

Hangar 1 Data Summary Submittal

High Occupancy Area of Zone 3
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

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

Executive Summary

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the high occupancy area of Zone 3 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 3 of Hangar 1.

The National Association of Corrosion Engineers (NACE) inspections indicate that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment (DUA) indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 78 wipe samples collected from within the high occupancy area of Zone 3 was approximately 150 micrograms per square foot (µg/ft^2), which is below the numeric Cleanup Goal for lead (i.e., 250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples was not calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 micrograms per 100 square centimeters (i.e., ≤0.5 µg/100 cm^2) in any of the confirmation samples collected from within the high occupancy area of Zone 3.

Based on the NACE inspections and the lead and PCB confirmation wipe sampling results, the high occupancy area of Zone 3 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency (U.S. EPA) and San Francisco Regional Water Quality Control Board (Water Board) provide concurrence that no further abatement is required for the high occupancy area of Zone 3.

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 3 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 3 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).

A discussion of the clearance wipe sampling results for the high and low occupancy areas within Enclosures A/B and C/D of Zone 3 is included in the data summary submittal report prepared by Rincon for the low occupancy area of Zone 3 (Rincon, 2023a).

[1] The high occupancy area of Zone 3 includes the area below the arch pin (i.e., below 55-feet) in Enclosures A/B and C/D.

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

2 Attainment of Project Cleanup Goals

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

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

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

The visual inspection (Section 2.1) and confirmation wipe sampling (Section 2.2) results indicate that the Project Cleanup Goals have been met and no additional abatement is necessary within the high occupancy area of Zone 3.

2.1 Visual Inspections

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

Within the high occupancy area of Zone 3, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.[4]

[3] Abatement in Zone 3 was completed on April 13, 2023.

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

2.2 Confirmation Sampling Results

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

2.2.1 Initial Abatement and Sampling Efforts

A total of 180 confirmation wipe samples[5] were collected from the high occupancy area of Zone 3, including QC samples (i.e., field blank samples[6] and field duplicate samples). Of the 180 confirmation wipe samples, and associated QC samples, 90 were lead wipe samples and 90 were PCB wipe samples:

- 78 lead confirmation wipe samples and 78 PCB confirmation wipe samples;
- Four lead field blank samples and four PCB field blank samples;[7] and,
- Eight lead duplicate confirmation wipe samples and eight PCB duplicate confirmation wipe samples.

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

2.2.2 Re-abatement and Re-sampling Efforts

Within the high occupancy area of Zone 3, lead was detected above the numeric Cleanup Goal in 24 samples. Six samples exceeded 5-times the numeric Cleanup Goal (i.e., 1,250 µg/ft^2) and more than 10-percent of the analytical results within the high occupancy area exceeded 3-times the numeric Cleanup Goal (i.e., 750 µg/ft^2). All of the confirmation wipe samples which exceeded 3-times or 5-times the Cleanup Goal for lead were collected on January 27, 2023.

In January 2023, the Project Team connected large dehumidification units to Zone 3 Enclosure C/D to mitigate the formation of flash rust due to the high relative humidity within the enclosure. Because the dehumidified air was needed at the top of the enclosure, the Project Team reoriented the ventilation system to pull the dehumidified air upwards through the enclosure instead of down through the enclosure and, as a result, it took substantially longer for the dust that was remobilized during the cleaning activities to settle out of the air, leading to elevated lead concentrations during confirmation wipe sampling.

Due to elevated lead concentrations in the original confirmation wipe samples and in accordance with the UFP-QAPP, Certified Coatings Company (CCC) and McCarthy re-abated 14 locations. The approximately 2,000 square foot area represented by each of these sample locations was re-abated, re-cleaned, re-inspected, and re-sampled, which resulted in the collected for 14 additional lead samples and one additional lead duplicate sample. As seen in Table 1, lead concentrations in all of the

[5] This count includes the initial wipe samples that met the numeric Cleanup Goals and those that did not meet the numeric Cleanup Goals. Subsequent wipe samples collected from areas that were re-abated and re-sampled are not included in this total count and are discussed in Section 2.2.2.

[6] Field blank samples referred to throughout this report were called media blank samples at the time of collection, therefore in laboratory analytical reports and data validation reports, these samples are called media blank samples.

[7] The *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* was not submitted to the Agencies until after all confirmation wipe sampling had been completed in the high occupancy area of Zone 3, therefore the corrective actions listed within the memorandum were not implemented during confirmation wipe sampling activities in the high occupancy are of Zone 3. See Section 3.4.3 for further discussion.

confirmation wipe samples collected following re-abatement were below the numeric Cleanup Goal. As PCBs were not detected in any of the initial confirmation wipe samples, re-abatement due to elevated PCB concentrations and re-sampling for PCBs was not necessary.

Table 1 Lead Wipe Re-Abatement Summary

Initial Sample ID	Initial Lead Concentration (µg/ft²)	Lead Concentration After Re-Abatement (µg/ft²)
AFRAME-C3W-MED-L1-HS-3-230127-G	880	4.7
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-I	960	3.5
AFRAME-C4W-EXT-L1-HS-3-230127-A	550	21
AFRAME-C5W-MED-L1-HS-3-230127-A	690	8.8
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-I	710	8.5
AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-WF	860	7.8
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-LA	770	14
AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-FB	1,500 [a]	8.6
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-WF	1,800 [a]	19
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-DUP-WF	1,900 [a]	24
AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-CB	1,400 [a]	9.4
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-FB	2,500 [a]	13
AFRAME-C3W-MED-L1-DN-C3W-DG-230127-SS	1,700 [a]	15
AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-CB	820	12
AFRAME-C5W-MED-L1-DN-C5W-DG-230127-SS	1100	9.8

Notes:
[a] Results exceeded 5-times the numeric Cleanup Goal for Lead (i.e., 1250 µg/ft²).

2.2.3 Evaluation of the Confirmation Wipe Sampling Data

Once re-abatement, re-cleaning, and re-sampling activities were completed, a total of nine of the lead confirmation wipe samples collected, or 11-percent, exceeded the numeric Cleanup Goal of <250 µg/ft^2; none of the lead concentrations in these confirmation wipe samples exceeded 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, the lower of the duplicate sampling results, and the original results from the locations that were re-abated and re-sampled were not included in the calculation of the 95-percent UCL. The 95-percent UCL input and output files are included in Attachment 4. As shown in Table 2, the 95-percent UCL of the mean lead concentration (i.e., approximately 150 µg/ft^2) is below the numeric Cleanup Goal.

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 was not calculated for PCBs because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected.

Table 2 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Numeric Cleanup Goal	95% UCL
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	150 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	--[a]

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

3 Data Usability Assessment

This section summarizes Rincon's review of the data validation reports prepared by LDC for the confirmation wipe samples (Attachment 5). It also reviews field documentation and procedures for compliance with sampling procedures included in the Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) as well as the number of samples and field QC samples to confirm they are consistent with 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 was not calculated for PCBs could not be calculated.

3.1 Data Verification

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

A field audit by Rincon's field manager, which included a review of the field sampling protocols, was conducted on December 9, 2022. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.[8] The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

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

As the total square footage of steel in the high occupancy area of Zone 3 was lower than that estimate in Worksheet #20-2, fewer confirmation wipe samples were collected in the high occupancy area than outlined in Worksheet #20-2 of the UFP-QAPP. The actual confirmation lead and PCB wipe sampling frequency (i.e., one sample per 980 square feet [ft^2] of abated steel) as well as the frequencies of field duplicate and media blank samples were consistent with the frequencies per the UFP-QAPP (Worksheet #20-2).

[8] For more information, please refer to the Biweekly Report for the period ending on December 16, 2022.

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]
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 1,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 3	76,810 ft^2		
Samples Collected	78	8	4
Actual Frequency	1 sample per every 980 ft^2 of abated steel	10%	5%
Re-abatement Samples Collected	14	1 [c]	-- [d]

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] Field blank samples collected within Zone 3 are referred to as media blank samples in the UFP-QAPP.
[c] Field duplicate samples collected during re-sampling after re-abatement correspond to locations with exceedances where the duplicate sample was initially collected. No other field duplicate samples are collected during re-sampling after re-abatement.
[d] Additional field QC samples are not collected during re-sampling after re-abatement.

Table 4 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field 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%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 3	76,810 ft^2		
Samples Collected	78	8	4
Actual Frequency	1 sample per every 980 ft^2 of abated steel	10%	5%

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] Field blank samples collected within Zone 3 are referred to as media blank samples in the UFP-QAPP.

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 48 samples and Stage 2A validation was conducted on the remaining 132 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data, no sample results were qualified using flags (Attachment 5) and none of the analytical results were rejected. See Section 3.4.1, 3.4.2, and Attachment 5 for additional details.

3.3 Data Precision

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

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 of the 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	7	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; the agreement between results of the original sample and the duplicate sample indicate that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and that the field sampling was conducted in a reproducible manner.

PCBs were not detected above laboratory QLs in any of the duplicate samples collected 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	8	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	14	%R 60-140%	0	0%
PCB Method Blank Samples	7	<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 confirmation wipe samples and laboratory QC samples had percent recoveries for TCMX and DCB 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	4	<10 µg/ft^2	0%
PCB Field Blank Samples	4	<QL	0%

Following comments from the Water Board and U.S. EPA on the Zone 2 Data Summary Submittal regarding low-level lead detections in the field blank samples,[10] Rincon described its blank sample collection procedures and proposed corrective actions in its *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* (Media Blank Memo; Rincon, 2023b). As summarized in the Media Blank Memo, all of the field QC samples collected thus far during the NTCRA have been field blank samples, not media blank samples. After submission of the Media Blank Memo to the Water Board and U.S. EPA, the following corrective actions were implemented:

- As of August 3, 2023, field QC samples collected in from within the enclosure are referred to as field blank samples;
- Beginning with confirmation sampling activities in Zone 4 Enclosure C/D, during confirmation sampling activities, media blank samples will be collected for lead in addition to field blank samples for lead; and
- The MPC for lead field blank samples will be revised to be <10 µg/ft^2, the MPC for lead media blank samples will be <QL.

The field QC samples collected in the Low Occupancy Area of Zone 3 were identified as media blank samples at the time of collection, however, for the purpose of this report the language has been revised to refer to these samples as field blank samples. The samples are still labeled as media blank samples in

[10] See Footnote 5.

the laboratory analytical reports (Attachment 3) and confirmation wipe sampling summary table (Attachment 2).

Lead was detected above the laboratory QL in all four of the field blank samples collected; however, they did not exceed the MPC of <10 µg/ft^2 and all analytical results for field blank samples are two orders of magnitude lower than the numeric Cleanup Goal for lead. As described in the Data Summary Submittal for the High Occupancy Area of Zone 1 (Rincon, 2023c), 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.[11] 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, resulting in a more conservative evaluation of residual lead concentrations.

No lead results were less than 5-times the concentration of lead detected in the associated field blank samples; therefore, no data qualifiers were added to the lead confirmation wipe sampling results. PCBs were not detected above laboratory QLs in any of the field blank samples.

3.5 Summary of Representativeness, Completeness, and Comparability

3.5.1 Representativeness

Representativeness is a qualitative measure that expresses the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at the sampling point, a process condition, or an environmental condition. The following were evaluated to assess the representativeness of the wipe sampling data collected from the high occupancy area of Zone 3:

- A field audit, which included a review of the field sampling protocols, was conducted by Rincon's field manager on December 9, 2022. Sample collection was performed in compliance with the field SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and
- All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP.[12]

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

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

[12] Rincon personnel 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. 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.

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.

Table 9 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - Measurement Performance Criteria
Lead – Wipe	90	100%	0%	>90%
PCB – Wipe	90	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 is considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the high occupancy area of Zone 3) 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 3, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on December 9, 2022, as well as regular reviews of field forms and chain-of custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

While reporting limits for about half of lead and PCB confirmation wipe samples collected in the high occupancy area of Zone 3 exceeded the laboratory specific QL outlined in Worksheet #15 of the UFP-QAPP, the discrepancy in the laboratory specific QL was determined to not affect the quality of the data. See Section 3.6 for additional details.

3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. The laboratory specific QL outlined in the UFP-QAPP were 0.5 µg/ft^2 for lead and 0.5 µg/100 cm^2 for PCBs. As seen in Table 10, fifteen lead confirmation wipe samples had QLs that exceeded the limits defined in the UFP-QAPP, however, because the elevated QLs were only reported in samples with high reported lead concentrations, the elevated QLs are not pertinent. . 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	Numeric Cleanup Goal	Laboratory Specific QL in QAPP	Maximum QL Reported
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	2.5 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	0.5 µg/100 cm^2	0.5 µg/100 cm^2

4 Conclusions

Based on the NACE inspections and the DUA, the lead and PCB confirmation wipe sampling results are suitable for comparison against their respective numeric Cleanup Goals. The 95-percent UCL for the mean lead concentration in the confirmation wipe samples collected within the high occupancy area of Zone 3 was approximately 150 µg/ft^2, which is below the numeric Cleanup Goal for lead (i.e., 250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples was not 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 3.

Given that the 95-percent UCL for lead confirmation wipes is below the numeric Cleanup Goal for lead and that no PCBs were detected above the highest laboratory reporting limit, the high occupancy area of Zone 3 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 3.

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). 2023a. *Hangar 1 Data Summary Submittal; Low Occupancy Area of Zone 3, Former Naval Air Station Moffett Field, California.* December 2023.

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

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

United States Environmental Protection Agency (U.S. EPA). 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 3

Figure 1

Attachment 1

NACE Inspection Forms

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

Client Representative: McCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3 AREAS C AND D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, December 20, 2022
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	5:54 AM	9:54 AM	1:54 PM	5:54 PM					Specified Conditions
Time									
Dry Bulb	48.3 °F	52.1 °F	58.2 °F	56.8 °F					
Wet Bulb	42.3 °F	47.1 °F	51.7 °F	50.3 °F					
Depression	6.0 °F	5.0 °F	6.5 °F	6.5 °F					
Relative Humidity	57.3%	67.6%	62.9%	62.1%					
Dew Point	33.9 °F	41.7 °F	45.6 °F	45.9 °F					
Steel temp	46.6 °F	50.6 °F	56.7 °F	55.5 °F					
Difference	12.7 °F	8.8 °F	11.1 °F	11.6 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMEN, HEATERS,DEHUMIDIFIER
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. 447475/447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: Pre cleaning solvent clean and power tool clean as needed
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.7 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.7 gage less 2.0 mils or 50 µm
12.20.22

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST; BLOW DOWN STRUCTURAL STEEL;SWEEP BLAST SPOTS MARKED FOR WIPE TESTING;SQUARE UP SOME AREAS AND CONTINUE BLOWING DOWN THE REST OF THE DAY. SURFACE PREP.AND COATINGS APPLICATIONS PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 12/20/2022
QC Supervisor Signature: Date: 1-9-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Wednesday, January 18, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

									Specified Conditions
Time	5:12 AM	9:12 AM	1:12 PM	5:12 PM					
Dry Bulb	52.0 °F	49.9 °F	51.5 °F	56.4 °F					
Wet Bulb	48.0 °F	46.3 °F	47.7 °F	52.5 °F					
Depression	4.0 °F	3.6 °F	3.8 °F	3.9 °F					
Relative Humidity	73.9%	75.4%	75.5%	77.0%					
Dew Point	44.0 °F	42.5 °F	44.0 °F	49.3 °F					
Steel temp	50.6 °F	48.4 °F	49.8 °F	55.1 °F					
Difference	6.6 °F	5.9 °F	5.8 °F	5.8 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

SURFACE PREPARATION

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

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

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

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

PRESS-O-FILM™ Made in USA. TESTEX NEWARK, DE 19715 USA X COARSE Plus (useful range: see data sheet) sample 1-18-23 reading 3.6 gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ 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: CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA D.

ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/17/2023
QC Supervisor Signature: _____ Date: 1-25-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Friday, January 20, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:12 AM	10:12 AM	2:12 PM	6:12 PM					Specified Conditions
Time									
Dry Bulb	46.1 °F	50.7 °F	55.4 °F	56.3 °F					
Wet Bulb	42.6 °F	43.6 °F	46.9 °F	48.6 °F					
Depression	3.5 °F	7.1 °F	8.5 °F	8.7 °F					
Relative Humidity	74.7%	51.5%	47.8%	53.9%					
Dew Point	38.5 °F	33.5 °F	35.9 °F	39.8 °F					
Steel temp	44.2 °F	48.8 °F	53.5 °F	55.1 °F					
Difference	5.7 °F	15.3 °F	17.6 °F	15.3 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

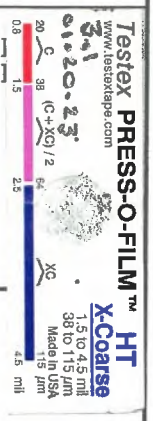
SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.1 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: CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA D,LEVELS 1,2,3,4,5,6,7 AND 8.
ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/20/2023
QC Supervisor Signature: _____ Date: 1-25-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Saturday, January 21, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:12 AM	10:12 AM	2:12 PM						Specified Conditions
Time									
Dry Bulb	43.2 °F	48.5 °F	53.8 °F						
Wet Bulb	38.6 °F	43.7 °F	47.3 °F						
Depression	4.6 °F	4.8 °F	6.5 °F						
Relative Humidity	63.2%	66.4%	59.2%						
Dew Point	31.6 °F	37.8 °F	39.9 °F						
Steel temp	41.0 °F	45.6 °F	51.9 °F						
Difference	9.5 °F	7.8 °F	12.1 °F						
Conditions	SAT	SAT	SAT						

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRESS-O-FILM™ Made in U.S.A.
sample I-21-23 reading 3.8 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA D.
ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/21/2023
QC Supervisor Signature: _____ Date: 1-25-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Monday, January 23, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:13 AM	10:13 AM	2:13 PM	6:13 PM					Specified Conditions
Time									
Dry Bulb	51.3 °F	55.5 °F	71.0 °F	65.9 °F					
Wet Bulb	43.8 °F	46.1 °F	55.4 °F	52.1 °F					
Depression	7.5 °F	9.4 °F	15.6 °F	13.8 °F					
Relative Humidity	48.9%	40.6%	23.4%	25.6%					
Dew Point	32.8 °F	32.0 °F	31.8 °F	29.7 °F					
Steel temp	49.4 °F	53.7 °F	70.6 °F	64.5 °F					
Difference	16.6 °F	21.7 °F	38.8 °F	34.8 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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

PRESS-O-FILM™ Made in U.S.A.
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
sample 1-23-23
reading 3.6
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ 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: CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA D,LEVELS 1,2,3,4,5,6,7 and 8.
ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/23/2023
QC Supervisor Signature: _____ Date: 1-25-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Wednesday, January 25, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

									Specified Conditions
Time	6:13 AM	10:13 AM	2:13 PM	6:13 PM					
Dry Bulb	47.6 °F	52.0 °F	64.0 °F	67.2 °F					
Wet Bulb	41.4 °F	46.3 °F	52.8 °F	53.9 °F					
Depression	6.2 °F	5.7 °F	11.2 °F	13.3 °F					
Relative Humidity	54.8%	63.0%	41.2%	33.3%					
Dew Point	32.2 °F	39.8 °F	40.0 °F	37.3 °F					
Steel temp	45.8 °F	50.4 °F	62.8 °F	65.7 °F					
Difference	13.6 °F	10.5 °F	22.8 °F	28.3 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 1/25/23
reading 3.5
gage less 2.0 mils or 50 µm

PRIMER

Soluble Salt Test Performed: YES [☐] NO [☐] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☐] NO [☐]
Paint mixed per manufacturer's instructions: YES [☐] NO [☐]
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ 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: CONTINUE AND FINISHED ABRASIVE BLASTING IN ZONE 3 AREA D,ALL LEVELS AND CONTINUE BLOWING DOWN.
ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 1/24/2023
QC Supervisor Signature: _____ Date: 2-2-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Thursday, February 2, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	RE-ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:08 AM	10:08 AM	2:08 PM	6:08 PM					Specified Conditions
Time									
Dry Bulb	51.0 °F	46.1 °F	67.6 °F	62.5 °F					
Wet Bulb	43.4 °F	39.7 °F	53.9 °F	51.6 °F					
Depression	7.6 °F	6.4 °F	13.7 °F	10.9 °F					
Relative Humidity	47.4%	41.9%	31.1%	41.3%					
Dew Point	31.8 °F	24.3 °F	36.0 °F	38.7 °F					
Steel temp	49.5 °F	44.2 °F	67.4 °F	61.4 °F					
Difference	17.8 °F	21.2 °F	31.4 °F	22.7 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.8 2-2-23
gage less 2.0 mils or so µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST,STARTED RE-ABRASIVE BLASTING PREVIOUSLY IDENTIFIED AREAS IN ZONE 3 AREA D,FROM GROUND LEVEL TO LEVEL 3 FOR A TOTAL OF 14,000 + SQ.FT. ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/2/2023
QC Supervisor Signature: _____ Date: 2-3-23

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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:	OMAR PINERA-TJ GARLAND	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Friday, February 3, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	RE-ABRASIVE BLASTING IN ZONE 3 AREA D		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:44 AM	10:44 AM	2:44 PM	6:44 PM					Specified Conditions
Time									
Dry Bulb	55.2 °F	59.0 °F	55.2 °F	53.8 °F					
Wet Bulb	47.3 °F	49.2 °F	47.3 °F	48.7 °F					
Depression	7.9 °F	9.8 °F	7.9 °F	5.1 °F					
Relative Humidity	51.4%	43.6%	51.4%	67.8%					
Dew Point	37.6 °F	36.9 °F	37.6 °F	43.5 °F					
Steel temp	53.7 °F	55.6 °F	53.7 °F	52.1 °F					
Difference	16.1 °F	18.8 °F	16.1 °F	8.6 °F					
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT,DEHUMIDIFIERS AND HEATERS.
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. 447475/447113

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.8 page less 2.0 mils or 50 µm
2.3.23

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST,CONTINUE RE-ABRASIVE BLASTING PREVIOUSLY IDENTIFIED AREAS IN ZONE 3 AREA D, AND STARTED BLOWING DOWNFROM GROUND LEVEL TO LEVEL 3 FOR A TOTAL OF 14,000 + SQ.FT. ABRASIVE BLASTING PERFORMED UNDER A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/3/2023
QC Supervisor Signature: _____ Date: 2-6-23

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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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, March 23, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	6:05 AM	10:05 AM	2:05 PM	6:05 PM					Specified Conditions
Time									
Dry Bulb	53.1 °F	53.8 °F	58.7 °F	59.0 °F					35-120 F
Wet Bulb	48.4 °F	48.8 °F	50.6 °F	50.9 °F					
Depression	4.7 °F	5.0 °F	8.1 °F	8.1 °F					
Relative Humidity	70.4%	68.8%	53.5%	53.9%					85%
Dew Point	43.7 °F	43.8 °F	41.9 °F	42.4 °F					
Steel temp	51.1 °F	51.7 °F	57.6 °F	57.6 °F					35-120 F
Difference	7.4 °F	7.9 °F	15.7 °F	15.2 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRIMER

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

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

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

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

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

Notes: PERFORMED A BLOTTER TEST,STARTED ABRASIVE BLASTING IN ZONE 3 AREA A AFTER FINISH
BLASTING 3D ON 03/15/23;STARTED IN LEVELS 5,8,11,14 AND 21.
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/23/2023
QC Supervisor Signature: _____ Date: 3-28-23

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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:	TJ GARLAND-ISRAEL VILLALOBOS	Inspector:	JUAN MARTINEZ
Work Location:	MOFFETT FIELD CA.	Date Worked:	Friday, March 24, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 3 AREA A		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:05 AM	10:05 AM	2:05 PM	6:05 PM					Specified Conditions
Time									
Dry Bulb	49.7 °F	51.1 °F	54.6 °F	55.0 °F					35-120 F
Wet Bulb	44.2 °F	44.8 °F	45.8 °F	47.0 °F					
Depression	5.5 °F	6.3 °F	8.8 °F	8.0 °F					
Relative Humidity	62.6%	57.4%	44.0%	50.0%					85%
Dew Point	37.4 °F	36.7 °F	33.2 °F	36.7 °F					
Steel temp	47.9 °F	48.9 °F	53.1 °F	53.4 °F					35-120 F
Difference	10.5 °F	12.3 °F	19.9 °F	16.7 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715
USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.5 3.24.23
gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;SQUARE UP SOME AREAS IN LEVELS 14-11 AND 25 AND BLOW DOWN
ABRASIVE BLASTED AREAS FROM LEVEL 17 TO LEVEL 5.
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/24/2023
QC Supervisor Signature: _____ Date: 6-26-23

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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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, March 30, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	5:11 AM	9:11 AM	1:11 PM	5:11 PM	9:11 PM				Specified Conditions
Time									
Dry Bulb	57.4 °F	56.2 °F	55.9 °F	55.3 °F	54.2 °F				35-120 F
Wet Bulb	52.2 °F	52.4 °F	51.8 °F	50.9 °F	50.0 °F				
Depression	5.2 °F	3.8 °F	4.1 °F	4.4 °F	4.2 °F				
Relative Humidity	69.7%	77.3%	75.1%	73.3%	74.1%				85%
Dew Point	47.6 °F	49.2 °F	48.2 °F	46.9 °F	46.1 °F				
Steel temp	54.9 °F	54.7 °F	54.5 °F	53.9 °F	52.7 °F				35-120 F
Difference	7.3 °F	5.4 °F	6.3 °F	7.0 °F	6.5 °F				+5 F
Conditions	SAT	SAT	SAT	SAT	SAT				

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

PRESS-O-FILM™ Made in U.S.A.
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
sample reading 3.6 gage less 2.0 mils of 50 µm
3.30.23

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST;REMOVED STANDING WATER FROM STRUCTURAL STEEL FOR AN HOUR AND THEN STARTED BLASTING AGAIN IN ZONE 3 AREA A,LEVELS 5,8,11,13,16. ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/30/2023
QC Supervisor Signature: _____ Date: 4-5-23

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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, March 31, 2023
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Dry Bulb	52.3 °F	78.2 °F	66.4 °F	59.7 °F					35-120 F
Wet Bulb	47.1 °F	61.7 °F	54.2 °F	50.9 °F					
Depression	5.2 °F	16.5 °F	12.2 °F	8.8 °F					
Relative Humidity	66.9%	32.9%	38.8%	50.3%					85%
Dew Point	41.6 °F	46.7 °F	40.6 °F	41.2 °F					
Steel temp	49.9 °F	78.6 °F	65.3 °F	58.6 °F					35-120 F
Difference	8.3 °F	31.9 °F	24.7 °F	17.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 3-31-23
reading 3.6
gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA A,LEVELS 5,7,8,10,12,13
15
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/31/2023
QC Supervisor Signature: _____ Date: 4-5-23

Distribution: 1. Jobsite file 2. Project Manager 3. Client
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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Saturday, April 1, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Dry Bulb	53.5 °F	79.3 °F	73.1 °F	63.5 °F					35-120 F
Wet Bulb	46.8 °F	61.7 °F	58.5 °F	54.0 °F					
Depression	6.7 °F	17.6 °F	14.6 °F	9.5 °F					
Relative Humidity	58.0%	29.5%	35.1%	50.8%					85%
Dew Point	39.1 °F	44.8 °F	43.9 °F	44.7 °F					
Steel temp	51.3 °F	80.0 °F	72.3 °F	62.5 °F					35-120 F
Difference	12.2 °F	35.2 °F	28.4 °F	17.8 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX
NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 4.1.23
reading 3.5
gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA A,LEVELS 2,5,7,10,12,15.
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/1/2023
QC Supervisor Signature: _____ Date: 4-5-23

Distribution: 1. Jobsite file 2. Project Manager 3. Client
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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, April 3, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Dry Bulb	51.3 °F	80.2 °F	64.5 °F	55.5 °F					35-120 F
Wet Bulb	43.7 °F	61.2 °F	51.6 °F	46.1 °F					
Depression	7.6 °F	19.0 °F	12.9 °F	9.4 °F					
Relative Humidity	48.4%	22.1%	30.3%	40.8%					85%
Dew Point	32.5 °F	38.0 °F	32.6 °F	32.1 °F					
Steel temp	46.1 °F	78.8 °F	63.1 °F	54.3 °F					35-120 F
Difference	13.6 °F	40.8 °F	30.5 °F	22.2 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.7 mils

PRESS-O-FILM™ Made in U.S.A.
sample reading 3.7 gage less 2.0 mils or 50 µm
4.3.23
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST;BLOWING DOWN AND CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA A LEVELS 2,4,5,7,9,10,12 AND 15.
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/3/2023
QC Supervisor Signature: _____ Date: 4-5-23

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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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: BLOW DOWN/ABRASIVE BLASTING IN ZONE 3A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, April 4, 2023
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Time									
Dry Bulb	47.2 °F	79.6 °F	63.2 °F	58.9 °F					35-120 F
Wet Bulb	41.8 °F	61.0 °F	50.4 °F	48.2 °F					
Depression	5.4 °F	18.6 °F	12.8 °F	10.7 °F					
Relative Humidity	61.2%	24.3%	26.7%	36.4%					85%
Dew Point	34.5 °F	39.9 °F	28.4 °F	32.3 °F					
Steel temp	45.5 °F	77.2 °F	61.9 °F	57.6 °F					35-120 F
Difference	11.0 °F	37.3 °F	33.5 °F	25.3 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRESS-O-FILM™ Made in U.S.A.
sample 3.4.23
reading 3.6
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST;SWEEP BLAST LEVELS 5,7,8,10,11,12,13,15 AND 16 AND THEN STARTED BLOWING DOWN SPENT GRIT FROM ZONE 3 AREA A. ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/4/2023
QC Supervisor Signature: _____ Date: 4-5-23

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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, April 10, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Dry Bulb	54.3 °F	94.1 °F	80.3 °F	67.7 °F					35-120 F
Wet Bulb	49.8 °F	71.1 °F	62.9 °F	58.5 °F					
Depression	4.5 °F	23.0 °F	17.4 °F	9.2 °F					
Relative Humidity	72.1%	27.4%	31.7%	56.0%					85%
Dew Point	45.5 °F	55.4 °F	47.6 °F	51.4 °F					
Steel temp	52.7 °F	97.3 °F	79.6 °F	66.9 °F					35-120 F
Difference	7.1 °F	41.9 °F	32.0 °F	15.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.7 mils

PRESS-O-FILM™ Made in U.S.A.
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA
sample 4-10-23
reading 3.7
gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA A,LEVELS 9,6,4,3 AND 2
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 4/10/2023
QC Supervisor Signature: Date: 4-18-23

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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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 3A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, April 11, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Time									
Dry Bulb	57.5 °F	63.9 °F	71.7 °F	64.5 °F					35-120 F
Wet Bulb	53.3 °F	57.0 °F	59.7 °F	52.5 °F					
Depression	4.2 °F	6.9 °F	12.0 °F	12.0 °F					
Relative Humidity	75.8%	64.6%	46.1%	36.9%					85%
Dew Point	49.9 °F	51.8 °F	49.9 °F	37.6 °F					
Steel temp	56.0 °F	63.5 °F	71.4 °F	63.5 °F					35-120 F
Difference	6.1 °F	11.8 °F	21.5 °F	25.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 4-11-23
reading 3.6
gage less 2.0 mils or 50 µm

PRIMER

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

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

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

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

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING IN ZONE 3 AREA A,LEVELS 9,6,4,3 AND 2
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: ____ Date: 4/11/2023
QC Supervisor Signature: ____ Date: 4-18-23

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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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING/BLOWING DOWN IN ZONE 3A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, April 12, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	6:11 AM	10:11 AM	2:11 PM	6:11 PM					Specified Conditions
Time									
Dry Bulb	45.9 °F	85.3 °F	69.2 °F	60.4 °F					35-120 F
Wet Bulb	41.5 °F	64.4 °F	55.1 °F	49.7 °F					
Depression	4.4 °F	20.9 °F	14.1 °F	10.7 °F					
Relative Humidity	67.7%	22.7%	31.5%	39.4%					85%
Dew Point	35.8 °F	43.0 °F	37.7 °F	35.6 °F					
Steel temp	43.6 °F	88.0 °F	68.4 °F	59.2 °F					35-120 F
Difference	7.8 °F	45.0 °F	30.7 °F	23.6 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 4-12-23
reading 3.6
gage less 2.0 mils or 50 µm

PRIMER

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

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

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

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

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE AND FINISH ABRASIVE BLASTING IN ZONE 3 AREA A,LEVELS GROUND,1,2,3 AND 4,CONTINUE BLOWING DOWN SPENT GRIT FROM GROUND LEVEL TO 17. ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/12/2023
QC Supervisor Signature: _____ Date: 4-18-23

The results relate only to items inspected/tested
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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 3

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Zone)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-LA	12/21/2022	C/D	**630**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-CB	12/21/2022	C/D	**180**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-LA	1/27/2023	C/D	**190**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L2-HS-1-230127-G	1/27/2023	C/D	**120**	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
AFRAME-C3W-LAT-L2-HS-1-230127-FB	1/27/2023	C/D	**150**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-WF [b]	1/26/2023	C/D	**160**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-DUP-WF	1/26/2023	C/D	**180**	--	--	--	--	--	--	--	--	--
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-WF	1/26/2023	C/D	**160**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-DUP-WF [b]	1/26/2023	C/D	**150**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-LA	1/26/2023	C/D	**260**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-DUP-LA	1/26/2023	C/D	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-LA	1/26/2023	C/D	**400**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-DUP-LA	1/26/2023	C/D	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-WF	1/26/2023	C/D	**220**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-LA	1/27/2023	C/D	**180**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-LA	1/27/2023	C/D	**68**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-LA	1/27/2023	C/D	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-DUP-LA	1/27/2023	C/D	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4W-MED-L2-INT-0 TO 1-230127-FB	1/27/2023	C/D	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-FB	1/27/2023	C/D	**73**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-DUP-FB [b]	1/27/2023	C/D	**71**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-I	1/27/2023	C/D	**67**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-LA	1/27/2023	C/D	**64**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-FB	1/27/2023	C/D	**150**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-LA	1/27/2023	C/D	**160**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-WF	1/27/2023	C/D	**75**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-SS	1/27/2023	C/D	**320**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-CB	1/27/2023	C/D	**190**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L1-HS-3-230127-A	1/27/2023	C/D	**220**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L1-HS-3-230127-G [c]	1/27/2023	C/D	**~~880~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L1-HS-3-230204-G	2/4/2023	C/D	**4.7**	--	--	--	--	--	--	--	--	--
AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-SS	1/27/2023	C/D	**330**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-I [c]	1/27/2023	C/D	**~~960~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-I	2/4/2023	C/D	**3.5**	--	--	--	--	--	--	--	--	--
AFRAME-C4W-EXT-L1-HS-3-230127-A [c]	1/27/2023	C/D	**~~550~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4W-EXT-L1-HS-3-230204-A	2/4/2023	C/D	**21**	--	--	--	--	--	--	--	--	--
AFRAME-C4W-EXT-L1-HS-3-230127-DUP-A	1/27/2023	C/D	**--**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L1-HS-3-230127-A [c]	1/27/2023	C/D	**~~690~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L1-HS-3-230204-A	2/4/2023	C/D	**8.8**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-I [c]	1/27/2023	C/D	**~~710~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-I	2/4/2023	C/D	**8.5**	--	--	--	--	--	--	--	--	--
AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-WF [c]	1/27/2023	C/D	**~~860~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-WF	2/4/2023	C/D	**7.8**	--	--	--	--	--	--	--	--	--
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-LA [c]	1/27/2023	C/D	**~~770~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-LA	2/4/2023	C/D	**14**	--	--	--	--	--	--	--	--	--
AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-FB [c]	1/27/2023	C/D	**~~1500~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-FB	2/4/2023	C/D	**8.6**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-WF [c]	1/27/2023	C/D	**~~1800~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-WF [b]	2/4/2023	C/D	**19**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-DUP-WF [d]	1/27/2023	C/D	**~~1900~~**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-DUP-WF	2/4/2023	C/D	**24**	--	--	--	--	--	--	--	--	--
AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-CB [c]	1/27/2023	C/D	**~~1400~~**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-CB	2/4/2023	C/D	**9.4**	--	--	--	--	--	--	--	--	--

Validated Confirmation Wipe Sampling Results - High Occupancy Area within Zone 3

Hangar 1 NTCRA

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			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Zone)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-FB [c]	1/27/2023	C/D	~~2500~~	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230204-FB	2/4/2023	C/D	13	--	--	--	--	--	--	--	--	--
AFRAME-C3W-MED-L1-DN-C3W-DG-230127-SS [c]	1/27/2023	C/D	~~1700~~	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-MED-L1-DN-C3W-DG-230204-SS	2/4/2023	C/D	15	--	--	--	--	--	--	--	--	--
AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-CB [c]	1/27/2023	C/D	~~820~~	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-CB	2/4/2023	C/D	12	--	--	--	--	--	--	--	--	--
AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-FB	1/27/2023	C/D	380	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L1-DN-C5W-DG-230127-SS [c]	1/27/2023	C/D	~~1100~~	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5W-MED-L1-DN-C5W-DG-230204-SS	2/4/2023	C/D	9.8	--	--	--	--	--	--	--	--	--
AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-LA	4/14/2023	A/B	32	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-I	4/14/2023	A/B	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-LA	4/14/2023	A/B	89	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-FB	4/14/2023	A/B	370	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-DUP-FB [b]	4/14/2023	A/B	140	--	--	--	--	--	--	--	--	--
AFRAME-C4E-MED-L2-INT-1 TO 2-230414-FB	4/14/2023	A/B	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-LA	4/14/2023	A/B	93	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-DUP-LA	4/14/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-WF	4/14/2023	A/B	410	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-LA	4/14/2023	A/B	250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-LA	4/14/2023	A/B	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-FB	4/14/2023	A/B	28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L1-HS-3-230414-G	4/14/2023	A/B	24	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-I	4/14/2023	A/B	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L1-HS-3-230414-A	4/14/2023	A/B	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4E-LAT-L1-HS-3-230414-A	4/14/2023	A/B	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4E-LAT-L1-HS-3-230414-DUP-A	4/14/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-I	4/14/2023	A/B	39	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L1-HS-3-230414-A	4/14/2023	A/B	14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-SS	4/14/2023	A/B	83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-SS	4/14/2023	A/B	49	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-LA	4/14/2023	A/B	78	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-WF [b]	4/14/2023	A/B	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-DUP-WF	4/14/2023	A/B	69	--	--	--	--	--	--	--	--	--
AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-FB	4/14/2023	A/B	54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-LA	4/14/2023	A/B	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-WF	4/14/2023	A/B	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L1-DN-C5E-DG-230414-SS	4/14/2023	A/B	47	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L1-INT-0 TO 1-230414-FB	4/14/2023	A/B	86	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L1-DN-C3E-DG-230414-SS	4/14/2023	A/B	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-CB	4/14/2023	A/B	42	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L1-INT-0 TO 1-230414-FB	4/14/2023	A/B	86	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-LA	4/14/2023	A/B	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-LA	4/14/2023	A/B	63	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-CB	4/14/2023	A/B	32	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-WF [b]	4/14/2023	A/B	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-DUP-WF	4/14/2023	A/B	170	--	--	--	--	--	--	--	--	--
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-WF [b]	4/14/2023	A/B	67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-DUP-WF	4/14/2023	A/B	77	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-LA	4/14/2023	A/B	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-DUP-LA	4/14/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C4E-MED-L3-INT-0 TO 1-230414-WF	4/14/2023	A/B	97	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-LA	4/14/2023	A/B	69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-LA	4/14/2023	A/B	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Validated Confirmation Wipe Sampling Results - High Occupancy Area within Zone 3

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (High Occupancy Zone)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-DUP-LA	4/14/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-WF	4/14/2023	A/B	**170**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-LA	4/14/2023	A/B	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
95-Percent UCL (High Occupancy) [e]			**146.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230126-MEDBLANK1 [f]	1/26/2023	C/D	**3.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230127-MEDBLANK2 [f]	1/27/2023	C/D	**6.2**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230414-MEDBLANK1 [f]	4/14/2023	A/B	**2.2**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230414-MEDBLANK2 [f]	4/14/2023	A/B	**0.91**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Acronyms and Abbreviations:

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

µg/100 cm^2: micrograms per 100 square centimeters

µg/ft^2: micrograms per square foot

UCL: Upper Confidence Limit

UFP-QAPP: Uniform Federal Policy Quality Assurance Project Plan

U.S. EPA: United States Environmental Protection Agency

-- : Not collected/not applicable

Notes:

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

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

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

[c] 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.

[d] The indicated sample is the duplicate sample for the original sample collected at location AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-WF.

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

[f] These samples are referred to as field blank samples in the Zone 3 High Occupancy Data Summary Submittal Report, because they were collected within the enclosure and more accurately represent ambient enclosure conditions during sampling rather than impacts to the sampling media itself.

