-240627-L-CB	511162-015	WIPE	N	3050B	6/27/2024 9:30:00 AM	S2AVE
DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB	511162-002	WIPE	N	3050B	6/27/2024 8:10:00 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: 511383						
Method: 6010B						
DOOR-S-15.5GE-PS-21-240702-L-G	511383-001	WIPE	N	~~3050B~~	~~7/2/2024 1:20:00 PM~~	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

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: 511384						
Method: 6010B						
AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-L-SS	511384-006	WIPE	N	3050B	7/2/2024 1:50:00 PM	S2AVE
DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA	511384-007	WIPE	N	3050B	7/2/2024 2:00:00 PM	S2AVE
DOOR-S-15.2GE-PS-16-240702-L-G	511384-005	WIPE	N	3050B	7/2/2024 1:40:00 PM	S2AVE
DOOR-S-15.2GE-PS-17-240702-L-G	511384-001	WIPE	N	3050B	7/2/2024 2:05:00 PM	S2AVE
DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA	511384-004	WIPE	N	3050B	7/2/2024 1:35:00 PM	S2AVE
DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA	511384-003	WIPE	N	3050B	7/2/2024 1:25:00 PM	S2AVE
DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB	511384-002	WIPE	N	3050B	7/2/2024 1:20:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 511385						
Method: 6010B						
DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA	511385-005	WIPE	N	3050B	7/2/2024 2:15:00 PM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB	511385-001	WIPE	N	3050B	7/2/2024 1:37:00 PM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA	511385-003	WIPE	FD	3050B	7/2/2024 1:45:00 PM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	511385-002	WIPE	N	3050B	7/2/2024 1:45:00 PM	S3VEM
DOOR-S-15.4GE-PS-17-240702-L-G	511385-004	WIPE	N	3050B	7/2/2024 2:25:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 511602						
Method: 8082						
240708-P-FIELDBLANK1-HO	511602-007	WIPE	FB	3546	7/8/2024 2:20:00 PM	S3VEM
DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA	511602-006	WIPE	N	3546	7/8/2024 2:05:00 PM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB	511602-001	WIPE	N	3546	7/8/2024 1:50:00 PM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP-CB	511602-002	WIPE	FD	3546	7/8/2024 1:50:00 PM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA	511602-003	WIPE	N	3546	7/8/2024 1:55:00 PM	S3VEM
DOOR-S-15.3GE-PS-17-240708-P-G	511602-004	WIPE	N	3546	7/8/2024 2:10:00 PM	S3VEM
DOOR-S-15.4GE-PS-17-240708-P-G	511602-005	WIPE	N	3546	7/8/2024 2:15:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 511603						
Method: 8082						
ARCH-SGE-DG-6 TO 16-240708-P-LA	511603-002	WIPE	N	3546	7/8/2024 1:15:00 PM	S3VEM
DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB	511603-004	WIPE	N	3546	7/8/2024 1:25:00 PM	S3VEM
DOOR-S-15.2GE-PS-19-240708-P-G	511603-005	WIPE	N	3546	7/8/2024 1:30:00 PM	S3VEM
DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA	511603-003	WIPE	N	3546	7/8/2024 1:20:00 PM	S3VEM
DOOR-S-15.5GE-PS-21-240708-P-G	511603-001	WIPE	N	3546	7/8/2024 1:05:00 PM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024) **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: 510949

EDD Filename: 510949

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 510950
EDD Filename: 510950

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 510951
EDD Filename: 510951

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511383
EDD Filename: 511383

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511384
EDD Filename: 511384

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511385

EDD Filename: 511385

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511602
EDD Filename: 511602

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511603
EDD Filename: 511603

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

~~510949~~

SDG# 510949 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343A4b
SDG #: 510949
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: BM
2nd Reviewer: MG

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB=3 Medblank= 4
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Target analyte quantitation	A	
X	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.4GE-INT-18 TO 19-240627-L-CB	510949-001		Wipe	06/27/24	Stage 2A
2	ARCH-SGE-INT-8 TO 9-240627-L-CB	510949-001		Wipe	06/27/24	Stage 2A
3	240627-L-FIELDBLANK1-LO	510949-001	FB	Wipe	06/27/24	Stage 2A
4	240627-L-MEDBLANK1-LO	510949-004	FB	Wipe	06/27/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 510949

Laboratory: Enthalpy Orange

EDD Filename: Prep510949

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240627-L-FIELDBLANK1-LO	1.5	No Qualifiers Applied

Quality Control Outlier Reports

~~510950~~

SDG# 510950 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343B4b
SDG #: 510950
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BM

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(3,4)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	ARCH-SGE-DG-6 TO 16-240627-L-LA	510950-004		Wipe	06/27/24	Stage 3
2	DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA	510950-006		Wipe	06/27/24	Stage 3
2	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB	510950-008	FD	Wipe	06/27/24	Stage 3
4	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUPCB	510950-009	FD	Wipe	06/27/24	Stage 3
1	DOOR-S-15.2GE-PS-19-240627-L-G	510950-011		Wipe	06/27/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All samples	Water	6010B	Pb

Comments:

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?			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	

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			

Field Duplicate RPD Report

Lab Reporting Batch ID: 510950 **Laboratory: Enthalpy Orange**

EDD Filename: 510950 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB			
LEAD	280	300	7	100.00	No Qualifiers Applied

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)
	3	4		
Lead	280	300	7	

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	1.008	1.000	101	101	Y
CCV	ICP	↓	0.9871	1.000	99	99	Y
LLCC	ICP						
ICSAB	ICP	↓	0.94	1.000	94	94	Y

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	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1165893	LCS	Pb	51.74	50	103	103	Y
NA	MS	Pb					
QC1165893/94	Duplicate	Pb	51.74	51.12	1	1	Y
NA	PDS	Pb					
NA	Serial dilution	Pb					Y

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 (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	3.013	1	1.0875	50	140	139	Y
2	↓	6.268	1	1.0276	50	300	305	Y
3	↓	5.517	1	1	50	280	276	Y
4	↓	6.03	1	1	50	200	302	Y
5	↓	2.375	1	1.0828	50	110	110	Y

Quality Control
Outlier Reports

510951

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343C4b
SDG #: 510951
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BM

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(2,3)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
	DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB	510951-003		Wipe	06/27/24	Stage 3
2	DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	510951-005	FD	Wipe	06/27/24	Stage 3
3	DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA	510951-006	FD	Wipe	06/27/24	Stage 3
4	DOOR-S-15.3GE-PS-17-240627-L-G	510951-008		Wipe	06/27/24	Stage 3
5	DOOR-S-15.3GE-PS-17-240627-L-G	510951-010		Wipe	06/27/24	Stage 3
6	DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	510951-012		Wipe	06/27/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All Samples	Water	6010B	Pb

Comments:

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?			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	

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			

Field Duplicate RPD Report

Lab Reporting Batch ID: 510951 **Laboratory: Enthalpy Orange**

EDD Filename: 510951 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	**DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-**			
LEAD	270	190	35	100.00	No Qualifiers Applied

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)
	2	3		
Lead	270	190	35	

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	1.008	1.000	101	101	Y
CCV	ICP	↓	0.9842	1.000	98	98	Y
LLCC	ICP						Y
ICSAB	ICP	↓	0.94	1	94	94	Y

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	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1165893	LCS	Pb	51.74	50.0	103	103	Y
NA	MS	Pb			NA	NA	
QC1165893/94	Duplicate	Pb	51.74	51.12	1	1	Y
NA	PDS	Pb			NA	NA	
NA	Serial dilution	Pb			NA	NA	

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 (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	7.454	1	1	50	370	373	Y
2	↓	5.462	1	1.0276	50	370	266	Y
3	↓	3.827	1	1.0276	50	190	186	Y
4	↓	3.138	1	1.0828	50	140	145	Y
5	↓	7.482	1	1.0828	50	350	345	Y
6	↓	7.831	1	1.0276	50	380	381	Y

Quality Control
Outlier Reports

511162

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343D4b
SDG #: 511162
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: MG