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: 483449
Report Level: IV
Report Date: 04/25/2023

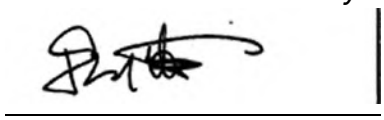
PCBs

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 #:	483449
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA	483449-001	04/14/23 09:55	Wipe
AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB	483449-003	04/14/23 09:45	Wipe
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF	483449-005	04/14/23 09:30	Wipe
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-P-WF	483449-008	04/14/23 09:10	Wipe
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA	483449-011	04/14/23 10:20	Wipe
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-DUP-LA	483449-012	04/14/23 10:20	Wipe
AFRAME-C4E-MED-L3-INT-0 TO 1-230414-P-WF	483449-014	04/14/23 10:10	Wipe
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-LA	483449-016	04/14/23 09:30	Wipe
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-DUP-LA	483449-017	04/14/23 09:30	Wipe
AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-P-LA	483449-019	04/14/23 10:50	Wipe
AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF	483449-021	04/14/23 09:50	Wipe
AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA	483449-023	04/14/23 10:40	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 483449 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 04/17/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 04/18/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

483449

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (PB)	custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA	4/14/2023	0955	WP	1	--	X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)
2	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-L-LA	4/14/2023	0955	WP	1	--		X		
3	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB	4/14/2023	ER 0945	WP	1	--	X			
4	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB	4/14/2023	0945	WP	1	--		X		
5	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF	4/14/2023	0930	WP	1	--	X			
6	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF	4/14/2023	0930	WP	1	--		X		
7	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF	4/14/2023	0930	WP	1	--		X		
8	AFRAME-C3E-MED-L3-EXT-1 TO 2-230414-P-WF	4/14/2023	0910	WP	1	--	X			
9	AFRAME-C3E-MED-L3-EXT-1 TO 2-230414-L-WF	4/14/2023	0910	WP	1	--		X		
10	AFRAME-C3E-MED-L3-EXT-1 TO 2-230414-L-DUP-WF	4/14/2023	0910	WP	1	--		X		
11	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA	4/14/2023	1020	WP	1	--	X			
12	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-DUP-LA	4/14/2023	1020	WP	1	--	X			
13	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA	4/14/2023	1020	WP	1	--		X		
14	AFRAME-C4E-MED-L3-EXT-0 TO 1-230414-P-WF	4/14/2023	1010	WP	1	--	X			
15	AFRAME-C4E-MED-L3-EXT-0 TO 1-230414-L-WP	4/14/2023	1010	WP	1	--		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	4/17/23 1400
1 Received By:		AUDREY HUDSON	ENTHALPY	4/17/23 1400
2 Relinquished By:		"	"	4/17/23 1708
2 Received By:				4/17/23 1705
3 Relinquished By:			EA	4/17/23 1834
3 Received By:				4/18/23 0940

4834'49

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD
16	~~AFRAME-C4E-MED-L2-HS-1-230414-P~~	~~4/14/2023~~		WP	1	--	X		
17	~~AFRAME-C4E-MED-L2-HS-T-230414-L~~	~~4/14/2023~~		WP	1	--		X	
18	AFRAME-C3E-LAT-L3-DN-C3E-DG-230414-P-LA	4/14/2023	0930	WP	1	--	X		
19	AFRAME-C3E-LAT-L3-DN-C3E-DG-230414-P-DUP-LA	4/14/2023	0930	WP	1	--	X		
20	AFRAME-C3E-LAT-L3-DN-C3E-DG-230414-L-LA	4/14/2023	0930	WP	1	--		X	
21	AFRAME-C3E-MED-L3-DN-C3.3-DG-230414-P-LA	4/14/2023	1050	WP	1	--	X		
22	AFRAME-C3E-MED-L3-DN-C3.3-DG-230414-L-LA	4/14/2023	1050	WP	1	--		X	
23	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF	4/14/2023	0950	WP	1	--	X		
24	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF	4/14/2023	0950	WP	1	--		X	
25	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA	4/14/23	1040	WP	1	—	X		
26	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA	4/14/23	1040	WP	1	—		X	
27									
28									
29									
30									

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Simnott	Tyler Simnott	Rincon / Envi. Scientist	4/17/23 / 1700
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/23 1701
2 Relinquished By:	Audrey Hudson	"	"	4/17/23 1708
2 Received By:		Marcus Kim	BA	4/17/23 1709
3 Relinquished By:		Lindsay	EA	4/17/23 1814
3 Received By:				

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

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 483449 Client: Rincon

Date Received: 4-17 Project: _____

Section 2: Shipping info (if applicable) _____

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

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

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

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

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

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

If in cooler: Date Opened 4/17 By (print) JH (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 1.0, #2: 1.5, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 4/17/23 **By (print)** VEF for MP **(sign)** _____

Date Labeled 4/17/23 **By (print)** VEF **(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: 4/18/2023 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.1 #2: - #3: - #4: -

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

Shipping Information: Southwest Airlines

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

(483449)

Section 6

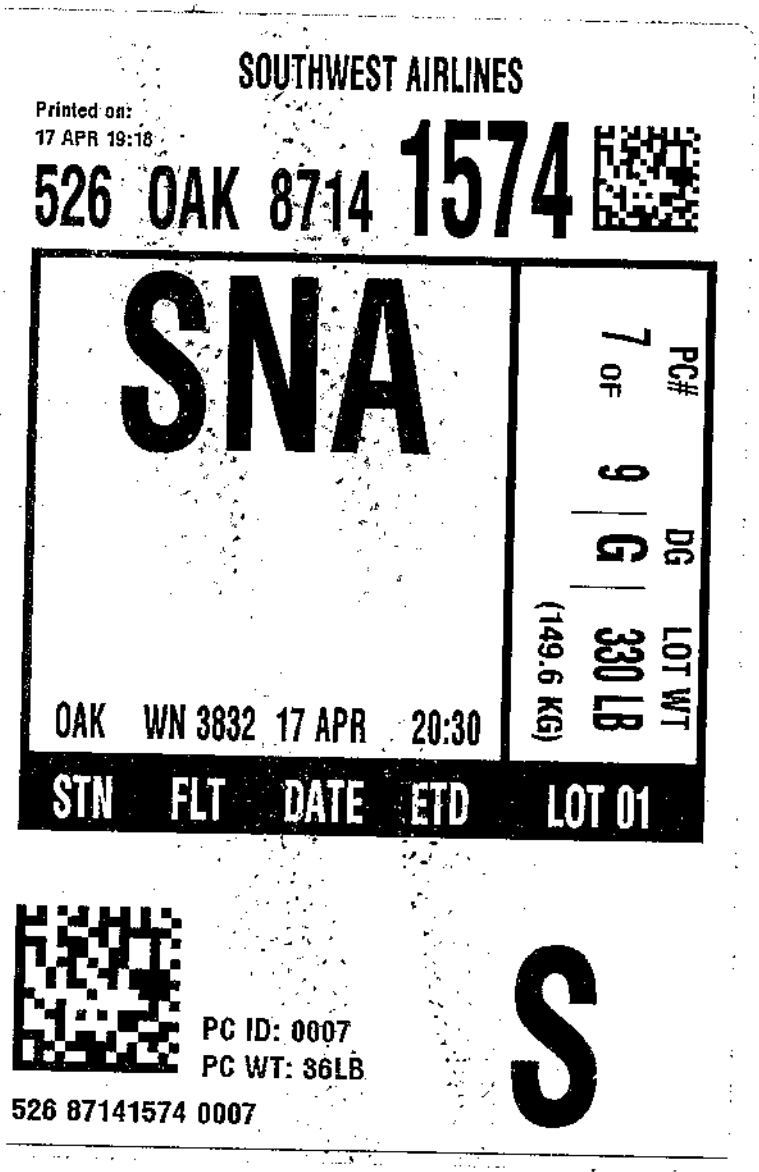
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

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

Project Manager's response:

Completed By: _____ Date: _____

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:
17 APR 19:18
526 OAK 8714 1574
SNA
PC# 7 OF 9
DG G
LOT WT 330 LB (149.6 KG)
OAK WN 3832 17 APR 20:30
STN FLT DATE ETD LOT 01
PC ID: 0007
PC WT: 36LB
526 87141574 0007
S

2.6 / 5.1

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-001 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/18/23

483449-001 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

483449-001 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	52	19-121

Field ID: AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-003 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/18/23

483449-003 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

483449-003 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-005 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/18/23

483449-005 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

483449-005 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	57	19-121

Field ID: AFRAME-C3E-MED-L3-INT-1 TO 2-230414-P-WF **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-008 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-008 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

483449-008 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	45	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-011 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-011 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

483449-011 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	42	19-121

Field ID: AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-DUP-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-012 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-012 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	47	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C4E-MED-L3-INT-0 TO 1-230414-P-WF **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-014 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-014 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	42	19-121

Field ID: AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-016 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-016 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-DUP-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-017 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

Dil Fac: 1.000 **Analyzed:** 04/19/23

483449-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-017 Surrogate	%REC	Limits
TCMX (PCB)	78	19-121
Decachlorobiphenyl (PCB)	55	19-121

Field ID: AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-P-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-019 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

Dil Fac: 1.000 **Analyzed:** 04/19/23

483449-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-019 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	51	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-021 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-021 Surrogate	%REC	Limits
TCMX (PCB)	78	19-121
Decachlorobiphenyl (PCB)	60	19-121

Field ID: AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA **Batch#:** 312006 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483449-023 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/18/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483449-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483449-023 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483449 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 312006 **Analysis:** EPA 8082

Lab ID: QC1059364 **Prepared:** 04/18/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/24/23

DilN Fac: 1.000 **Prep:** EPA 3546

QC1059364 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

QC1059364 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	70	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 483449 **Project#:** 20-10491

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

Type: BS **Batch#:** 312006 **Analysis:** EPA 8082

Lab ID: QC1059366 **Prepared:** 04/18/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/24/23

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

QC1059366 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.611	92	60-140	ug/100 cm2
Aroclor-1260	5.000	5.020	100	60-140	ug/100 cm2

QC1059366 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	91	19-121

Type: BSD **Batch#:** 312006 **Analysis:** EPA 8082

Lab ID: QC1059367 **Prepared:** 04/18/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/24/23

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

QC1059367 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.425	89	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.782	96	60-140	ug/100 cm2	5	20

QC1059367 Surrogate	%REC	Limits
TCMX (PCB)	78	19-121
Decachlorobiphenyl (PCB)	89	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_040723026	453140432026		07-APR-2023 22:30	S18179
L2	gc06_040723027	453140432027		07-APR-2023 22:48	S18180
L3	gc06_040723028	453140432028		07-APR-2023 23:07	S18181
L4	gc06_040723029	453140432029		07-APR-2023 23:25	S18182
L5	gc06_040723030	453140432030		07-APR-2023 23:43	S18183
L6	gc06_040723031	453140432031		08-APR-2023 00:01	S18184
L7	gc06_040723032	453140432032		08-APR-2023 00:19	S18185
L8	gc06_040723033	453140432033		08-APR-2023 00:38	S18186
L9	gc06_040723034	453140432034		08-APR-2023 00:56	S18187
L10	gc06_040723035	453140432035		08-APR-2023 01:14	S18188

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		48.0742		0.0208	15	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.4068		0.0446	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.0122		0.0555	17	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.4979		0.0408	15	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		41.7696		0.0239	16	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.0061		0.0666	18	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.92872		0.1007	19	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.87885		0.1012	14	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		15.9617		0.0627	16	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		7.39310		0.1353	18	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.70953		1.4094	18	10	.99	20	
TCMX (PCB)	A	AVRG		0.97894		1.0215	14	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.6431		0.0206	18	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.0663		0.0434	13	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.1793		0.0550	14	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.2699		0.0396	16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		30.6873		0.0326	17	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.5250		0.0571	14	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.1656		0.0706	17	10	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5045		0.0869	11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.6096		0.0510	13	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		12.0781		0.0828	17	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.89841		1.1131	16	10	.99	20	
TCMX (PCB)	B	AVRG		1.00972		0.9904	7	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A		0.0254	0.0242	0.0241	0.0212	0.0205	0.0191	0.0182	0.0174	0.0172
Aroclor-1016 Peak # 2	A			0.0606	0.0551	0.0463	0.0437	0.0404	0.0382	0.0366	0.0360
Aroclor-1016 Peak # 3	A		0.0725	0.0649	0.0624	0.0552	0.0540	0.0498	0.0473	0.0469	0.0466
Aroclor-1016 Peak # 4	A		0.0508	0.0465	0.0462	0.0416	0.0409	0.0377	0.0356	0.0345	0.0337
Aroclor-1016 Peak # 5	A		0.0301	0.0269	0.0279	0.0251	0.0241	0.0221	0.0206	0.0197	0.0192
Aroclor-1260 Peak # 1	A		0.0863	0.0771	0.0784	0.0680	0.0668	0.0600	0.0562	0.0550	0.0520
Aroclor-1260 Peak # 2	A		0.1326	0.1160	0.1195	0.1060	0.1004	0.0891	0.0833	0.0823	0.0773
Aroclor-1260 Peak # 3	A		0.1222	0.1062	0.1214	0.1043	0.1028	0.0935	0.0883	0.0884	0.0839
Aroclor-1260 Peak # 4	A	0.0749	0.0770	0.0710	0.0701	0.0618	0.0614	0.0556	0.0525	0.0524	0.0497
Aroclor-1260 Peak # 5	A	0.1711	0.1736	0.1523	0.1466	0.1271	0.1280	0.1166	0.1116	0.1147	0.1112
Decachlorobiphenyl (PCB)	A	1.8578	1.7296	1.5892	1.5094	1.3779	1.3734	1.2051	1.1524	1.1760	1.1229
TCMX (PCB)	A		1.3256	1.1834	1.0782	0.9468	0.9644	0.9276	0.8997	0.9157	0.9522
Aroclor-1016 Peak # 1	B		0.0291	0.0224	0.0225	0.0204	0.0199	0.0187	0.0179	0.0172	0.0170
Aroclor-1016 Peak # 2	B	0.0513	0.0504	0.0478	0.0475	0.0436	0.0426	0.0399	0.0379	0.0364	0.0362
Aroclor-1016 Peak # 3	B	0.0704	0.0622	0.0588	0.0592	0.0538	0.0535	0.0494	0.0483	0.0466	0.0479
Aroclor-1016 Peak # 4	B	0.0536	0.0444	0.0417	0.0420	0.0388	0.0385	0.0360	0.0342	0.0333	0.0331
Aroclor-1016 Peak # 5	B	0.0452	0.0380	0.0341	0.0341	0.0314	0.0316	0.0294	0.0279	0.0272	0.0270
Aroclor-1260 Peak # 1	B		0.0699	0.0644	0.0649	0.0587	0.0571	0.0528	0.0496	0.0486	0.0476
Aroclor-1260 Peak # 2	B	0.0899	0.0863	0.0783	0.0784	0.0696	0.0678	0.0623	0.0588	0.0578	0.0568
Aroclor-1260 Peak # 3	B	0.0968	0.0998	0.0926	0.0936	0.0855	0.0853	0.0789	0.0750	0.0749	
Aroclor-1260 Peak # 4	B	0.0599	0.0605	0.0564	0.0564	0.0498	0.0496	0.0461	0.0440	0.0437	0.0437
Aroclor-1260 Peak # 5	B	0.1088	0.0976	0.0848	0.0895	0.0888	0.0811	0.0723	0.0688	0.0700	0.0663
Decachlorobiphenyl (PCB)	B	1.4041	1.3254	1.1995	1.2025	1.1290	1.1109	0.9816	0.9301	0.9470	0.9007
TCMX (PCB)	B	1.1226	1.0937	1.0124	1.0070	0.9480	0.9693	0.9429	0.9220	0.9240	0.9619

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	**Ch**	**L1**	**%D**	**L2**	**%D**	**L3**	**%D**	**L4**	**%D**	**L5**	**%D**	**L6**	**%D**	**L7**	**%D**	**L8**	**%D**
Aroclor-1016 Peak # 1	A			20.000	**22**	50.000	16	100.00	16	250.00	2	500.00	-1	749.91	-8	1000.0	-13
Aroclor-1016 Peak # 2	A					50.000	**36**	100.00	**24**	250.00	4	500.00	-2	749.91	-9	1000.0	-14
Aroclor-1016 Peak # 3	A			20.000	**31**	50.000	17	100.00	12	250.00	-1	500.00	-3	749.91	-10	1000.0	-15
Aroclor-1016 Peak # 4	A			20.000	**24**	50.000	14	100.00	13	250.00	2	500.00	0	749.91	-8	1000.0	-13
Aroclor-1016 Peak # 5	A			20.000	**26**	50.000	12	100.00	16	250.00	5	500.00	0	749.91	-8	1000.0	-14
Aroclor-1260 Peak # 1	A			20.000	**29**	50.000	16	100.00	18	250.00	2	500.00	0	749.91	-10	1000.0	-16
Aroclor-1260 Peak # 2	A			20.000	**32**	50.000	15	100.00	19	250.00	5	500.00	0	749.91	-12	1000.0	-17
Aroclor-1260 Peak # 3	A			20.000	**21**	50.000	5	100.00	20	250.00	3	500.00	2	749.91	-8	1000.0	-13
Aroclor-1260 Peak # 4	A	10.000	20	20.000	**23**	50.000	13	100.00	12	250.00	-1	500.00	-2	749.91	-11	1000.0	-16
Aroclor-1260 Peak # 5	A	10.000	**26**	20.000	**28**	50.000	13	100.00	8	250.00	-6	500.00	-5	749.91	-14	1000.0	-17
Decachlorobiphenyl (PCB)	A	0.8000	**32**	1.6000	**23**	4.0000	13	8.0000	7	20.000	-2	40.000	-3	59.993	-14	80.000	-18
TCMX (PCB)	A			1.6000	**30**	4.0000	16	8.0000	6	20.000	-7	40.000	-6	59.993	-9	80.000	-12
Aroclor-1016 Peak # 1	B			20.000	**42**	50.000	9	100.00	9	250.00	-1	500.00	-3	749.91	-9	1000.0	-13
Aroclor-1016 Peak # 2	B	10.000	18	20.000	16	50.000	10	100.00	10	250.00	1	500.00	-2	749.91	-8	1000.0	-13
Aroclor-1016 Peak # 3	B	10.000	**28**	20.000	13	50.000	7	100.00	8	250.00	-2	500.00	-3	749.91	-10	1000.0	-12
Aroclor-1016 Peak # 4	B	10.000	**35**	20.000	12	50.000	5	100.00	6	250.00	-2	500.00	-3	749.91	-9	1000.0	-13
Aroclor-1016 Peak # 5	B	10.000	**39**	20.000	17	50.000	5	100.00	5	250.00	-4	500.00	-3	749.91	-10	1000.0	-14
Aroclor-1260 Peak # 1	B			20.000	**22**	50.000	13	100.00	14	250.00	3	500.00	0	749.91	-8	1000.0	-13
Aroclor-1260 Peak # 2	B	10.000	**27**	20.000	**22**	50.000	11	100.00	11	250.00	-1	500.00	-4	749.91	-12	1000.0	-17
Aroclor-1260 Peak # 3	B	10.000	11	20.000	15	50.000	7	100.00	8	250.00	-2	500.00	-2	749.91	-9	1000.0	-14
Aroclor-1260 Peak # 4	B	10.000	17	20.000	19	50.000	11	100.00	11	250.00	-2	500.00	-3	749.91	-10	1000.0	-14
Aroclor-1260 Peak # 5	B	10.000	**31**	20.000	18	50.000	2	100.00	8	250.00	7	500.00	-2	749.91	-13	1000.0	-17
Decachlorobiphenyl (PCB)	B	0.8000	**26**	1.6000	19	4.0000	8	8.0000	8	20.000	1	40.000	0	59.993	-12	80.000	-16
TCMX (PCB)	B	0.8000	13	1.6000	10	4.0000	2	8.0000	2	20.000	-4	40.000	-2	59.993	-5	80.000	-7

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 2	A	1500.0	-18	2000.0	-19
Aroclor-1016 Peak # 3	A	1500.0	-16	2000.0	-16
Aroclor-1016 Peak # 4	A	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 5	A	1500.0	-18	2000.0	-20
Aroclor-1260 Peak # 1	A	1500.0	-17	2000.0	**-22**
Aroclor-1260 Peak # 2	A	1500.0	-18	2000.0	**-23**
Aroclor-1260 Peak # 3	A	1500.0	-13	2000.0	-17
Aroclor-1260 Peak # 4	A	1500.0	-16	2000.0	**-21**
Aroclor-1260 Peak # 5	A	1500.0	-15	2000.0	-18
Decachlorobiphenyl (PCB)	A	120.00	-17	160.00	-20
TCMX (PCB)	A	120.00	-10	160.00	-7
Aroclor-1016 Peak # 1	B	1500.0	-16	2000.0	-17
Aroclor-1016 Peak # 2	B	1500.0	-16	2000.0	-17
Aroclor-1016 Peak # 3	B	1500.0	-15	2000.0	-13
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-16
Aroclor-1016 Peak # 5	B	1500.0	-17	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-15	2000.0	-17
Aroclor-1260 Peak # 2	B	1500.0	-18	2000.0	-20
Aroclor-1260 Peak # 3	B	1500.0	-14		
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-20
Decachlorobiphenyl (PCB)	B	120.00	-15	160.00	-19
TCMX (PCB)	B	120.00	-7	160.00	-3

TRN 04/09/23 : Manually integrated for coeluting peaks, negative/tailing peak, automatic draw baseline for one/both channels on multiple levels

Analyst: TRN 04/09/23

Reviewer: LW 04/10/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_040723_1
Calnum:	453140432001	Cal Date:	07-APR-2023

- ICV 453140432037 (gc06_040723037 08-APR-2023) stds: S18189

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	514.1	ug/L	3	15	
Aroclor-1260	A	500.0	529.0	ug/L	6	15	
Aroclor-1016	B	500.0	515.5	ug/L	3	15	
Aroclor-1260	B	500.0	542.4	ug/L	8	15	

-

Analyst: TRN 04/09/23 **Reviewer:** LW 04/10/23

ENTHALPY CONTINUING CALIBRATION FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453156076004	File:	gc06_041823004	Time:	18-APR-2023 09:53
Cal:	453140432001	Caldate:	07-APR-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	537.7	ug/L	8	15	0.0000	
Aroclor-1260	A			500.0	570.5	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.6846	40.00	47.81	ug/L	**20**	15	0.0000	c+
TCMX (PCB)	A	1.0215	0.9892	40.00	38.74	ug/L	-3	15	0.0000	
Aroclor-1016	B			500.0	488.6	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	550.5	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.3171	40.00	47.33	ug/L	**18**	15	0.0000	c+
TCMX (PCB)	B	0.9904	0.9301	40.00	37.57	ug/L	-6	15	0.0000	

ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	8257104	1.18
1-bromo-2-nitrobenzene (PCB)	A	2292783	2167699	-5.46

+=high bias c=CCV

Analyst: MES 04/19/23 **Reviewer:** LW 04/19/23

ENTHALPY CONTINUING CALIBRATION FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453156076055	File:	gc06_041823055	Time:	19-APR-2023 01:13
Cal:	453140432001	Caldate:	07-APR-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	553.5	ug/L	11	15	0.0000	
Aroclor-1260	A			500.0	536.2	ug/L	7	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.4943	40.00	42.41	ug/L	6	15	0.0000	
TCMX (PCB)	A	1.0215	1.0800	40.00	42.29	ug/L	6	15	0.0000	
Aroclor-1016	B			500.0	523.7	ug/L	5	15	0.0000	
Aroclor-1260	B			500.0	485.5	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.1036	40.00	39.66	ug/L	-1	15	0.0000	
TCMX (PCB)	B	0.9904	1.0315	40.00	41.66	ug/L	4	15	0.0000	

ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	11797408	44.57
1-bromo-2-nitrobenzene (PCB)	A	2292783	3171036	38.31

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

ENTHALPY CONTINUING CALIBRATION FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453164853004	File:	gc06_042423004	Time:	24-APR-2023 12:10
Cal:	453140432001	Caldate:	07-APR-2023		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	491.7	ug/L	-2	15	0.0000	
Aroclor-1260	A			500.0	466.4	ug/L	-7	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.4874	40.00	42.21	ug/L	6	15	0.0000	
TCMX (PCB)	A	1.0215	0.9605	40.00	37.61	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	474.4	ug/L	-5	15	0.0000	
Aroclor-1260	B			500.0	488.5	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.1454	40.00	41.16	ug/L	3	15	0.0000	
TCMX (PCB)	B	0.9904	0.9174	40.00	37.05	ug/L	-7	15	0.0000	

ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	9620389	17.89
1-bromo-2-nitrobenzene (PCB)	A	2292783	2881173	25.66

TRN 04/24/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

Analyst: TRN 04/24/23 **Reviewer:** MTS 04/25/23

Enthalpy Internal Standard Summary for Sequence 453156076

Date:	04/18/23	Reference:	gc06_040723028
Sequence:	SVOA-GC06 gc06_041823	Analyzed:	04/07/23 23:07

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8160408	2292783
		LOWER LIMIT	4080204	1146391
		UPPER LIMIT	16320815	4585566
004	CCV		8257104	2167699
055	CCV		11797408	3171036

Enthalpy Internal Standard Summary for Sequence 453156076

Date: 04/18/23 Reference: gc06_041823004
Sequence: SVOA-GC06 gc06_041823 Analyzed: 04/18/23 09:53

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8257104	2167699
		LOWER LIMIT	4128552	1083849
		UPPER LIMIT	16514207	4335398
012	BLANK	QC1059079	7146596	2202588
012	BLANK	QC1059079	7146596	2202588
016	LCS	QC1059193	6625365	2253968
017	MS	QC1059194	7614671	2733571
018	MSD	QC1059195	6908015	2568964
019	BLANK	QC1059079	6957188	1899989
020	LCS	QC1059193	7108186	1945993
022	MSS	483404-001	6520469	1801158
023	MSS	483440-001	7157155	1922021
024	SAMPLE	482902-008	7628514	2074853
024	SAMPLE	482902-008	7628514	2074853
025	SAMPLE	482902-009	7592457	2036892
025	SAMPLE	482902-009	7592457	2036892
026	SAMPLE	483414-001	6993791	1908361
027	SAMPLE	483414-002	7538476	2116728
028	SAMPLE	483414-004	5943438	1669398
029	SAMPLE	483414-005	7422720	1886229
030	SAMPLE	483441-001	5828462	1613073
031	SAMPLE	483441-002	7189128	2680187
032	SAMPLE	483456-001	7983416	1769352
033	SAMPLE	483456-002	5847319	1548527
034	SAMPLE	483456-003	5536296	2480007
035	SAMPLE	483456-004	5241471	1634128
036	SAMPLE	483456-005	6667853	2511541
037	SAMPLE	483456-006	6647923	1826342
038	SAMPLE	483456-007	8182750	1868089
039	BLANK	QC1059364	7769367	2121930
040	BS	QC1059366	7812659	2014478
041	BSD	QC1059367	7192864	2006656
042	SAMPLE	483449-001	7459864	2129557
043	SAMPLE	483449-003	7362546	2221660
044	SAMPLE	483449-005	7404018	2093839
045	SAMPLE	483449-008	7101964	2101453
046	SAMPLE	483449-011	7298258	2098607
047	SAMPLE	483449-012	7546570	2106319
048	SAMPLE	483449-014	7051558	1916558
049	SAMPLE	483449-016	7401047	1966135
050	SAMPLE	483449-017	6853685	1884878
051	SAMPLE	483449-019	7229454	1916046
052	SAMPLE	483449-021	7716691	2057327
053	SAMPLE	483449-023	7765425	2129598

Enthalpy Internal Standard Summary for Sequence 453156076

Date: 04/18/23 Reference: gc06_041823004
Sequence: SVOA-GC06 gc06_041823 Analyzed: 04/18/23 09:53

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.51	4.30
		LOWER LIMIT	4.31	4.10
		UPPER LIMIT	4.71	4.50
012	BLANK	QC1059079	4.51	4.30
016	LCS	QC1059193	4.51	4.30
017	MS	QC1059194	4.51	4.30
018	MSD	QC1059195	4.51	4.30
019	BLANK	QC1059079	4.51	4.30
020	LCS	QC1059193	4.51	4.30
022	MSS	483404-001	4.51	4.30
023	MSS	483440-001	4.51	4.30
024	SAMPLE	482902-008	4.51	4.30
025	SAMPLE	482902-009	4.51	4.30
026	SAMPLE	483414-001	4.51	4.30
027	SAMPLE	483414-002	4.51	4.30
028	SAMPLE	483414-004	4.51	4.30
029	SAMPLE	483414-005	4.51	4.30
030	SAMPLE	483441-001	4.51	4.30
031	SAMPLE	483441-002	4.51	4.30
032	SAMPLE	483456-001	4.51	4.30
033	SAMPLE	483456-002	4.51	4.30
034	SAMPLE	483456-003	4.51	4.30
035	SAMPLE	483456-004	4.51	4.29
036	SAMPLE	483456-005	4.51	4.30
037	SAMPLE	483456-006	4.51	4.30
038	SAMPLE	483456-007	4.51	4.30
039	BLANK	QC1059364	4.51	4.30
040	BS	QC1059366	4.51	4.30
041	BSD	QC1059367	4.51	4.30
042	SAMPLE	483449-001	4.51	4.30
043	SAMPLE	483449-003	4.51	4.30
044	SAMPLE	483449-005	4.51	4.30
045	SAMPLE	483449-008	4.51	4.30
046	SAMPLE	483449-011	4.51	4.30
047	SAMPLE	483449-012	4.51	4.30
048	SAMPLE	483449-014	4.51	4.30
049	SAMPLE	483449-016	4.51	4.30
050	SAMPLE	483449-017	4.51	4.30
051	SAMPLE	483449-019	4.51	4.30
052	SAMPLE	483449-021	4.51	4.30
053	SAMPLE	483449-023	4.51	4.30

Enthalpy Internal Standard Summary for Sequence 453156076

Date: 04/18/23 Reference: gc06_041823008
Sequence: SVOA-GC06 gc06_041823 Analyzed: 04/18/23 10:51

#	Type	Sample ID	1BR2NITROBZ1242 A	1BR2NITROBZ1242 B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	2437259	9008605
		LOWER LIMIT	1218629	4504303
		UPPER LIMIT	4874518	18017210
012	BLANK	QC1059079		
012	BLANK	QC1059079		
019	BLANK	QC1059079		
022	MSS	483404-001		
023	MSS	483440-001		
024	SAMPLE	482902-008		
024	SAMPLE	482902-008		
025	SAMPLE	482902-009		
025	SAMPLE	482902-009		
026	SAMPLE	483414-001		
027	SAMPLE	483414-002		
028	SAMPLE	483414-004		
029	SAMPLE	483414-005		
030	SAMPLE	483441-001		
031	SAMPLE	483441-002		
032	SAMPLE	483456-001		
033	SAMPLE	483456-002		
034	SAMPLE	483456-003		
035	SAMPLE	483456-004		
036	SAMPLE	483456-005	2511541	8671902
037	SAMPLE	483456-006		
038	SAMPLE	483456-007		
039	BLANK	QC1059364		
042	SAMPLE	483449-001		
043	SAMPLE	483449-003		
044	SAMPLE	483449-005		
045	SAMPLE	483449-008		
046	SAMPLE	483449-011		
047	SAMPLE	483449-012		
048	SAMPLE	483449-014		
049	SAMPLE	483449-016		
050	SAMPLE	483449-017		
051	SAMPLE	483449-019		
052	SAMPLE	483449-021		
053	SAMPLE	483449-023		
064	SAMPLE	483449-008		
065	SAMPLE	483449-011		
066	SAMPLE	483449-012		
067	SAMPLE	483449-014		
068	SAMPLE	483449-016		
069	SAMPLE	483449-017		
070	SAMPLE	483449-019		
071	SAMPLE	483449-021		
072	SAMPLE	483449-023		

Enthalpy Internal Standard Summary for Sequence 453156076

Date:	04/18/23	Reference:	gc06_041823008
Sequence:	SVOA-GC06 gc06_041823	Analyzed:	04/18/23 10:51

#	Type	Sample ID	1BR2NITROBZ1242 A RT	1BR2NITROBZ1242 B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.30	4.51
		LOWER LIMIT	4.10	4.31
		UPPER LIMIT	4.50	4.71
012	BLANK	QC1059079		
019	BLANK	QC1059079		
022	MSS	483404-001		
023	MSS	483440-001		
024	SAMPLE	482902-008		
025	SAMPLE	482902-009		
026	SAMPLE	483414-001		
027	SAMPLE	483414-002		
028	SAMPLE	483414-004		
029	SAMPLE	483414-005		
030	SAMPLE	483441-001		
031	SAMPLE	483441-002		
032	SAMPLE	483456-001		
033	SAMPLE	483456-002		
034	SAMPLE	483456-003		
035	SAMPLE	483456-004		
036	SAMPLE	483456-005	4.30	4.51
037	SAMPLE	483456-006		
038	SAMPLE	483456-007		
039	BLANK	QC1059364		
042	SAMPLE	483449-001		
043	SAMPLE	483449-003		
044	SAMPLE	483449-005		
045	SAMPLE	483449-008		
046	SAMPLE	483449-011		
047	SAMPLE	483449-012		
048	SAMPLE	483449-014		
049	SAMPLE	483449-016		
050	SAMPLE	483449-017		
051	SAMPLE	483449-019		
052	SAMPLE	483449-021		
053	SAMPLE	483449-023		
064	SAMPLE	483449-008		
065	SAMPLE	483449-011		
066	SAMPLE	483449-012		
067	SAMPLE	483449-014		
068	SAMPLE	483449-016		
069	SAMPLE	483449-017		
070	SAMPLE	483449-019		
071	SAMPLE	483449-021		
072	SAMPLE	483449-023		

Enthalpy Internal Standard Summary for Sequence 453156076

Date: 04/18/23 Reference: gc06_041823009
Sequence: SVOA-GC06 gc06_041823 Analyzed: 04/18/23 11:09

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8735054	2387453
		LOWER LIMIT	4367527	1193726
		UPPER LIMIT	17470107	4774905
012	BLANK	QC1059079		
012	BLANK	QC1059079		
019	BLANK	QC1059079		
022	MSS	483404-001		
023	MSS	483440-001		
024	SAMPLE	482902-008		
024	SAMPLE	482902-008		
025	SAMPLE	482902-009	6628039	1948882
025	SAMPLE	482902-009	6628039	1948882
026	SAMPLE	483414-001		
027	SAMPLE	483414-002		
028	SAMPLE	483414-004		
029	SAMPLE	483414-005		
030	SAMPLE	483441-001		
031	SAMPLE	483441-002		
032	SAMPLE	483456-001		
033	SAMPLE	483456-002		
034	SAMPLE	483456-003		
035	SAMPLE	483456-004		
036	SAMPLE	483456-005		
037	SAMPLE	483456-006		
038	SAMPLE	483456-007		
039	BLANK	QC1059364		
042	SAMPLE	483449-001		
043	SAMPLE	483449-003		
044	SAMPLE	483449-005		
045	SAMPLE	483449-008		
046	SAMPLE	483449-011		
047	SAMPLE	483449-012		
048	SAMPLE	483449-014		
049	SAMPLE	483449-016		
050	SAMPLE	483449-017		
051	SAMPLE	483449-019		
052	SAMPLE	483449-021		
053	SAMPLE	483449-023		
064	SAMPLE	483449-008		
065	SAMPLE	483449-011		
066	SAMPLE	483449-012		
067	SAMPLE	483449-014		
068	SAMPLE	483449-016		
069	SAMPLE	483449-017		
070	SAMPLE	483449-019		
071	SAMPLE	483449-021		
072	SAMPLE	483449-023		

Enthalpy Internal Standard Summary for Sequence 453156076

Date:	04/18/23	Reference:	gc06_041823009
Sequence:	SVOA-GC06 gc06_041823	Analyzed:	04/18/23 11:09

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.51	4.30
		LOWER LIMIT	4.31	4.10
		UPPER LIMIT	4.71	4.50
012	BLANK	QC1059079		
019	BLANK	QC1059079		
022	MSS	483404-001		
023	MSS	483440-001		
024	SAMPLE	482902-008		
025	SAMPLE	482902-009	4.51	4.30
026	SAMPLE	483414-001		
027	SAMPLE	483414-002		
028	SAMPLE	483414-004		
029	SAMPLE	483414-005		
030	SAMPLE	483441-001		
031	SAMPLE	483441-002		
032	SAMPLE	483456-001		
033	SAMPLE	483456-002		
034	SAMPLE	483456-003		
035	SAMPLE	483456-004		
036	SAMPLE	483456-005		
037	SAMPLE	483456-006		
038	SAMPLE	483456-007		
039	BLANK	QC1059364		
042	SAMPLE	483449-001		
043	SAMPLE	483449-003		
044	SAMPLE	483449-005		
045	SAMPLE	483449-008		
046	SAMPLE	483449-011		
047	SAMPLE	483449-012		
048	SAMPLE	483449-014		
049	SAMPLE	483449-016		
050	SAMPLE	483449-017		
051	SAMPLE	483449-019		
052	SAMPLE	483449-021		
053	SAMPLE	483449-023		
064	SAMPLE	483449-008		
065	SAMPLE	483449-011		
066	SAMPLE	483449-012		
067	SAMPLE	483449-014		
068	SAMPLE	483449-016		
069	SAMPLE	483449-017		
070	SAMPLE	483449-019		
071	SAMPLE	483449-021		
072	SAMPLE	483449-023		

Enthalpy Internal Standard Summary for Sequence 453156076

Date:	04/18/23	Reference:	gc06_041823055
Sequence:	SVOA-GC06 gc06_041823	Analyzed:	04/19/23 01:13

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	11797408	3171036
		LOWER LIMIT	5898704	1585518
		UPPER LIMIT	23594815	6342072
064	SAMPLE	483449-008	7590273	2039010
065	SAMPLE	483449-011	7981661	2117673
066	SAMPLE	483449-012	7706051	2050123
067	SAMPLE	483449-014	7010374	1868614
068	SAMPLE	483449-016	6930484	1831061
069	SAMPLE	483449-017	7152397	1899207
070	SAMPLE	483449-019	6889525	1791039
071	SAMPLE	483449-021	7834308	2068608
072	SAMPLE	483449-023	7794522	2055861

Enthalpy Internal Standard Summary for Sequence 453156076

Date:	04/18/23	Reference:	gc06_041823055
Sequence:	SVOA-GC06 gc06_041823	Analyzed:	04/19/23 01:13

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.51	4.30
		LOWER LIMIT	4.31	4.10
		UPPER LIMIT	4.71	4.50
064	SAMPLE	483449-008	4.51	4.30
065	SAMPLE	483449-011	4.51	4.30
066	SAMPLE	483449-012	4.51	4.30
067	SAMPLE	483449-014	4.51	4.30
068	SAMPLE	483449-016	4.51	4.30
069	SAMPLE	483449-017	4.51	4.30
070	SAMPLE	483449-019	4.51	4.30
071	SAMPLE	483449-021	4.51	4.30
072	SAMPLE	483449-023	4.51	4.30

Enthalpy Internal Standard Summary for Sequence 453164853

Date:	04/24/23	Reference:	gc06_040723028
Sequence:	SVOA-GC06 gc06_042423	Analyzed:	04/07/23 23:07

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8160408	2292783
		LOWER LIMIT	4080204	1146391
		UPPER LIMIT	16320815	4585566
004	CCV		9620389	2881173

Enthalpy Internal Standard Summary for Sequence 453164853

Date:	04/24/23	Reference:	gc06_042423004
Sequence:	SVOA-GC06 gc06_042423	Analyzed:	04/24/23 12:10

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9620389	2881173
		LOWER LIMIT	4810195	1440586
		UPPER LIMIT	19240778	5762346
010	BLANK	QC1059364	8306264	2493396
011	BS	QC1059366	8020248	2387439
012	BSD	QC1059367	8026903	2435610
019	SAMPLE	483196-036	9077962	2759853
020	SAMPLE	483196-037	8687967	2595745
022	BLANK	QC1060682	10203929	2468519
023	BS	QC1060683	9506526	2337992
024	BSD	QC1060684	10024586	2416195
025	SAMPLE	483820-002	10047786	2873465
026	SAMPLE	483820-005	10561537	2885530
029	SAMPLE	483456-004	9032590	2758720
030	SAMPLE	483456-003	8219820	2506813

Enthalpy Internal Standard Summary for Sequence 453164853

Date:	04/24/23	Reference:	gc06_042423004
Sequence:	SVOA-GC06 gc06_042423	Analyzed:	04/24/23 12:10

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.41	4.18
		LOWER LIMIT	4.21	3.98
		UPPER LIMIT	4.61	4.38
010	BLANK	QC1059364	4.41	4.18
011	BS	QC1059366	4.41	4.18
012	BSD	QC1059367	4.41	4.18
019	SAMPLE	483196-036	4.41	4.18
020	SAMPLE	483196-037	4.41	4.18
022	BLANK	QC1060682	4.41	4.18
023	BS	QC1060683	4.41	4.18
024	BSD	QC1060684	4.41	4.18
025	SAMPLE	483820-002	4.41	4.18
026	SAMPLE	483820-005	4.41	4.18
029	SAMPLE	483456-004	4.41	4.18
030	SAMPLE	483456-003	4.41	4.18

Enthalpy Internal Standard Summary for Sequence 453164853

Date:	04/24/23	Reference:	gc06_042423007
Sequence:	SVOA-GC06 gc06_042423	Analyzed:	04/24/23 12:54

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8979665	2677487
		LOWER LIMIT	4489833	1338744
		UPPER LIMIT	17959330	5354974
010	BLANK	QC1059364		
019	SAMPLE	483196-036	9062576	2735015
020	SAMPLE	483196-037	8658209	2576525
022	BLANK	QC1060682		
025	SAMPLE	483820-002		
026	SAMPLE	483820-005		
029	SAMPLE	483456-004		
030	SAMPLE	483456-003		

Enthalpy Internal Standard Summary for Sequence 453164853

Date:	04/24/23	Reference:	gc06_042423007
Sequence:	SVOA-GC06 gc06_042423	Analyzed:	04/24/23 12:54

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.41	4.18
		LOWER LIMIT	4.21	3.98
		UPPER LIMIT	4.61	4.38
010	BLANK	QC1059364		
019	SAMPLE	483196-036	4.41	4.18
020	SAMPLE	483196-037	4.41	4.18
022	BLANK	QC1060682		
025	SAMPLE	483820-002		
026	SAMPLE	483820-005		
029	SAMPLE	483456-004		
030	SAMPLE	483456-003		

Enthalpy Sequence Summary for Sequence 453140432

Instrument: SVOA-GC06 Begun: 04/07/23 12:32
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_040723002	PEM				04/07/23 12:32	1.0	1
004	gc06_040723004	CCV				04/07/23 13:08	1.0	2
011	gc06_040723011	PEM				04/07/23 17:13	1.0	1
026	gc06_040723026	ICAL				04/07/23 22:30	1.0	3
027	gc06_040723027	ICAL				04/07/23 22:48	1.0	4
028	gc06_040723028	ICAL				04/07/23 23:07	1.0	5
029	gc06_040723029	ICAL				04/07/23 23:25	1.0	6
030	gc06_040723030	ICAL				04/07/23 23:43	1.0	7
031	gc06_040723031	ICAL				04/08/23 00:01	1.0	8
032	gc06_040723032	ICAL				04/08/23 00:19	1.0	9
033	gc06_040723033	ICAL				04/08/23 00:38	1.0	10
034	gc06_040723034	ICAL				04/08/23 00:56	1.0	11
035	gc06_040723035	ICAL				04/08/23 01:14	1.0	12
037	gc06_040723037	ICV				04/08/23 01:51	1.0	13

TRN 04/09/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 11 through 37.