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB= 17 Medblank= 18
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	SW	(13,14)
IX	Target analyte quantitation	A	
X	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.2GE-PS-17-240627-L-CB	511162-001		Wipe	06/27/24	Stage 2A
2	DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB	511162-001		Wipe	06/27/24	Stage 2A
3	DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB	511162-003		Wipe	06/27/24	Stage 2A
4	DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA	511162-004		Wipe	06/27/24	Stage 2A
5	DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB	511162-005		Wipe	06/27/24	Stage 2A
6	DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA	511162-004		Wipe	06/27/24	Stage 2A
5	DOOR-S-15.2GE-PS-16-240627-L-G	511162-005		Wipe	06/27/24	Stage 2A
8	AFRAME-C14E-MED-L1-UP-C14.1-DG- 240627-L-SS	511162-008		Wipe	06/27/24	Stage 2A
9	AFRAME-C14E-MED-L1-UP-C14.6-DG- 240627-L-SS	511162-009		Wipe	06/27/24	Stage 2A
10	AFRAME-SGE-LAT-L1-HS-3-240627-L-A	511162-010		Wipe	06/27/24	Stage 2A
11	AFRAME-SGE-MED-L1-HS-3-240627-L-A	511162-011		Wipe	06/27/24	Stage 2A
12	DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA	511162-005		Wipe	06/27/24	Stage 2A
13	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-013	FD	Wipe	06/27/24	Stage 2A
14	DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP- CB	511162-009	FD	Wipe	06/27/24	Stage 2A
15	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-005		Wipe	06/27/24	Stage 2A
16	AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS	511162-016		Wipe	06/27/24	Stage 2A
17	240627-L-FIELDBLANK1-HO	511162-017	FB	Wipe	06/27/24	Stage 2A
18	240627-L-MEDBLANK1-HO	511162-018	FB	Wipe	06/27/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 511162

Laboratory: Enthalpy Orange

EDD Filename: Prep511162

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240627-L-FIELDBLANK1-HO	1.0	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 511162 **Laboratory: Enthalpy Orange**

EDD Filename: 511162 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-			
LEAD	150	220	38	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control Outlier Reports

~~511383~~

(No Outliers)

SDG# 511383 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343E4b
SDG #: 511383
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BN

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	N	
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-PS-21-240702-L-G	511383-001		Wipe	07/02/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All Samples	Water	6010B	Pb

Comments:

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?			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	

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			

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	1.072	1.000	107	107	Y
CCV	ICP	Pb	1.081	1.000	108	108	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.06	1.000	106	106	Y

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	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1166773	LCS	Pb	55.19	50	110	110	Y
NA	MS				NA	NA	
QC1166773/74	Duplicate	Pb	55.19	54.22	2	2	Y
NA	PDS				NA	NA	
NA	Serial dilution				NA	NA	

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 (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	0.2503	1	1.03	50	12	12	Y

Quality Control
Outlier Reports

511384

(No Outliers)

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343F4b
SDG #: 511384
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: MM
2nd Reviewer: MG

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	N	
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Target analyte quantitation	A	
X	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.2GE-PS-17-240702-L-G	511384-001		Wipe	07/02/24	Stage 2A
1	DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB	511384-001		Wipe	07/02/24	Stage 2A
3	DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA	511384-001		Wipe	07/02/24	Stage 2A
4	DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA	511384-004		Wipe	07/02/24	Stage 2A
3	DOOR-S-15.2GE-PS-17-240702-L-G	511384-001		Wipe	07/02/24	Stage 2A
6	AFRAME-C14E-MED-L1-UP-C14.6-DG- 240702-L-SS	511384-006		Wipe	07/02/24	Stage 2A
7	DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA	511384-001		Wipe	07/02/24	Stage 2A

Notes:

Quality Control
Outlier Reports

511385

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343G4b
SDG #: 511385
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer:

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(2,3)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB	511385-001		Wipe	07/02/24	Stage 3
2	DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	511385-001		Wipe	07/02/24	Stage 3
1	DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA	511385-003		Wipe	07/02/24	Stage 3
4	DOOR-S-15.4GE-PS-17-240702-L-G	511385-004		Wipe	07/02/24	Stage 3
5	DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA	511385-003		Wipe	07/02/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All Samples	Water	6010B	Pb

Comments:

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?			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	

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			

Field Duplicate RPD Report

Lab Reporting Batch ID: 511385 **Laboratory: Enthalpy Orange**

EDD Filename: 511385 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-			
LEAD	11	4.6	82	100.00	No Qualifiers Applied

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	2	3		
Lead	11	4.6	82	

VALIDATION FINDINGS CHECKLIST

Quality Control Sample Recalculations

Reviewer: JC

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)
QC1166773	LCS	Pb	55.19	50.00	110	110	Y
NA	MS			NA	NA		
QC1166773/74	Duplicate	Pb	55.19	54.22	2	2	Y
NA	PDS			NA	NA		
NA	Serial dilution			NA	NA		

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	1.072	1.000	107	107	Y
CCV	ICP	↓	1.081	1.000	108	108	Y
LLCC	ICP	↓					
ICSAB	ICP	↓	1.06	1.000	108	108	

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 (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	0.135	1	1	50	6.8	6.8	Y
2	↓	0.22	1	1.0276	50	11	11	Y
3	↓	0.09452	1	1.0276	50	4.6	4.6	Y
4	↓	0.08547	1	1.0276	50	4.2	4.2	Y
5	↓	0.1231	1	1.0276	50	6.0	6.0	Y

Quality Control Outlier Reports

511602

(No Outliers)

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343H3b
SDG #: 511602
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/16/2024
Page: 1 of 1
Reviewer:
2nd Reviewer:

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 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		
II	Initial calibration / ICV	A/A	%RSD ≤ 20, r² ICV ≤ 15
III	Continuing calibration	A	CCV ≤ 15
IV	Laboratory Blanks	A	
V	Field blanks	ND	FB = 7
VI	Surrogate spikes / LS	A/A	
VII	Matrix spike/Matrix spike duplicates	N	CS
VIII	Laboratory control samples	A	LCS 1D
IX	Field duplicates	N	D = 1,2
X	Target analyte quantitation	A	
XI	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB	511602-001	FD	Wipe	07/08/24	Stage 3
2	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP- CB	511602-002	FD	Wipe	07/08/24	Stage 3
1	DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA	511602-003		Wipe	07/08/24	Stage 3
4	DOOR-S-15.3GE-PS-17-240708-P-G	511602-004		Wipe	07/08/24	Stage 3
1	DOOR-S-15.4GE-PS-17-240708-P-G	511602-001		Wipe	07/08/24	Stage 3
6	DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA	511602-001		Wipe	07/08/24	Stage 3
	240708-P-FIELDBLANK1-HO	511602-003	FB	Wipe	07/08/24	Stage 3

Notes: 344625

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59343H3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: PM

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%? PM	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20~~ 15%? PM	✓			
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?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	~~✓~~ PT		✓	all ND
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:_____

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	6/28/2024	Aroclor 1260-1 ChA	0.0504	0.0504	0.0536	0.0536	18	18
	GC07		Aroclor 1260-1 ChB	0.0601	0.0601	0.0579	0.0579	18	18

LDC #: 59343H3b

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	7/9/24 1756	Aroclor 1260 chA	5080	490.2	490.2	2	2
			chB	500.0	461.1	461.1	8	8
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 #: 59343#36

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	41.597U	83	83	0
PCB	↓	↓	39.9603	80	80	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 #: 59343H3b

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: 342625 LCS 1P

Compound	Spike Added (ug/100 cm2)		Spike Sample Concentration (ug/100 cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.625	4.367	93	93	87	87	6	6

Comments: _____

LDC #: 59343 H3b

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. 344625 LCS Aroclor 1260

Concentration = $\frac{462.5\ (10)}{(1)\ (1000)}$ =

= 4.625 ug/100 cm²

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LCS	Aroclor 1260	4.625	4.625	
	Aroclor 1260-1=	$\frac{88023333.75\ (20.0)}{61214533.76\ (0.0579)}$ = 497		1260-1 = 497.0	
				2 466.5	
				3 524.6	
				4 421.7	
				5 402.9	
				462.5	

Comments: _____

Quality Control Outlier Reports

~~511603~~

(No Outliers)

SDG# 511603 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343I3b
SDG #: 511603
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/16/2024
Page: 1 of 1
Reviewer:
2nd Reviewer: PT