Standards Used:
1=S18206 2=S17896 3=S18179 4=S18180 5=S18181 6=S18182 7=S18183 8=S18184 9=S18185 10=S18186 11=S18187 12=S18188 13=S18189

Enthalpy Sequence Summary for Sequence 453156076

Instrument: SVOA-GC06 Begun: 04/18/23 09:16

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_041823002	PEM				04/18/23 09:16	1.0	1	
003	gc06_041823003	CCV				04/18/23 09:34	1.0	2	
004	gc06_041823004	CCV				04/18/23 09:53	1.0	3	
008	gc06_041823008	ICAL				04/18/23 10:51	1.0	4	
009	gc06_041823009	ICAL				04/18/23 11:09	1.0	5	
012	gc06_041823012	BLANK	QC1059079	Miscell.	311918	04/18/23 12:04	1.0	6	
013	gc06_041823013	LCS	QC1059080	Miscell.	311918	04/18/23 12:23	1.0	6	
014	gc06_041823014	MS	QC1059191	Soil	311918	04/18/23 12:41	5.0	6	
015	gc06_041823015	MSD	QC1059192	Soil	311918	04/18/23 12:59	5.0	6	
016	gc06_041823016	LCS	QC1059193	Soil	311918	04/18/23 13:18	1.0	6	
017	gc06_041823017	MS	QC1059194	Soil	311918	04/18/23 13:36	1.0	6	
018	gc06_041823018	MSD	QC1059195	Soil	311918	04/18/23 13:54	1.0	6	
019	gc06_041823019	BLANK	QC1059079	Miscell.	311918	04/18/23 14:13	1.0	6	
020	gc06_041823020	LCS	QC1059193	Soil	311918	04/18/23 14:31	1.0	6	
021	gc06_041823021	MSS	483404-001	Soil	311918	04/18/23 14:50	5.0	6	
022	gc06_041823022	MSS	483404-001	Soil	311918	04/18/23 15:08	2.0	6	
023	gc06_041823023	MSS	483440-001	Soil	311918	04/18/23 15:26	1.0	6	
024	gc06_041823024	SAMPLE	482902-008	Soil	311918	04/18/23 15:45	1.0	6	
025	gc06_041823025	SAMPLE	482902-009	Soil	311918	04/18/23 16:03	1.0	6	
026	gc06_041823026	SAMPLE	483414-001	Soil	311918	04/18/23 16:21	1.0	6	
027	gc06_041823027	SAMPLE	483414-002	Soil	311918	04/18/23 16:40	1.0	6	
028	gc06_041823028	SAMPLE	483414-004	Miscell.	311918	04/18/23 16:58	2.0	6	
029	gc06_041823029	SAMPLE	483414-005	Miscell.	311918	04/18/23 17:16	1.0	6	
030	gc06_041823030	SAMPLE	483441-001	Miscell.	311918	04/18/23 17:35	2.0	6	
031	gc06_041823031	SAMPLE	483441-002	Miscell.	311918	04/18/23 17:53	1.0	6	
032	gc06_041823032	SAMPLE	483456-001	Miscell.	311918	04/18/23 18:11	1.0	6	3:PCB1260#3=5600
033	gc06_041823033	SAMPLE	483456-002	Miscell.	311918	04/18/23 18:30	1.0	6	3:PCB1260#3=22000
034	gc06_041823034	SAMPLE	483456-003	Miscell.	311918	04/18/23 18:48	1.0	6	1:PCB1260#3=6400
035	gc06_041823035	SAMPLE	483456-004	Miscell.	311918	04/18/23 19:06	1.0	6	
036	gc06_041823036	SAMPLE	483456-005	Miscell.	311918	04/18/23 19:25	1.0	6	1:PCB1260#3=5100
037	gc06_041823037	SAMPLE	483456-006	Miscell.	311918	04/18/23 19:43	1.0	6	2:PCB1260#4=38000
038	gc06_041823038	SAMPLE	483456-007	Miscell.	311918	04/18/23 20:02	1.0	6	4:PCB1260#3=73000
039	gc06_041823039	BLANK	QC1059364	Wipe	312006	04/18/23 20:20	1.0	6	1:HEPT-EPOX=270
040	gc06_041823040	BS	QC1059366	Wipe	312006	04/18/23 20:38	1.0	6	
041	gc06_041823041	BSD	QC1059367	Wipe	312006	04/18/23 20:56	1.0	6	
042	gc06_041823042	SAMPLE	483449-001	Wipe	312006	04/18/23 21:15	1.0	6	
043	gc06_041823043	SAMPLE	483449-003	Wipe	312006	04/18/23 21:33	1.0	6	
044	gc06_041823044	SAMPLE	483449-005	Wipe	312006	04/18/23 21:51	1.0	6	
045	gc06_041823045	SAMPLE	483449-008	Wipe	312006	04/18/23 22:10	1.0	6	
046	gc06_041823046	SAMPLE	483449-011	Wipe	312006	04/18/23 22:28	1.0	6	
047	gc06_041823047	SAMPLE	483449-012	Wipe	312006	04/18/23 22:46	1.0	6	
048	gc06_041823048	SAMPLE	483449-014	Wipe	312006	04/18/23 23:05	1.0	6	
049	gc06_041823049	SAMPLE	483449-016	Wipe	312006	04/18/23 23:23	1.0	6	
050	gc06_041823050	SAMPLE	483449-017	Wipe	312006	04/18/23 23:41	1.0	6	
051	gc06_041823051	SAMPLE	483449-019	Wipe	312006	04/19/23 00:00	1.0	6	
052	gc06_041823052	SAMPLE	483449-021	Wipe	312006	04/19/23 00:18	1.0	6	
053	gc06_041823053	SAMPLE	483449-023	Wipe	312006	04/19/23 00:36	1.0	6	
055	gc06_041823055	CCV				04/19/23 01:13	1.0	3	
064	gc06_041823064	SAMPLE	483449-008	Wipe	312006	04/19/23 03:58	1.0	6	
065	gc06_041823065	SAMPLE	483449-011	Wipe	312006	04/19/23 04:17	1.0	6	

Enthalpy Sequence Summary for Sequence 453156076

Instrument: SVOA-GC06 Begun: 04/18/23 09:16
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
066	gc06_041823066	SAMPLE	483449-012	Wipe	312006	04/19/23 04:35	1.0	6	
067	gc06_041823067	SAMPLE	483449-014	Wipe	312006	04/19/23 04:53	1.0	6	
068	gc06_041823068	SAMPLE	483449-016	Wipe	312006	04/19/23 05:11	1.0	6	
069	gc06_041823069	SAMPLE	483449-017	Wipe	312006	04/19/23 05:30	1.0	6	
070	gc06_041823070	SAMPLE	483449-019	Wipe	312006	04/19/23 05:48	1.0	6	
071	gc06_041823071	SAMPLE	483449-021	Wipe	312006	04/19/23 06:06	1.0	6	
072	gc06_041823072	SAMPLE	483449-023	Wipe	312006	04/19/23 06:25	1.0	6	

MES 04/19/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 53.

MES 04/20/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 55 through 72.

Standards Used:
1=S18206 2=S18265 3=S17896 4=S17696 5=S17691 6=S17544

Enthalpy Sequence Summary for Sequence 453164853

Instrument: SVOA-GC06 Begun: 04/24/23 11:33
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_042423002	PEM				04/24/23 11:33	1.0	1	
003	gc06_042423003	CCV				04/24/23 11:51	1.0	2	
004	gc06_042423004	CCV				04/24/23 12:10	1.0	3	
007	gc06_042423007	ICAL				04/24/23 12:54	1.0	4	
010	gc06_042423010	BLANK	QC1059364	Wipe	312006	04/24/23 13:49	1.0	5	
011	gc06_042423011	BS	QC1059366	Wipe	312006	04/24/23 14:08	1.0	5	
012	gc06_042423012	BSD	QC1059367	Wipe	312006	04/24/23 14:26	1.0	5	
019	gc06_042423019	SAMPLE	483196-036	Miscell.	311781	04/24/23 16:34	5.0	5	
020	gc06_042423020	SAMPLE	483196-037	Miscell.	311781	04/24/23 16:53	5.0	5	
022	gc06_042423022	BLANK	QC1060682	Air	312411	04/24/23 17:29	1.0	5	
023	gc06_042423023	BS	QC1060683	Air	312411	04/24/23 17:48	1.0	5	
024	gc06_042423024	BSD	QC1060684	Air	312411	04/24/23 18:06	1.0	5	
025	gc06_042423025	SAMPLE	483820-002	Air	312411	04/24/23 18:25	1.0	5	
026	gc06_042423026	SAMPLE	483820-005	Air	312411	04/24/23 18:43	1.0	5	
029	gc06_042423029	SAMPLE	483456-004	Miscell.	311918	04/24/23 19:38	5.0	5	high NT
030	gc06_042423030	SAMPLE	483456-003	Miscell.	311918	04/24/23 19:56	5.0	5	high NT

TRN 04/24/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 29.

Standards Used:
1=S18206 2=S18265 3=S18318 4=S18300 5=S17544

SAMPLE PREPARATION SUMMARY

Batch #:	312006	Method:	3546	Analysis:	8080
Started By:	EPL	Prep Date:	18-APR-2023 13:48	Finished By:	EPL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18274	Spike S18194	Analysis
483449-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-012	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-014	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-016	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-017	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-019	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-021	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
483449-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1059364 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1059366 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1059367 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Analyst: TRN 04/20/23

Reviewer: MTS 04/24/23

8081/8082/608.3 Prep Log

Prep Method: 3546 MICROWAVE Matrix: WIPE Date/Time: 4/18/23 13:48 Initials: EPL/JAM

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

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

Balance ID: N/A Microdipenser ID: SYRINGE

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

608.3 QC Batch#: _____

8081 QC Batch #: _____

8082 QC Batch #: 312006

* For hot block, microwave, shaker table

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm²	N/A	MIKO2-9	TV09	10.0		
LCS₂		↓	↓	-10	↓	↓		
LCSD₂				-11				
483449-001	A			-12				
-003	A			-13				
-005	A			-14	↓			
-008	A			-15	TV08			
-011	A			-16				
-012	A			-17				
-014	A			-18				
-016	A			-19				
-017	A			-20	↓			
-019	A			-21	TV07			
-021	A			-22				
-023	A	↓	↓	↓ -23	↓	↓		
LCS₁		1 dm²		MKO2-9	TV07	10.0	4/19/23 9:17	
LCSD₁		↓		-15	↓	↓		
483181-001	A	↓		-21	↓	↓		8081

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 518169

Acetone-Hexane Mix ID: _____

Sodium Sulfate Lot: 217961

Baked Sand Lot: N/A

Surrogate ID: 516374 Volume: 500 µL

Pest LCS Spike ID: 518213 Volume: 500 µL

PCB LCS Spike ID: 518194 Volume: 1506 µL

Pest MS/MSD Spike ID: _____ Volume: _____ µL

PCB MS/MSD Spike ID: _____ Volume: _____ µL

REPORTING SUMMARY FOR 483449 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
483449-001	Aroclor-1016	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1221	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1232	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1242	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1248	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1254	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1260	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1262	SVOA-GC06	B	04/18/23 21:15
483449-001	Aroclor-1268	SVOA-GC06	B	04/18/23 21:15
483449-001	TCMX (PCB)	SVOA-GC06	B	04/18/23 21:15
483449-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/18/23 21:15
483449-003	Aroclor-1016	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1221	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1232	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1242	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1248	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1254	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1260	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1262	SVOA-GC06	B	04/18/23 21:33
483449-003	Aroclor-1268	SVOA-GC06	B	04/18/23 21:33
483449-003	TCMX (PCB)	SVOA-GC06	B	04/18/23 21:33
483449-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/18/23 21:33
483449-005	Aroclor-1016	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1221	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1232	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1242	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1248	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1254	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1260	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1262	SVOA-GC06	B	04/18/23 21:51
483449-005	Aroclor-1268	SVOA-GC06	B	04/18/23 21:51
483449-005	TCMX (PCB)	SVOA-GC06	B	04/18/23 21:51
483449-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/18/23 21:51
483449-008	Aroclor-1016	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1221	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1232	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1242	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1248	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1254	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1260	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1262	SVOA-GC06	B	04/19/23 03:58
483449-008	Aroclor-1268	SVOA-GC06	B	04/19/23 03:58
483449-008	TCMX (PCB)	SVOA-GC06	B	04/19/23 03:58
483449-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 03:58
483449-011	Aroclor-1016	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1221	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1232	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1242	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1248	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1254	SVOA-GC06	B	04/19/23 04:17

Sample ID	Analyte	Inst ID	Ch	Date & Time
483449-011	Aroclor-1260	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1262	SVOA-GC06	B	04/19/23 04:17
483449-011	Aroclor-1268	SVOA-GC06	B	04/19/23 04:17
483449-011	TCMX (PCB)	SVOA-GC06	B	04/19/23 04:17
483449-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 04:17
483449-012	Aroclor-1016	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1221	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1232	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1242	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1248	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1254	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1260	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1262	SVOA-GC06	B	04/19/23 04:35
483449-012	Aroclor-1268	SVOA-GC06	B	04/19/23 04:35
483449-012	TCMX (PCB)	SVOA-GC06	B	04/19/23 04:35
483449-012	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 04:35
483449-014	Aroclor-1016	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1221	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1232	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1242	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1248	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1254	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1260	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1262	SVOA-GC06	B	04/19/23 04:53
483449-014	Aroclor-1268	SVOA-GC06	B	04/19/23 04:53
483449-014	TCMX (PCB)	SVOA-GC06	B	04/19/23 04:53
483449-014	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 04:53
483449-016	Aroclor-1016	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1221	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1232	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1242	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1248	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1254	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1260	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1262	SVOA-GC06	B	04/19/23 05:11
483449-016	Aroclor-1268	SVOA-GC06	B	04/19/23 05:11
483449-016	TCMX (PCB)	SVOA-GC06	B	04/19/23 05:11
483449-016	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 05:11
483449-017	Aroclor-1016	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1221	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1232	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1242	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1248	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1254	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1260	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1262	SVOA-GC06	B	04/19/23 05:30
483449-017	Aroclor-1268	SVOA-GC06	B	04/19/23 05:30
483449-017	TCMX (PCB)	SVOA-GC06	B	04/19/23 05:30
483449-017	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 05:30

Sample ID	Analyte	Inst ID	Ch	Date & Time
483449-019	Aroclor-1016	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1221	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1232	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1242	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1248	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1254	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1260	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1262	SVOA-GC06	B	04/19/23 05:48
483449-019	Aroclor-1268	SVOA-GC06	B	04/19/23 05:48
483449-019	TCMX (PCB)	SVOA-GC06	B	04/19/23 05:48
483449-019	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 05:48
483449-021	Aroclor-1016	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1221	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1232	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1242	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1248	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1254	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1260	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1262	SVOA-GC06	B	04/19/23 06:06
483449-021	Aroclor-1268	SVOA-GC06	B	04/19/23 06:06
483449-021	TCMX (PCB)	SVOA-GC06	B	04/19/23 06:06
483449-021	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 06:06
483449-023	Aroclor-1016	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1221	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1232	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1242	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1248	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1254	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1260	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1262	SVOA-GC06	B	04/19/23 06:25
483449-023	Aroclor-1268	SVOA-GC06	B	04/19/23 06:25
483449-023	TCMX (PCB)	SVOA-GC06	B	04/19/23 06:25
483449-023	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/19/23 06:25
QC1059364	Aroclor-1016	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1221	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1232	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1242	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1248	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1254	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1260	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1262	SVOA-GC06	B	04/24/23 13:49
QC1059364	Aroclor-1268	SVOA-GC06	B	04/24/23 13:49
QC1059364	TCMX (PCB)	SVOA-GC06	B	04/24/23 13:49
QC1059364	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/23 13:49
QC1059366	Aroclor-1016	SVOA-GC06	B	04/24/23 14:08
QC1059366	Aroclor-1260	SVOA-GC06	B	04/24/23 14:08
QC1059366	TCMX (PCB)	SVOA-GC06	B	04/24/23 14:08
QC1059366	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/23 14:08
QC1059367	Aroclor-1016	SVOA-GC06	B	04/24/23 14:26

REPORTING SUMMARY FOR 483449 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1059367	Aroclor-1260	SVOA-GC06	B	04/24/23 14:26
QC1059367	TCMX (PCB)	SVOA-GC06	B	04/24/23 14:26
QC1059367	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/23 14:26

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-001	Client ID:	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA
Seqnum:	453156076042	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823042	Batch:	312006	Time:	18-APR-2023 21:15
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	67.88	~~0.68~~ ~~FP~~	1.2	57%	0.50		x u
Aroclor-1016 Peak # 1	B	63.05	0.63	2.01	105%			
Aroclor-1016 Peak # 2	B	44.26	0.44	0.29	41%			
Aroclor-1016 Peak # 3	B	192.2	1.92	0.75	88%			
Aroclor-1016 Peak # 4	B	20.07	0.20	1.80	160%			
Aroclor-1016 Peak # 5	B	19.81	0.20	1.25	145%			
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	78.21	~~0.78~~ ~~FP~~	0.39	66%	0.50		x u
Aroclor-1260 Peak # 1	B	26.43	0.26	0.54	69%			
Aroclor-1260 Peak # 2	B	4.903	0.05	0.61	170%			
Aroclor-1260 Peak # 3	B	161.1	1.61	0.51	104%			
Aroclor-1260 Peak # 4	B	191.2	1.91	0.09	183%			
Aroclor-1260 Peak # 5	B	7.437	0.07	0.22	101%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.40	0.5000	0.3840	77	19-121	u
Decachlorobiphenyl (PCB)	B	25.75	0.5000	0.2575	52	19-121	c+ u

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

ISTD (CCV gc06_041823004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8257104	7459864	-9.66
1-bromo-2-nitrobenzene (PCB)	A	2167699	2129557	-1.76

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

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

ISTD (CCV gc06_041823004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

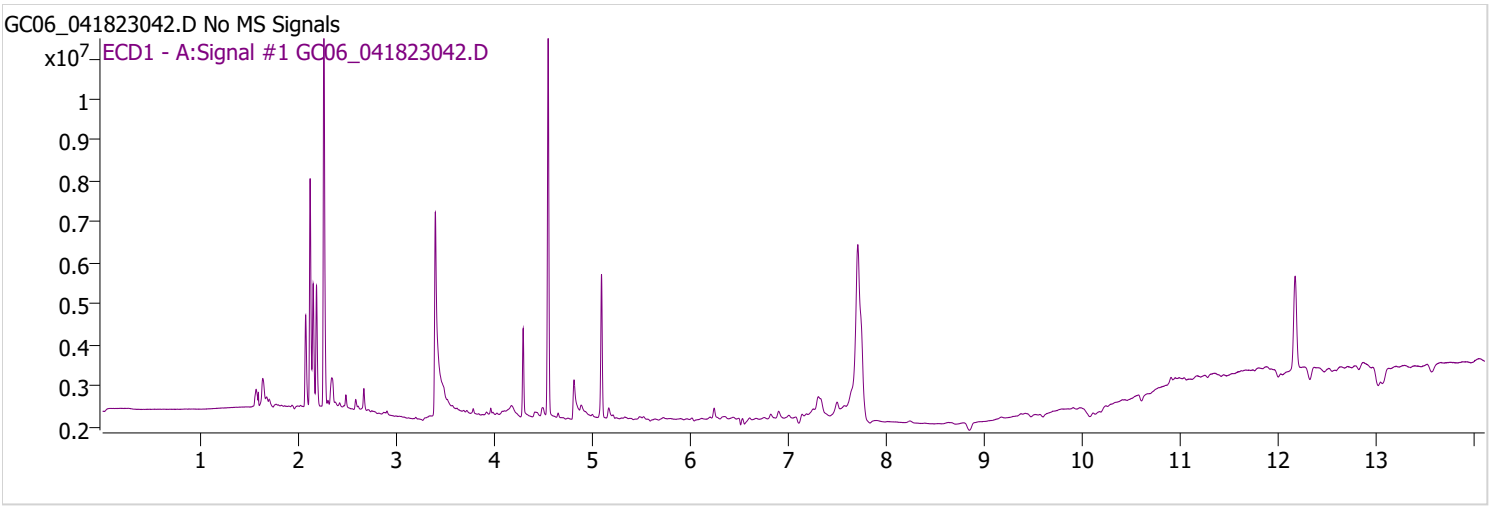
ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

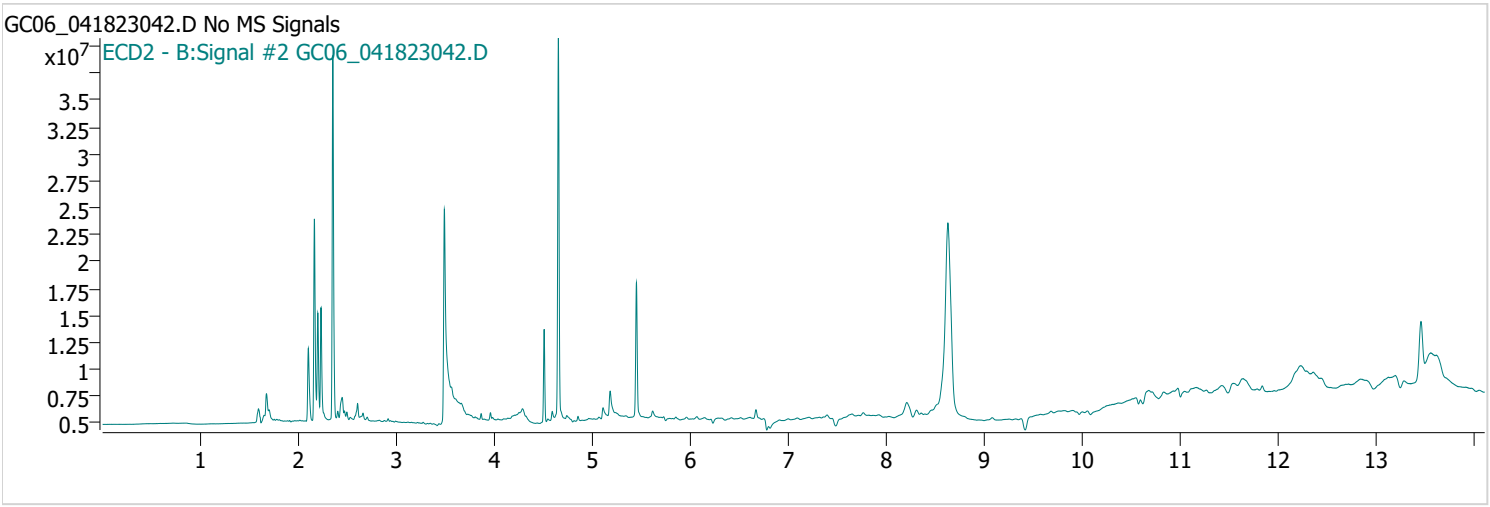
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Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823042.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/18/2023 9:15:15 PM
Sample Name	483449-001, 312006, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



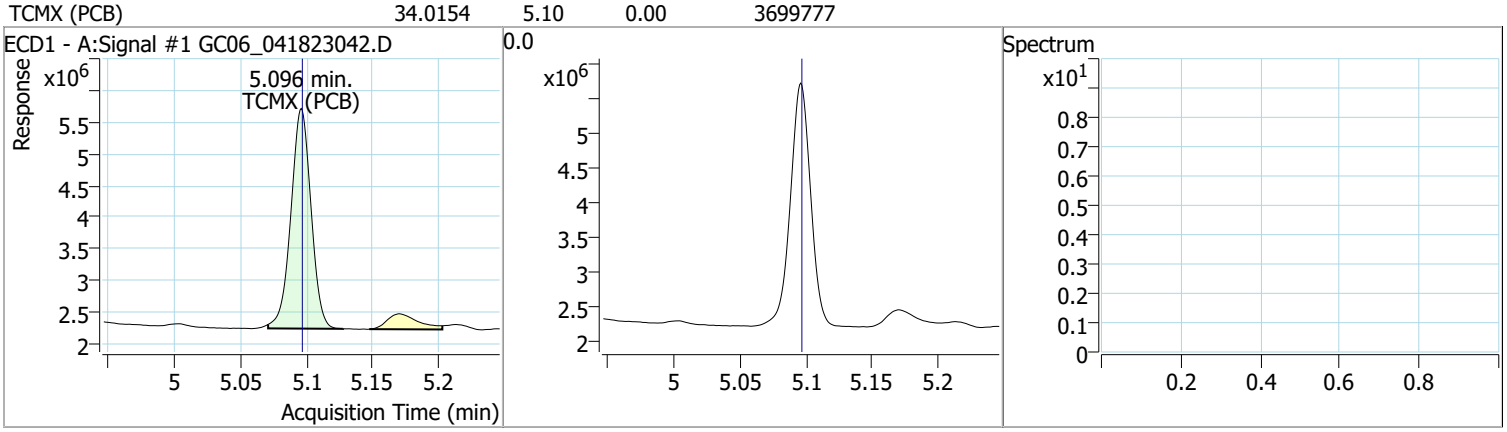


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	2129556.775	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7459863.759	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	3699776.715	34.0154	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.08%		*	
S TCMX (PCB) #2	5.453	0.0	14185996.062	38.4031	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.02%		*	
S Decachlorobiphenyl (PCB)	12.179	0.0	6157117.863	41.0294	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.15%		*	
S Decachlorobiphenyl (PCB) #2	13.464	0.0	10691391.404	25.7522	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.76%			
Target Compounds							QValue

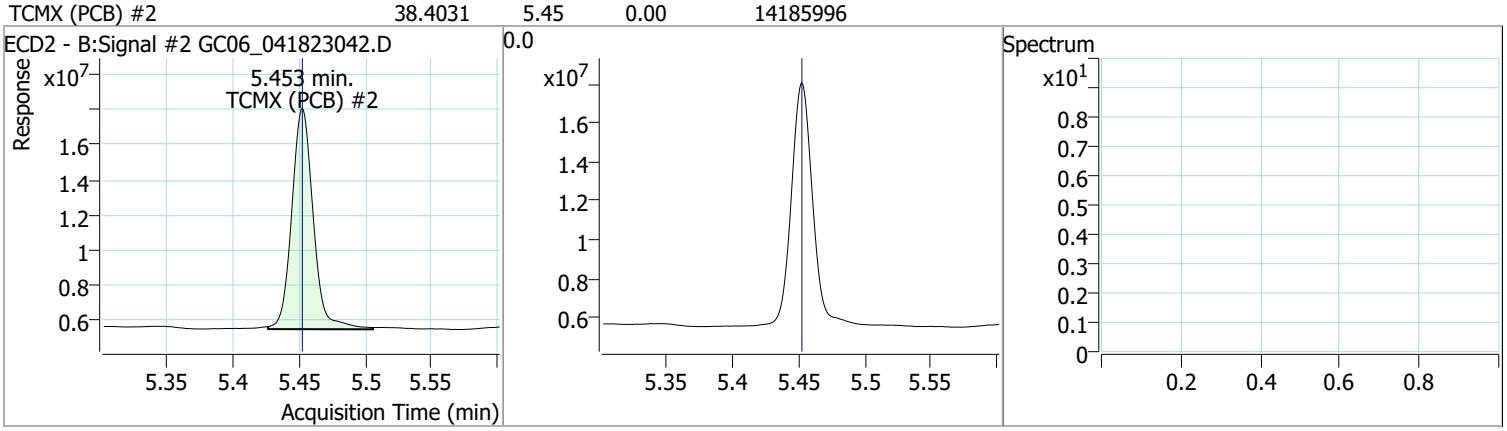
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.526	0.0	445504.925	201.1456	ng/ml	100
T AR1016 2	5.797	0.0	138285.200	29.1007	ng/ml	100
T AR1016 1 #2	5.963	0.0	483434.578	63.0468	ng/ml	100
T AR1016 3	6.247	0.0	442838.708	74.9133	ng/ml	100
T AR1016 2 #2	6.422	0.0	715662.731	44.2579	ng/ml	100
T AR1016 4	6.438	0.0	781752.112	179.8638	ng/ml	100
T AR1016 5	6.609	0.0	318357.028	124.8881	ng/ml	100
T AR1016 3 #2	7.004	0.0	3943438.835	192.2011	ng/ml	100
T AR1016 4 #2	7.094	0.0	296308.507	20.0748	ng/ml	100
T AR1016 5 #2	7.872	0.0	240775.008	19.8095	ng/ml	100
T AR1260 1	8.788	0.0	384727.835	54.2210	ng/ml	100
T AR1260 2	9.422	0.0	652489.699	60.8433	ng/ml	100
T AR1260 3	9.863	0.0	548619.802	50.9007	ng/ml	100
T AR1260 1 #2	10.008	0.0	562498.349	26.4293	ng/ml	100
T AR1260 4	10.182	0.0	57667.036	8.6447	ng/ml	100
T AR1260 2 #2	10.372	0.0	129110.595	4.9035	ng/ml	100
T AR1260 3 #2	10.686	0.0	5223154.153	161.1030	ng/ml	100
T AR1260 5	10.911	0.0	323896.333	22.4894	ng/ml	100
T AR1260 4 #2	11.173	0.0	3636803.978	191.2024	ng/ml	100
T AR1260 5 #2	11.791	0.0	229673.237	7.4373	ng/ml	100

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

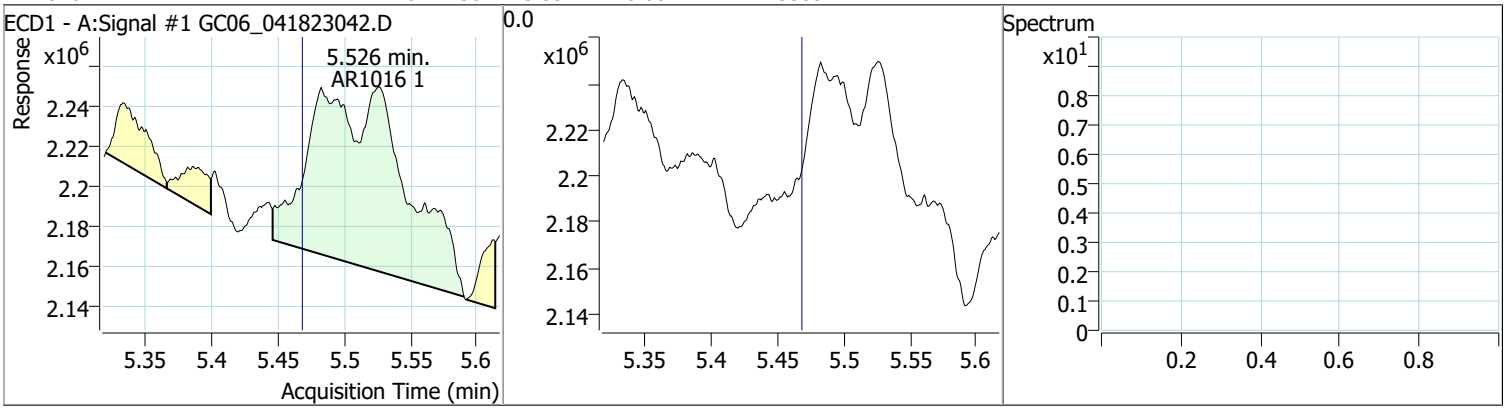
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.0154	5.10	0.00	3699777				



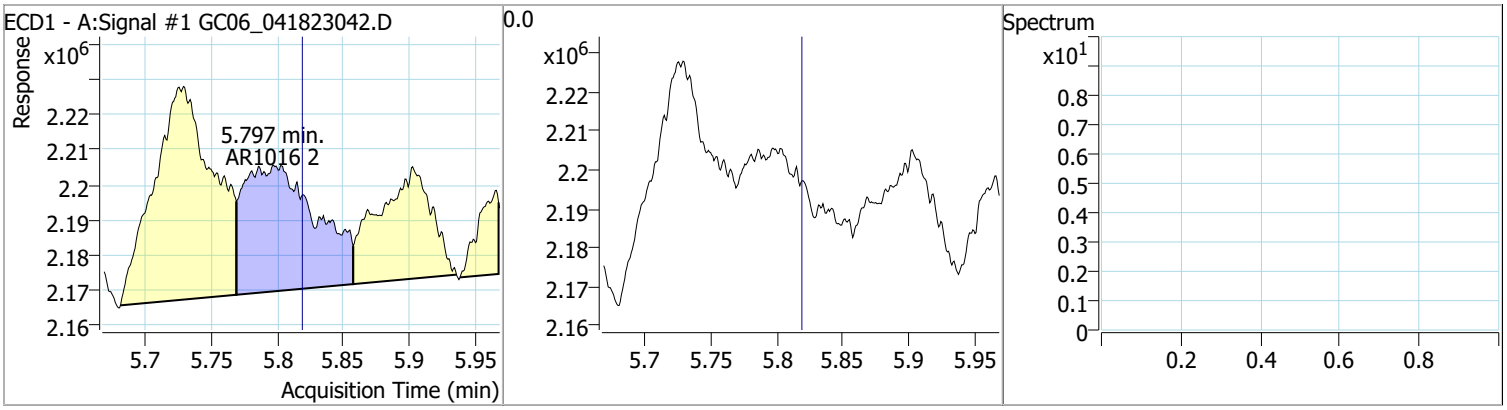
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.4031	5.45	0.00	14185996				



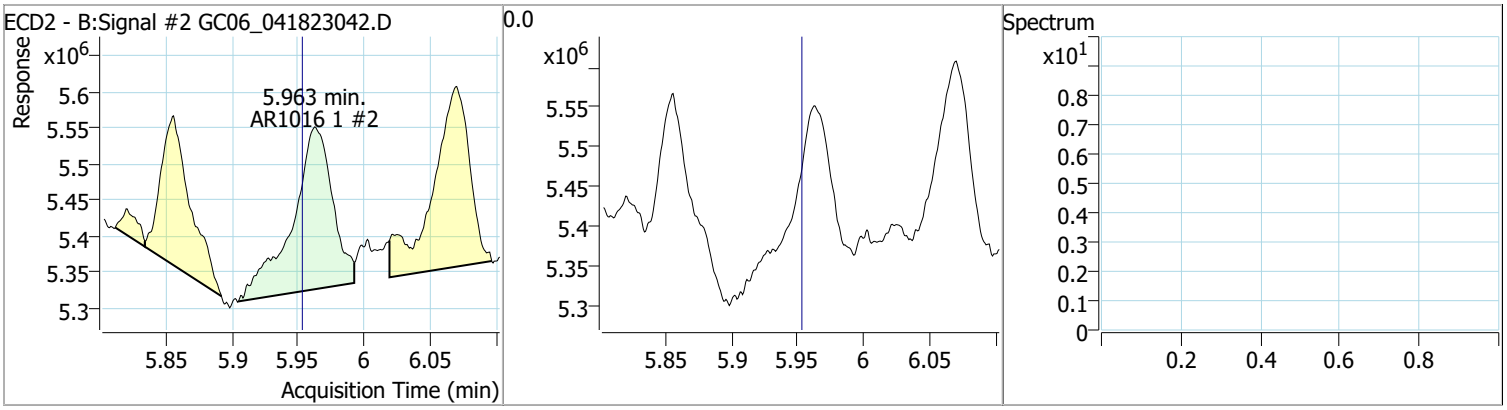
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	201.1456	5.53	0.06	445505				



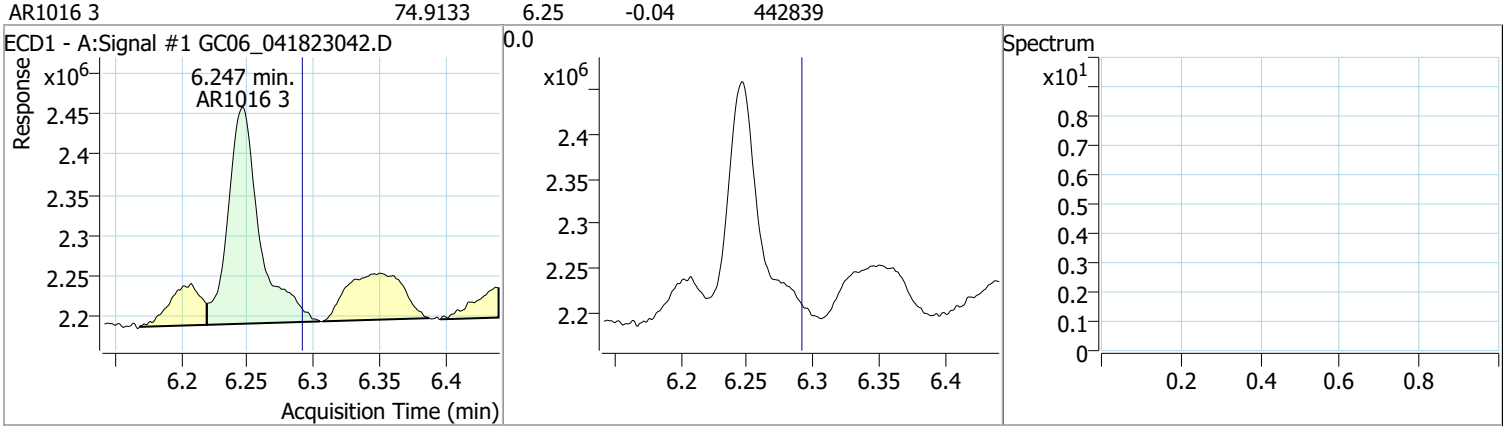
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	29.1007	5.80	-0.02	138285				



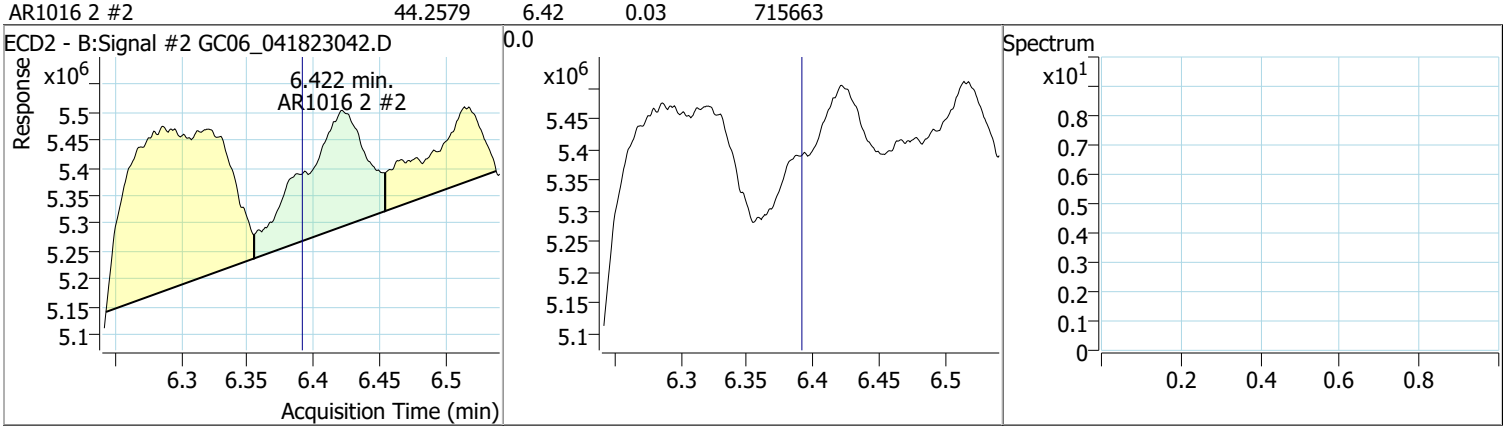
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	63.0468	5.96	0.01	483435				



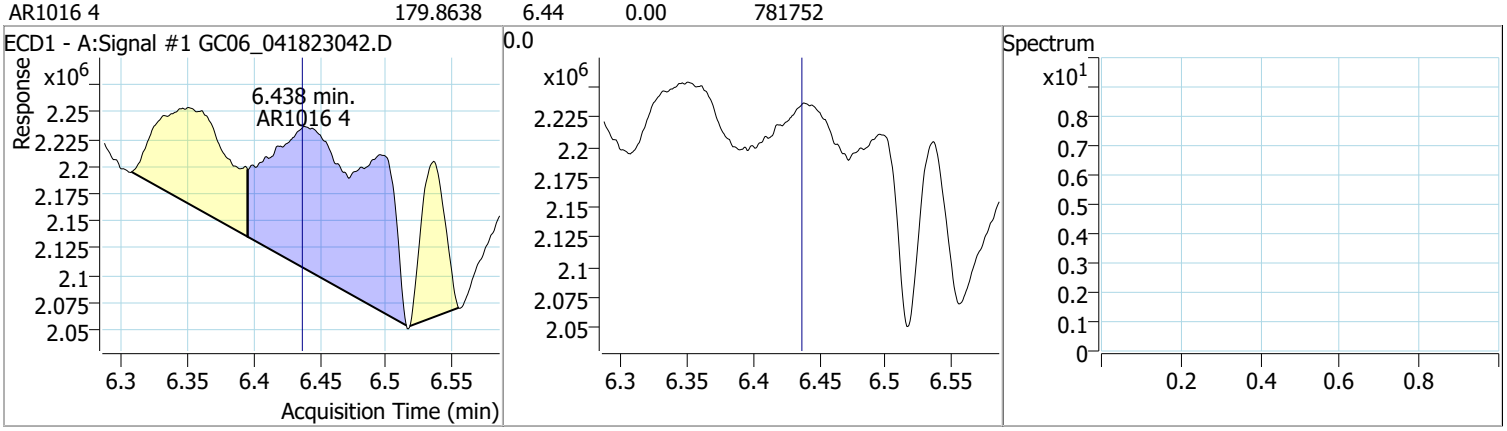
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	74.9133	6.25	-0.04	442839				



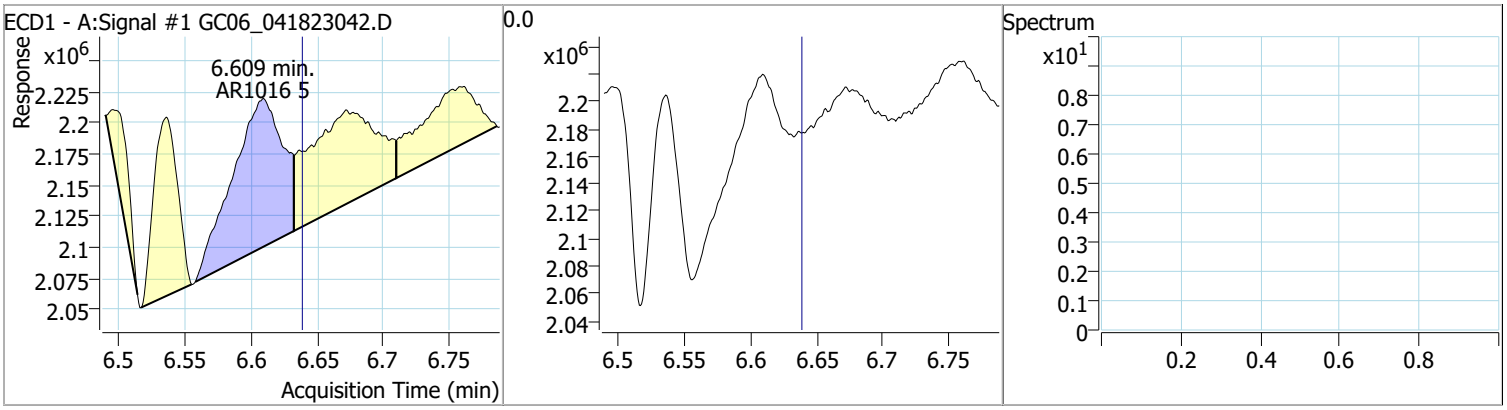
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	44.2579	6.42	0.03	715663				



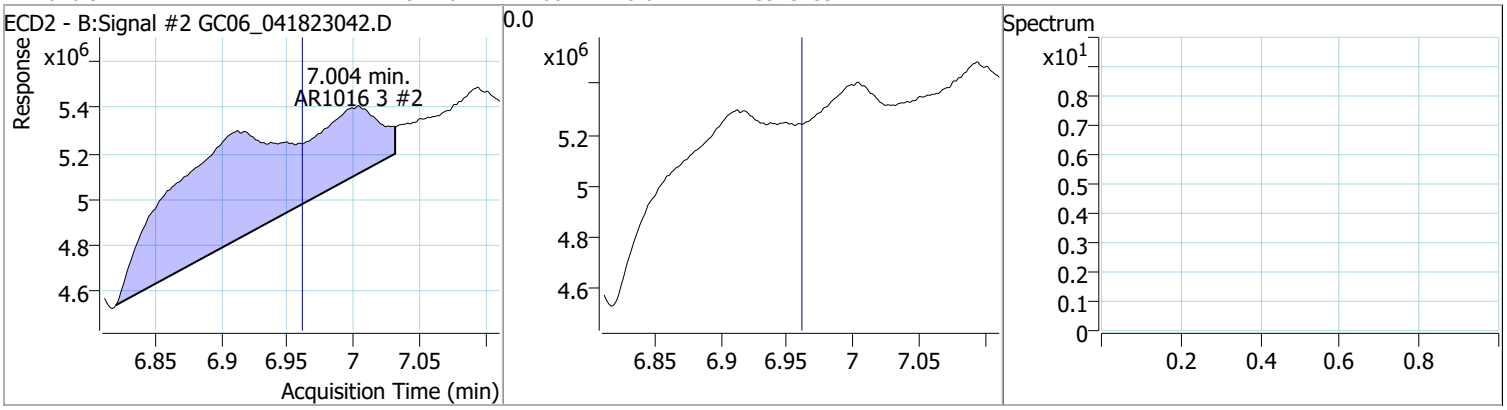
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	179.8638	6.44	0.00	781752				



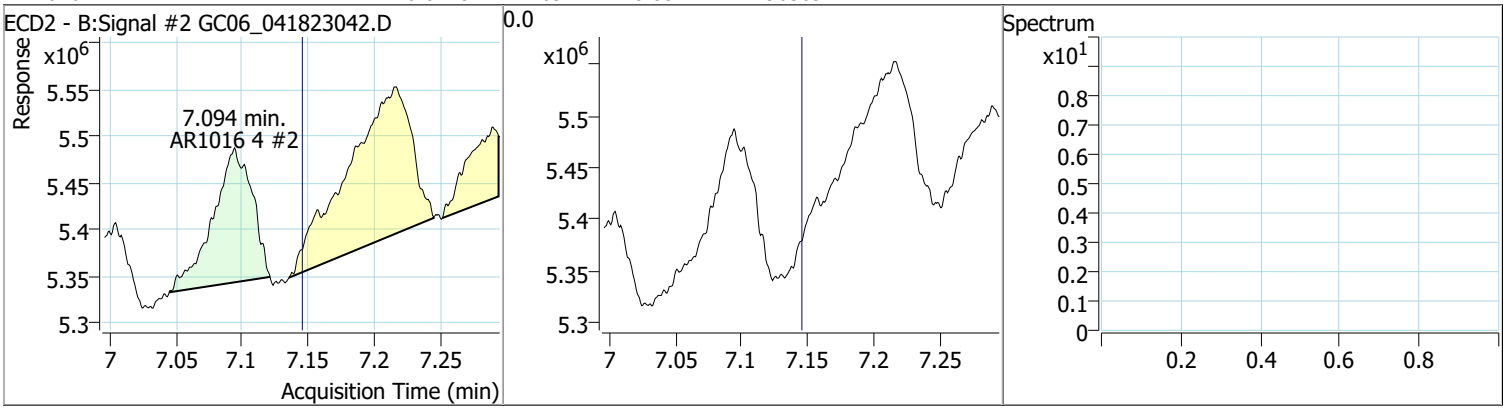
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	124.8881	6.61	-0.03	318357				



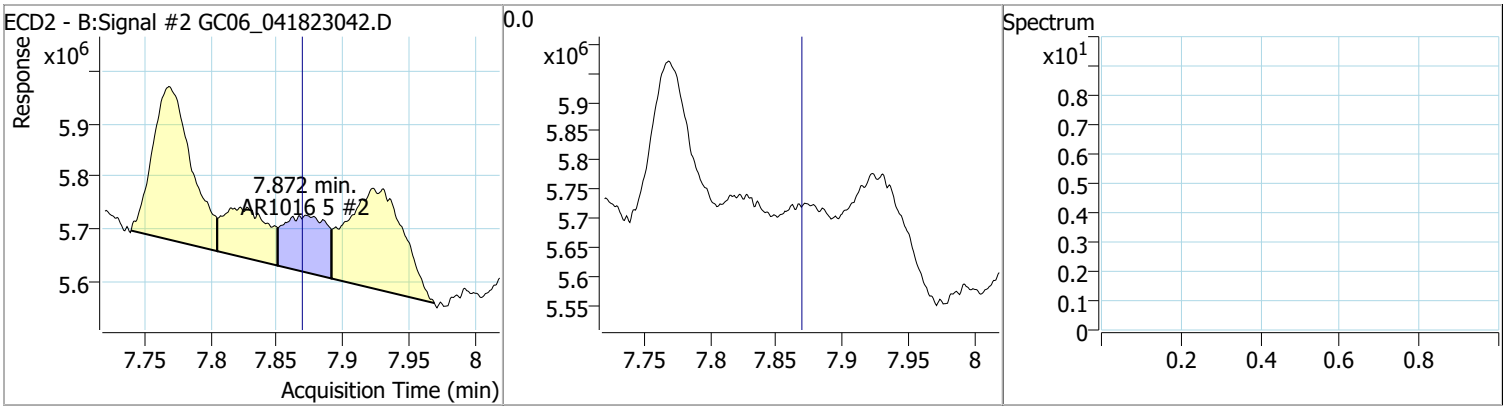
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	192.2011	7.00	0.04	3943439				



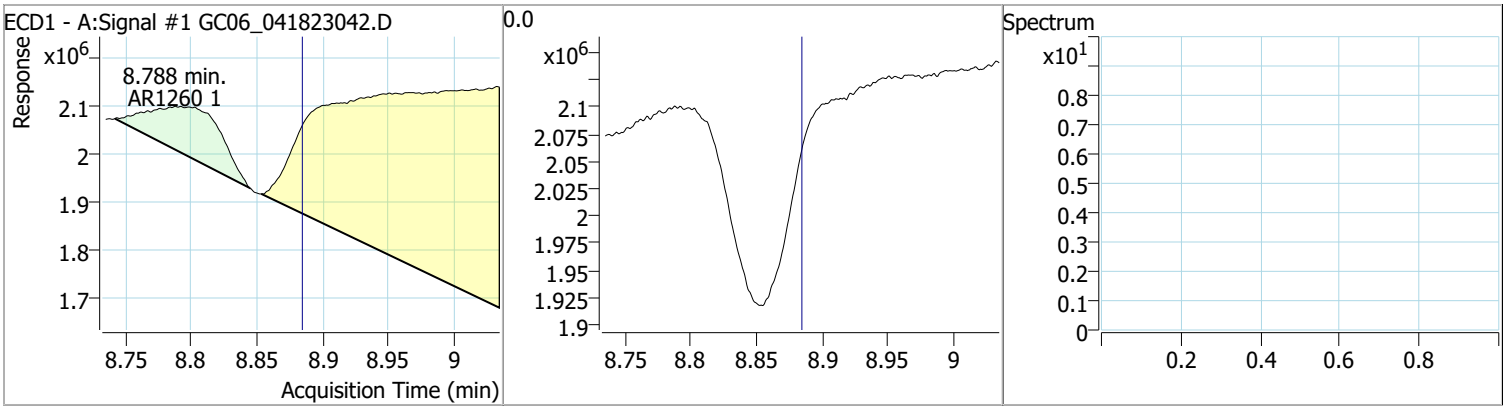
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.0748	7.09	-0.05	296309				



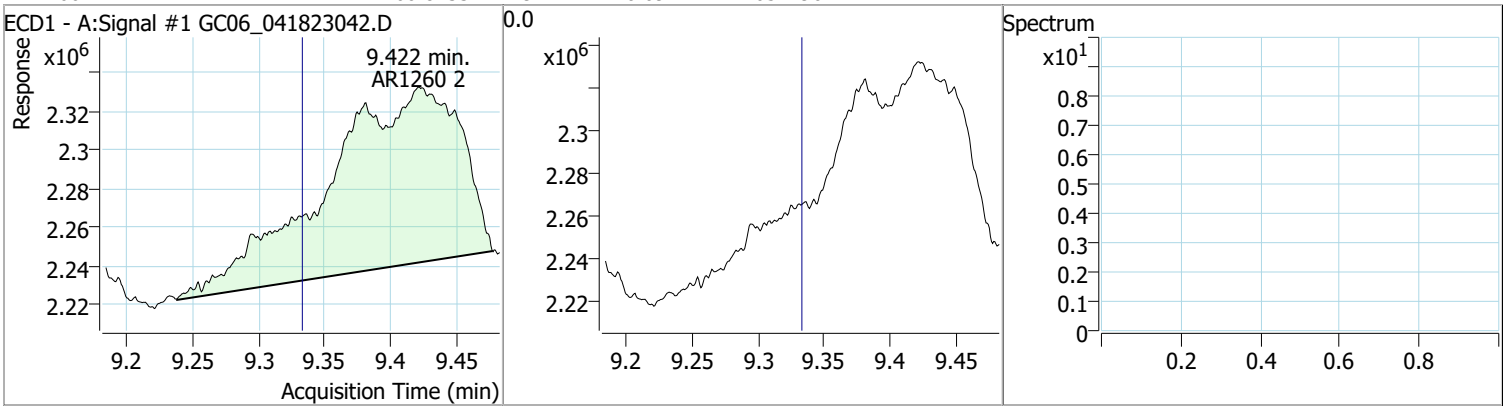
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	19.8095	7.87	0.00	240775				



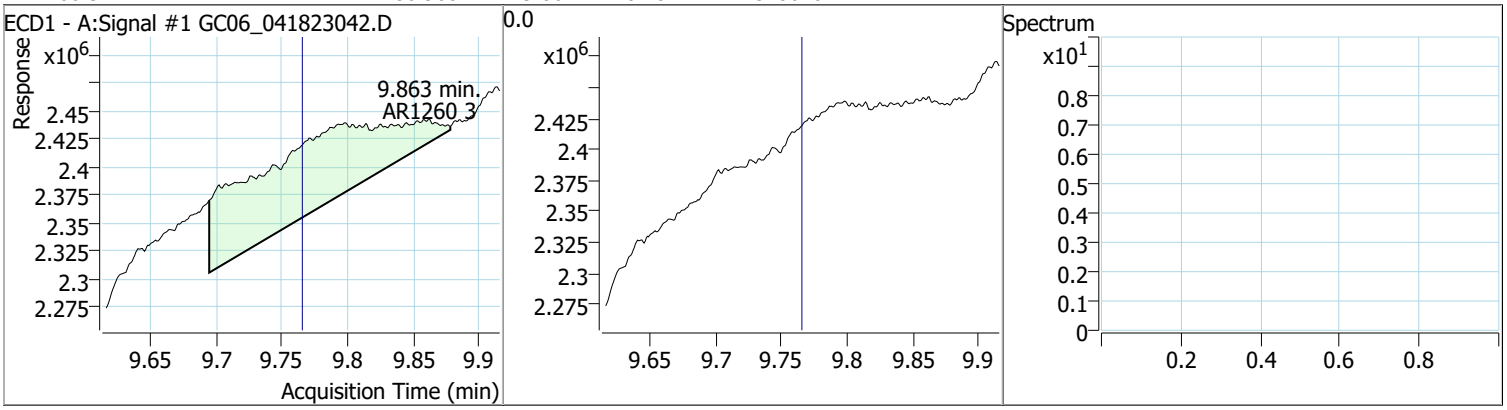
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	54.2210	8.79	-0.10	384728				



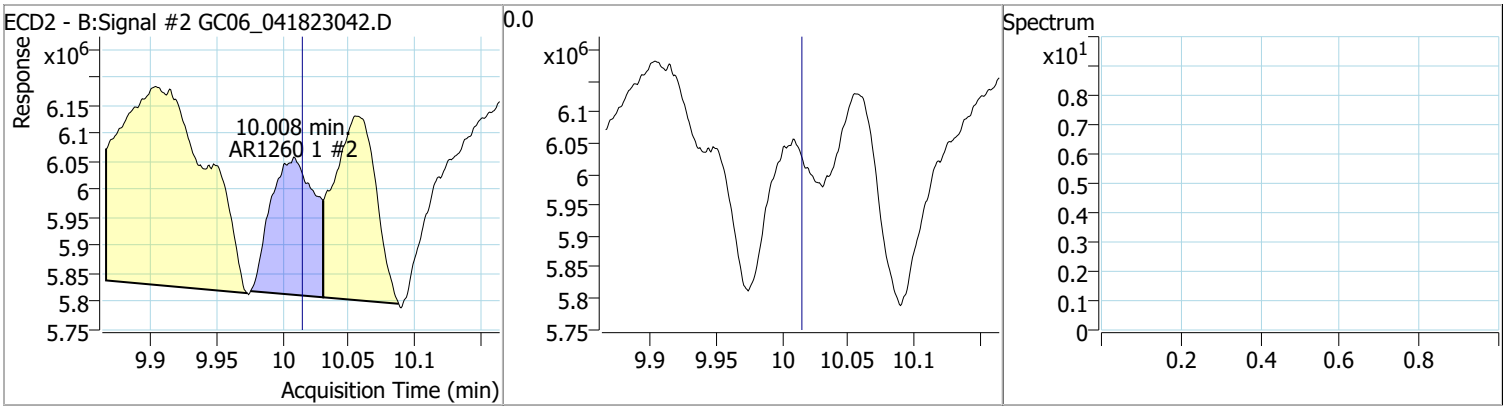
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	60.8433	9.42	0.09	652490				



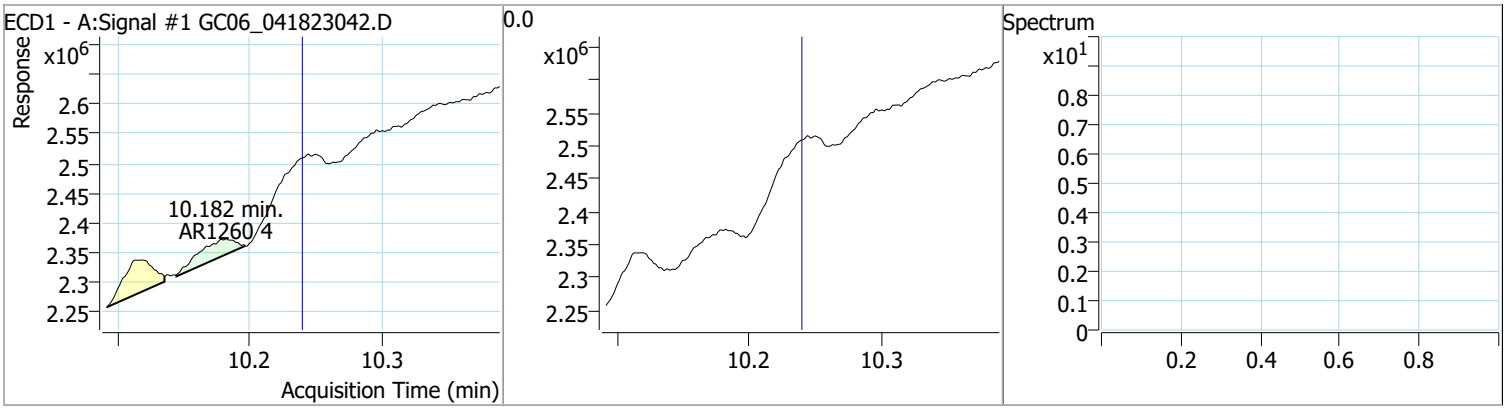
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.9007	9.86	0.10	548620				



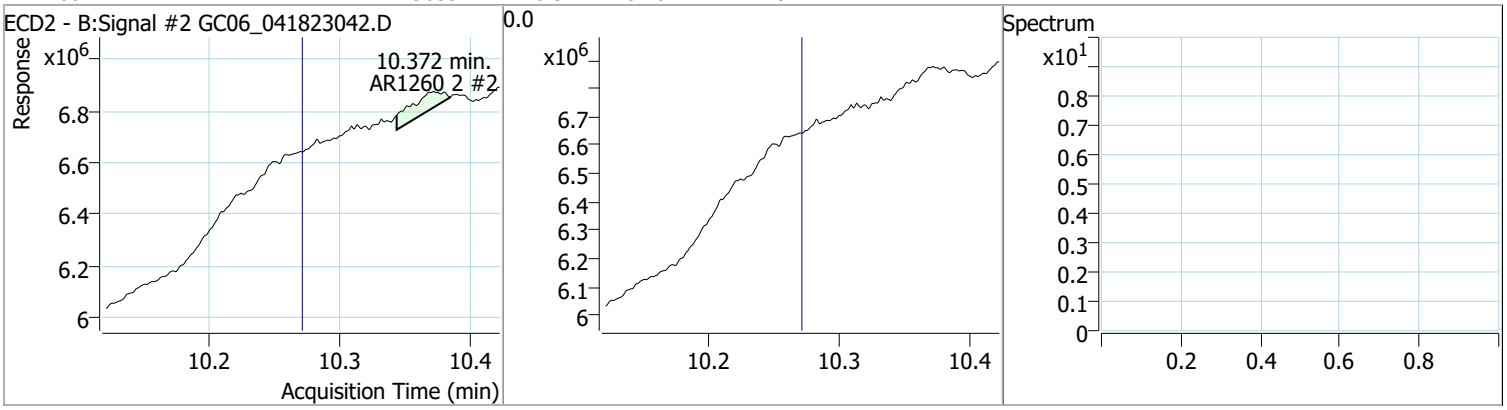
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.4293	10.01	-0.01	562498				



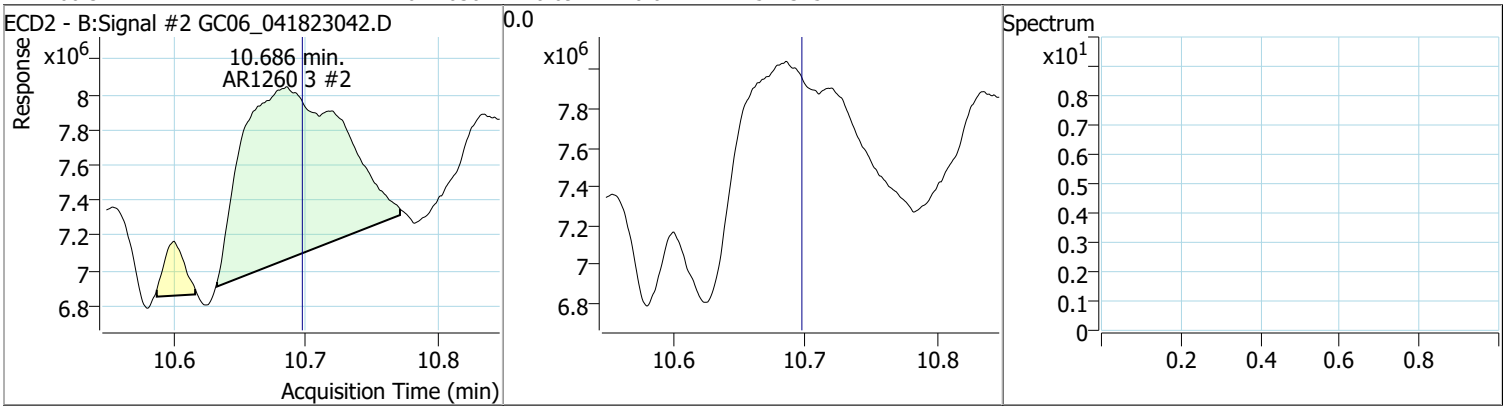
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	8.6447	10.18	-0.06	57667				



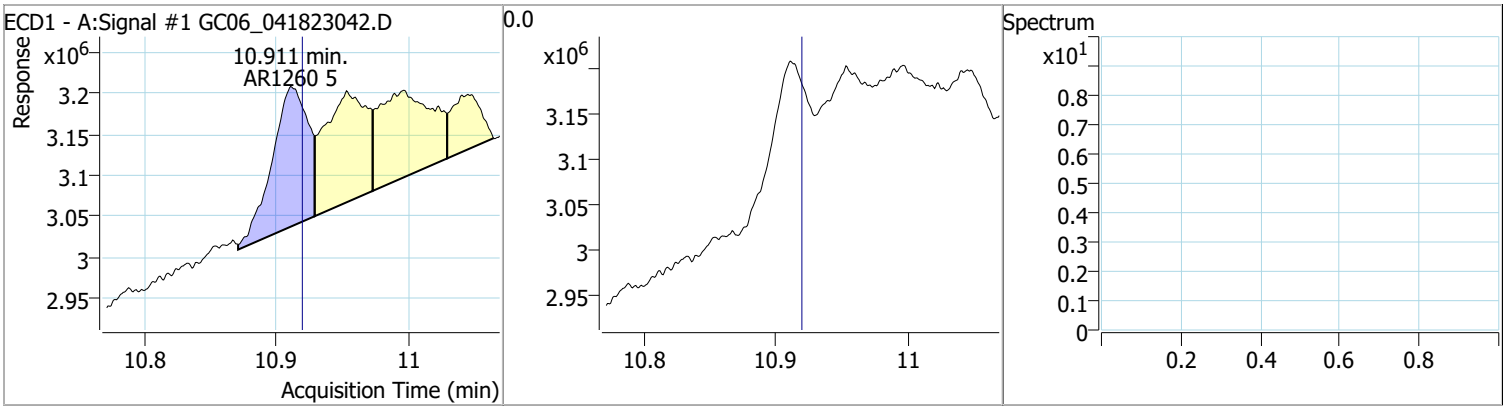
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.9035	10.37	0.10	129111				



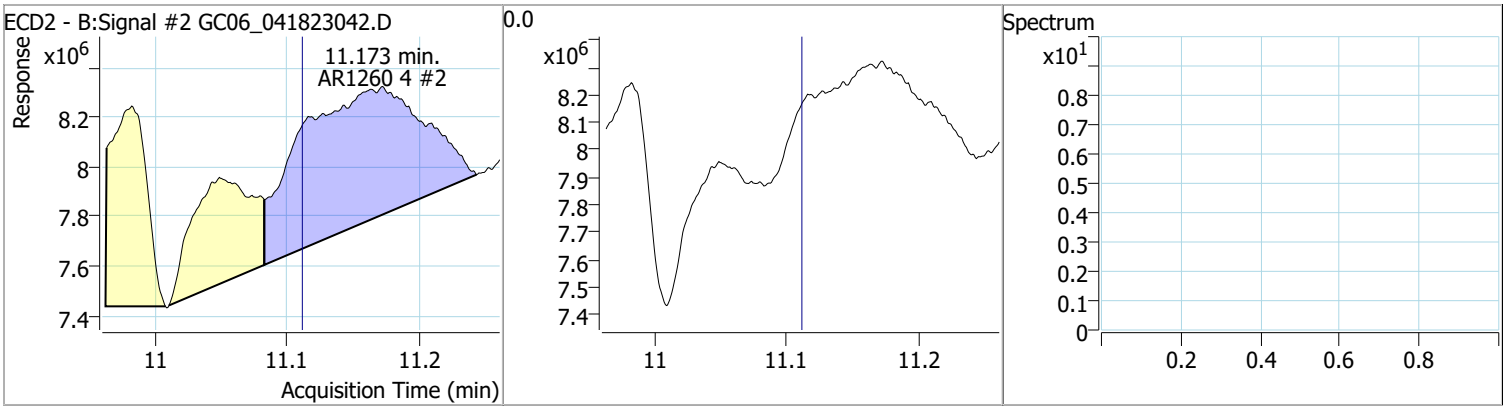
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	161.1030	10.69	-0.01	5223154				



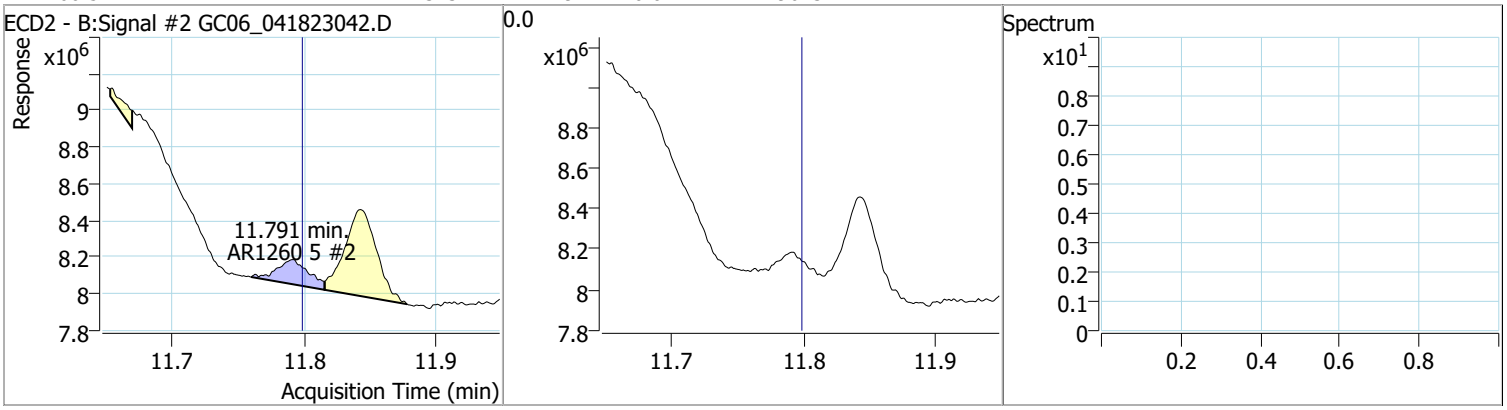
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	22.4894	10.91	-0.01	323896				



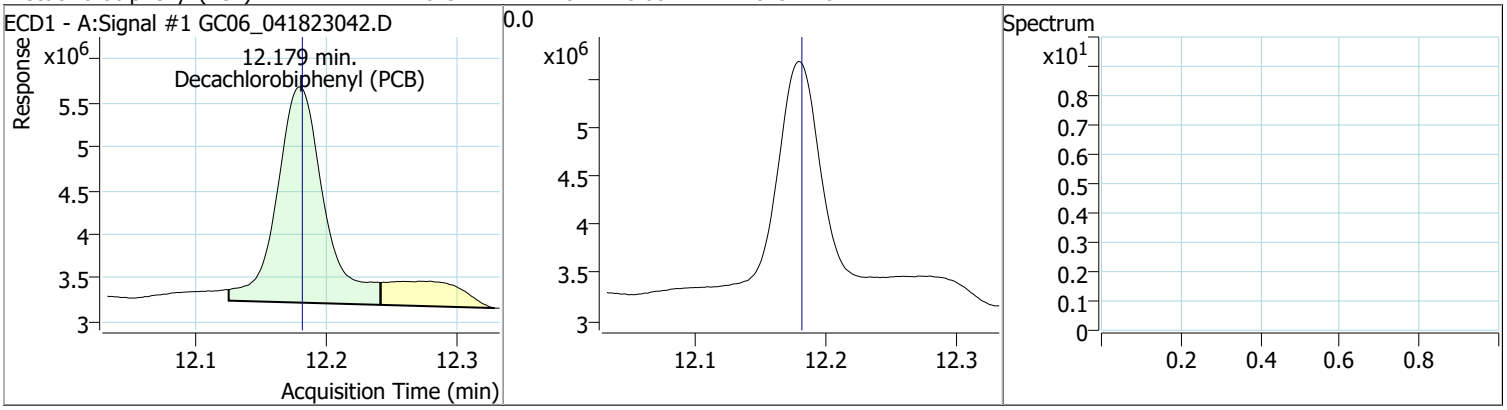
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	191.2024	11.17	0.06	3636804				



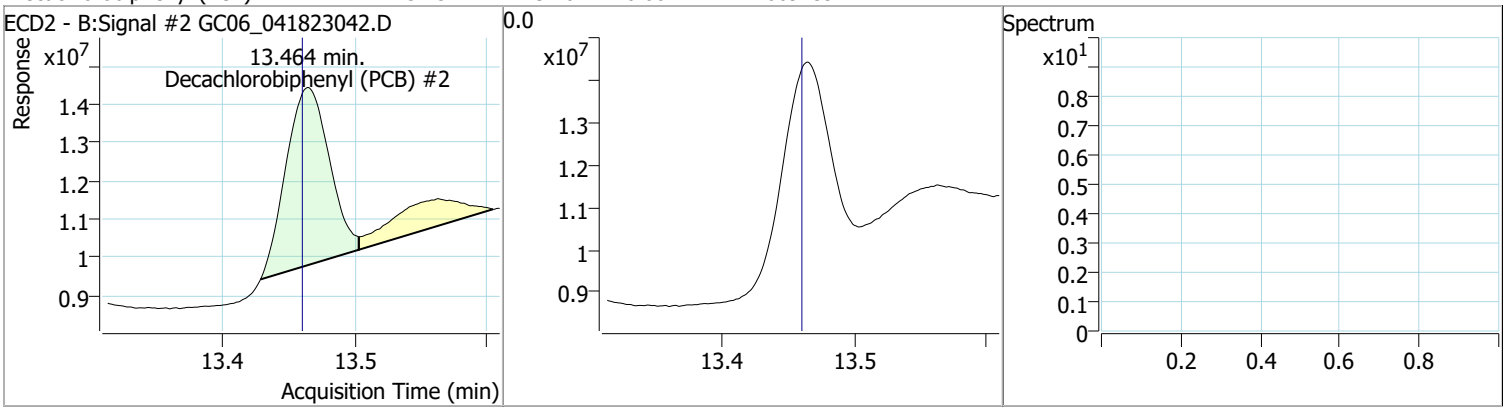
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.4373	11.79	-0.01	229673				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.0294	12.18	0.00	6157118				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.7522	13.46	0.00	10691391				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-003	Client ID:	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB
Seqnum:	453156076043	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823043	Batch:	312006	Time:	18-APR-2023 21:33
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	78.18	~~0.78~~ FP	0.82	5%	0.50		x u
Aroclor-1016 Peak # 1	B	67.35	0.67	0.31	75%			
Aroclor-1016 Peak # 2	B	42.25	0.42	0.20	70%			
Aroclor-1016 Peak # 3	B	233.9	2.34	0.40	142%			
Aroclor-1016 Peak # 4	B	10.57	0.11	2.01	180%			
Aroclor-1016 Peak # 5	B	36.82	0.37	1.17	104%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	63.98	~~0.64~~ FP	0.36	57%	0.50		x u
Aroclor-1260 Peak # 1	B	106.0	1.06	0.68	43%			
Aroclor-1260 Peak # 2	B	43.50	0.44	0.64	38%			
Aroclor-1260 Peak # 3	B	51.03	0.51	ND				
Aroclor-1260 Peak # 4	B	117.4	1.17	0.07	179%			
Aroclor-1260 Peak # 5	B	1.935	0.02	0.39	181%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.99	0.5000	0.3399	68	19-121	u
Decachlorobiphenyl (PCB)	B	26.90	0.5000	0.2690	54	19-121	c+ u

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

ISTD (CCV gc06_041823004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8257104	7362546	-10.83
1-bromo-2-nitrobenzene (PCB)	A	2167699	2221660	2.49

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

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

ISTD (CCV gc06_041823004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

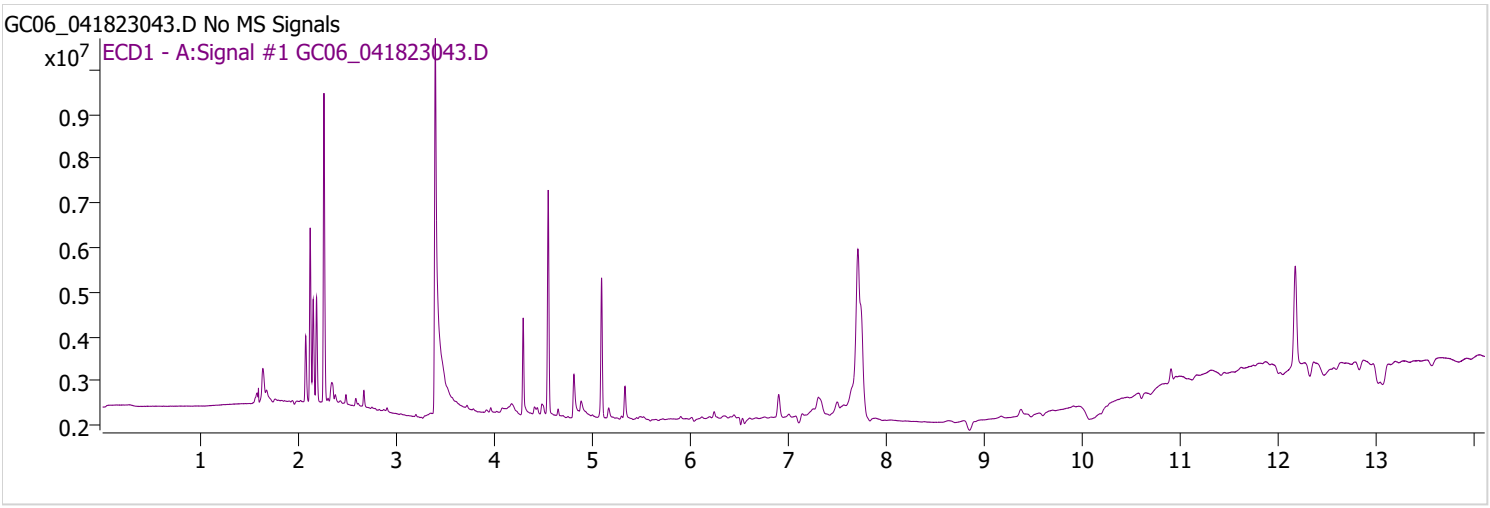
ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