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Initial calibration (1 ICV)	A/A	%D RSD ≤ 20, r2 ICV ≤ 15
III	Continuing calibration	A	CCV ≤ 15
IV	Laboratory Blanks	A	
V	Field blanks	ND	FB-240708-P-FIELD BLANK1-HO (511602)
VI	Surrogate spikes (1,5)	A/A	
VII	Matrix spike/Matrix spike duplicates	N	CS
VIII	Laboratory control samples	A	LCS ID
IX	Field duplicates	N	
X	Target analyte quantitation	A	
XI	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-PS-21-240708-P-G	511603-001		Wipe	07/08/24	Stage 3
2	ARCH-SGE-DG-6 TO 16-240708-P-LA	511603-002		Wipe	07/08/24	Stage 3
3	DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA	511603-001		Wipe	07/08/24	Stage 3
4	DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB	511603-004		Wipe	07/08/24	Stage 3
5	DOOR-S-15.2GE-PS-19-240708-P-G	511603-001		Wipe	07/08/24	Stage 3

Notes: 34462

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59743I3h

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FM

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%? FM	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20%~~ 15%?	✓			
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 #: 59343I36 **VALIDATION FINDINGS CHECKLIST** Page: 7 of 12
Reviewer: FM

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%?	✓ FM		✓	all ND
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 #: 59343I3b

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	6/28/2024	Aroclor 1016-1 ChA	0.0170	0.0170	0.0175	0.0175	15	15
	GC07		Aroclor 1016-1 ChB	0.0214	0.0214	0.0211	0.0211	18	18

LDC #: 59343I3b

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	7/9/24 1756	Aroclor 1016 ch A	500.0	494.8 ✓	494.8	1	1
			↓ ch B	↓	494.1	494.1	1	1
2								
							1	1
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 #: 59343I3b

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	40.8891	82	82	0
DCB	↓	↓	42.7515	86	86	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 #: 59343I3b

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: 344625- ves 10

Compound	Spike Added (ug/100g m²)		Spike Sample Concentration (ug/100) cm²		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.0	5.0	4.581	4.400	92	92	88	88	4	4

Comments: _____

LDC #: 59343I3b

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. 344625-lcs Aroclor 1016

Concentration = $\frac{458.76\ (10)}{(1)\ (1000)}$ =

4.582 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	4.581	4.582 ✓	
	Aroclo 1016-L=	3001623.457 (20.0)		1016-1 = 464.78	
		6121453.763 (0.0211)		2 = 485.1	
				3 = 419.5	
		= 464.78		4 = 451.8	
				5 = 469.8	
				458.176	

Comments: _____

LABORATORY DATA CONSULTANTS, INC.
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Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

September 5, 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 July 26, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59454_RV1:

SDG #	**Fraction**
512354	Polychlorinated Biphenyls, Lead
512355	
512356	
512437	

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

EDD LDC #59454 (Rincon Consultants, Inc. - Los Angeles, CA / NAS Moffett Field, Hangar 1 NTCRA) Project# 20-10491

LDC	SDG#	Received Date	(3) Due Date	Validation Level	PCBs (EPA 8082)	Pb (EPA 6010B)
Matrix Type:					WP	WP
A	512354	7/26/24	8/16/24	Stage 2A	0	5
B	512355	7/26/24	8/16/24	Stage 3	5	6
C	512356	7/26/24	8/16/24	Stage 3	7	6
D	512437	7/26/24	8/16/24	Stage 2A	0	25
Total	PM: MG				**12**	**42**

These sample counts do not include DLs, REs, MS/MSD, and DUPs.

LDC Report# 59454

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

512354
512355
512356
512437

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 8.

August 12, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July 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
An initial calibration was performed as required by the method.

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.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One field blank was collected and analyzed. No contaminants were found.

6010B
Three media blanks were collected and analyzed. No contaminants were found.

Three field blanks were collected and analyzed. The 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
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Four 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. The associated sample results were qualified as detected estimated (J) or non-detected estimated (UJ) as applicable. 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 (8/12/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 512354						
Method: 6010B						
240718-L-FIELDBLANK1-LO	512354-004	WIPE	FB	3050B	7/18/2024 7:22:00 AM	S2AVE
240718-L-MEDBLANK1-LO	512354-005	WIPE	FB	3050B	7/18/2024 11:35:00 AM	S2AVE
DOOR-S-15.1GW-DG-6 TO 19-240718-L-LA	512354-001	WIPE	N	3050B	7/18/2024 8:30:00 AM	S2AVE
DOOR-S-15.2GW-PS-19-240718-L-G	512354-002	WIPE	N	3050B	7/18/2024 8:40:00 AM	S2AVE
DOOR-S-15.6GW-INT-17 TO 18-240718-L-CB	512354-003	WIPE	N	3050B	7/18/2024 8:50:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 512355						
Method: 6010B						
ARCH-SGW-DG-5.5 TO 17-240718-L-LA	512355-004	WIPE	N	3050B	7/18/2024 7:40:00 AM	S3VEM
DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA	512355-007	WIPE	FD	3050B	7/18/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	512355-006	WIPE	N	3050B	7/18/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB	512355-011	WIPE	N	3050B	7/18/2024 8:20:00 AM	S3VEM
DOOR-S-15.4GW-PS-20-240718-L-G	512355-009	WIPE	N	3050B	7/18/2024 8:10:00 AM	S3VEM
DOOR-S-15.5GW-PS-21-240718-L-G	512355-002	WIPE	N	3050B	7/18/2024 7:30:00 AM	S3VEM
Method: 8082						
ARCH-SGW-DG-5.5 TO 17-240718-P-LA	512355-003	WIPE	N	3546	7/18/2024 7:40:00 AM	S3VEM
DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA	512355-005	WIPE	N	3546	7/18/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB	512355-010	WIPE	N	3546	7/18/2024 8:20:00 AM	S3VEM
DOOR-S-15.4GW-PS-20-240718-P-G	512355-008	WIPE	N	3546	7/18/2024 8:10:00 AM	S3VEM
DOOR-S-15.5GW-PS-21-240718-P-G	512355-001	WIPE	N	3546	7/18/2024 7:30:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 512356							
Method: 6010B							
DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	512356-010	WIPE	N	3050B		7/18/2024 9:00:00 AM	S3VEM
DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA	512356-007	WIPE	N	3050B		7/18/2024 9:10:00 AM	S3VEM
DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	512356-005	WIPE	N	3050B		7/18/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	512356-003	WIPE	FD	3050B		7/18/2024 9:30:00 AM	S3VEM
DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	512356-002	WIPE	N	3050B		7/18/2024 9:30:00 AM	S3VEM
DOOR-S-15.6GW-PS-17-240718-L-LA	512356-012	WIPE	N	3050B		7/18/2024 9:50:00 AM	S3VEM
Method: 8082							
240718-P-FIELDBLANK1-HO	512356-013	WIPE	FB		3546	7/18/2024 9:40:00 AM	S3VEM
DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	512356-008	WIPE	N		3546	7/18/2024 9:00:00 AM	S3VEM
DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB	512356-009	WIPE	FD		3546	7/18/2024 9:00:00 AM	S3VEM
DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA	512356-006	WIPE	N		3546	7/18/2024 9:10:00 AM	S3VEM
DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	512356-004	WIPE	N		3546	7/18/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	512356-001	WIPE	N		3546	7/18/2024 9:30:00 AM	S3VEM
DOOR-S-15.6GW-PS-17-240718-P-LA	512356-011	WIPE	N		3546	7/18/2024 9:50:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 512437						
Method: 6010B						
240718-L-FIELDBLANK1-HO	512437-021	WIPE	FB	3050B	7/18/2024 9:40:00 AM	S2AVE
240718-L-FIELDBLANK2-HO	512437-023	WIPE	FB	3050B	7/18/2024 7:20:00 AM	S2AVE
240718-L-MEDBLANK1-HO	512437-022	WIPE	FB	3050B	7/18/2024 11:40:00 AM	S2AVE
240718-L-MEDBLANK2-HO	512437-024	WIPE	FB	3050B	7/18/2024 11:45:00 AM	S2AVE
AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-L-SS	512437-020	WIPE	N	3050B	7/18/2024 10:35:00 AM	S2AVE
AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS	512437-016	WIPE	N	3050B	7/18/2024 9:25:00 AM	S2AVE
AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-L-SS	512437-017	WIPE	N	3050B	7/18/2024 9:30:00 AM	S2AVE
AFRAME-SGW-LAT-L1-HS-3-240718-L-A	512437-014	WIPE	N	3050B	7/18/2024 9:40:00 AM	S2AVE
AFRAME-SGW-MED-L1-HS-3-240718-L-A	512437-015	WIPE	N	3050B	7/18/2024 9:45:00 AM	S2AVE
DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA	512437-018	WIPE	N	3050B	7/18/2024 10:25:00 AM	S2AVE
DOOR-S-15.1GW-ENT-2 TO 3-240718-L-CB	512437-011	WIPE	N	3050B	7/18/2024 8:45:00 AM	S2AVE
DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB	512437-001	WIPE	N	3050B	7/18/2024 10:00:00 AM	S2AVE
DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP-CB	512437-002	WIPE	FD	3050B	7/18/2024 10:00:00 AM	S2AVE
DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB	512437-010	WIPE	N	3050B	7/18/2024 8:15:00 AM	S2AVE
DOOR-S-15.2GW-PS-17-240718-L-G	512437-004	WIPE	N	3050B	7/18/2024 7:30:00 AM	S2AVE
DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA	512437-009	WIPE	N	3050B	7/18/2024 8:10:00 AM	S2AVE
DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-LA	512437-008	WIPE	FD	3050B	7/18/2024 8:05:00 AM	S2AVE
DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	512437-007	WIPE	N	3050B	7/18/2024 8:05:00 AM	S2AVE
DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB	512437-019	WIPE	N	3050B	7/18/2024 10:15:00 AM	S2AVE
DOOR-S-15.4GW-PS-16-240718-L-G	512437-013	WIPE	N	3050B	7/18/2024 9:10:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA	512437-025	WIPE	N	3050B	7/18/2024 10:00:00 AM	S2AVE
DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB	512437-006	WIPE	N	3050B	7/18/2024 7:50:00 AM	S2AVE
DOOR-S-15.5GW-PS-17-240718-L-G	512437-003	WIPE	N	3050B	7/18/2024 7:35:00 AM	S2AVE
DOOR-S-15.6GW-DG-3 TO 16-240718-L-G	512437-005	WIPE	N	3050B	7/18/2024 7:45:00 AM	S2AVE
DOOR-S-15.6GW-PS-16-240718-L-G	512437-012	WIPE	N	3050B	7/18/2024 9:00:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024) **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: 512354
EDD Filename: 512354