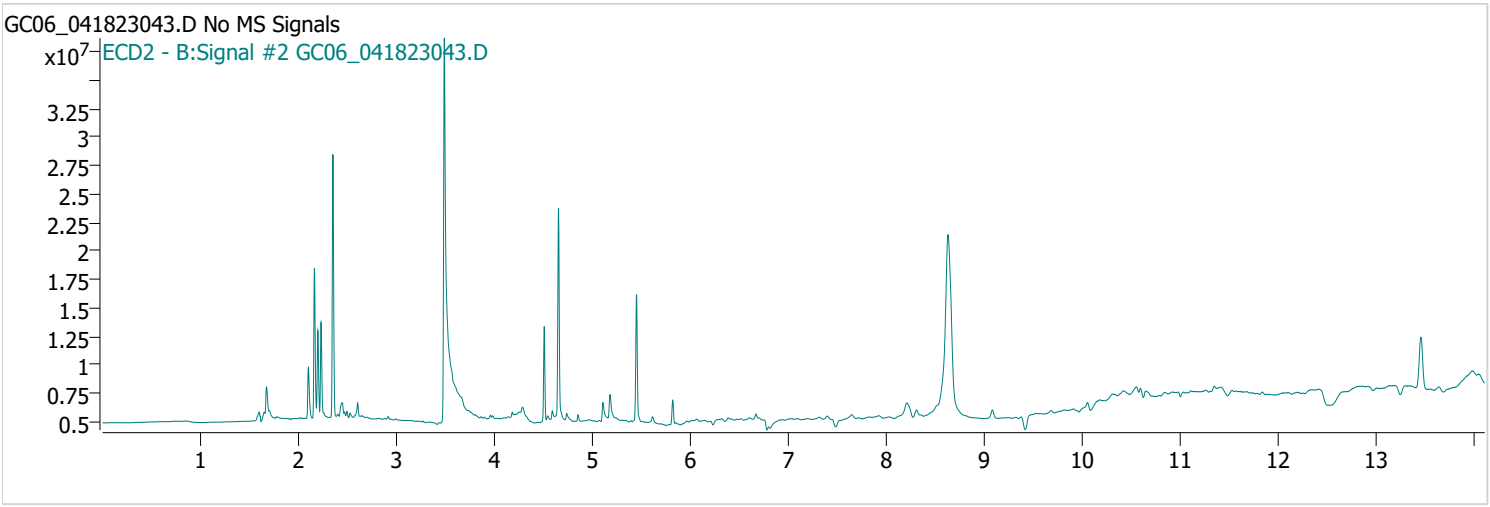
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Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823043.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/18/2023 9:33:33 PM
Sample Name	483449-003, 312006, 1	Instrument	SVOA-GC06
Vial	32	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



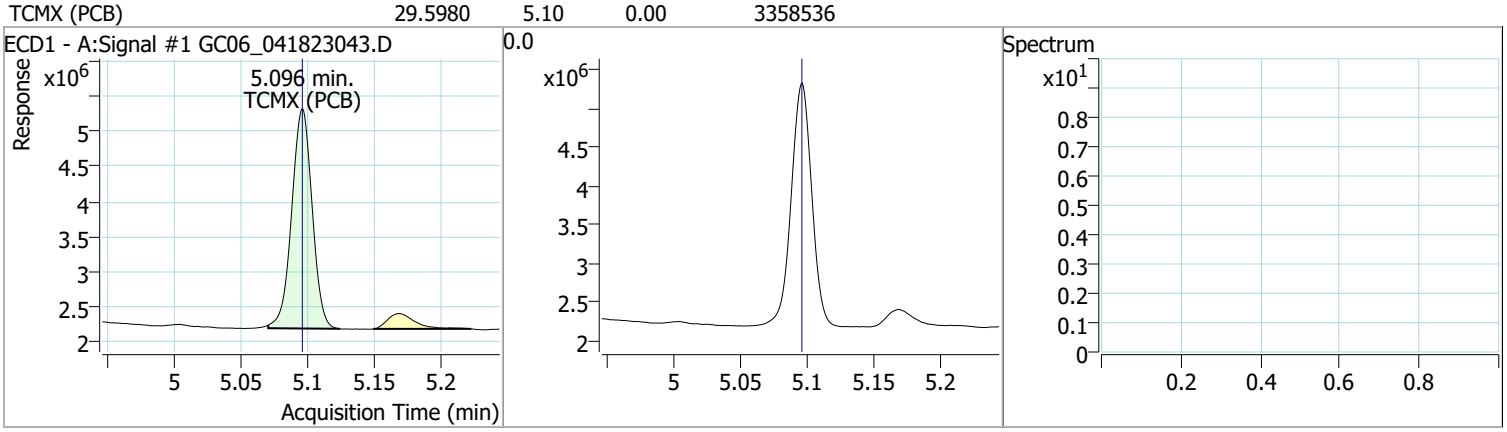


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.295	0.0	2221660.493	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7362545.760	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	3358535.868	29.5980	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.99%			
S TCMX (PCB) #2	5.453	0.0	12392191.832	33.9905	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.95%		*	
S Decachlorobiphenyl (PCB)	12.179	0.0	6257785.902	39.9715	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.86%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	11023101.743	26.9021	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.51%			
Target Compounds							QValue

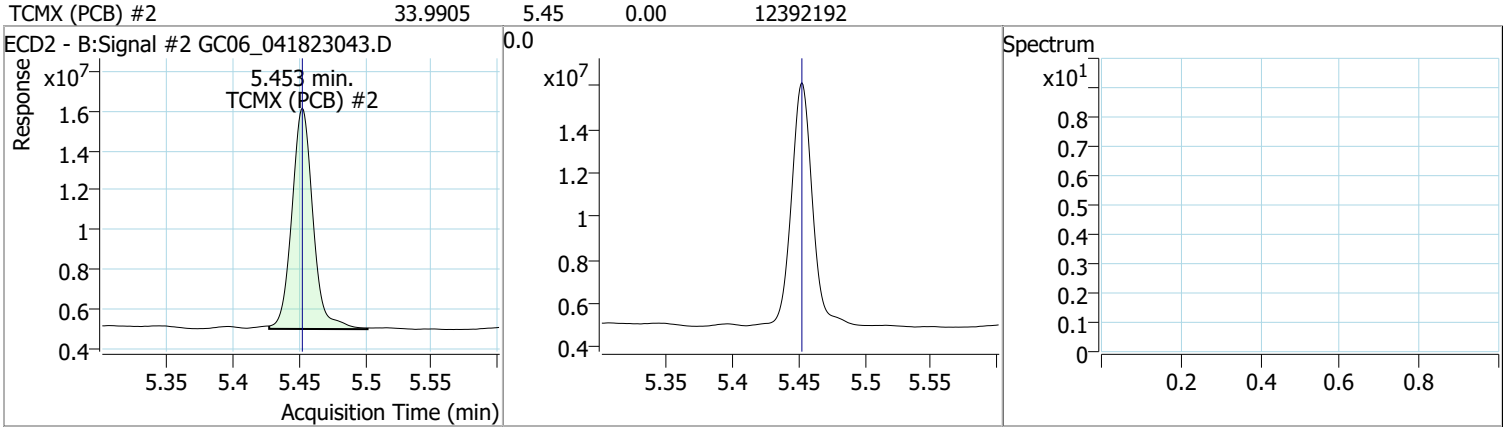
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	70828.152	30.6532	ng/ml	100
T AR1016 2	5.801	0.0	101139.480	20.4014	ng/ml	100
T AR1016 1 #2	5.968	0.0	509699.967	67.3508	ng/ml	100
T AR1016 3	6.246	0.0	246240.924	39.9287	ng/ml	100
T AR1016 2 #2	6.388	0.0	674339.397	42.2536	ng/ml	100
T AR1016 4	6.451	0.0	911403.569	201.0004	ng/ml	100
T AR1016 5	6.608	0.0	311454.194	117.1149	ng/ml	100
T AR1016 3 #2	7.037	0.0	4736999.446	233.9305	ng/ml	100
T AR1016 4 #2	7.098	0.0	154012.193	10.5722	ng/ml	100
T AR1016 5 #2	7.829	0.0	441712.305	36.8217	ng/ml	100
T AR1260 1	8.791	0.0	506445.102	68.4160	ng/ml	100
T AR1260 2	9.378	0.0	715615.612	63.9632	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	10.057	0.0	2226533.945	105.9976	ng/ml	100
T AR1260 4	10.187	0.0	45800.224	6.5812	ng/ml	100
T AR1260 2 #2	10.312	0.0	1130552.517	43.5045	ng/ml	100
T AR1260 3 #2	10.653	0.0	1633006.257	51.0342	ng/ml	100
T AR1260 5	10.911	0.0	581595.843	38.7084	ng/ml	100
T AR1260 4 #2	11.115	0.0	2204794.329	117.4477	ng/ml	100
T AR1260 5 #2	11.783	0.0	58982.376	1.9352	ng/ml	100

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

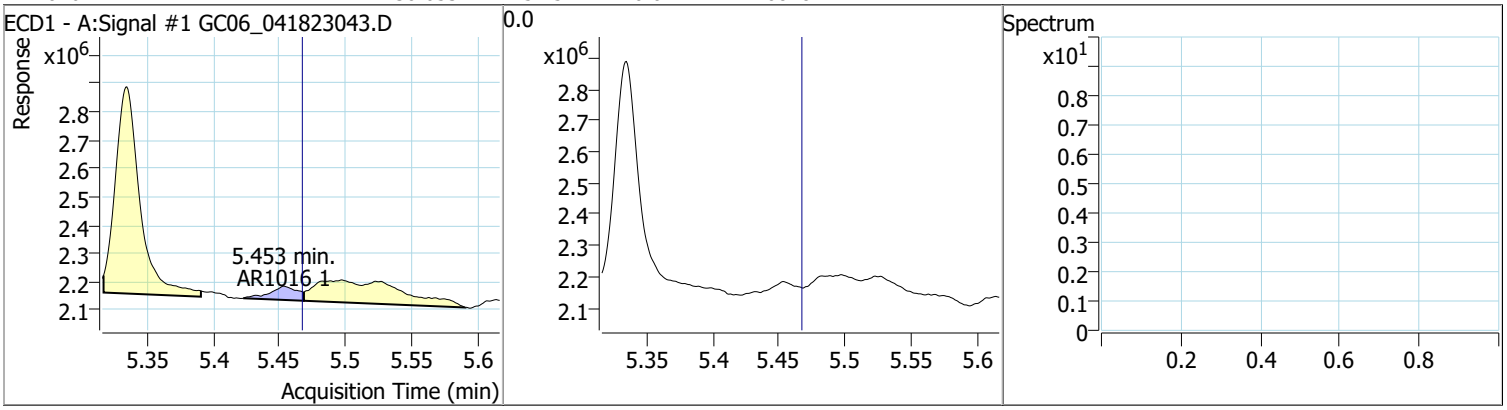
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.5980	5.10	0.00	3358536				



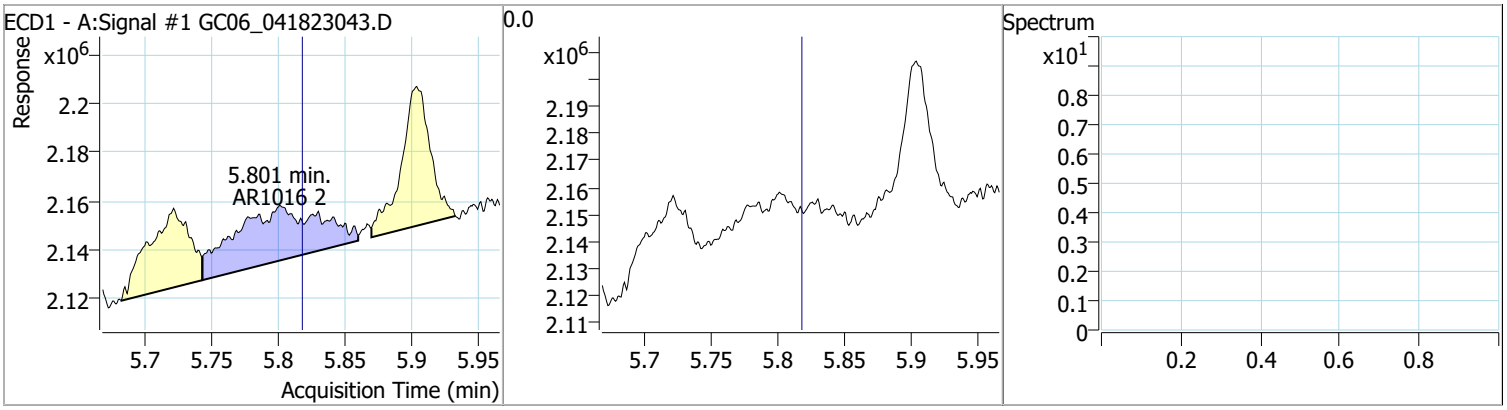
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.9905	5.45	0.00	12392192				



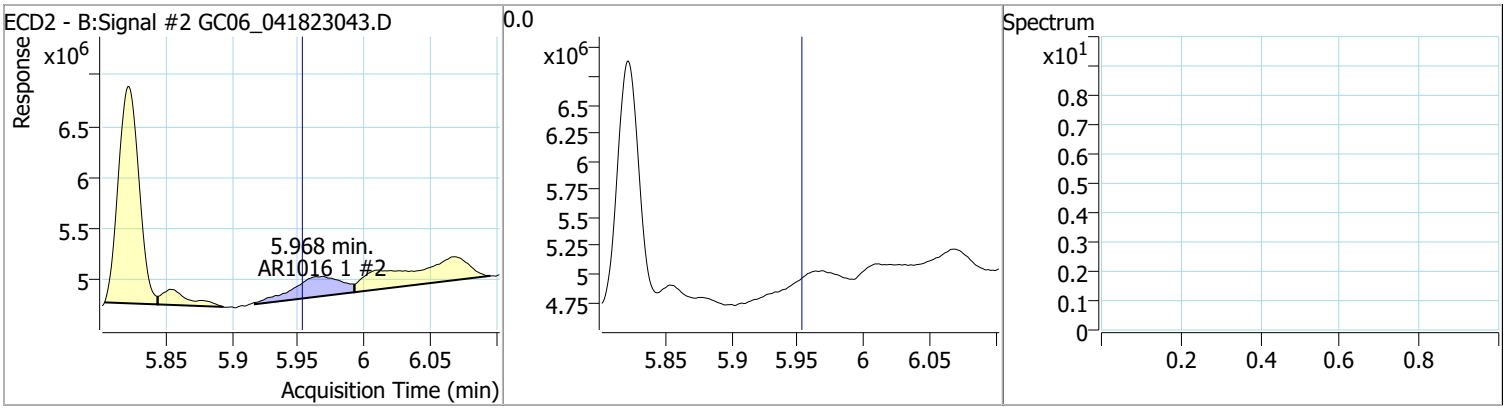
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	30.6532	5.45	-0.01	70828				



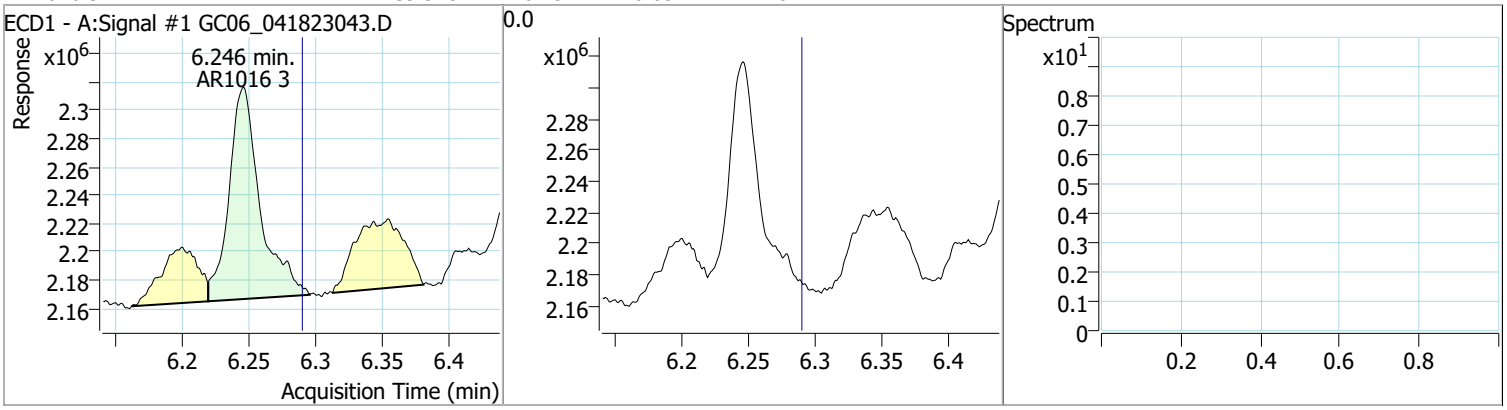
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.4014	5.80	-0.02	101139				



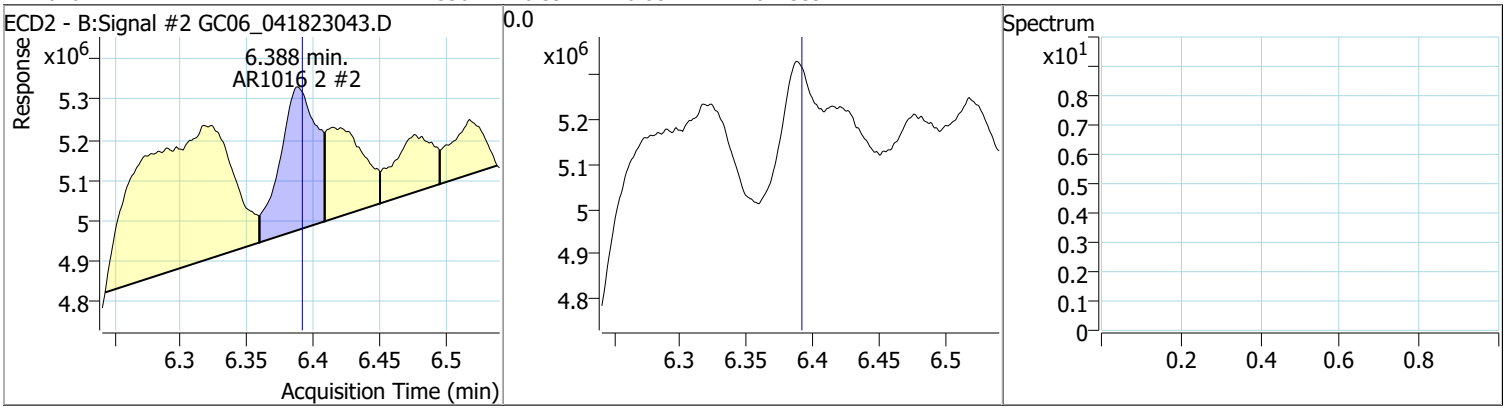
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	67.3508	5.97	0.02	509700				



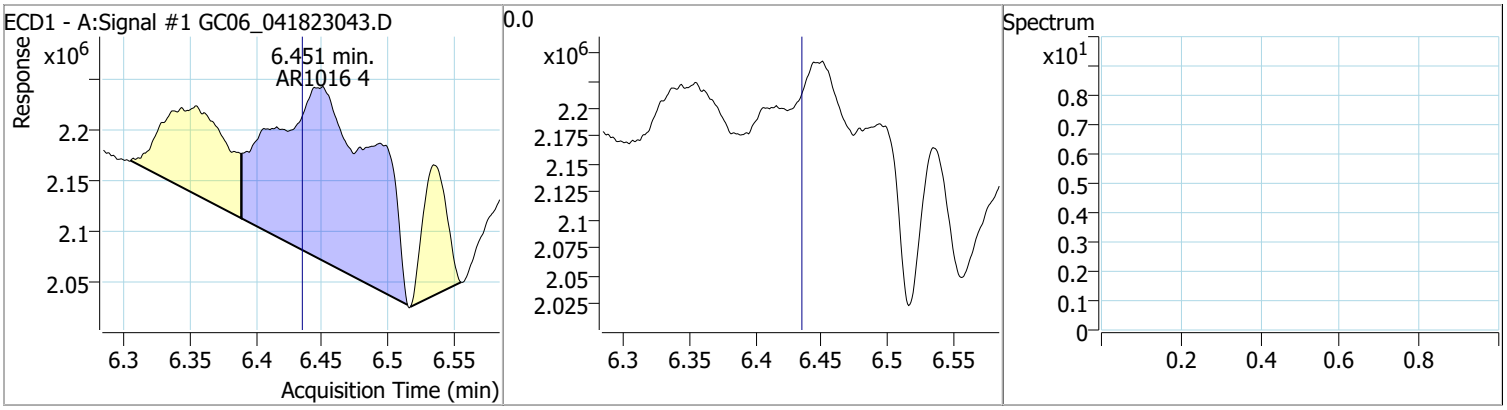
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.9287	6.25	-0.05	246241				



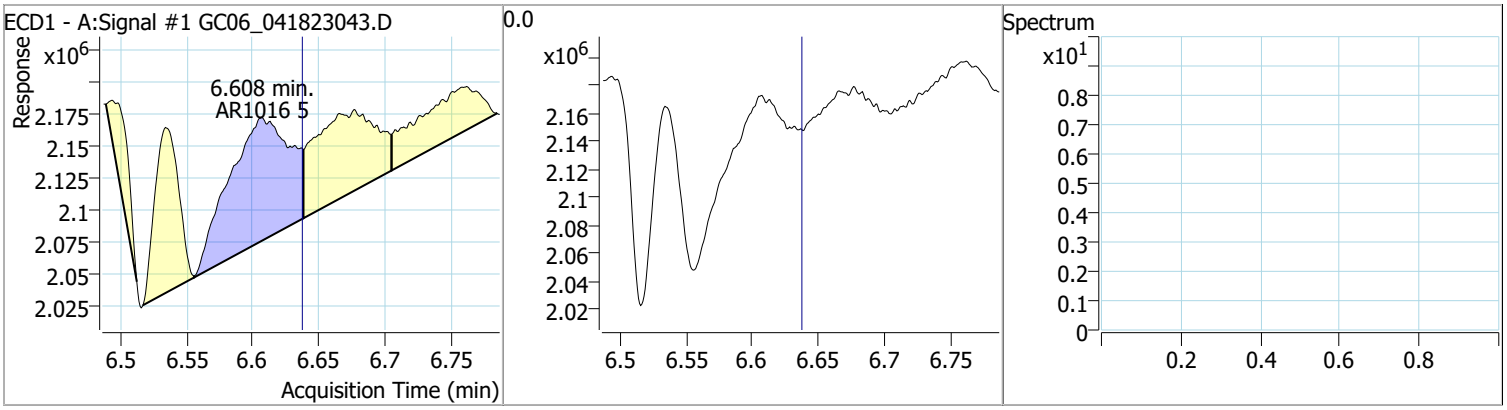
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	42.2536	6.39	0.00	674339				



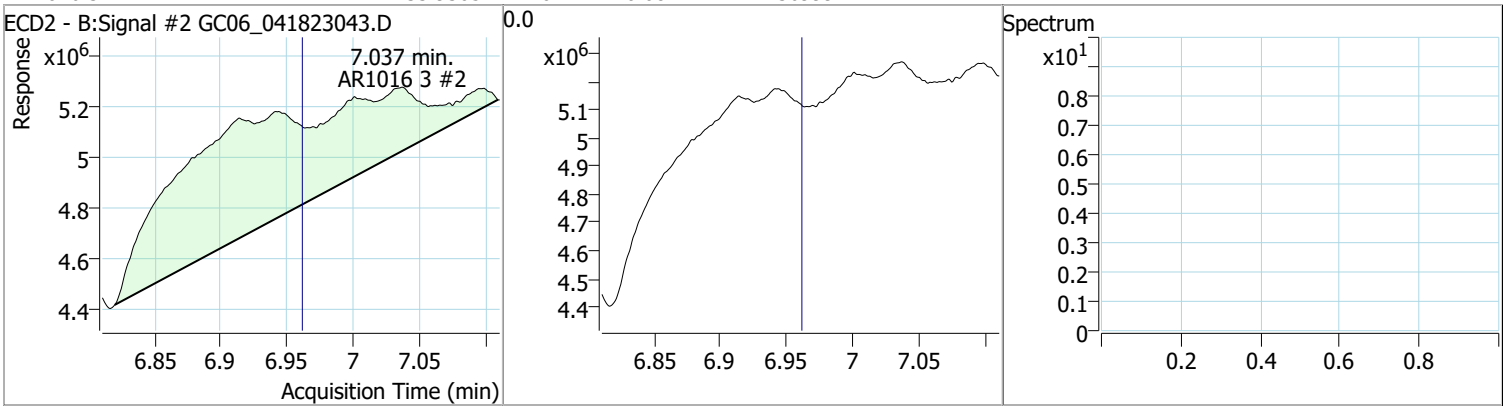
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	201.0004	6.45	0.01	911404				



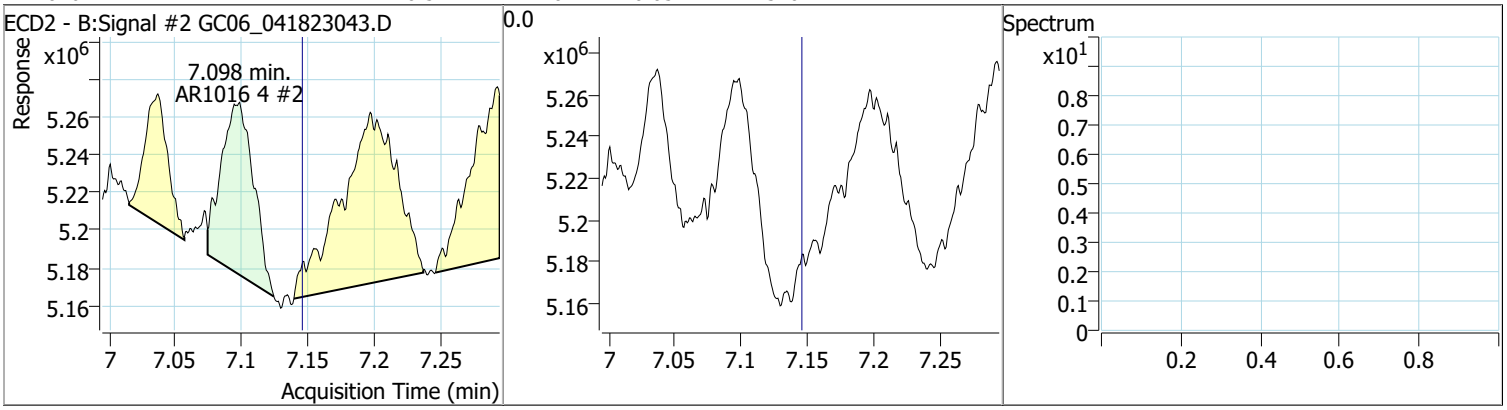
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	117.1149	6.61	-0.03	311454				



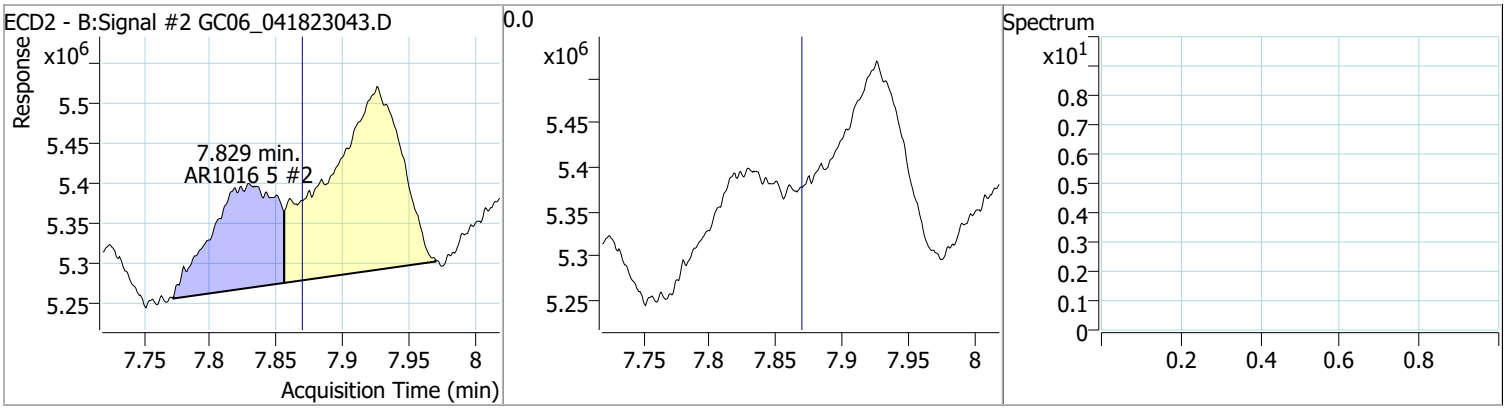
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	233.9305	7.04	0.08	4736999				



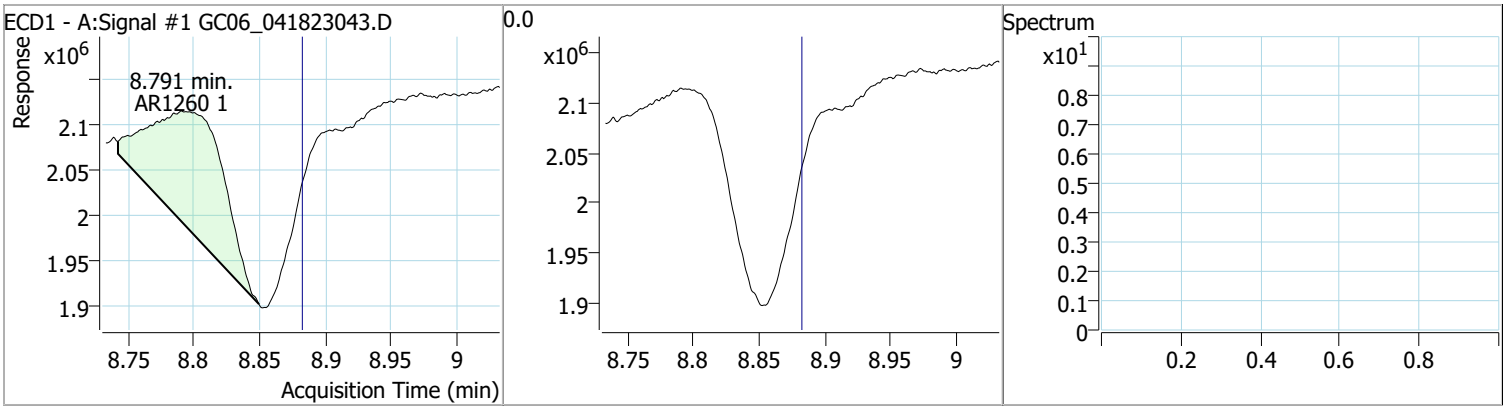
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.5722	7.10	-0.05	154012				



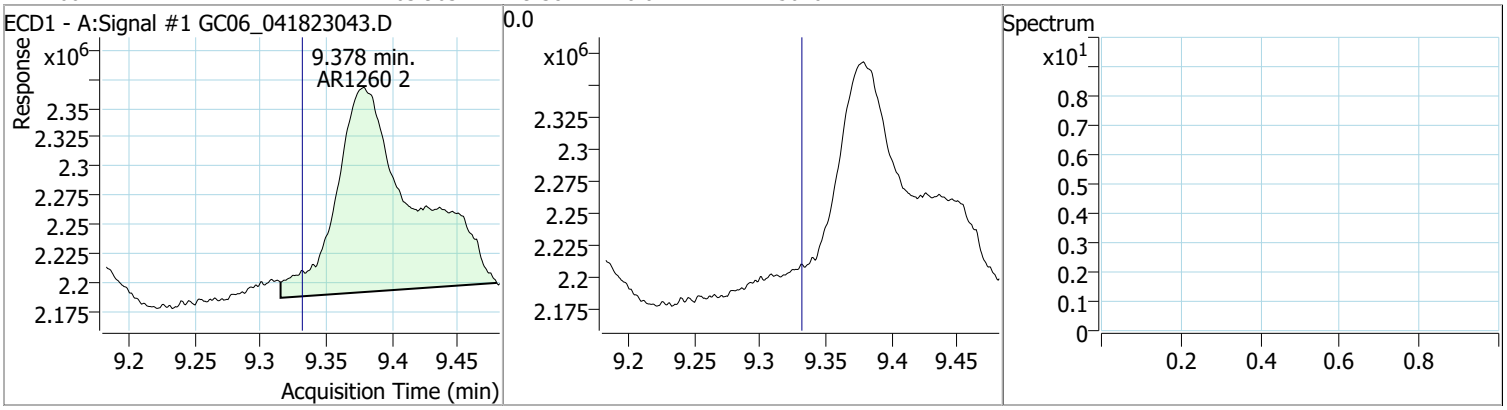
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	36.8217	7.83	-0.04	441712				



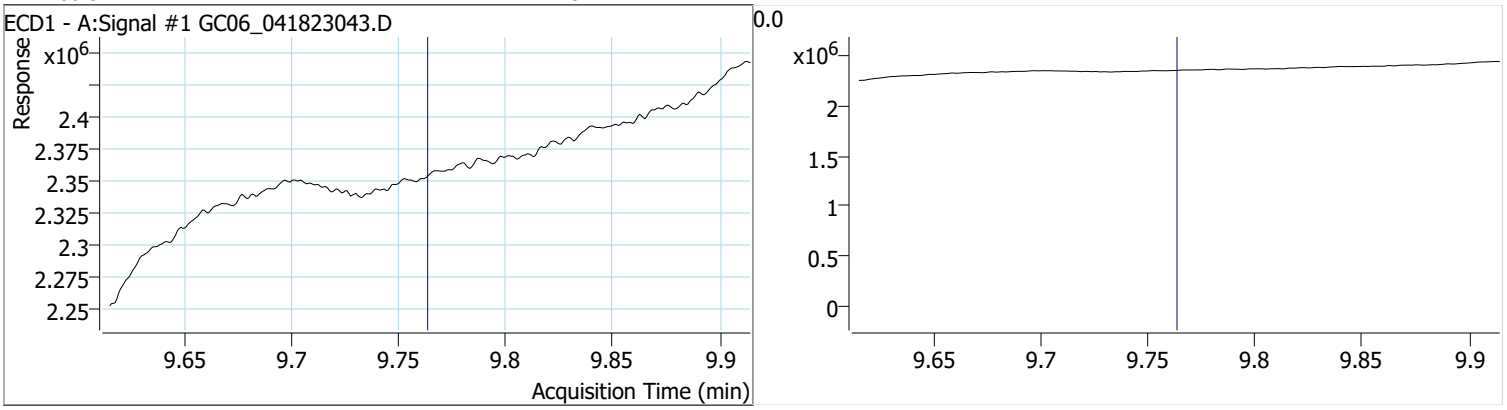
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	68.4160	8.79	-0.09	506445				



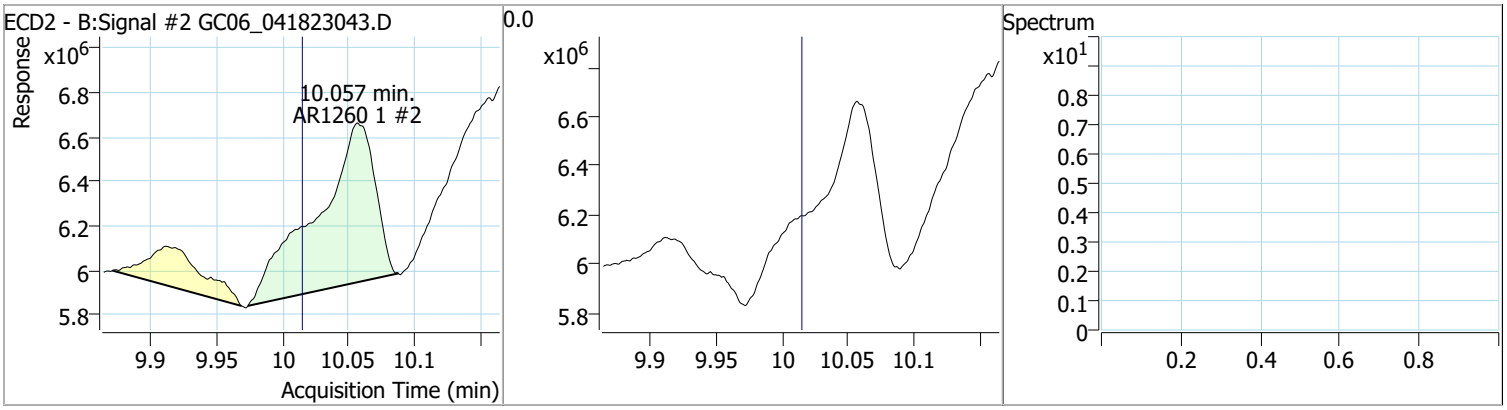
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	63.9632	9.38	0.04	715616				



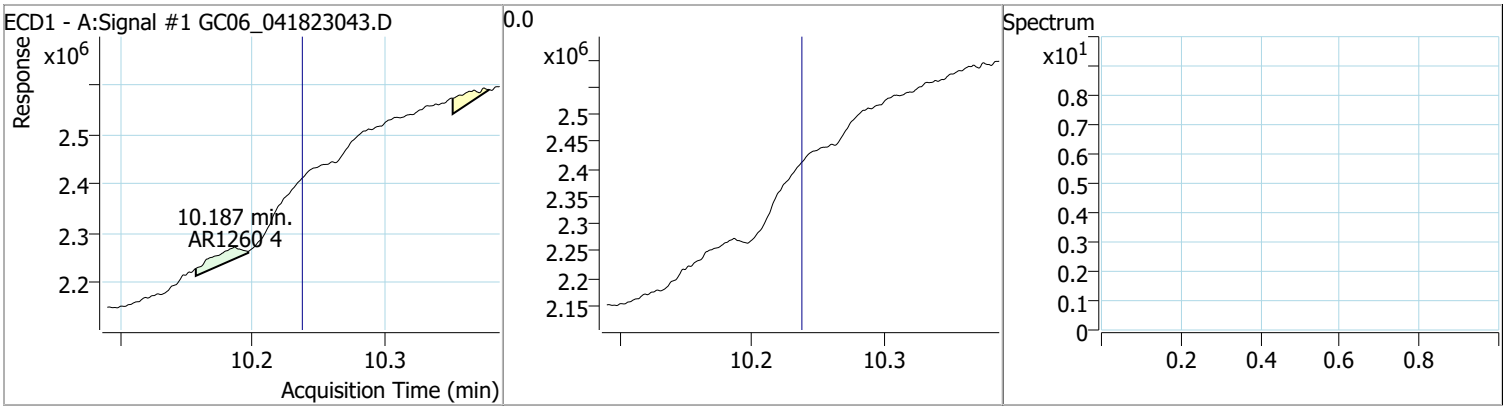
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.77		



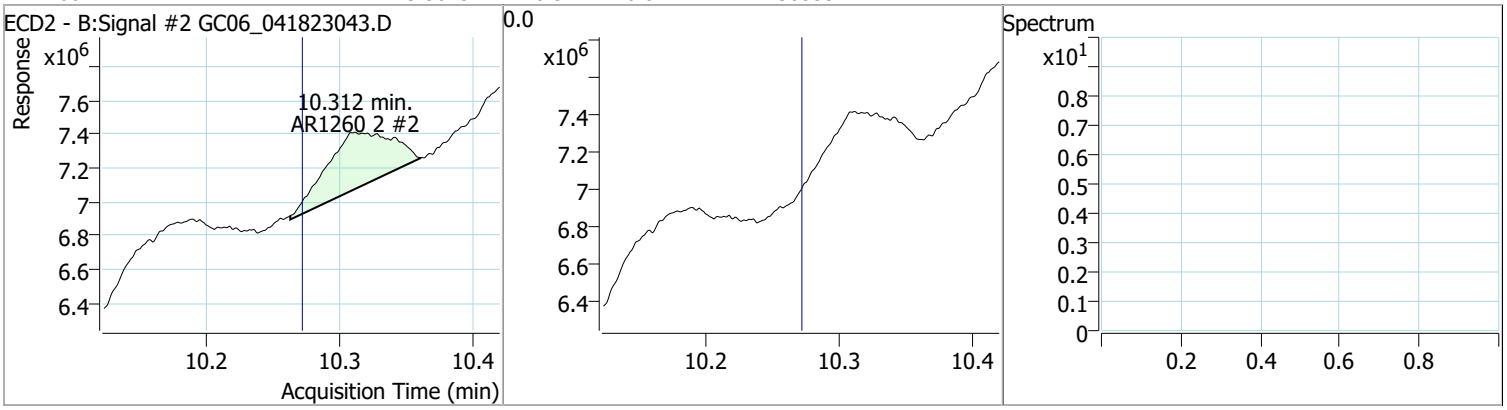
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	105.9976	10.06	0.04	2226534				



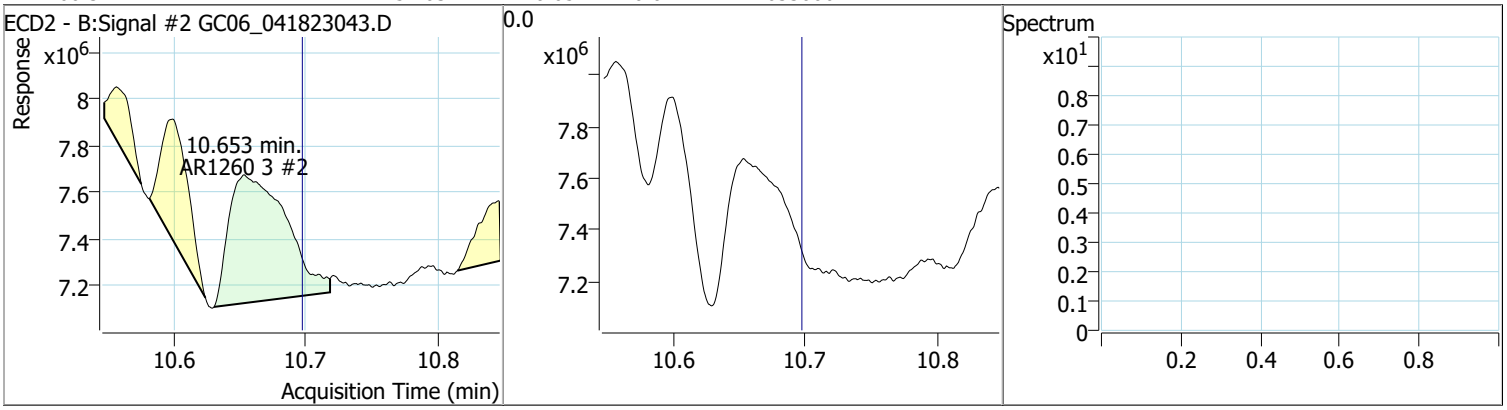
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	6.5812	10.19	-0.05	45800				



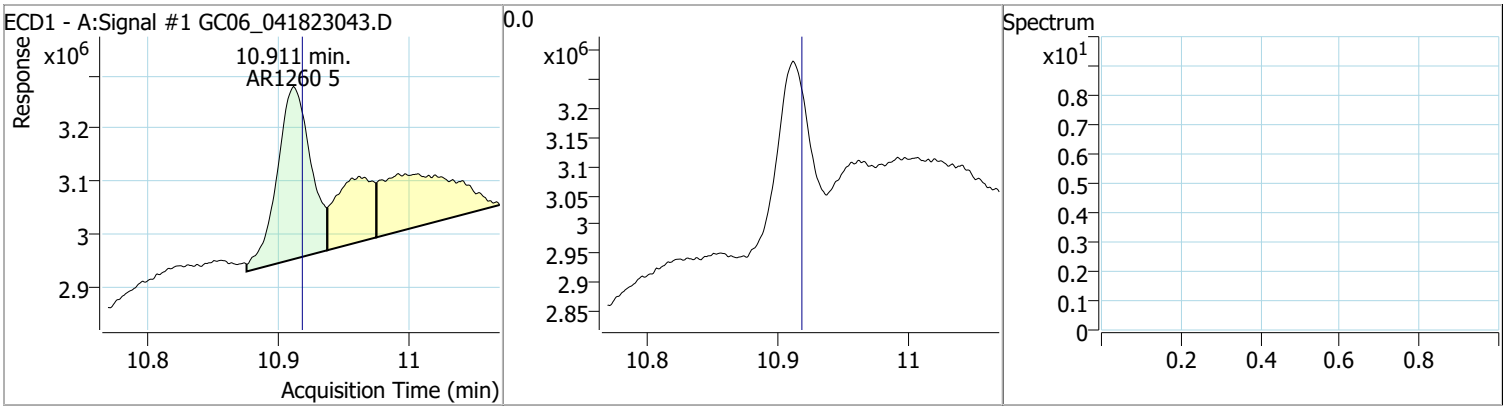
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	43.5045	10.31	0.04	1130553				



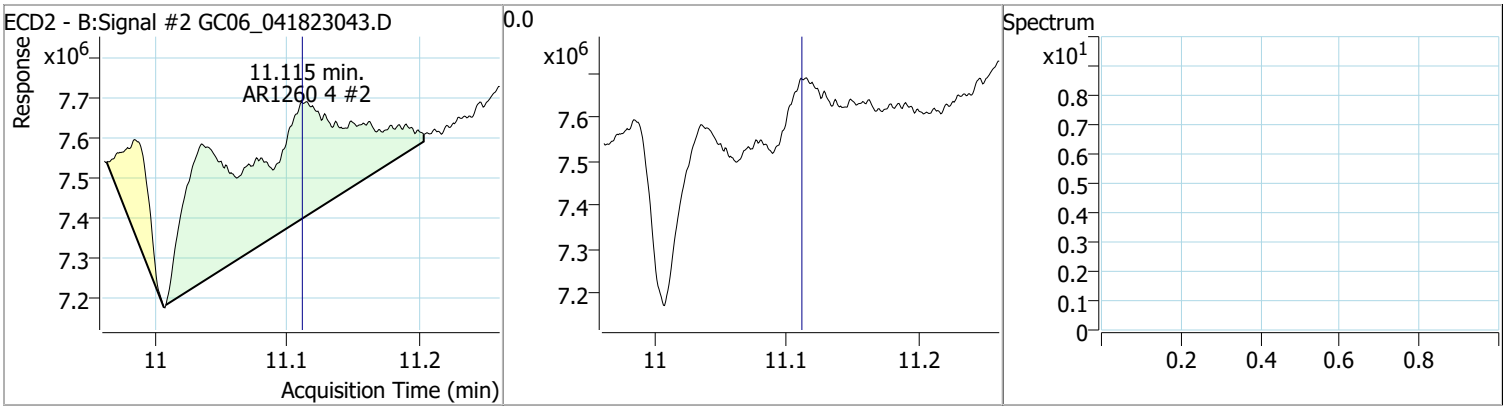
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	51.0342	10.65	-0.04	1633006				



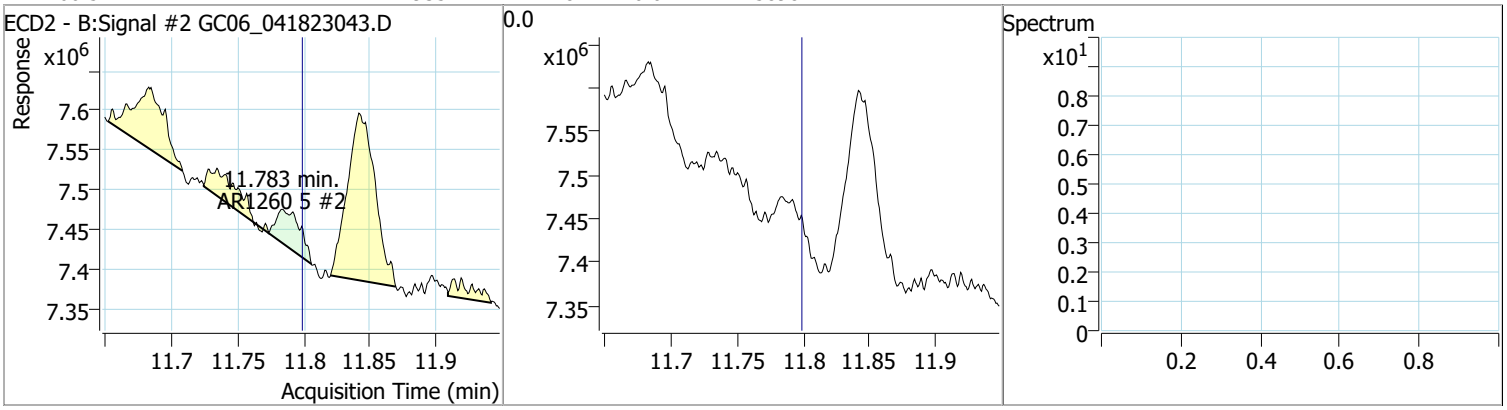
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	38.7084	10.91	-0.01	581596				



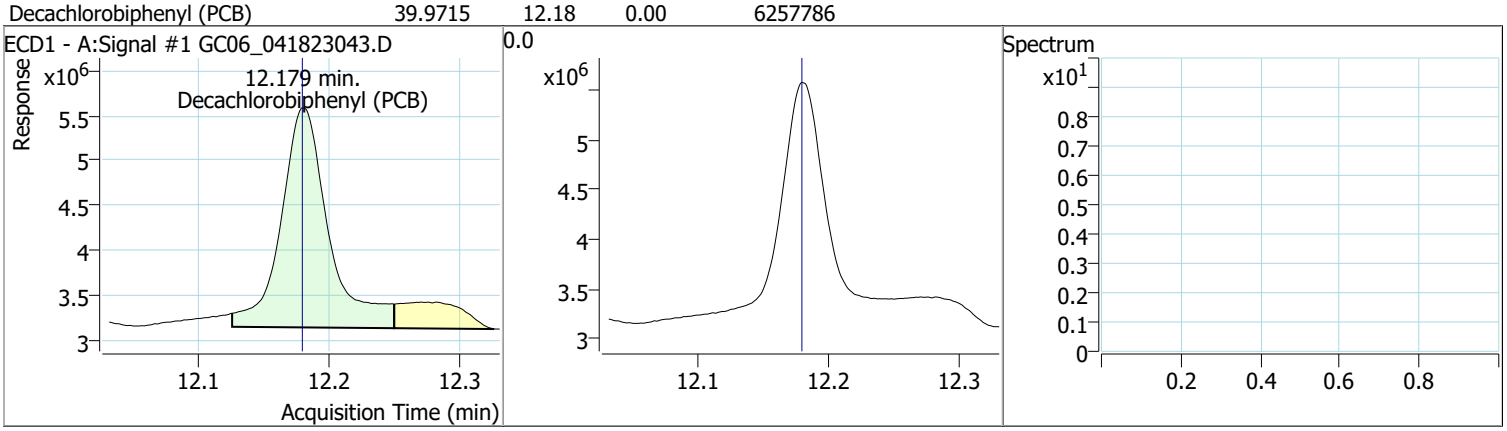
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	117.4477	11.12	0.00	2204794				



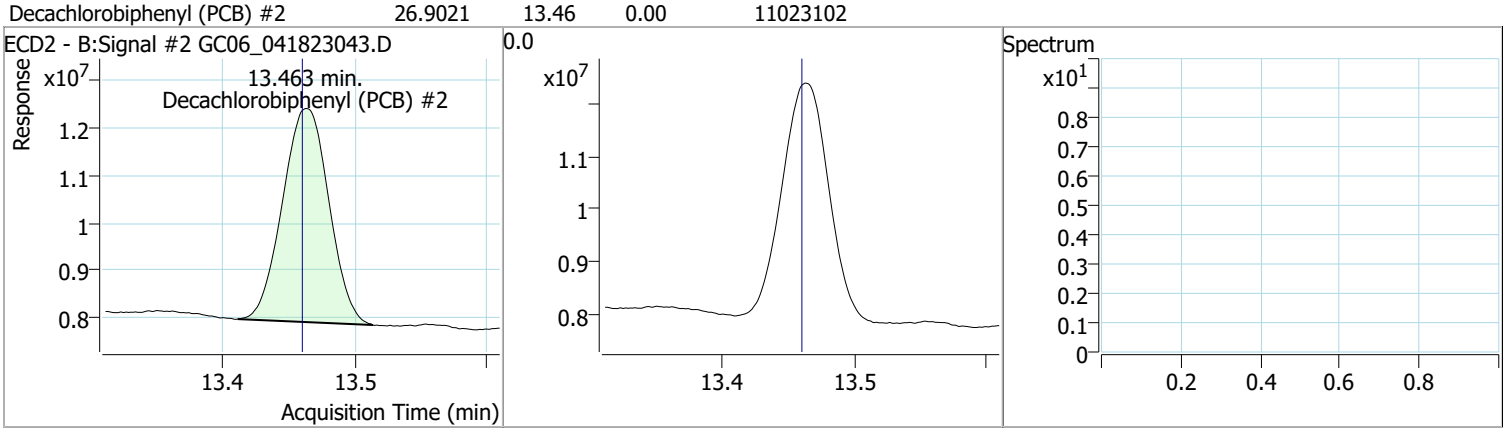
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.9352	11.78	-0.02	58982				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.9715	12.18	0.00	6257786				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.9021	13.46	0.00	11023102				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-005	Client ID:	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF
Seqnum:	453156076044	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823044	Batch:	312006	Time:	18-APR-2023 21:51
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	70.52	~~0.71~~ ~~FP~~	0.77	9%	0.50		x u
Aroclor-1016 Peak # 1	B	69.91	0.70	0.21	108%			
Aroclor-1016 Peak # 2	B	36.66	0.37	0.22	50%			
Aroclor-1016 Peak # 3	B	201.0	2.01	0.55	114%			
Aroclor-1016 Peak # 4	B	11.60	0.12	2.00	178%			
Aroclor-1016 Peak # 5	B	33.44	0.33	0.89	90%			
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	34.27	ND	0.48	34%	0.50		u
Aroclor-1260 Peak # 1	B	88.86	0.89	1.12	23%			
Aroclor-1260 Peak # 2	B	0	ND	0.70				
Aroclor-1260 Peak # 3	B	14.11	0.14	0.06	83%			
Aroclor-1260 Peak # 4	B	55.45	0.55	0.14	118%			
Aroclor-1260 Peak # 5	B	12.95	0.13	0.38	99%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.73	0.5000	0.3273	65	19-121	u
Decachlorobiphenyl (PCB)	B	28.41	0.5000	0.2841	57	19-121	c+ u

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

ISTD (CCV gc06_041823004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8257104	7404018	-10.33
1-bromo-2-nitrobenzene (PCB)	A	2167699	2093839	-3.41

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

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

ISTD (CCV gc06_041823004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

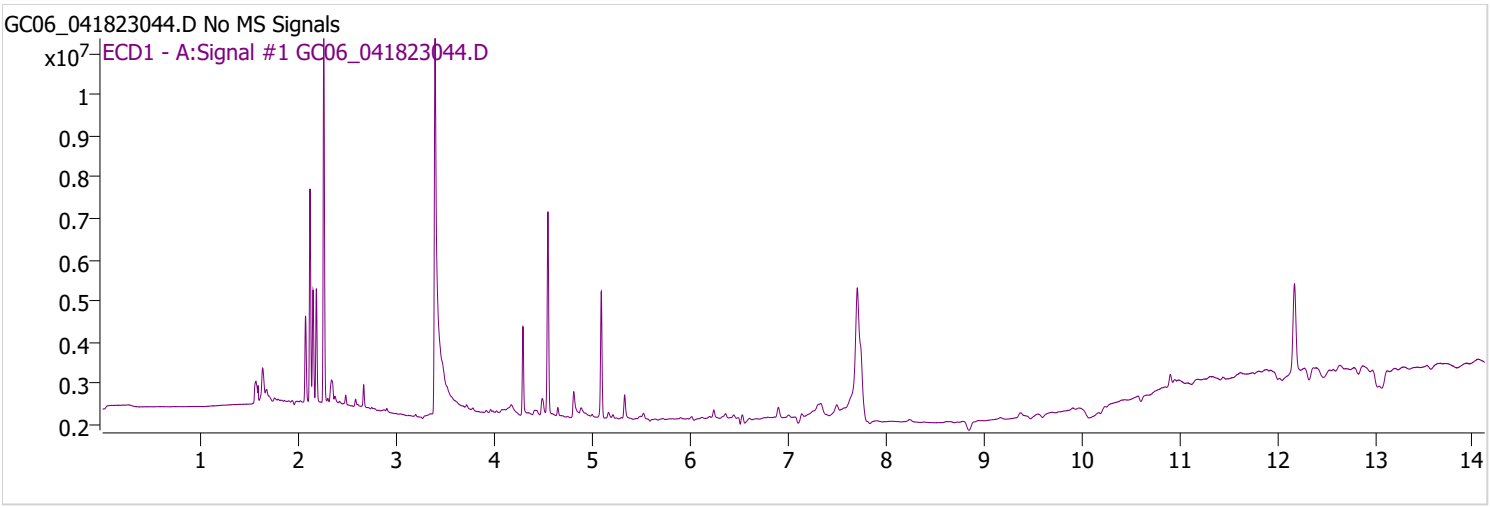
ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

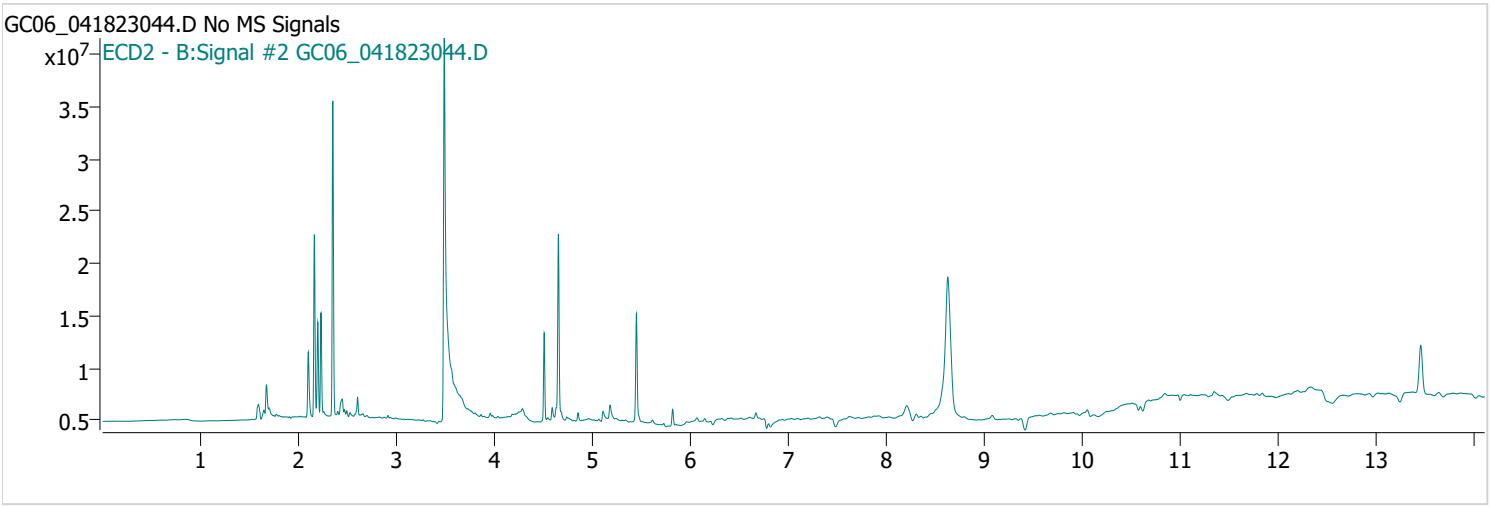
+=high bias c=CCV u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823044.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/18/2023 9:51:52 PM
Sample Name	483449-005, 312006, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



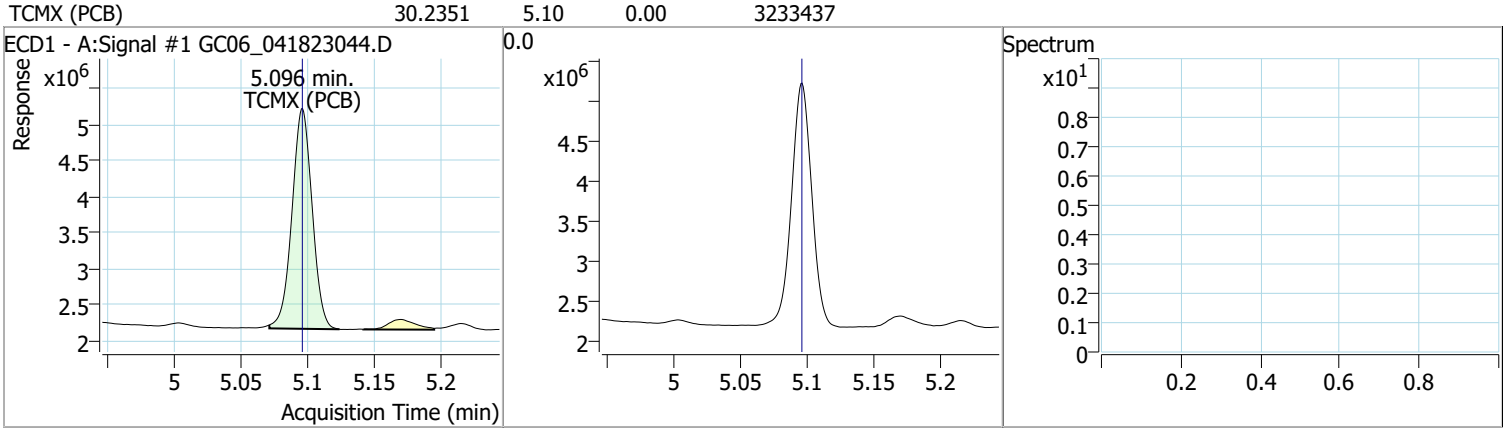


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.295	0.0	2093839.066	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7404017.513	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	3233437.303	30.2351	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.18%		*	
S TCMX (PCB) #2	5.453	0.0	12000888.916	32.7328	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.66%		*	
S Decachlorobiphenyl (PCB)	12.179	0.0	7013079.446	47.5305	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.65%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	11706291.506	28.4094	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.05%			
Target Compounds							QValue

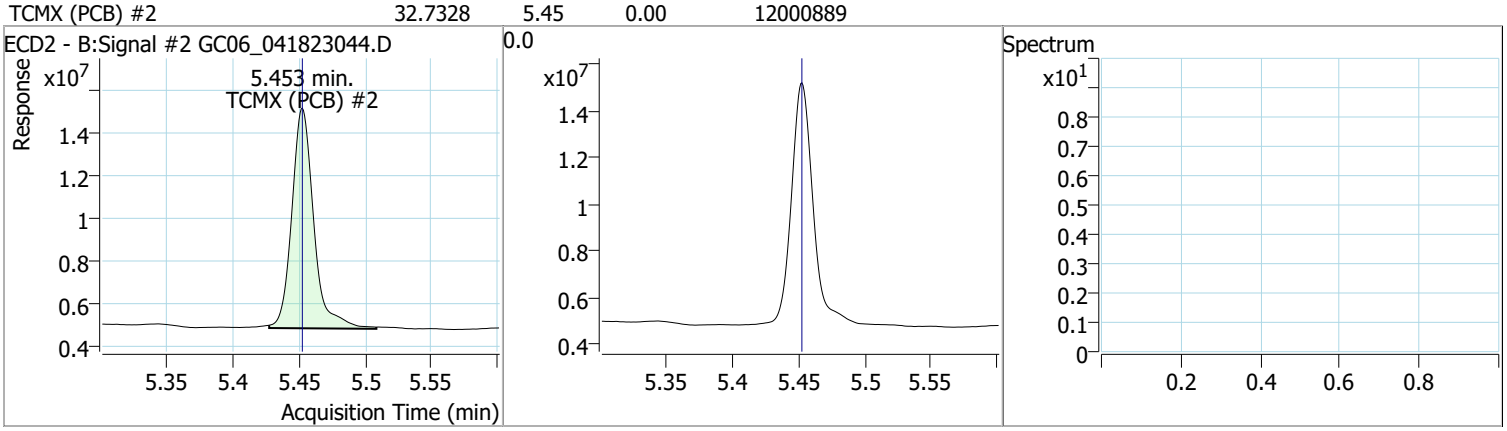
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	45300.152	20.8019	ng/ml	100
T AR1016 2	5.907	0.0	102709.662	21.9829	ng/ml	100
T AR1016 1 #2	5.967	0.0	532039.641	69.9090	ng/ml	100
T AR1016 3	6.246	0.0	320599.131	55.1596	ng/ml	100
T AR1016 2 #2	6.388	0.0	588390.018	36.6616	ng/ml	100
T AR1016 4	6.450	0.0	854842.768	200.0354	ng/ml	100
T AR1016 5	6.608	0.0	221945.322	88.5520	ng/ml	100
T AR1016 3 #2	7.033	0.0	4093350.876	201.0125	ng/ml	100
T AR1016 4 #2	7.097	0.0	169872.499	11.5956	ng/ml	100
T AR1016 5 #2	7.825	0.0	403406.054	33.4401	ng/ml	100
T AR1260 1	8.952	0.0	783697.494	112.3331	ng/ml	100
T AR1260 2	9.383	0.0	736701.061	69.8677	ng/ml	100
T AR1260 3	9.786	0.0	61472.121	5.8007	ng/ml	100
T AR1260 1 #2	10.058	0.0	1877034.464	88.8586	ng/ml	100
T AR1260 4	10.183	0.0	93942.424	14.3229	ng/ml	100
T AR1260 2 #2	0.000		0	N.D.		
T AR1260 3 #2	10.600	0.0	454110.257	14.1122	ng/ml	100
T AR1260 5	10.910	0.0	544021.276	38.4179	ng/ml	100
T AR1260 4 #2	11.113	0.0	1046862.421	55.4532	ng/ml	100
T AR1260 5 #2	11.787	0.0	396928.600	12.9503	ng/ml	100

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

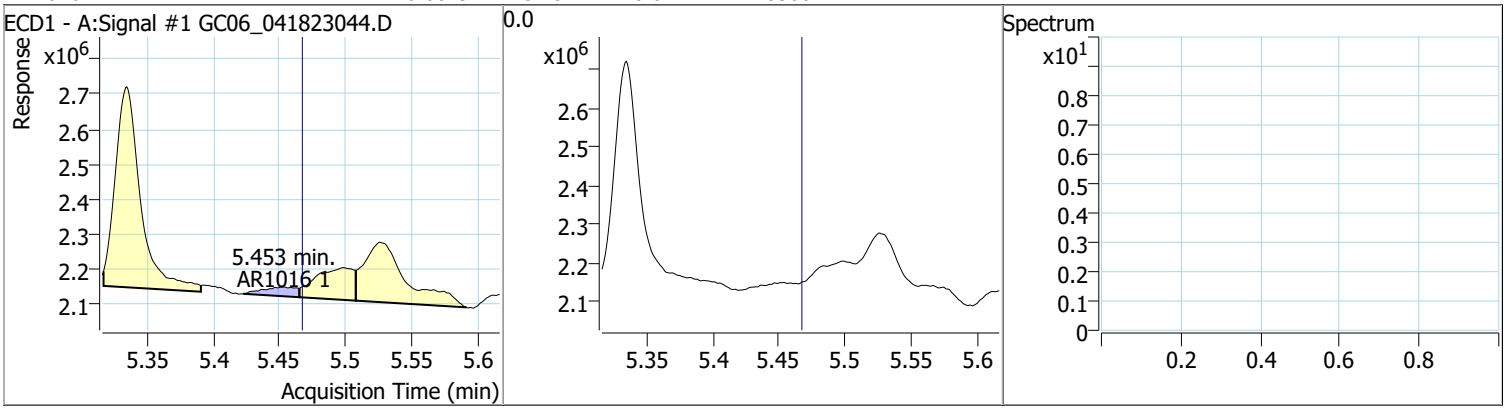
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.2351	5.10	0.00	3233437				



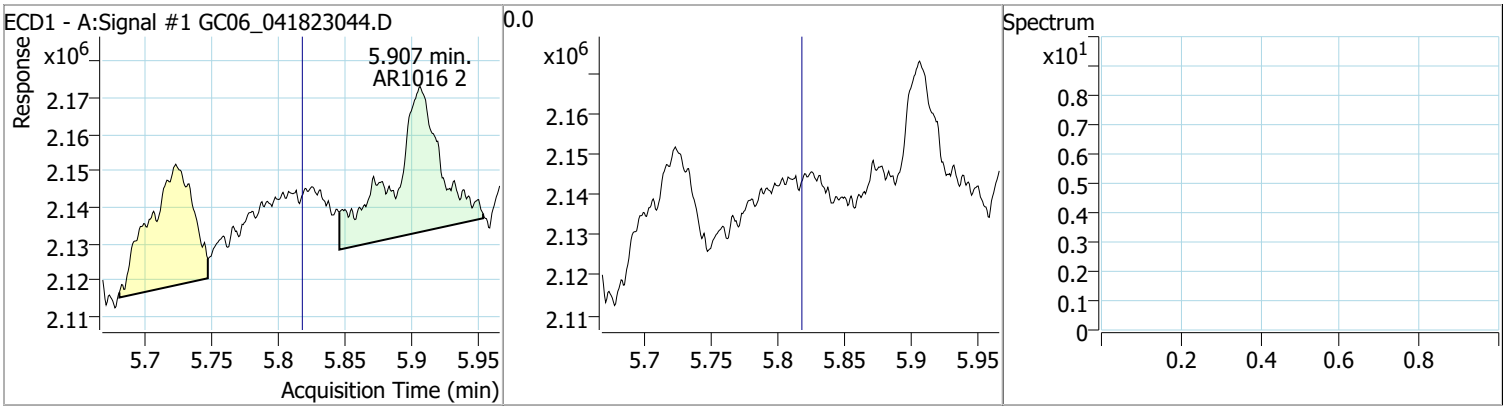
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.7328	5.45	0.00	12000889				



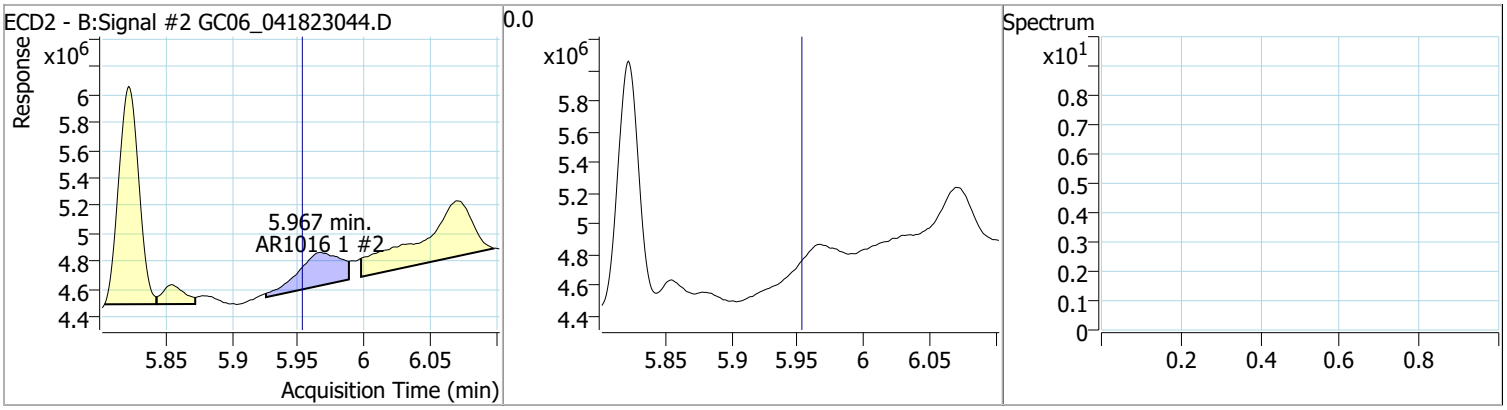
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	20.8019	5.45	-0.01	45300				



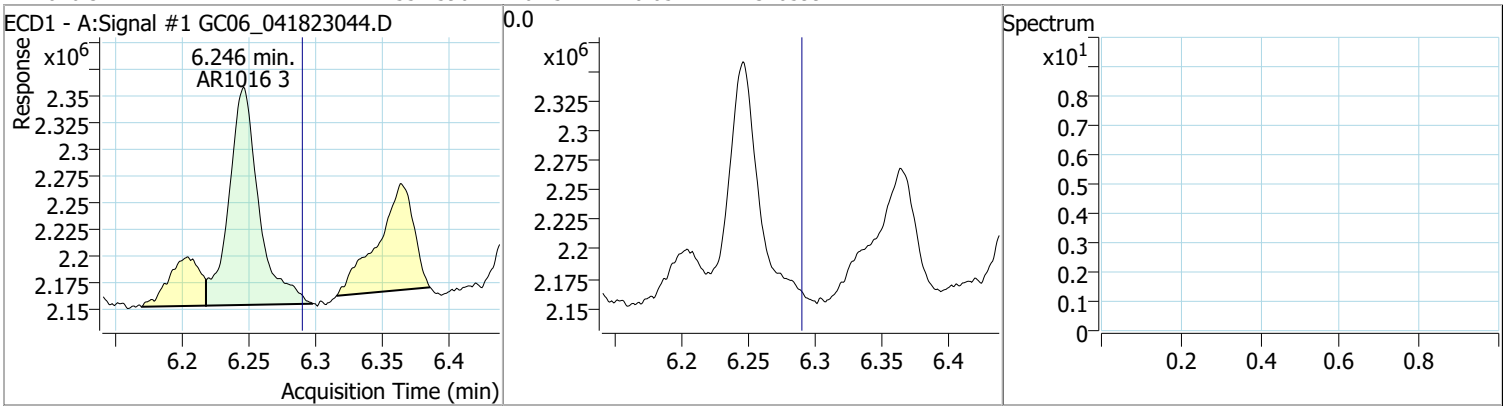
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	21.9829	5.91	0.09	102710				



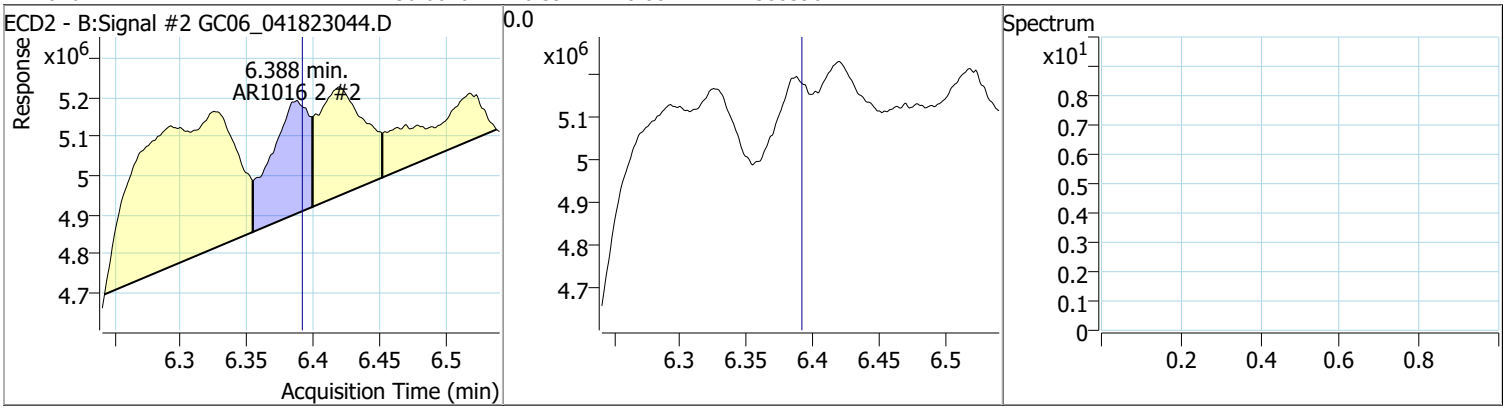
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	69.9090	5.97	0.01	532040				



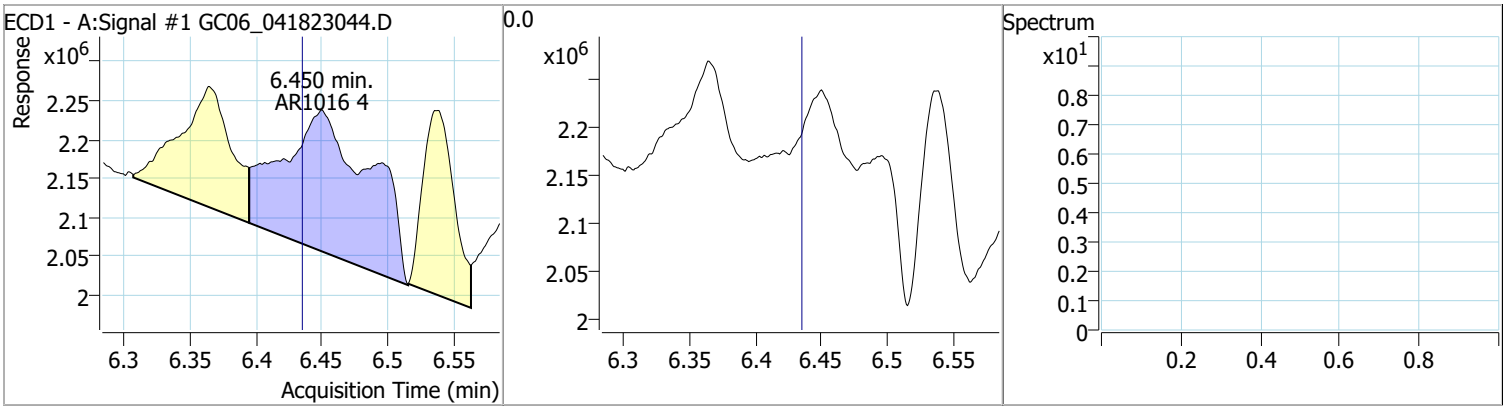
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.1596	6.25	-0.05	320599				



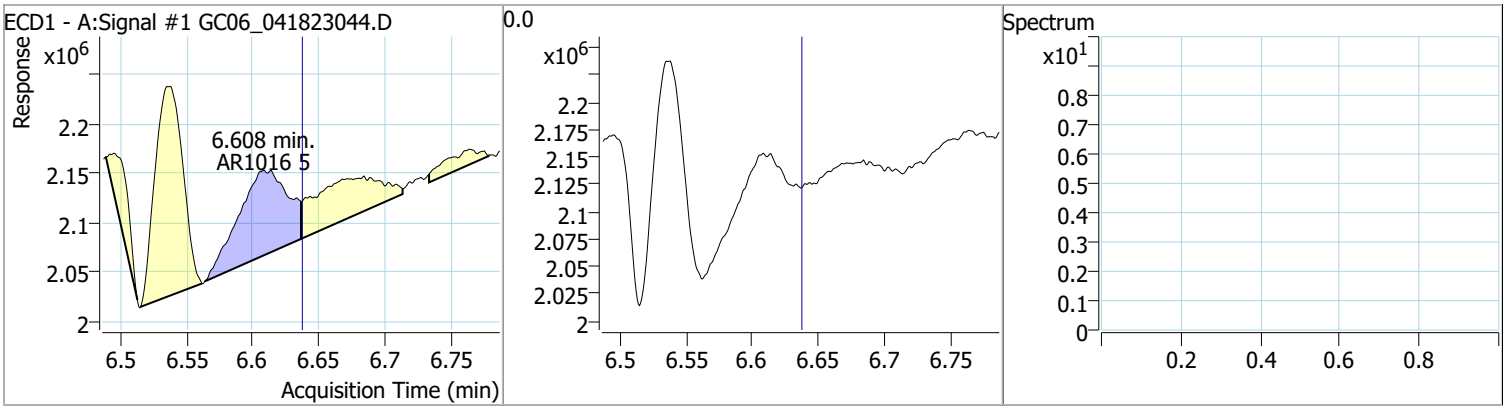
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	36.6616	6.39	0.00	588390				



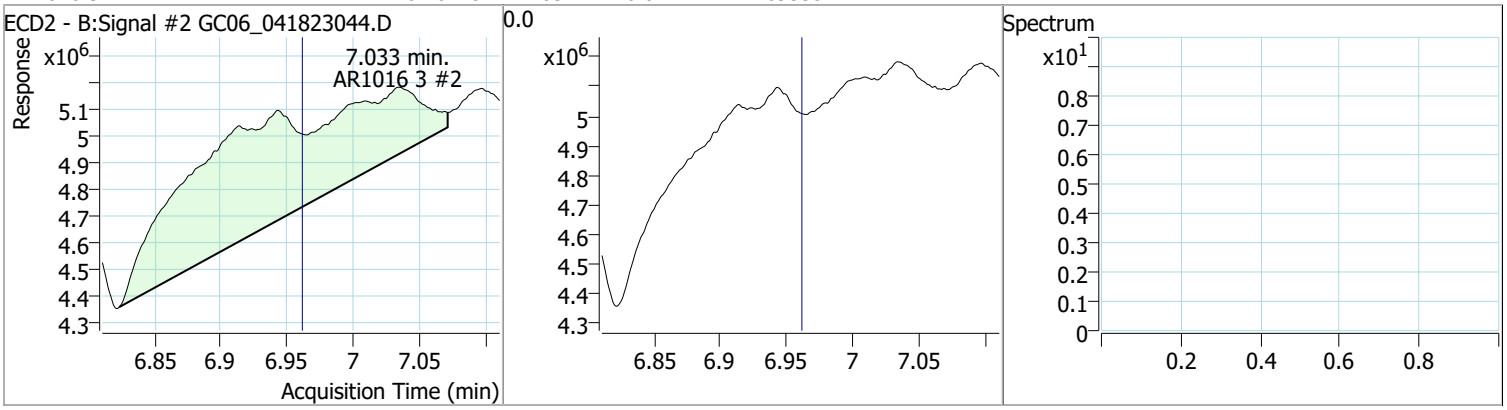
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	200.0354	6.45	0.01	854843				