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

SDG# 512355 does not contain samples collected within the High Occupancy Area of Zone 8.

Data Qualifier Summary

Lab Reporting Batch ID: 512355 **Laboratory: Enthalpy Orange**

EDD Filename: 512355 **eQAPP Name:**

Method Category: METALS

Method: 6010B ***Matrix:*** WIPE

Sample ID: DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA ***Collected:*** 7/18/2024 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*
LEAD	54		0.36	MDL	0.50	CRQL	ug/ft2	J	Fd

Sample ID: DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA ***Collected:*** 7/18/2024 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*
LEAD	240		0.36	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: 512355

Laboratory: Enthalpy Orange

EDD Filename: 512355

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: 512356
EDD Filename: 512356

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 512437

Laboratory: Enthalpy Orange

EDD Filename: 512437

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

~~512354~~

SDG# 512354 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454A4b
SDG #: 512354
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: MA

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB= 4 MEDBLANK= 5
IV	Matrix spike/Matrix spike duplicates	N	
V	Duplicate Sample Analysis	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.1GW-DG-6 TO 19-240718-L-LA	512354-001		Wipe	07/18/24	Stage 2A
1	DOOR-S-15.2GW-PS-19-240718-L-G	512354-001		Wipe	07/18/24	Stage 2A
1	DOOR-S-15.6GW-INT-17 TO 18-240718-L-CB	512354-003		Wipe	07/18/24	Stage 2A
4	240718-L-FIELDBLANK1-LO	512354-004	FB	Wipe	07/18/24	Stage 2A
5	240718-L-MEDBLANK1-LO	512354-005	FB	Wipe	07/18/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 512354

Laboratory: Enthalpy Orange

EDD Filename: Prep512354

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240718-L-FIELDBLANK1-LO	3.4	No Qualifiers Applied

Quality Control Outlier Reports

~~512355~~

SDG# 512355 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454B3b
SDG #: 512355
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: FT
2nd Reviewer: BM

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 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/D	FT
II	Initial calibration	D	%RSD/%D ≤ 20 ICV ≤ 15
III	Continuing calibration	D	CCV ≤ 15
IV	Laboratory Blanks	D	
V	Field blanks	ND	FB= 240718-P-FIELDBLANK1-HO (512356
VI	Surrogate spikes 1/5	A/D	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory control samples	D	LCS>1/7
IX	Field duplicates	N	
X	Target analyte quantitation	D	
XI	Target analyte identification	D	
XII	Overall assessment of data	D	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GW-PS-21-240718-P-G	512355-001		Wipe	07/18/24	Stage 3
2	ARCH-SGW-DG-5.5 TO 17-240718-P-LA	512355-003		Wipe	07/18/24	Stage 3
2	DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA	512355-005		Wipe	07/18/24	Stage 3
4	DOOR-S-15.4GW-PS-20-240718-P-G	512355-008		Wipe	07/18/24	Stage 3
5	DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB	512355-010		Wipe	07/18/24	Stage 3

345600

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59495436 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: RB

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%~~ RB 15%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20%~~ RB 15%?	✓			
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 #: 59454B3b **VALIDATION FINDINGS CHECKLIST** Page: 2 of 2
Reviewer: JM

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%?	✓			All ND
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:_____

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	6/28/2024	Aroclor 1016-1 ChA	0.0170	0.0170	0.0175	0.0175	16	16
	GC07		Aroclor 1016-1 ChB	0.0214	0.0214	0.0211	0.0211	18	18

LDC #: 59454B3b

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	7/22/24	Arodor 1016 ch A	500.0	492.2	492.2	2	2
		1036	Arodor 1016 ch B	500.0	517.6	517.6	4	4
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 #: 59454B3b

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	42.8919	86	86	0
DCB	↓	↓	51.2424	102	102	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 #: 59454B3b

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: 345600 lcs ID

Compound	Spike Added (ug/100gm) ✓		Spike Sample Concentration (ug/100gm) ✓		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.00	NA	4.469	NA	89	89				

Comments: _____

LDC #: 59454B3b

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. 345600-LCS Aroclor 1016

Concentration = $\frac{(446.9)(10)}{(1)(1000)}$ =

= 4.469 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	4.469	4.469	
	Aroclor 1016-1=	5353598.494 (20.0) / 11242878.150 (0.021)		1016-1 = 451.0	
				2 = 434.5	
				3 = 445.6	
		= 451.0		4 = 432.9	
				5 = 470.5	
				~~484.7~~ F7 446.9	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454B4b
SDG #: 512355
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer:

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(3,4)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GW-PS-21-240718-L-G	512355-002		Wipe	07/18/24	Stage 3
2	ARCH-SGW-DG-5.5 TO 17-240718-L-LA	512355-004		Wipe	07/18/24	Stage 3
2	DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	512355-004	FD	Wipe	07/18/24	Stage 3
4	DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA	512355-007	FD	Wipe	07/18/24	Stage 3
5	DOOR-S-15.4GW-PS-20-240718-L-G	512355-009		Wipe	07/18/24	Stage 3
6	DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB	512355-011		Wipe	07/18/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: JC

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

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?			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	

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			

Field Duplicate RPD Report

Lab Reporting Batch ID: 512355 **Laboratory: Enthalpy Orange**

EDD Filename: 512355 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-			
LEAD	240	54	127	100.00	J (all detects) UJ (all non-detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	3	4		
Lead	240	54	127	J/UJ/A

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	0.984	1	98	98	Y
CCV	ICP	Pb	1.029	1	103	103	Y
LLCC	ICP	Pb			NA	NA	
ICSAB	ICP	Pb	1.061	1	106	106	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%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	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1170952	LCS	Pb	52.53	50	105	105	Y
NA	MS	Pb			NA	NA	Y
QC1170952,53	Duplicate	Pb	52.53	51.21	3	3	Y
NA	PDS	Pb			NA	NA	
NA	Serial dilution	Pb			NA	NA	Y

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 (mL)	Reported Result (mg/ft^2)	Recalcuated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	1.511	1	1.0828	50	70	70	Y
2	↓	5.122	1	1.0414	50	250	246	Y
2	↓	4.968	1	1.0276	50	240	242	Y
4	↓	1.104	1	1.0276	50	54	54	Y
5	↓	2.381	1	1.0828	50	110	110	Y
6	↓	2.829	1	1	50	140	141	Y

Quality Control
Outlier Reports

512356

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454C3b
SDG #: 512356
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: FT
2nd Reviewer:

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 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	A	%RSD ≤ 20 ICV ≤ 15
III	Continuing calibration	A	CCV ≤ 15
IV	Laboratory Blanks	A	
V	Field blanks	ND	FB = 7
VI	Surrogate spikes	A/A	
VII	Matrix spike/Matrix spike duplicates	N	LCS
VIII	Laboratory control samples	A	LCS 1 D
IX	Field duplicates	ND	D = 4,5
X	Target analyte quantitation	A	
XI	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	512356-001		Wipe	07/18/24	Stage 3
2	DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	512356-001		Wipe	07/18/24	Stage 3
2	DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA	512356-006		Wipe	07/18/24	Stage 3
4	DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	512356-006	FD	Wipe	07/18/24	Stage 3
5	DOOR-S-15.1GW-INT-17 TO 18-240718-PDUP-CB	512356-009	FD	Wipe	07/18/24	Stage 3
6	DOOR-S-15.6GW-PS-17-240718-P-LA	512356-011		Wipe	07/18/24	Stage 3
7	240718-P-FIELDBLANK1-HO	512356-013	FB	Wipe	07/18/24	Stage 3

345600

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59494C3h

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT

Method: ✓ GC __ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ~~≤ 20%~~ FT 15%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ~~≤ 20%~~ FT 15%?	✓			
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 #: 94494C3b

VALIDATION FINDINGS CHECKLIST

Reviewer: BJ

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%?	✓			All ND
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:_____

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	6/28/2024	Aroclor 1260-1 ChA	0.0504	0.0504	0.0536	0.0536	18	18
	GC07		Aroclor 1260-1 ChB	0.0601	0.0601	0.0579	0.0579	18	18

LDC #: 59454C3b

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	7/22/24 1036	Aroclor 1260 ch A	500	543.9	543.9	9	9
			↓ B	↓	547.6	547.6	10	10
2	CCV	7/22/24 1905	↓	↓	561.8	561.8	12	12
					554.2	554.2	11	11
				↓				
3								
4			1					

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 #: 59454 C3b

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	42.9508	86	86	0
DCB	↓	↓	44.0920	88	88	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 #: 59494c3b

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: 345600 - lcs 1D

Compound	Spike Added (ug/100)cm²		Spike Sample Concentration (ug/100cm²		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.00	5.00	4.873	4.892	97	97	98	98	1	1

Comments: _____

LDC #: 59454C3b

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. 345600-2 (LCS) Aroclor 1260

Concentration = $\frac{4.84.24 \quad (10)}{(1) \quad (1000)}$ =

4.8424

#	Sample ID	Target analyte	Reported Concentrations (ug/100gm)	Recalculated Results Concentrations (ug/100gm)	Qualifications
	LCS	Aroclor 1260	4.843	4.8424	
					FT
	Aroclor 1260-1	= 16304257.4 (20.0) / 11242878.1 (0.0579)	= 501	1260-1 =	~~500~~ 501.0
				-2 =	501.7
				3 =	530.0
				4 =	425.0
				5 =	463.6
					484.24

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454C4b
SDG #: 512356
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer:

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(1,2)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	512356-002	FD	Wipe	07/18/24	Stage 3
2	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	512356-003	FD	Wipe	07/18/24	Stage 3
1	DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	512356-002		Wipe	07/18/24	Stage 3
1	DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA	512356-002		Wipe	07/18/24	Stage 3
5	DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	512356-010		Wipe	07/18/24	Stage 3
6	DOOR-S-15.6GW-PS-17-240718-L-LA	512356-012		Wipe	07/18/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

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?			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	

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?	Yes			
If the recoveries were outside the limits, was a reanalysis performed?	Yes			
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: 512356 **Laboratory: Enthalpy Orange**

EDD Filename: 512356 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-			
LEAD	440	290	41	100.00	No Qualifiers Applied

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	440	290	41	

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 (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	0.984	1	98	98	Y
CCV	ICP	Pb	1.038	1	104	104	Y
LLCC	ICP				NA	NA	
ICSAB	ICP	Pb	1.061	1	104	104	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST

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	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1170952	LCS	Pb	52.53	50	105	105	Y
NA	MS				NA	NA	
QC1170952,53	Duplicate	Pb	52.53	51.21	3	3	Y
NA	PDS				NA	NA	Y
NA	Serial dilution				NA	NA	

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)

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 (mL)	Reported Result (mg/ft^2)	Recalcuated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	4.493	2	1.0276	50	440	437	Y
2	↓	6.026	1	1.0276	50	290	293	Y
3	↓	5.073	1	1	50	250	254	Y
4	↓	6.139	1	1.0276	50	300	299	Y
5	↓	3.753	1	1	50	190	188	Y
6	↓	7.475	1	1.0276	50	380	364	Y

Quality Control
Outlier Reports

512437

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454D4b
SDG #: 512437
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: MM
2nd Reviewer: MG

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB= 21.23 MEDBLANK= 22.24
IV	Matrix spike/Matrix spike duplicates	N	
V	Duplicate Sample Analysis	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VII	Field duplicates	SW	FB 3/1, 8/7
IX	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB	512437-001	FD1	Wipe	07/18/24	Stage 2A
2	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP- CB	512437-002	FD1	Wipe	07/18/24	Stage 2A
3	DOOR-S-15.5GW-PS-17-240718-L-G	512437-002		Wipe	07/18/24	Stage 2A
4	DOOR-S-15.5GW-PS-17-240718-L-G	512437-004		Wipe	07/18/24	Stage 2A
5	DOOR-S-15.6GW-DG-3 TO 16-240718-L-G	512437-005		Wipe	07/18/24	Stage 2A
6	DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB	512437-006		Wipe	07/18/24	Stage 2A
7	DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	512437-002	FD2	Wipe	07/18/24	Stage 2A
8	DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP- LA	512437-008	FD2	Wipe	07/18/24	Stage 2A
9	DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA	512437-009		Wipe	07/18/24	Stage 2A
10	DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB	512437-010		Wipe	07/18/24	Stage 2A
11	DOOR-S-15.1GW-ENT-2 TO 3-240718-L-CB	512437-011		Wipe	07/18/24	Stage 2A
11	DOOR-S-15.6GW-PS-16-240718-L-G	512437-011		Wipe	07/18/24	Stage 2A
13	DOOR-S-15.6GW-PS-16-240718-L-G	512437-013		Wipe	07/18/24	Stage 2A
14	AFRAME-SGW-LAT-L1-HS-3-240718-L-A	512437-014		Wipe	07/18/24	Stage 2A
15	AFRAME-SGW-MED-L1-HS-3-240718-L-A	512437-015		Wipe	07/18/24	Stage 2A
16	AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS	512437-016		Wipe	07/18/24	Stage 2A
17	AFRAME-C14W-MED-L1-UP-C14.6-DG- 240718-L-SS	512437-017		Wipe	07/18/24	Stage 2A
18	DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA	512437-016		Wipe	07/18/24	Stage 2A
19	DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB	512437-013		Wipe	07/18/24	Stage 2A
10	AFRAME-C14W-MED-L1-DN-C14.7-DG- 240718-L-SS	512437-020		Wipe	07/18/24	Stage 2A
21	240718-L-FIELDBLANK1-HO	512437-021	FB	Wipe	07/18/24	Stage 2A
22	240718-L-MEDBLANK1-HO	512437-022	FB	Wipe	07/18/24	Stage 2A
22	240718-L-FIELDBLANK2-HO	512437-022	FB	Wipe	07/18/24	Stage 2A
24	240718-L-MEDBLANK2-HO	512437-024	FB	Wipe	07/18/24	Stage 2A
25	DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA	512437-025		Wipe	07/18/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 512437

Laboratory: Enthalpy Orange

EDD Filename: Prep512437

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240718-L-FIELDBLANK1-HO	6.9	No Qualifiers Applied
	240718-L-FIELDBLANK2-HO	4.6	

Field Duplicate RPD Report

Lab Reporting Batch ID: 512437 **Laboratory: Enthalpy Orange**

EDD Filename: 512437 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-	**DOOR-S-15.2GW-EXT-3 TO 4-240718-L-**			
LEAD	230	230	0	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	**DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-**			
LEAD	320	110	98	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

August 29, 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 August 12, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59499:

SDG #	**Fraction**
513148, 513149, 513150, 513228, 513457	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,



Michael Giangiordano
mgiangiordano@lab-data.com
Project Manager

EDD LDC #59499 (Rincon Consultants, Inc. - Los Angeles, CA / NAS Moffett Field, Hangar 1 NTCRA) Project# 20-10491

LDC	SDG#	Received Date	(3) Due Date	Validation Level	PCBs (EPA 8082)	Pb (EPA 6010B)
Matrix Type:					WP	WP
A	513148	8/12/24	9/3/24	Stage 2A	0	31
B	513149	8/12/24	9/3/24	Stage 2A	0	7
C	513150	8/12/24	9/3/24	Stage 3	7	6
D	513228	8/12/24	9/3/24	Stage 3	5	6
E	513457	8/12/24	9/3/24	Stage 2A	0	6
Total	PM: MG				**12**	**56**

These sample counts do not include DLs, REs, MS/MSD, and DUPs.