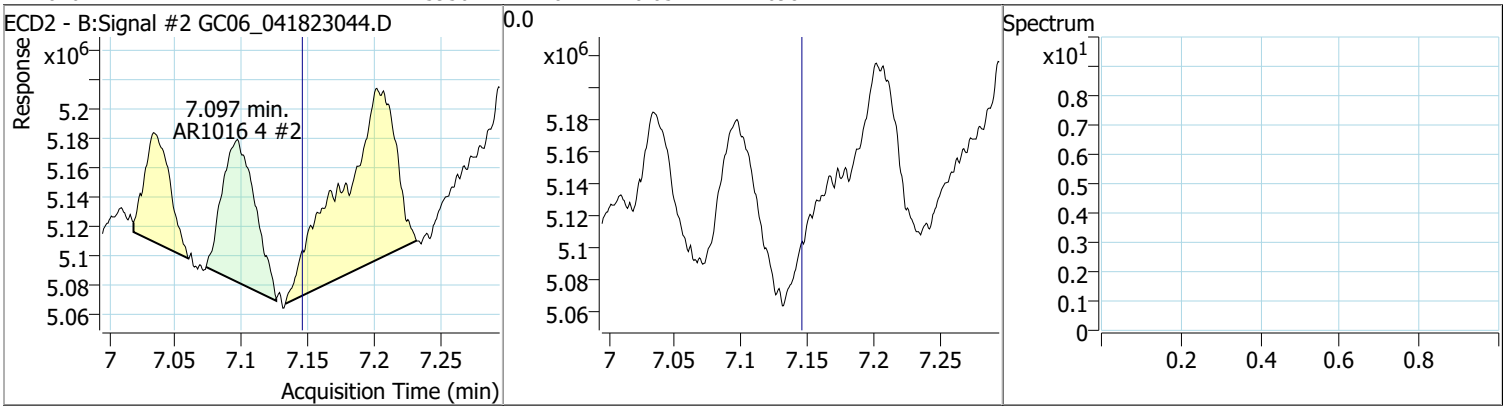
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	88.5520	6.61	-0.03	221945				



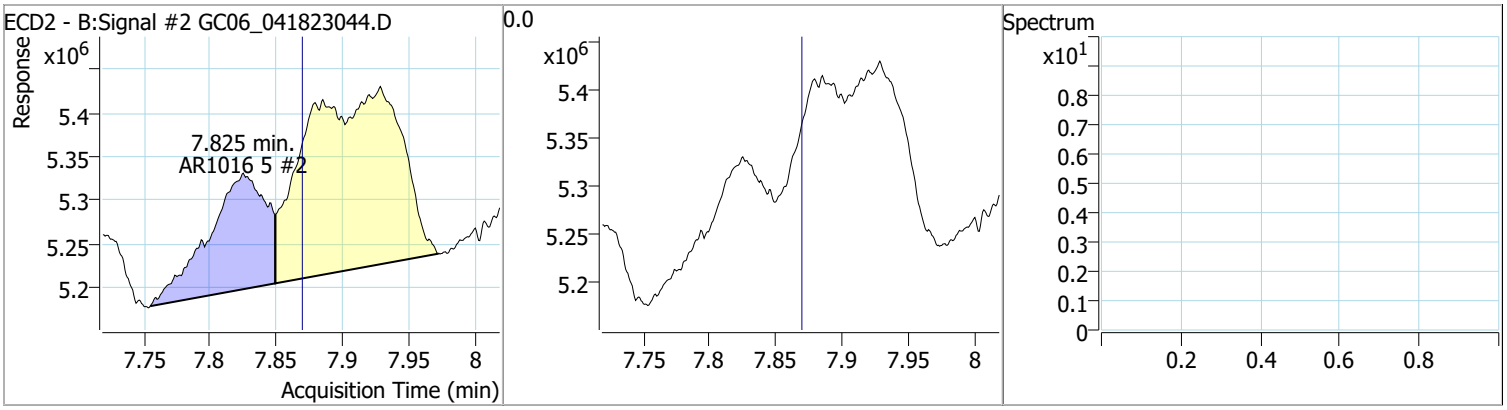
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	201.0125	7.03	0.07	4093351				



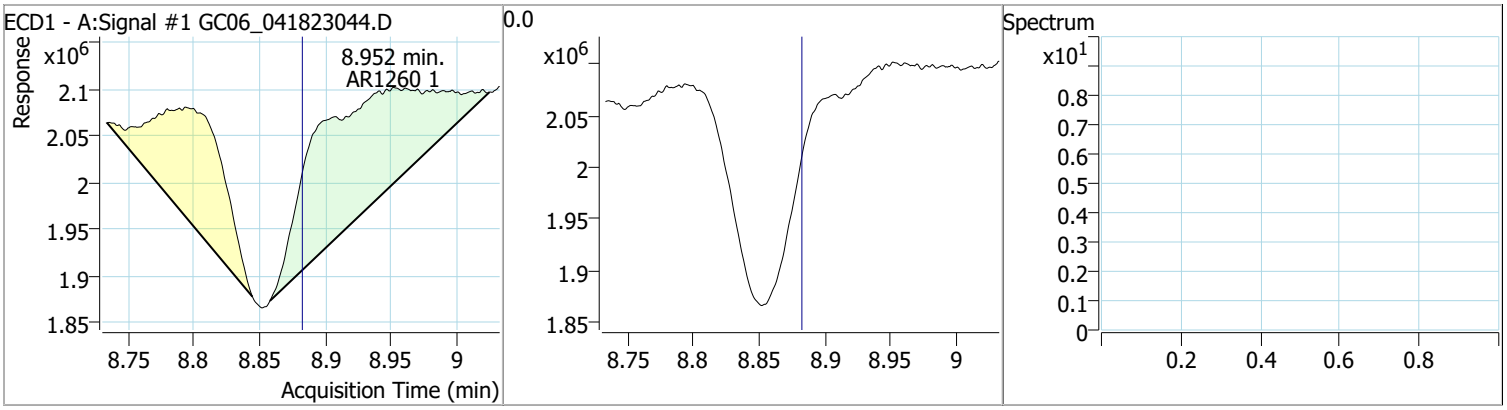
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.5956	7.10	-0.05	169872				



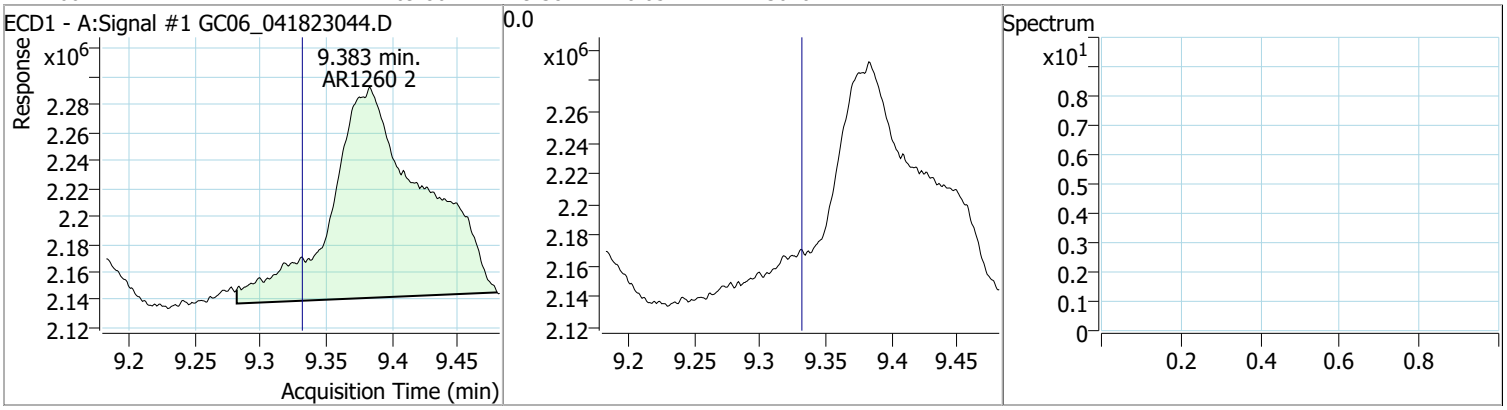
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	33.4401	7.83	-0.04	403406				



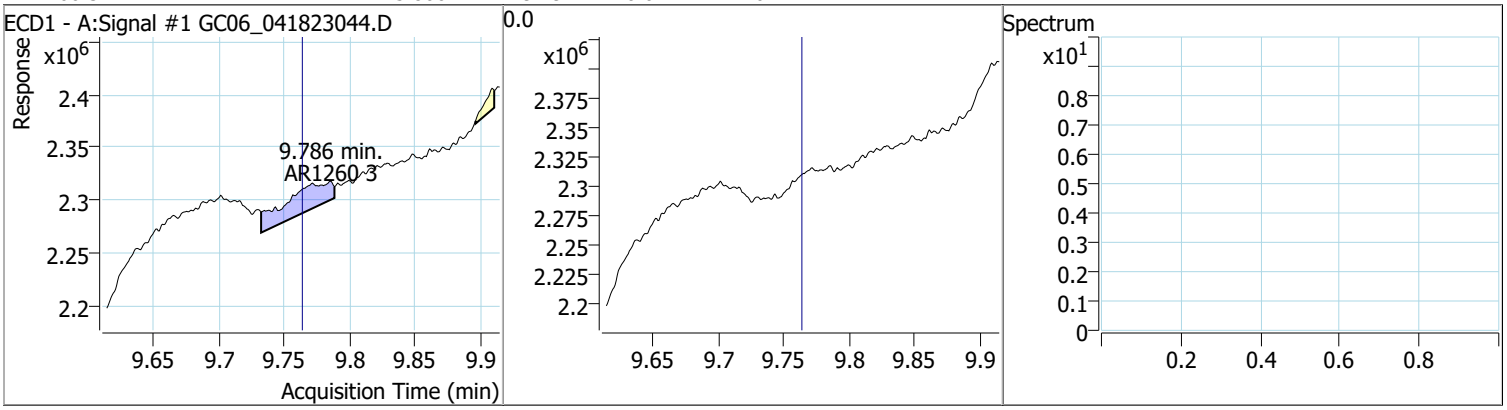
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	112.3331	8.95	0.07	783697				



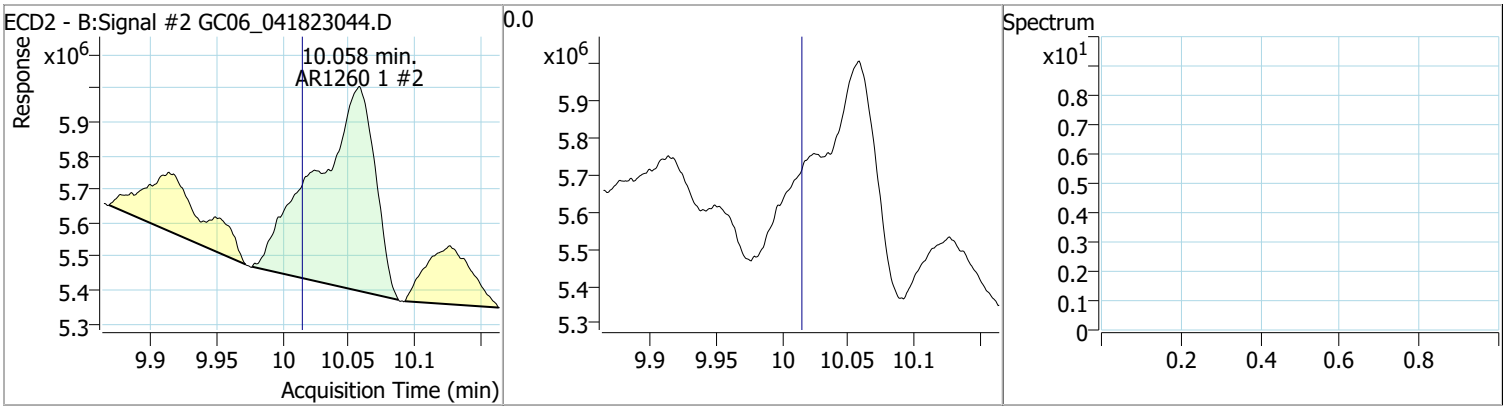
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	69.8677	9.38	0.05	736701				



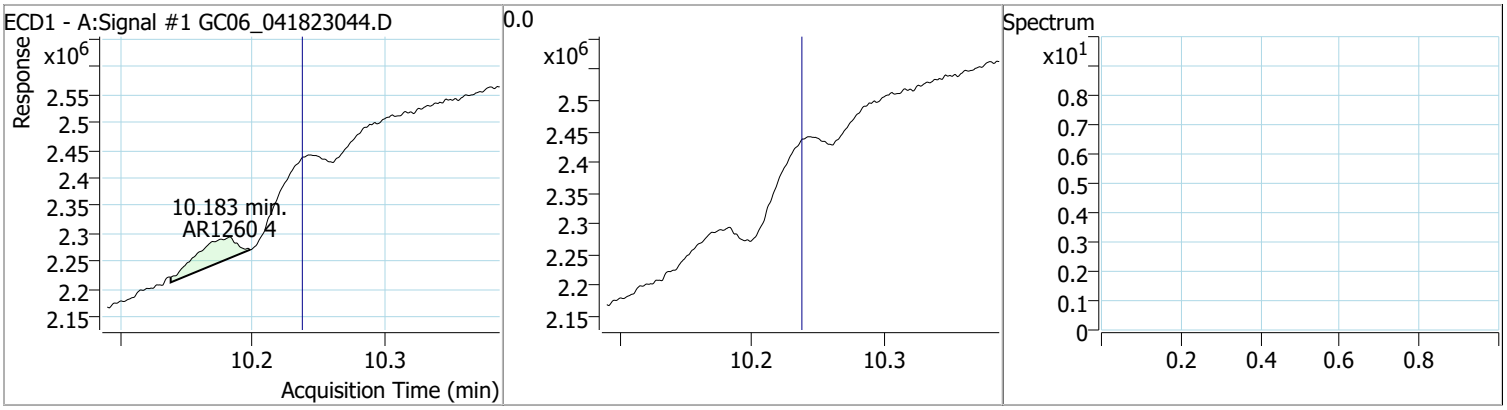
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.8007	9.79	0.02	61472				



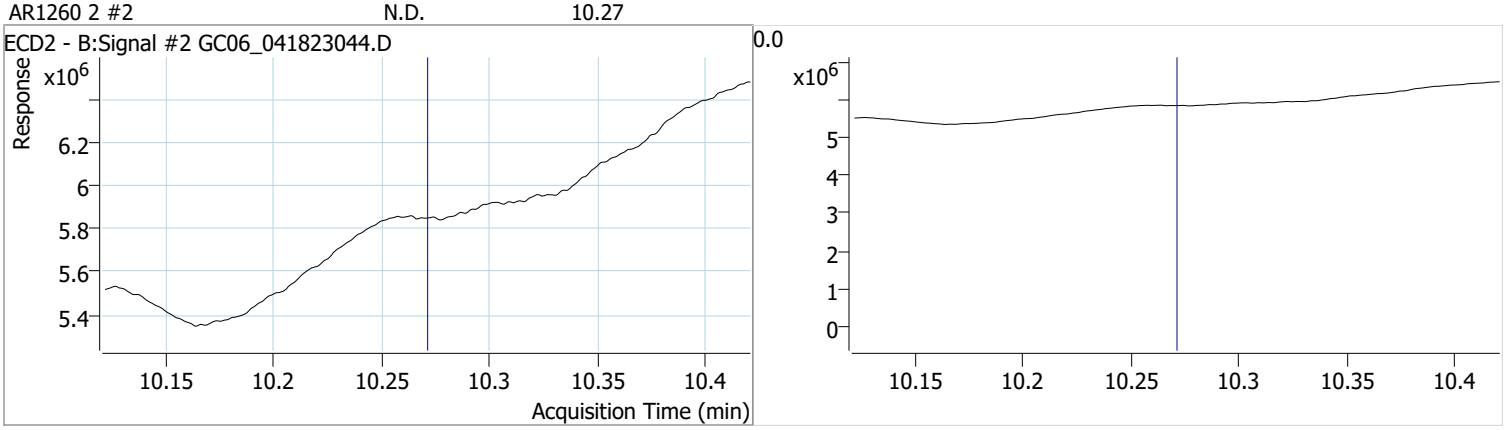
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	88.8586	10.06	0.04	1877034				



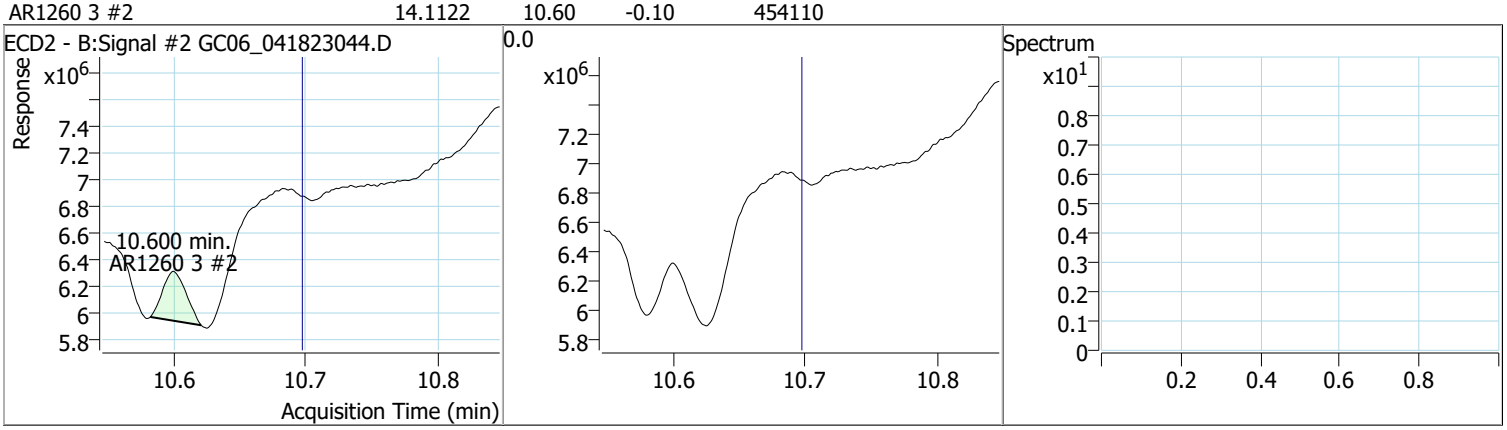
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	14.3229	10.18	-0.06	93942				



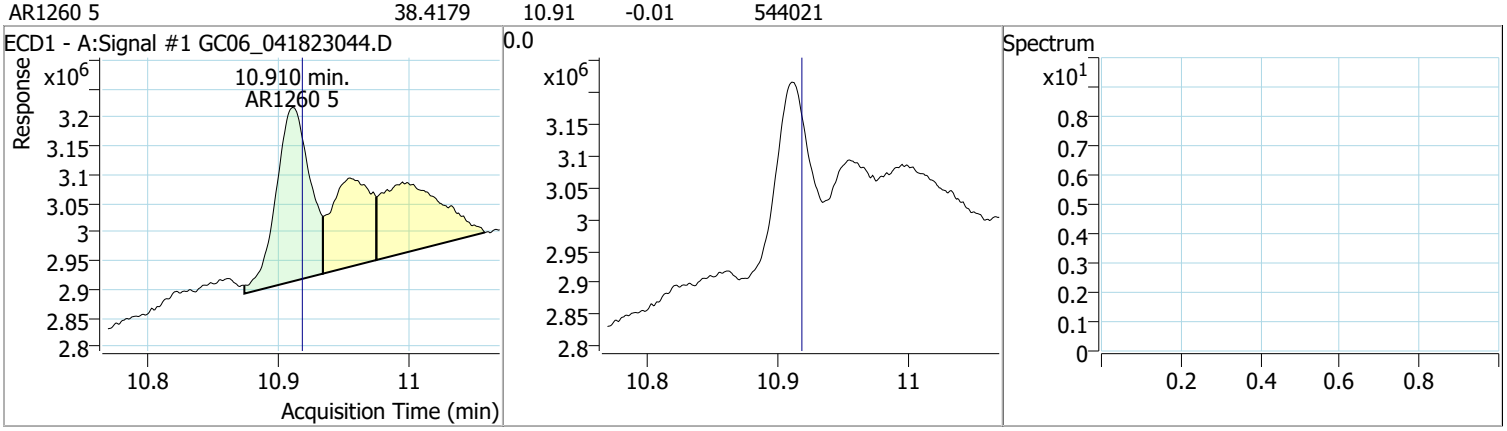
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2 #2	N.D.	10.27		



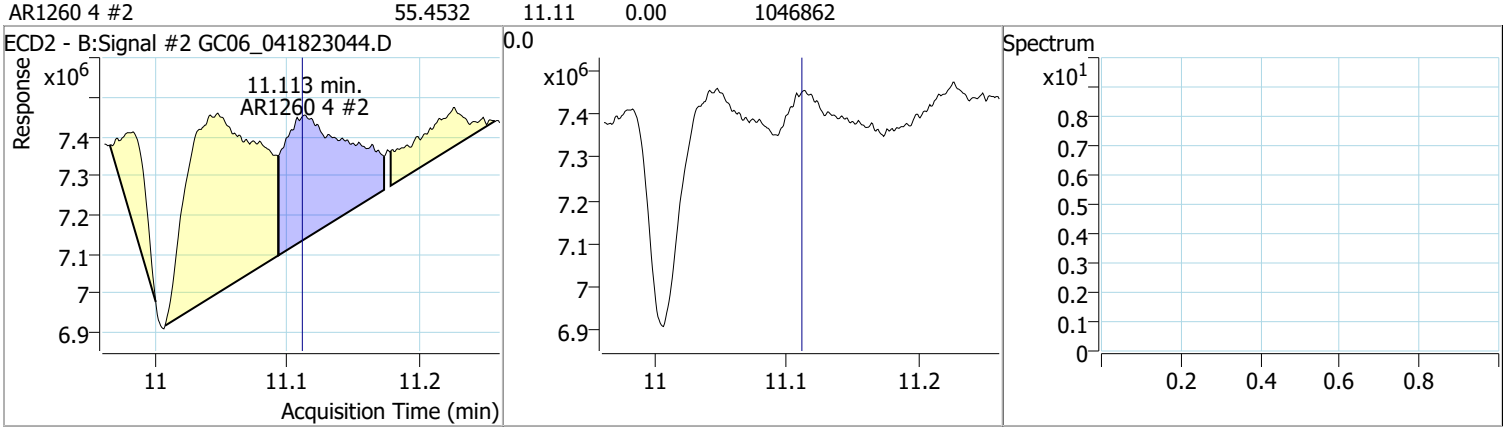
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.1122	10.60	-0.10	454110				



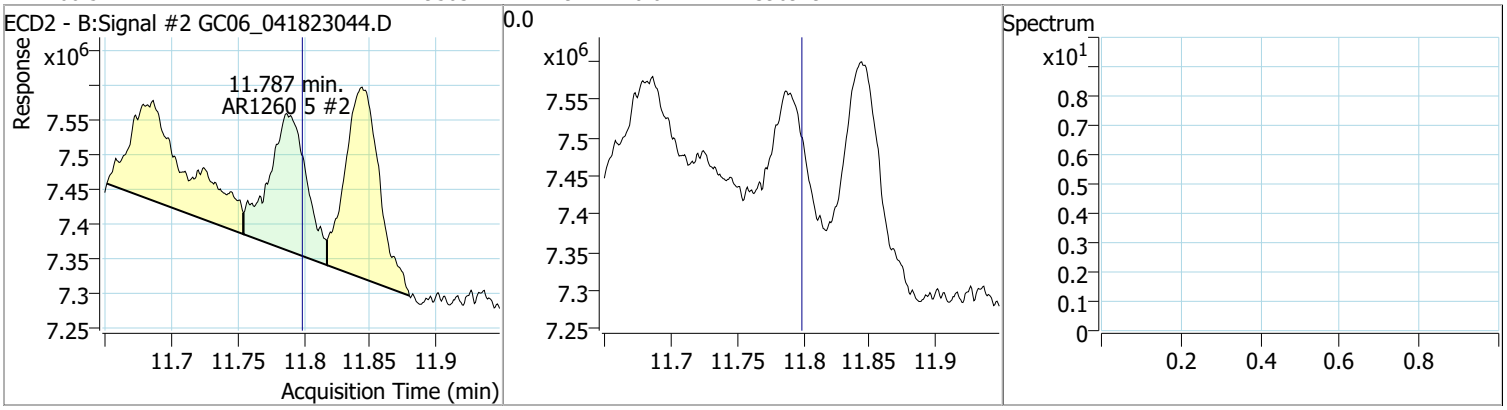
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	38.4179	10.91	-0.01	544021				



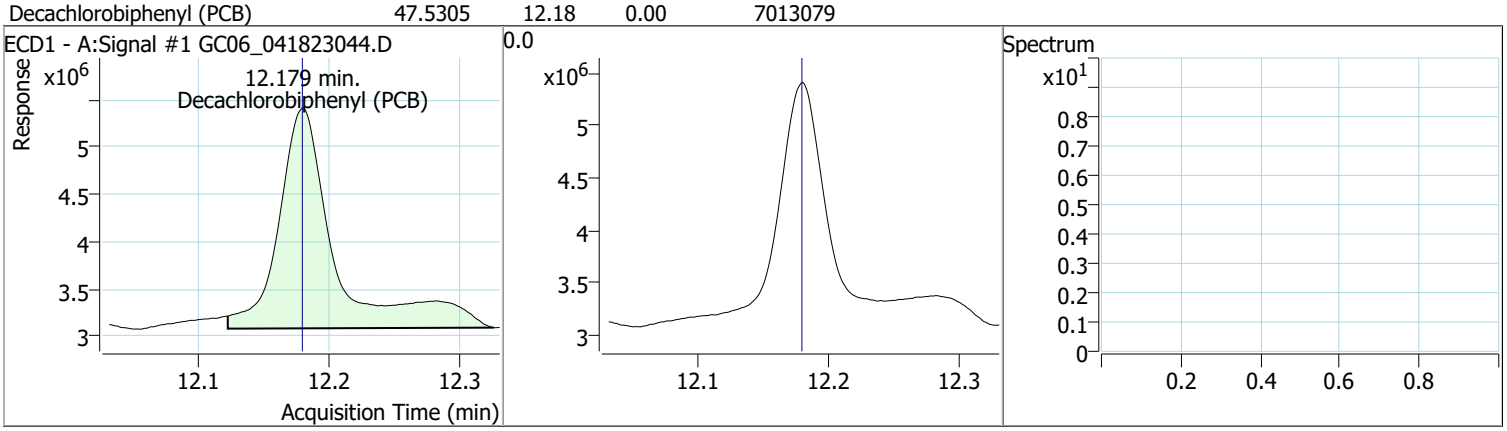
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	55.4532	11.11	0.00	1046862				



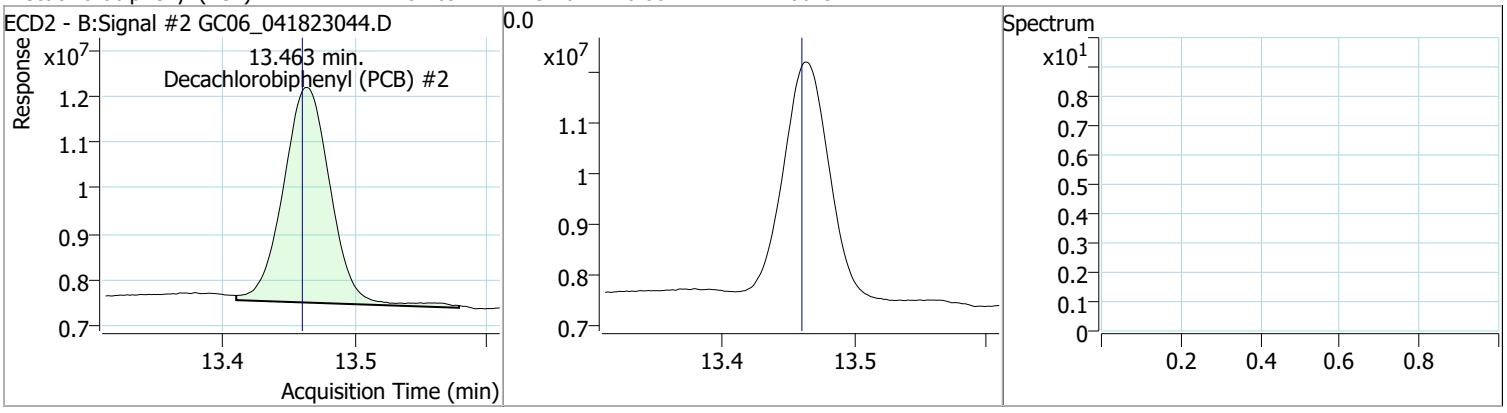
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.9503	11.79	-0.01	396929				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.5305	12.18	0.00	7013079				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.4094	13.46	0.00	11706292				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-008	Client ID:	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-P-WF
Seqnum:	453156076064	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823064	Batch:	312006	Time:	19-APR-2023 03:58
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	63.01	~~0.63~~ ~~FP~~	1.3	69%	0.50		x u
Aroclor-1016 Peak # 1	B	107.8	1.08	2.01	60%			
Aroclor-1016 Peak # 2	B	14.49	0.14	0.71	132%			
Aroclor-1016 Peak # 3	B	163.2	1.63	0.56	98%			
Aroclor-1016 Peak # 4	B	1.923	0.02	2.32	197%			
Aroclor-1016 Peak # 5	B	27.54	0.28	0.87	103%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	24.45	ND	ND	66%	0.50		u
Aroclor-1260 Peak # 1	B	15.09	0.15	0.45	100%			
Aroclor-1260 Peak # 2	B	6.821	0.07	0.06	13%			
Aroclor-1260 Peak # 3	B	10.15	0.10	0.02	128%			
Aroclor-1260 Peak # 4	B	84.55	0.85	0.01	196%			
Aroclor-1260 Peak # 5	B	5.614	0.06	0.07	28%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.47	0.5000	0.3047	61	19-121	u
Decachlorobiphenyl (PCB)	B	22.43	0.5000	0.2243	45	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7590273	-35.66
1-bromo-2-nitrobenzene (PCB)	A	3171036	2039010	-35.70

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

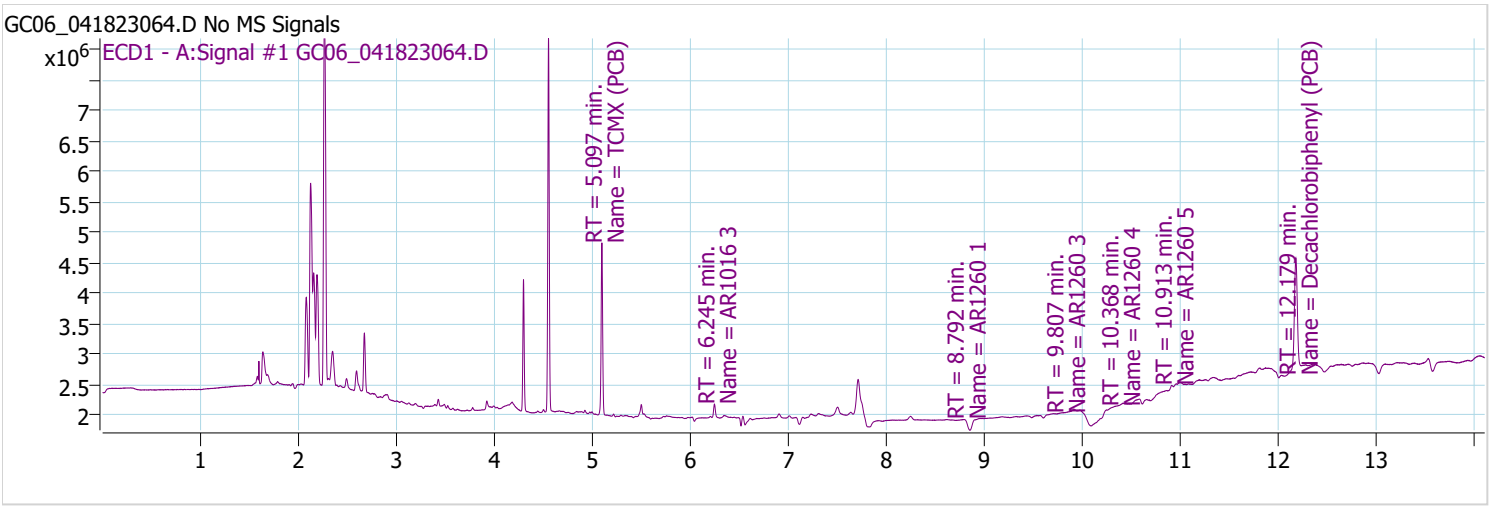
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

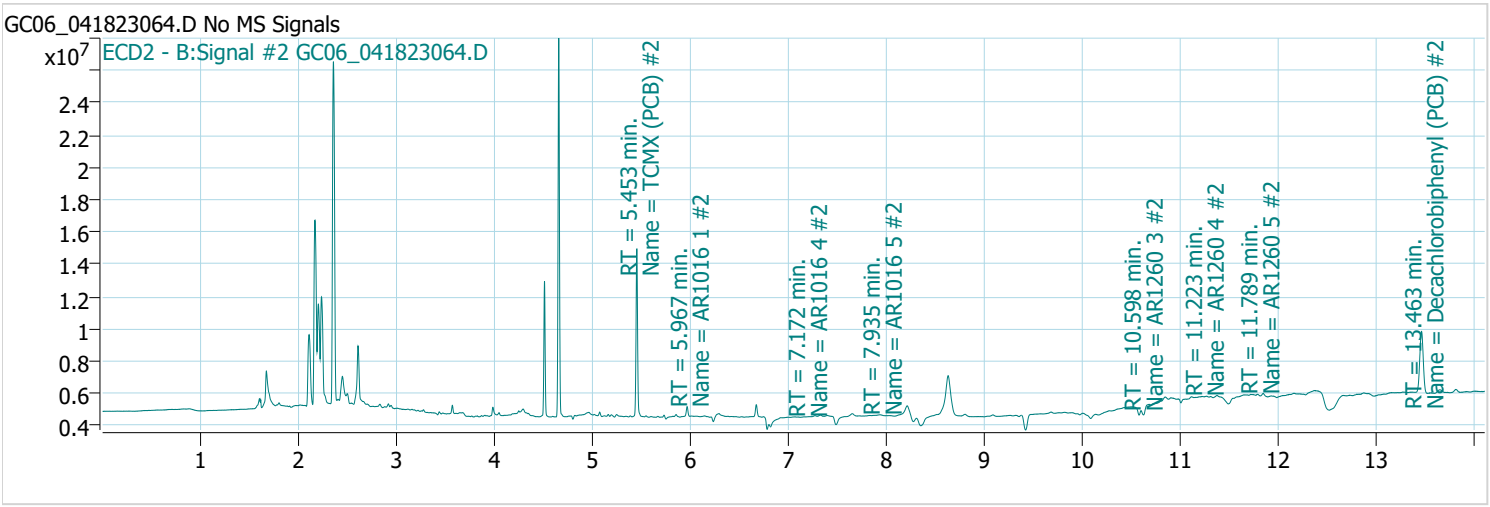
u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823064.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 3:58:40 AM
Sample Name	483449-008, 312006, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



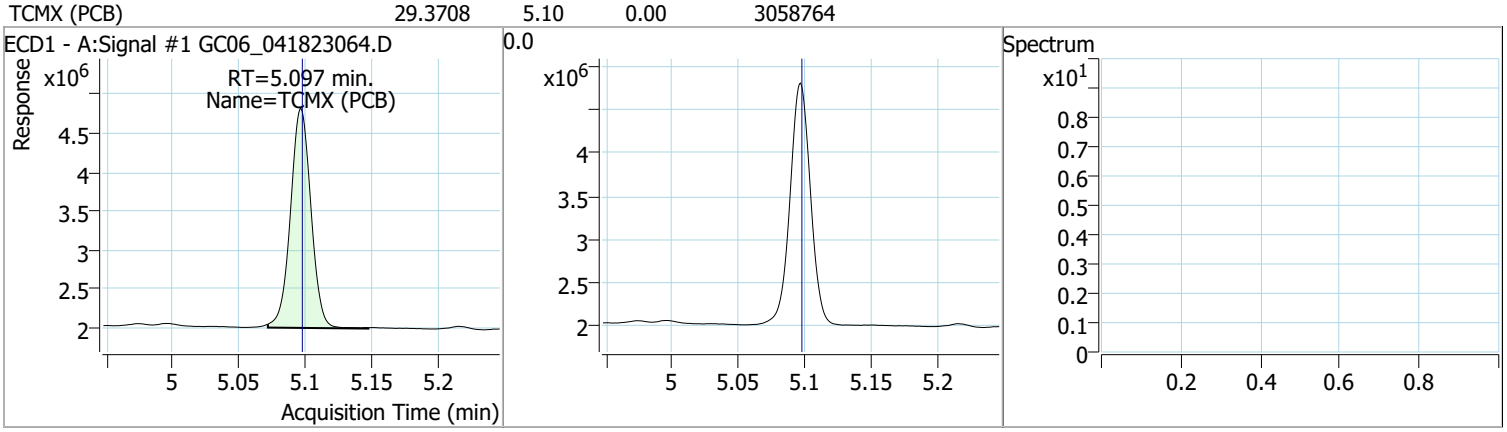


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.297	0.0	2039009.571	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.511	0.0	7590273.034	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.097	0.0	3058763.720	29.3708	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.85%			
S TCMX (PCB) #2	5.453	0.0	11452402.728	30.4703	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.35%		*	
S Decachlorobiphenyl (PCB)	12.179	0.0	4017773.293	27.9623	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.81%			
S Decachlorobiphenyl (PCB) #2	13.463	0.0	9475217.393	22.4307	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 112.15%			
Target Compounds							QValue

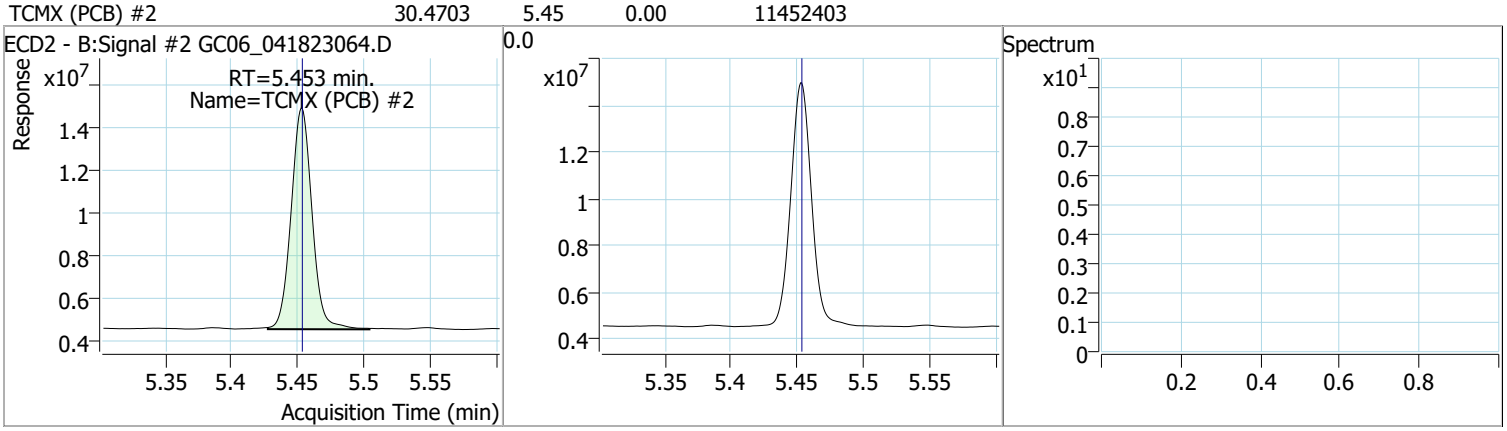
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.498	0.0	425899.480	200.8330	ng/ml	100
T AR1016 2	5.757	0.0	324328.357	71.2824	ng/ml	100
T AR1016 1 #2	5.967	0.0	841394.960	107.8447	ng/ml	100
T AR1016 3	6.245	0.0	315750.253	55.7862	ng/ml	100
T AR1016 2 #2	6.382	0.0	238336.858	14.4859	ng/ml	100
T AR1016 4	6.349	0.0	967450.135	232.4734	ng/ml	100
T AR1016 5	6.609	0.0	211145.037	86.5082	ng/ml	100
T AR1016 3 #2	7.068	0.0	3407820.286	163.2416	ng/ml	100
T AR1016 4 #2	7.172	0.0	28873.185	1.9225	ng/ml	100
T AR1016 5 #2	7.935	0.0	340536.603	27.5359	ng/ml	100
T AR1260 1	8.792	0.0	306436.472	45.1049	ng/ml	100
T AR1260 2	9.328	0.0	61688.068	6.0077	ng/ml	100
T AR1260 3	9.807	0.0	22813.015	2.2106	ng/ml	100
T AR1260 1 #2	10.135	0.0	326797.745	15.0909	ng/ml	100
T AR1260 4	10.368	0.0	4881.968	0.7643	ng/ml	100
T AR1260 2 #2	10.275	0.0	182744.909	6.8212	ng/ml	100
T AR1260 3 #2	10.598	0.0	334815.210	10.1496	ng/ml	100
T AR1260 5	10.913	0.0	102175.779	7.4095	ng/ml	100
T AR1260 4 #2	11.223	0.0	1636393.136	84.5541	ng/ml	100
T AR1260 5 #2	11.789	0.0	176389.549	5.6137	ng/ml	100

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

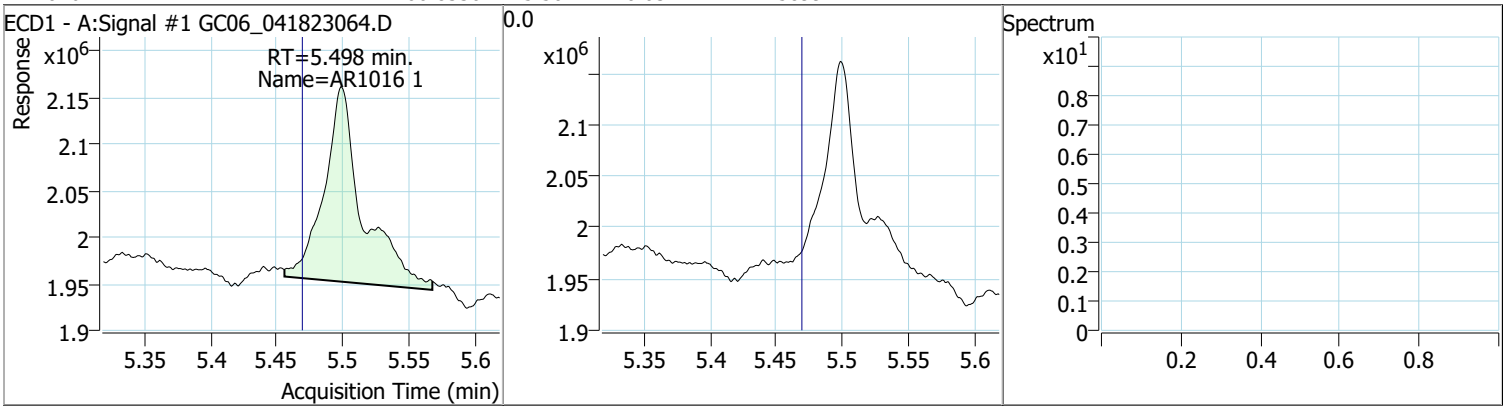
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.3708	5.10	0.00	3058764				



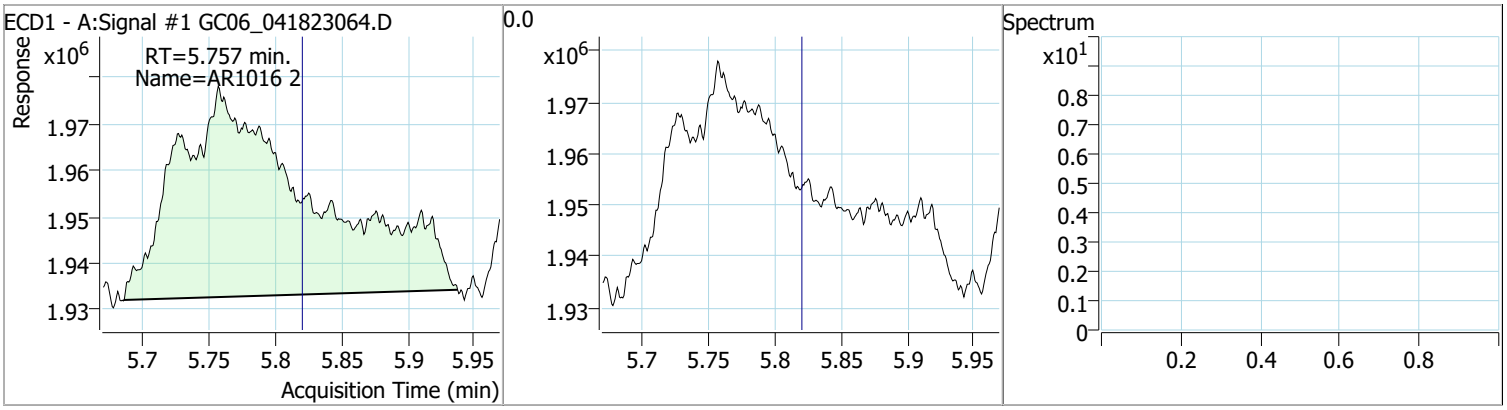
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.4703	5.45	0.00	11452403				



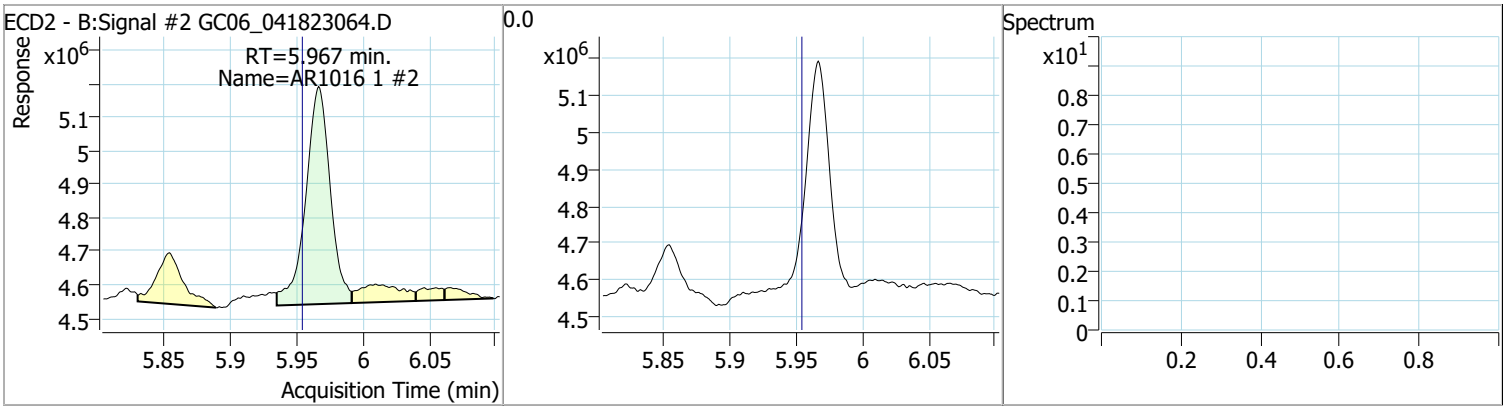
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	200.8330	5.50	0.03	425899				



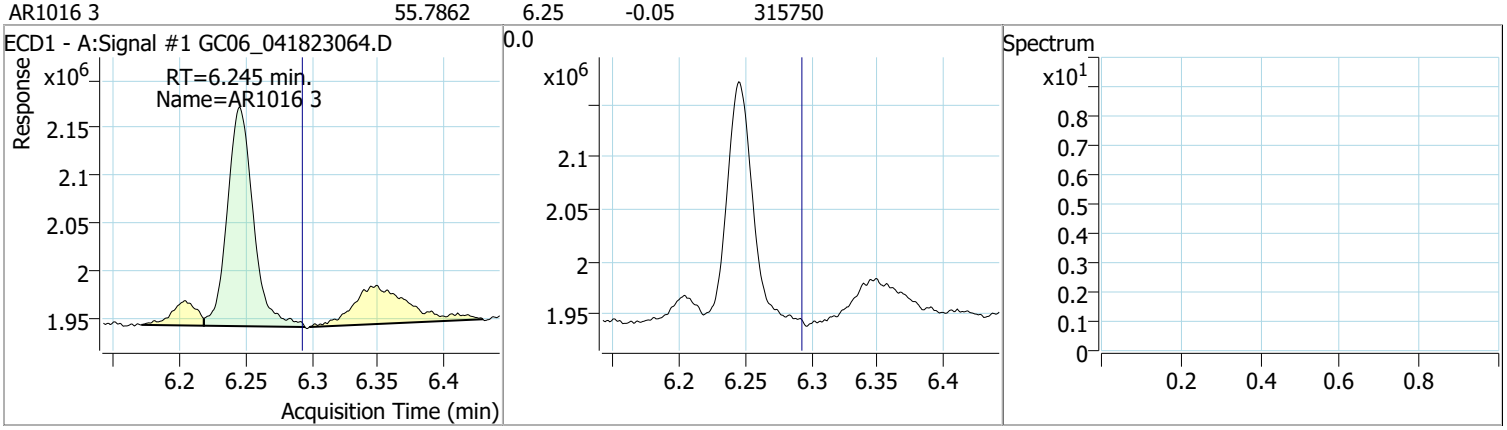
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	71.2824	5.76	-0.06	324328				



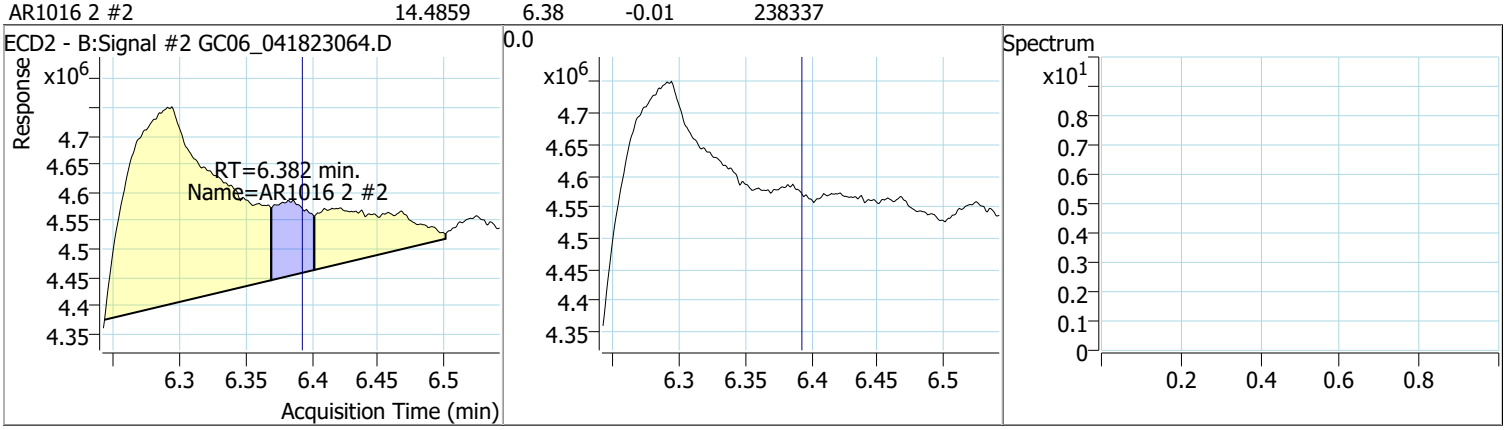
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	107.8447	5.97	0.01	841395				



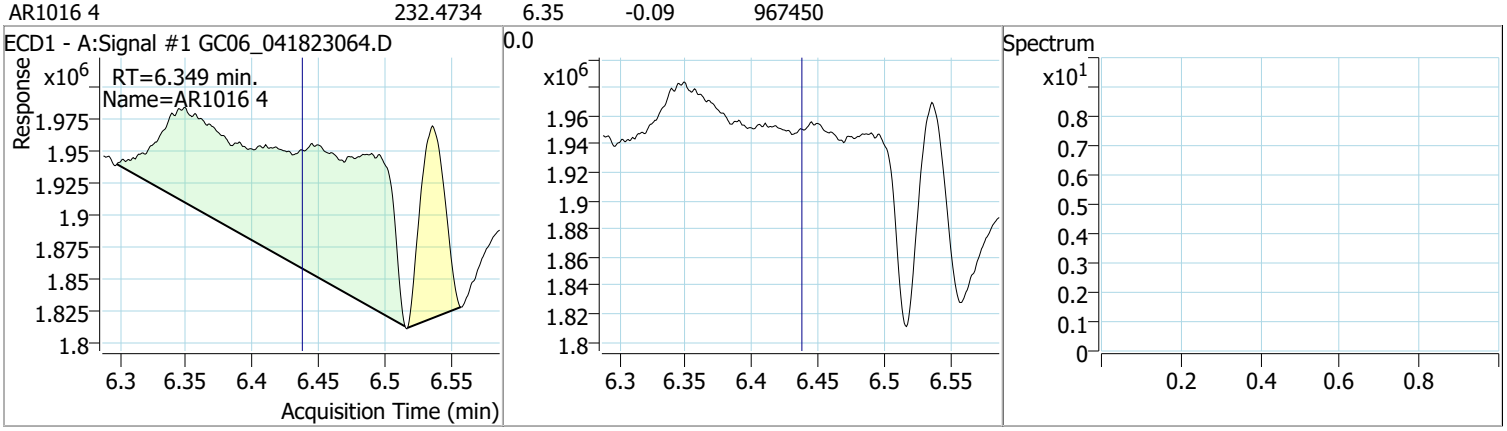
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.7862	6.25	-0.05	315750				



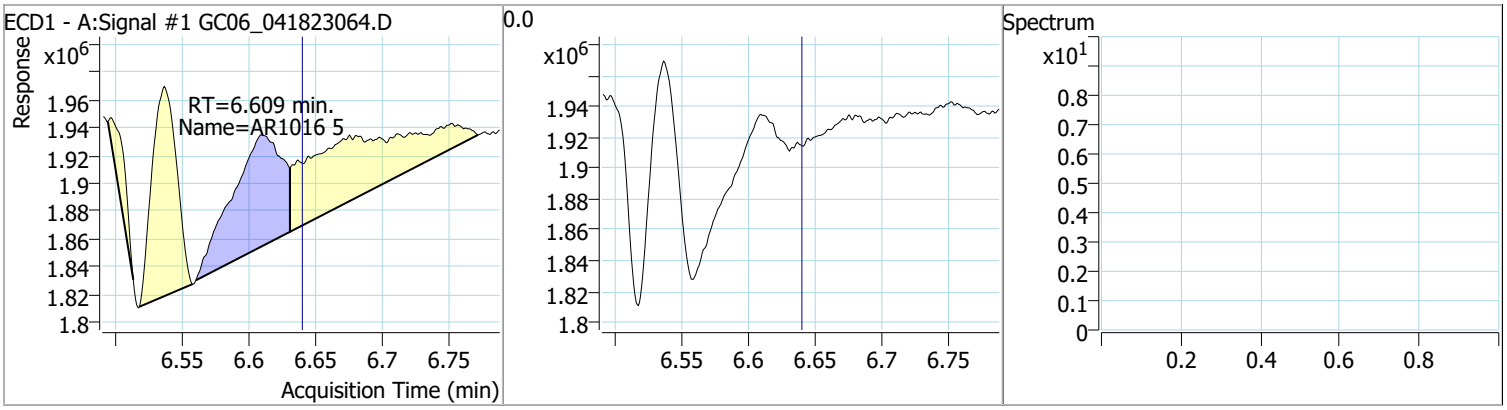
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	14.4859	6.38	-0.01	238337				



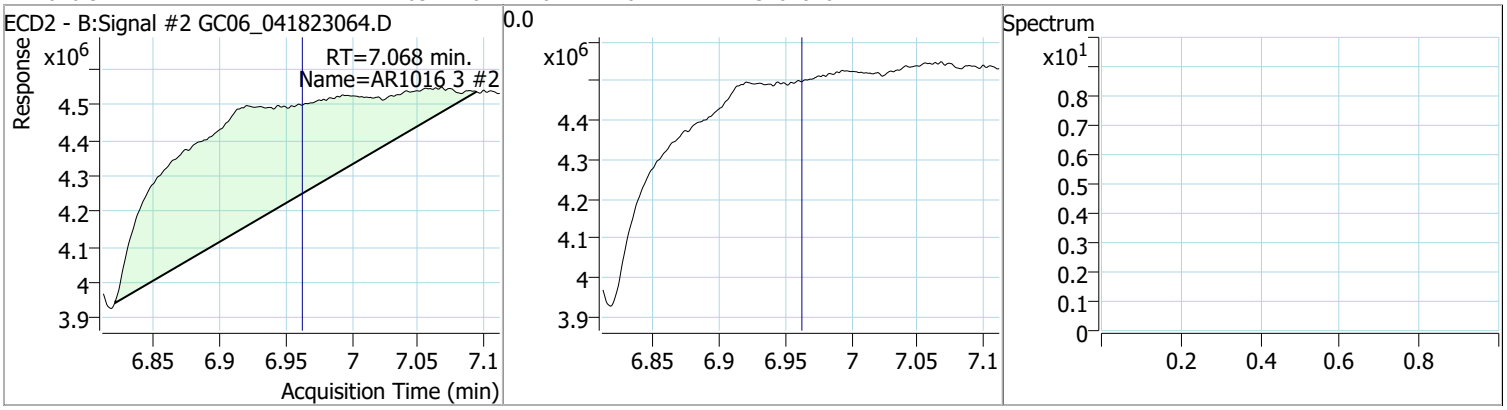
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	232.4734	6.35	-0.09	967450				



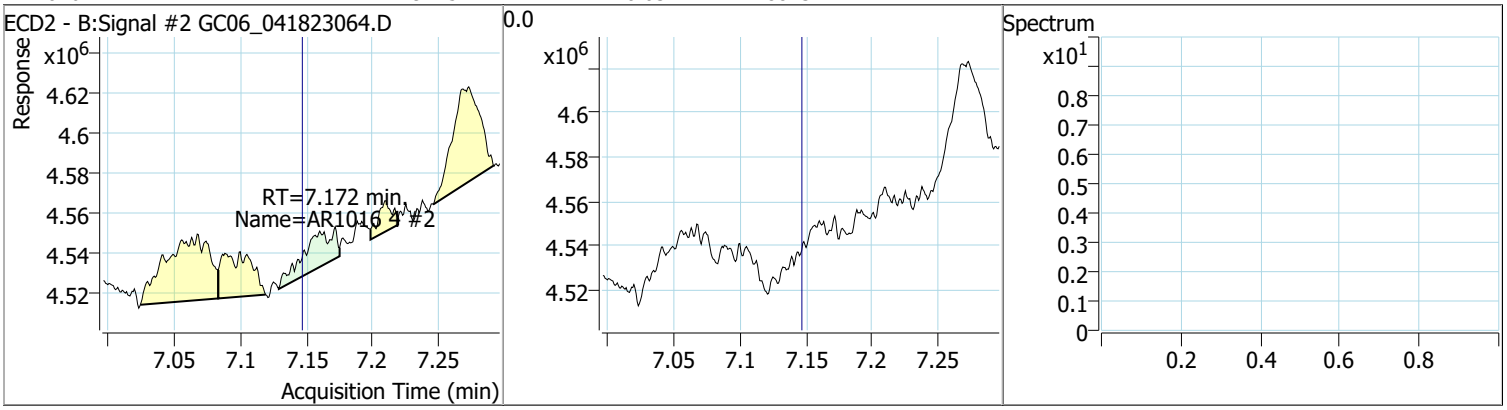
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	86.5082	6.61	-0.03	211145				



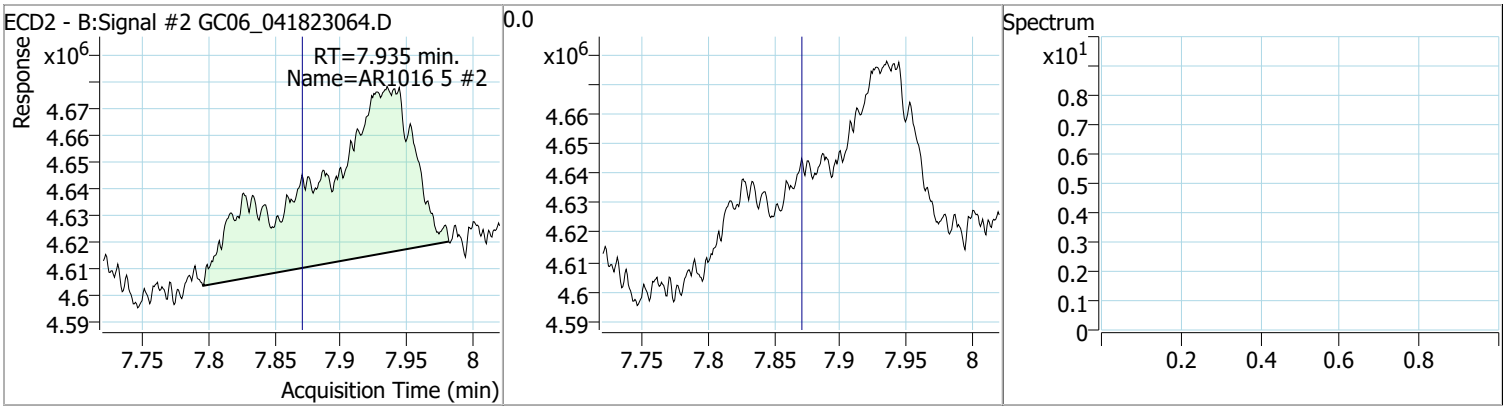
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	163.2416	7.07	0.11	3407820				



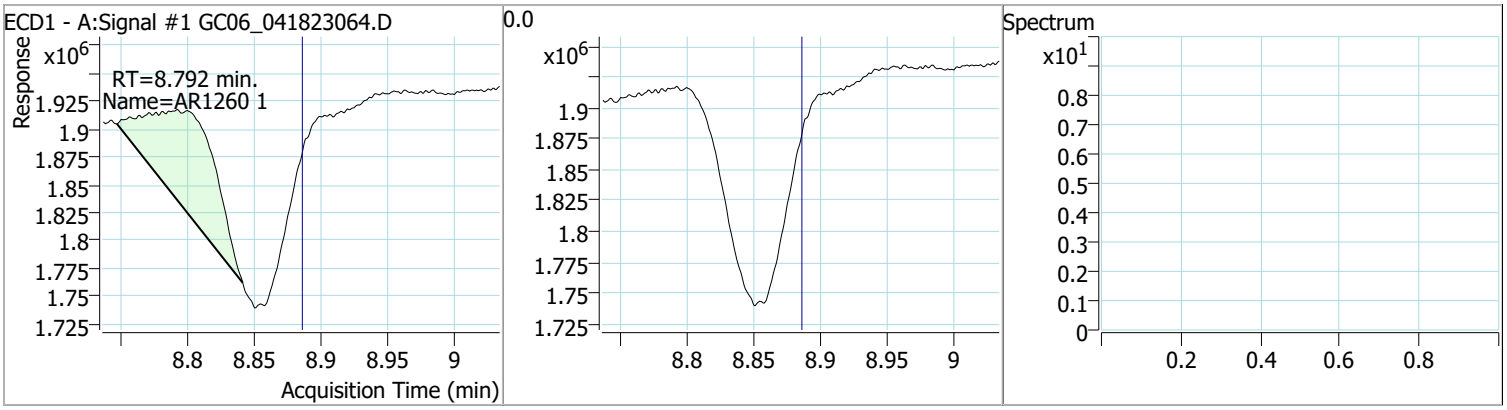
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9225	7.17	0.03	28873				



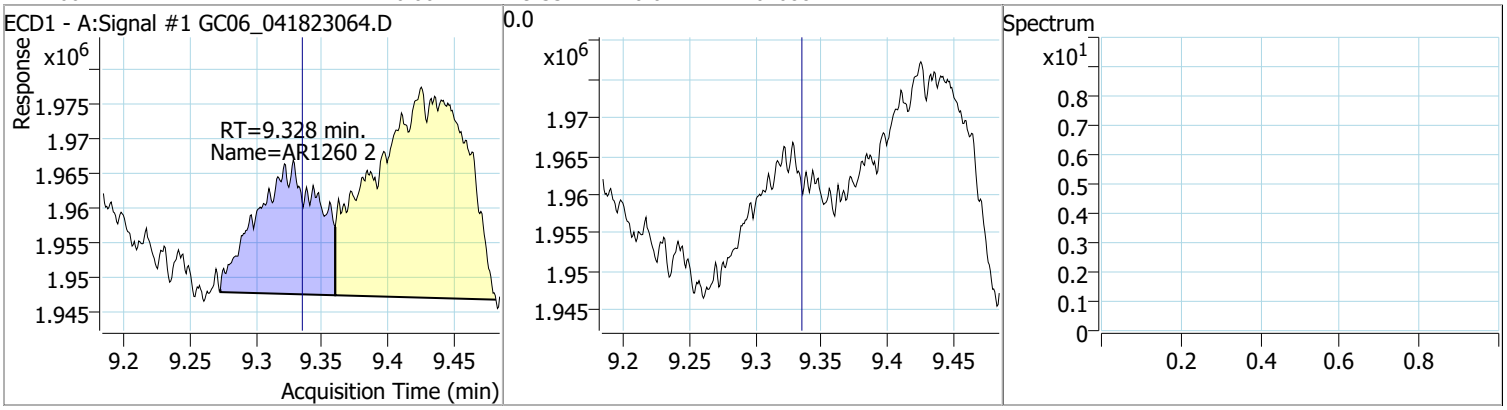
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	27.5359	7.94	0.07	340537				



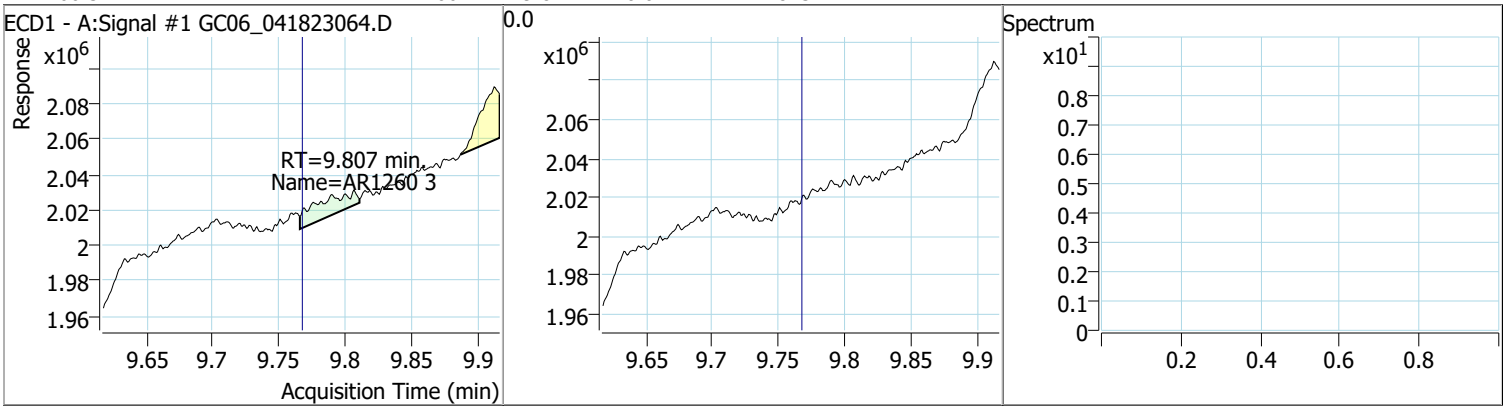
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	45.1049	8.79	-0.09	306436				



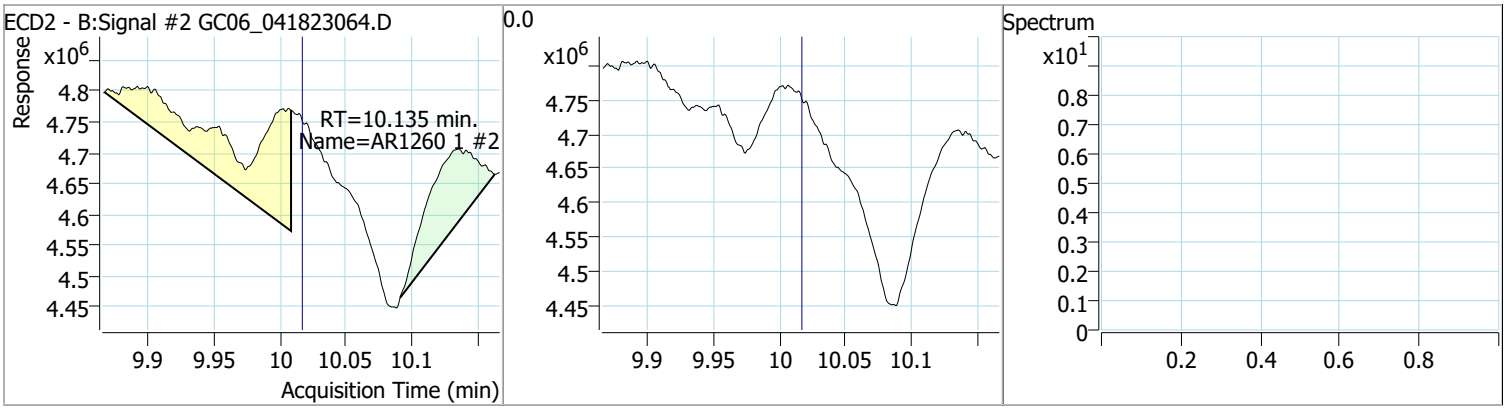
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.0077	9.33	-0.01	61688				



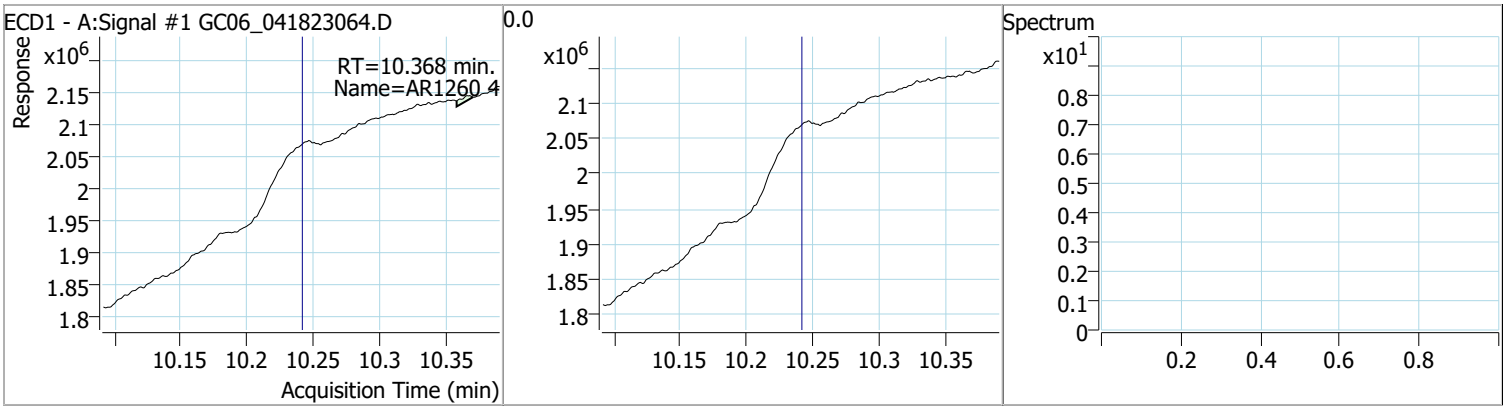
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.2106	9.81	0.04	22813				



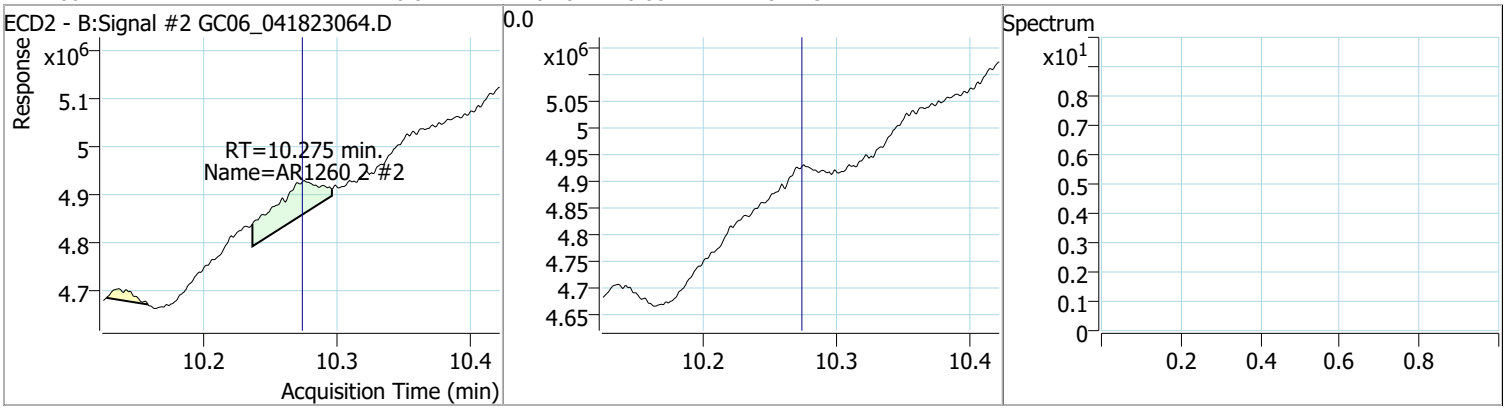
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	15.0909	10.14	0.12	326798				



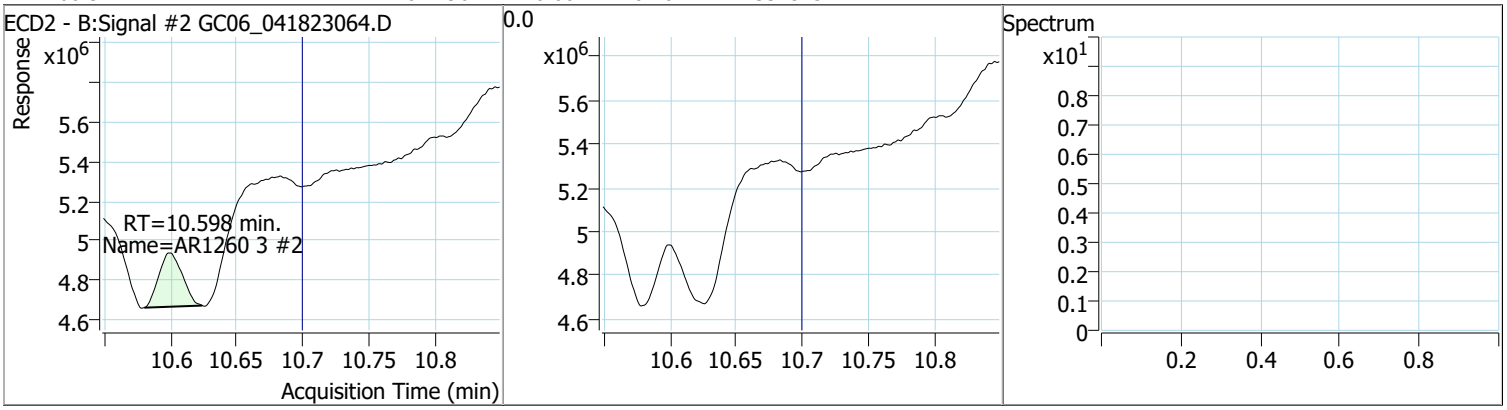
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.7643	10.37	0.13	4882				



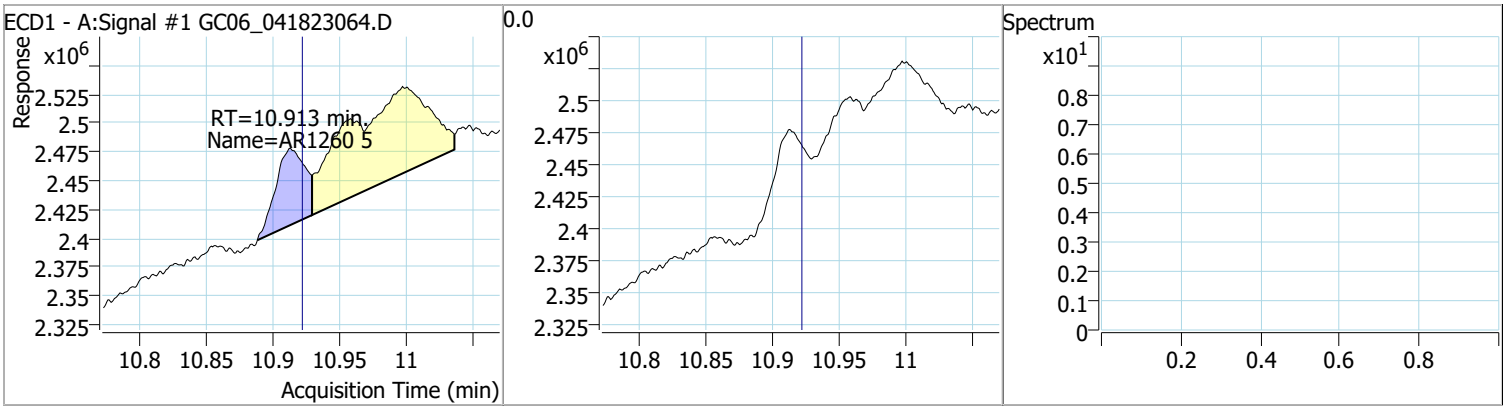
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.8212	10.28	0.00	182745				



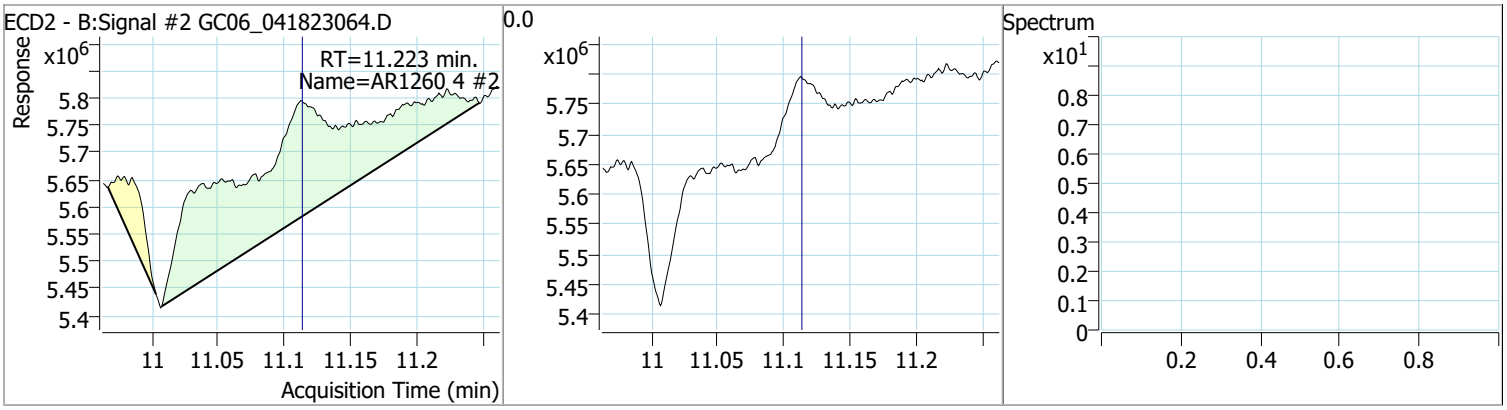
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.1496	10.60	-0.10	334815				



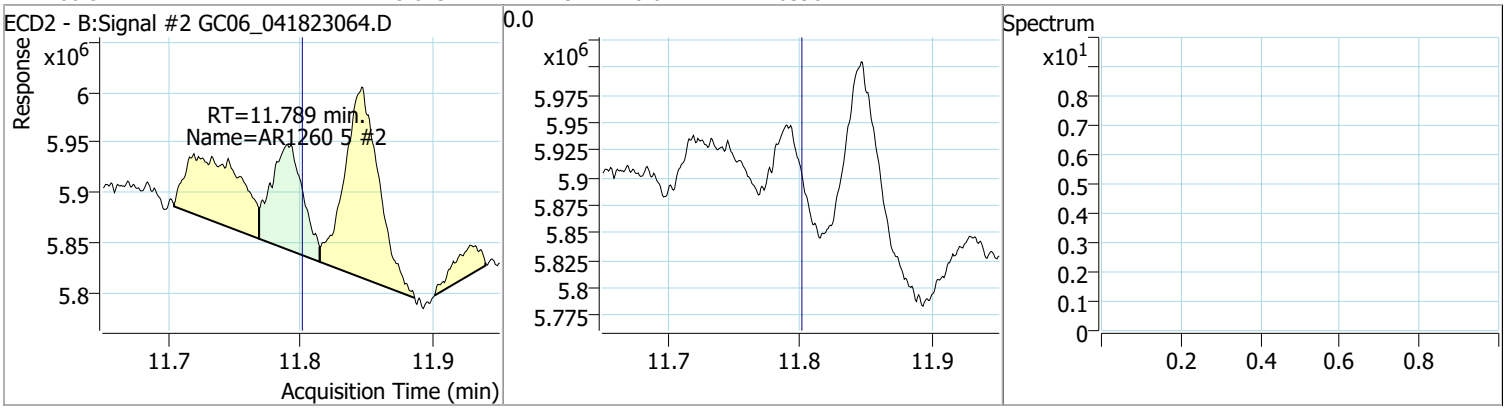
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.4095	10.91	-0.01	102176				