LDC Report# 59499

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

513148
513149
513150
513228
513457

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 8

August 29, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July through August 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.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One field blank was collected and analyzed. No contaminants were found.

6010B
Three media blanks were collected and analyzed. No contaminants were found.

Three 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.

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
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Five field duplicate pairs were collected and analyzed. Five field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. 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 (8/27/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 513148						
Method: 6010B						
240731-L-FIELDBLANK1-HO	513148-027	WIPE	FB	3050B	7/31/2024 10:15:00 AM	S2AVE
240731-L-FIELDBLANK2-HO	513148-029	WIPE	FB	3050B	7/31/2024 7:27:00 AM	S2AVE
240731-L-MEDBLANK1-HO	513148-028	WIPE	FB	3050B	7/31/2024 12:30:00 PM	S2AVE
240731-L-MEDBLANK2-HO	513148-030	WIPE	FB	3050B	7/31/2024 12:40:00 PM	S2AVE
DOOR-S-15.5GE-PS-16-240731-L-LA	513148-013	WIPE	N	3050B	7/31/2024 9:00:00 AM	S2AVE
DOOR-S-15.5GE-PS-17-240731-L-G	513148-002	WIPE	N	3050B	7/31/2024 10:20:00 AM	S2AVE
DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA	513148-008	WIPE	FD	3050B	7/31/2024 8:35:00 AM	S2AVE
DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	513148-007	WIPE	N	3050B	7/31/2024 8:35:00 AM	S2AVE
DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB	513148-031	WIPE	N	3050B	7/31/2024 11:20:00 AM	S2AVE
DOOR-S-15.6GE-PS-16-240731-L-G	513148-016	WIPE	N	3050B	7/31/2024 10:05:00 AM	S2AVE
DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB	513148-015	WIPE	N	3050B	7/31/2024 8:50:00 AM	S2AVE
DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB	513148-021	WIPE	N	3050B	7/31/2024 11:10:00 AM	S2AVE
DOOR-S-15.7GE-PS-17-240731-L-G	513148-003	WIPE	N	3050B	7/31/2024 10:30:00 AM	S2AVE
DOOR-S-15.7GW-DG-1' TO 2-240731-L-LA	513148-026	WIPE	N	3050B	7/31/2024 10:25:00 AM	S2AVE
DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB	513148-012	WIPE	N	3050B	7/31/2024 8:00:00 AM	S2AVE
DOOR-S-15.7GW-PS-16-240731-L-LA	513148-014	WIPE	N	3050B	7/31/2024 9:15:00 AM	S2AVE
DOOR-S-15.7GW-PS-17-240731-L-G	513148-006	WIPE	N	3050B	7/31/2024 7:30:00 AM	S2AVE
DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB	513148-022	WIPE	N	3050B	7/31/2024 11:00:00 AM	S2AVE
DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB	513148-009	WIPE	N	3050B	7/31/2024 8:25:00 AM	S2AVE
DOOR-S-15.8GE-PS-16-240731-L-G	513148-017	WIPE	N	3050B	7/31/2024 9:55:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
DOOR-S-15.8GE-PS-17-240731-L-G	513148-004	WIPE	N	3050B	7/31/2024 7:45:00 AM	S2AVE
DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-025	WIPE	N	3050B	7/31/2024 10:35:00 AM	S2AVE
DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA	513148-011	WIPE	N	3050B	7/31/2024 8:05:00 AM	S2AVE
DOOR-S-15.8GW-PS-16-240731-L-G	513148-020	WIPE	N	3050B	7/31/2024 9:30:00 AM	S2AVE
DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA	513148-001	WIPE	N	3050B	7/31/2024 10:05:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	513148-018	WIPE	N	3050B	7/31/2024 9:40:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB	513148-019	WIPE	FD	3050B	7/31/2024 9:40:00 AM	S2AVE
DOOR-S-15.9GE-INT-1' TO 2-240731-L-LA	513148-023	WIPE	N	3050B	7/31/2024 11:05:00 AM	S2AVE
DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA	513148-010	WIPE	N	3050B	7/31/2024 8:15:00 AM	S2AVE
DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB	513148-024	WIPE	N	3050B	7/31/2024 10:45:00 AM	S2AVE
DOOR-S-15.9GW-PS-17-240731-L-G	513148-005	WIPE	N	3050B	7/31/2024 7:35:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 513149						
Method: 6010B						
240731-L-FIELDBLANK1-LO	513149-006	WIPE	FB	3050B	7/31/2024 8:00:00 AM	S2AVE
240731-L-MEDBLANK1-LO	513149-007	WIPE	FB	3050B	7/31/2024 12:35:00 PM	S2AVE
DOOR-S-15.7GE-EXT-5 TO 6-240731-L-CB	513149-002	WIPE	N	3050B	7/31/2024 8:45:00 AM	S2AVE
DOOR-S-15.7GE-PS-18-240731-L-G	513149-005	WIPE	N	3050B	7/31/2024 9:10:00 AM	S2AVE
DOOR-S-15.7GW-INT-18 TO 19-240731-L-CB	513149-003	WIPE	N	3050B	7/31/2024 8:50:00 AM	S2AVE
DOOR-S-15.9GE-INT-19 TO 20-240731-L-CB	513149-001	WIPE	N	3050B	7/31/2024 8:35:00 AM	S2AVE
DOOR-S-15.9GW-DG-5 TO 18-240731-L-LA	513149-004	WIPE	N	3050B	7/31/2024 9:00:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/29/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 513150						
Method: 6010B						
DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	513150-002	WIPE	N	3050B	7/31/2024 9:20:00 AM	S3VEM
DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB	513150-003	WIPE	FD	3050B	7/31/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	513150-005	WIPE	N	3050B	7/31/2024 9:30:00 AM	S3VEM
DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	513150-010	WIPE	N	3050B	7/31/2024 9:50:00 AM	S3VEM
DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	513150-007	WIPE	N	3050B	7/31/2024 9:40:00 AM	S3VEM
DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	513150-012	WIPE	N	3050B	7/31/2024 10:10:00 AM	S3VEM
Method: 8082						
240731-P-FIELDBLANK1-HO	513150-013	WIPE	FB	3546	7/31/2024 10:15:00 AM	S3VEM
DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	513150-001	WIPE	N	3546	7/31/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	513150-004	WIPE	N	3546	7/31/2024 9:30:00 AM	S3VEM
DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	513150-009	WIPE	FD	3546	7/31/2024 9:50:00 AM	S3VEM
DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	513150-008	WIPE	N	3546	7/31/2024 9:50:00 AM	S3VEM
DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	513150-006	WIPE	N	3546	7/31/2024 9:40:00 AM	S3VEM
DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	513150-011	WIPE	N	3546	7/31/2024 10:10:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 513228						
Method: 6010B						
DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	513228-004	WIPE	N	3050B	7/31/2024 7:45:00 AM	S3VEM
DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	513228-006	WIPE	N	3050B	7/31/2024 7:55:00 AM	S3VEM
DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	513228-011	WIPE	FD	3050B	7/31/2024 8:20:00 AM	S3VEM
DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	513228-010	WIPE	N	3050B	7/31/2024 8:20:00 AM	S3VEM
DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	513228-008	WIPE	N	3050B	7/31/2024 8:10:00 AM	S3VEM
DOOR-S-15.8GW-PS-21-240731-L-G	513228-002	WIPE	N	3050B	7/31/2024 7:30:00 AM	S3VEM
Method: 8082						
DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-003	WIPE	N	3546	7/31/2024 7:45:00 AM	S3VEM
DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	513228-005	WIPE	N	3546	7/31/2024 7:55:00 AM	S3VEM
DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA	513228-009	WIPE	N	3546	7/31/2024 8:20:00 AM	S3VEM
DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	513228-007	WIPE	N	3546	7/31/2024 8:10:00 AM	S3VEM
DOOR-S-15.8GW-PS-21-240731-P-G	513228-001	WIPE	N	3546	7/31/2024 7:30:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 513457						
Method: 6010B						
DOOR-S-15.6GE-PS-16-240805-L-G	513457-003	WIPE	N	3050B	8/5/2024 11:40:00 AM	S2AVE
DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	513457-006	WIPE	N	3050B	8/5/2024 12:05:00 PM	S2AVE
DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB	513457-002	WIPE	N	3050B	8/5/2024 11:30:00 AM	S2AVE
DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA	513457-001	WIPE	N	3050B	8/5/2024 11:20:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	513457-004	WIPE	N	3050B	8/5/2024 11:50:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB	513457-005	WIPE	FD	3050B	8/5/2024 11:50:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024) **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: 513148

Laboratory: Enthalpy Orange

EDD Filename: 513148

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513149

Laboratory: Enthalpy Orange

EDD Filename: 513149

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513150

EDD Filename: 513150

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513228

Laboratory: Enthalpy Orange

EDD Filename: 513228

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513457

EDD Filename: 513457

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

513148

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499A4b
SDG #: 513148
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 2
Reviewer: BM
2nd Reviewer: MG

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB=27,2829 MEDBLANK=28,30
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	SW	FD= 8/7 19/18
IX	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA	513148-001		Wipe	07/31/24	Stage 2A
2	DOOR-S-15.5GE-PS-17-240731-L-G	513148-002		Wipe	07/31/24	Stage 2A
1	DOOR-S-15.7GE-PS-17-240731-L-G	513148-003		Wipe	07/31/24	Stage 2A
4	DOOR-S-15.5GE-PS-17-240731-L-G	513148-004		Wipe	07/31/24	Stage 2A
1	DOOR-S-15.9GW-PS-17-240731-L-G	513148-003		Wipe	07/31/24	Stage 2A
6	DOOR-S-15.7GW-PS-17-240731-L-G	513148-002		Wipe	07/31/24	Stage 2A
7	DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	513148-002	FD1	Wipe	07/31/24	Stage 2A
8	DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA	513148-003	FD1	Wipe	07/31/24	Stage 2A
9	DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB	513148-009		Wipe	07/31/24	Stage 2A
10	DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA	513148-010		Wipe	07/31/24	Stage 2A
11	DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA	513148-011		Wipe	07/31/24	Stage 2A
12	DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB	513148-011		Wipe	07/31/24	Stage 2A
13	DOOR-S-15.5GE-PS-16-240731-L-LA	513148-013		Wipe	07/31/24	Stage 2A
14	DOOR-S-15.7GW-PS-16-240731-L-LA	513148-011		Wipe	07/31/24	Stage 2A
15	DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB	513148-015		Wipe	07/31/24	Stage 2A
16	DOOR-S-15.6GE-PS-16-240731-L-G	513148-016		Wipe	07/31/24	Stage 2A
11	DOOR-S-15.8GE-PS-16-240731-L-G	513148-017		Wipe	07/31/24	Stage 2A
18	DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	513148-018	FD2	Wipe	07/31/24	Stage 2A
19	DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB	513148-019	FD2	Wipe	07/31/24	Stage 2A
20	DOOR-S-15.8GW-PS-16-240731-L-G	513148-018		Wipe	07/31/24	Stage 2A
21	DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB	513148-021		Wipe	07/31/24	Stage 2A
22	DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB	513148-022		Wipe	07/31/24	Stage 2A
23	DOOR-S-15.9GE-INT-1' TO 2-240731-L-LA	513148-021		Wipe	07/31/24	Stage 2A
24	DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB	513148-024		Wipe	07/31/24	Stage 2A
24	DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-025		Wipe	07/31/24	Stage 2A
24	DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-018		Wipe	07/31/24	Stage 2A
23	240731-L-FIELDBLANK1-HO	513148-017	FB	Wipe	07/31/24	Stage 2A
28	240731-L-MEDBLANK1-HO	513148-028	FB	Wipe	07/31/24	Stage 2A

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499A4b
SDG #: 513148
Laboratory: Enthalpy Analytical, Orange, CA

Method: Lead by (EPA SW-846 Method 6010B)

Date: 8/26/2024
Page: 2 of 2
Reviewer:
2nd Reviewer:

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
29	240731-L-FIELDBLANK2-HO	513148-029	FB	Wipe	07/31/24	Stage 2A
30	240731-L-MEDBLANK2-HO	513148-029	FB	Wipe	07/31/24	Stage 2A
31	DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB	513148-031		Wipe	07/31/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 513148

Laboratory: Enthalpy Orange

EDD Filename: Prep513148

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240731-L-FIELDBLANK1-HO	0.97	No Qualifiers Applied
	240731-L-FIELDBLANK2-HO	6.9	

Field Duplicate RPD Report

Lab Reporting Batch ID: 513148 **Laboratory: Enthalpy Orange**

EDD Filename: 513148 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-			
LEAD	420	290	37	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-			
LEAD	340	310	9	100.00	No Qualifiers Applied

Quality Control Outlier Reports

~~513149~~

(No Outliers)

SDG# 513149 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499B4b
SDG #: 513149
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: MBn
2nd Reviewer: MG

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	ND	FB=6 MEDBLANK=7
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.9GE-INT-19 TO 20-240731-L-CB	513149-001		Wipe	07/31/24	Stage 2A
1	DOOR-S-15.7GE-EXT-5 TO 6-240731-L-CB	513149-002		Wipe	07/31/24	Stage 2A
3	DOOR-S-15.7GW-INT-18 TO 19-240731-L-CB	513149-002		Wipe	07/31/24	Stage 2A
4	DOOR-S-15.9GW-DG-5 TO 18-240731-L-LA	513149-001		Wipe	07/31/24	Stage 2A
5	DOOR-S-15.7GE-PS-18-240731-L-G	513149-001		Wipe	07/31/24	Stage 2A
6	240731-L-FIELDBLANK1-LO	513149-006	FB	Wipe	07/31/24	Stage 2A
7	240731-L-MEDBLANK1-LO	513149-001	FB	Wipe	07/31/24	Stage 2A

Notes:

Quality Control
Outlier Reports

513150

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499C3b
SDG #: 513150
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/16/2024
Page: 1 of 1
Reviewer: FM
2nd Reviewer: BM

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 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	R
II	Initial calibration / ICV	A	%D PSD ≤ 20 ICV ≤ 15
III	Continuing calibration	A	CCV ≤ 15
IV	Laboratory Blanks	A	
V	Field blanks	ND	FB = 7
VI	Surrogate spikes /15	A/A	
VII	Matrix spike/Matrix spike duplicates	N	03
VIII	Laboratory control samples	A	LCSID
IX	Field duplicates	ND	D = 4.5
X	Target analyte quantitation	A	
XI	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	513150-001		Wipe	07/31/24	Stage 3
2	DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	513150-004		Wipe	07/31/24	Stage 3
3	DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	513150-006		Wipe	07/31/24	Stage 3
4	DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	513150-008	FD	Wipe	07/31/24	Stage 3
5	DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	513150-009	FD	Wipe	07/31/24	Stage 3
6	DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	513150-011		Wipe	07/31/24	Stage 3
1	240731-P-FIELDBLANK1-HO	513150-013	FB	Wipe	07/31/24	Stage 3

Notes: 346727

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59499c3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: B

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%~~? PT 15%	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) < ~~20%~~? PT 15%	✓			
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 #: 59499C3b

VALIDATION FINDINGS CHECKLIST

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%?	✓			All ND
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:_____

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	6/28/2024	Aroclor 1016-1 ChA	0.0170	0.0170	0.0175	0.0175	16	16
	GC07		Aroclor 1016-1 ChB	0.0214	0.0214	0.0211	0.0211	18	18

LDC #: 59499 C3b

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	8/3/24 1435	Arodor 1016 chA	500.0	532.1	532.1	6	6
			↓ chB	↓	522.2	522.2	4	4
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 #: 59499c3b

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	39.1166	78	78	0
DCB	↓	50	39.4425	79	79	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 #: 59499c3b

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: 346727

Compound	Spike Added (ug/100)cm^2		Spike Sample Concentration (ug/100 cm^2		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	3.604	4.241	72	72.	85	85	16	16

Comments: _____

LDC #: 59499C36

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. 346727-LCS Aroclor 1016

Concentration = $\frac{360.44 \quad (10)}{(1) \quad (1000)}$ =

= 3.6044 ug/100 cm²

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100) cm²	Qualifications
	LCS	Aroclor 1016	3.604	3.6044	
	Aroclor 1016-1=	32358101.43 (20)		1016-1 = 353.0	
		8692661.69 (0.0211)		2 = 370.8	
				3 = 358.2	
		= 353.0		4 = 351.1	
				5 = 368.9	
				360.44	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499C4b
SDG #: 513150
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BM

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(1,2)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	513150-002	FD	Wipe	07/31/24	Stage 3
2	DOOR-S-15.5GE-INT-17 TO 18-240731-L- DUP-CB	513150-003	FD	Wipe	07/31/24	Stage 3
3	DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	513150-002		Wipe	07/31/24	Stage 3
4	DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	513150-007		Wipe	07/31/24	Stage 3
1	DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	513150-010		Wipe	07/31/24	Stage 3
6	DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	513150-012		Wipe	07/31/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: JC

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

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?			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	

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			

Field Duplicate RPD Report

Lab Reporting Batch ID: 513150 **Laboratory: Enthalpy Orange**

EDD Filename: 513150 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.5GE-INT-17 TO 18-240731-	DOOR-S-15.5GE-INT-17 TO 18-240731-L-			
LEAD	51	68	29	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 30)	Qualifiers (Parents Only)
	1	2		
Lead	51	68	29	

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	1.037	1.00	104	104	Y
CCV	ICP	Pb	1.074	1.00	107	107	Y
LLCC	ICP				NA	NA	
ICSAB	ICP	Pb	1.029	1.00	104	103	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST

Quality Control Sample Recalculations

Reviewer: JC

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)
QC1174501	LCS	Pb	53.19	50	106	106	Y
NA	MS	Pb			NA	NA	Y
QC1174506/07	Duplicate	Pb	52.69	51.67	2	2	Y
NA	PDS	Pb			NA	NA	Y
NA	Serial dilution	Pb			NA	NA	Y

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 (mL)	Reported Result (mg/ft^2)	Recalcuated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	1.011	1	1	50	51	51	Y
2	↓	1.35	1	1	50	68	68	Y
3	↓	1.541	1	1	50	77	77	Y
4	↓	1.754	1	1.0276	50	85	85	Y
3	↓	2.085	1	1.0276	50	100	101	Y
6	↓	3.247	1	1	50	160	162	Y

Quality Control
Outlier Reports

~~513228~~

SDG# 513228 does not contain samples collected within the High Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499D3b
SDG #: 513228
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/16/2024
Page: 1 of 1
Reviewer:
2nd Reviewer: BM PM

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 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	v
II	Initial calibration / ICV	A	%RSD ≤ 20.1 ICV ≤15
III	Continuing calibration	A	CCV ≤ 15
IV	Laboratory Blanks	A	v
V	Field blanks	ND	FB = 240731-P-FIELDBLANK1-HB (513150)
VI	Surrogate spikes /13	A/A	
VII	Matrix spike/Matrix spike duplicates	N	CS
VIII	Laboratory control samples	A	LCSID
IX	Field duplicates	N	v
X	Target analyte quantitation	A	v
XI	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.8GW-PS-21-240731-P-G	513228-001		Wipe	07/31/24	Stage 3
2	DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-003		Wipe	07/31/24	Stage 3
2	DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	513228-005		Wipe	07/31/24	Stage 3
4	DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	513228-001		Wipe	07/31/24	Stage 3
5	DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-009		Wipe	07/31/24	Stage 3

Notes: 346727

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59499 D36 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: JT

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%~~? PT 15%	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ~~< 20%~~? PT 15%	✓			
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 #: 59499D3b

VALIDATION FINDINGS CHECKLIST

Reviewer: B

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%?	✓			All ND
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:_____

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	6/28/2024	Aroclor 1260-1 ChA	0.0504	0.0504	0.0536	0.0536	18	18
	GC07		Aroclor 1260-1 ChB	0.0601	0.0601	0.0579	0.0579	18	18

LDC #: 59499D3b

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	8/3/24 1435	Aroclor 1260 ChA	500	526.0	526.0	5	5
			↓ ChB	↓	506.2	506.2	1	1
								1
2								
								1
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 #: 59499D3b

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	35.3515	71	71	0
DCB	↓	↓	28.7862	65	65	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 #: 59499D3b

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: 346727 - LCS/LCSD

Compound	Spike Added (ug/100) cm²		Spike Sample Concentration (ug/cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.00	5.00	3.615	4.182	72	72	84	84	15	15

Comments: _____

LDC #: 59499D3b

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. 346727-LCS Aroclor 1260

Concentration = $\frac{361.46\ (10)}{(1)(1000)}$ =

= 3.6146 ug/100 cm²

#	Sample ID	Target analyte	Reported Concentrations (ug/100)cm²	Recalculated Results Concentrations (ug/cm²)	Qualifications
	LCS	Aroclor 1260	3.615	3.6146	
				1260-1 = 387.2	
	Aroclor 1260-1	= 9743293.714	(20)	2 = 365.0	
		8692661.69	(0.0579)	3 = 403.3	
				4 = 335.4	
		= 387.2		5 = 316.5	
				361.46	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499D4b
SDG #: 513228
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BN

Method: Lead by (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	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(5,6)
XII	Target analyte quantitation	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.8GW-PS-21-240731-L-G	513228-002		Wipe	07/31/24	Stage 3
2	DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	513228-004		Wipe	07/31/24	Stage 3
1	DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	513228-004		Wipe	07/31/24	Stage 3
4	DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	513228-002		Wipe	07/31/24	Stage 3
5	DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	513228-010	FD	Wipe	07/31/24	Stage 3
6	DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	513228-010	FD	Wipe	07/31/24	Stage 3

Notes:

VALIDATION FINDINGS WORKSHEET
Sample Specific Element Reference

Reviewer: JC

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

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?			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	

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			

Field Duplicate RPD Report

Lab Reporting Batch ID: 513228 **Laboratory: Enthalpy Orange**

EDD Filename: 513228 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-			
LEAD	68	120	55	100.00	No Qualifiers Applied

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)
	5	6		
Lead	68	120	55	

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	1.037	1.00	104	104	Y
CCV	ICP	Pb	1.051	1.00	105	105	Y
LLCC	ICP				NA	NA	
ICSAB	ICP	Pb	1.029	1.00	105	105	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST

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	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC11744506	LCS	Pb	52.69	50.00	105	105	Y
NA	MS	Pb			NA	NA	
QC11744506/07	Duplicate	Pb	52.69	51.67	2	2	Y
NA	PDS	Pb			NA	NA	
NA	Serial dilution	Pb			NA	NA	Y

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 (mL)	Reported Result (mg/ft^2)	Recalcuated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	1.63	1	1.0828	50	75	75	Y
2	↓	3.02	1	1.0276	50	150	147	Y
3	↓	0.6059	1	1	50	30	30	Y
4	↓	1.859	1	1.0276	50	90	90	Y
3	↓	1.393	1	1.0276	50	68	68	Y
6	↓	2.493	1	1.0276	50	120	121	Y

Quality Control
Outlier Reports

513457

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499E4b
SDG #: 513457
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: BM
2nd Reviewer: MB

Method: Lead by (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	
II	Laboratory Blanks	A	
III	Field blanks	N	
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	SW	FD = 5/4
IX	Overall assessment of data	A	

Note: A = Acceptable; ND = Not detected; FT = Field triplicate; AB= Ambient blank; R = Rinsate
N = Not provided/applicable; NQ = Not qualified; TB = Trip blank; SB = Source blank
SW = See worksheet; FD = Field duplicate; FB = Field blank; EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA	513457-001		Wipe	08/05/24	Stage 2A
2	DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB	513457-002		Wipe	08/05/24	Stage 2A
3	DOOR-S-15.6GE-PS-16-240805-L-G	513457-002		Wipe	08/05/24	Stage 2A
4	DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	513457-002	FD	Wipe	08/05/24	Stage 2A
5	DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB	513457-002	FD	Wipe	08/05/24	Stage 2A
6	DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	513457-006		Wipe	08/05/24	Stage 2A

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 513457 **Laboratory: Enthalpy Orange**

EDD Filename: 513457 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-			
LEAD	14	13	7	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA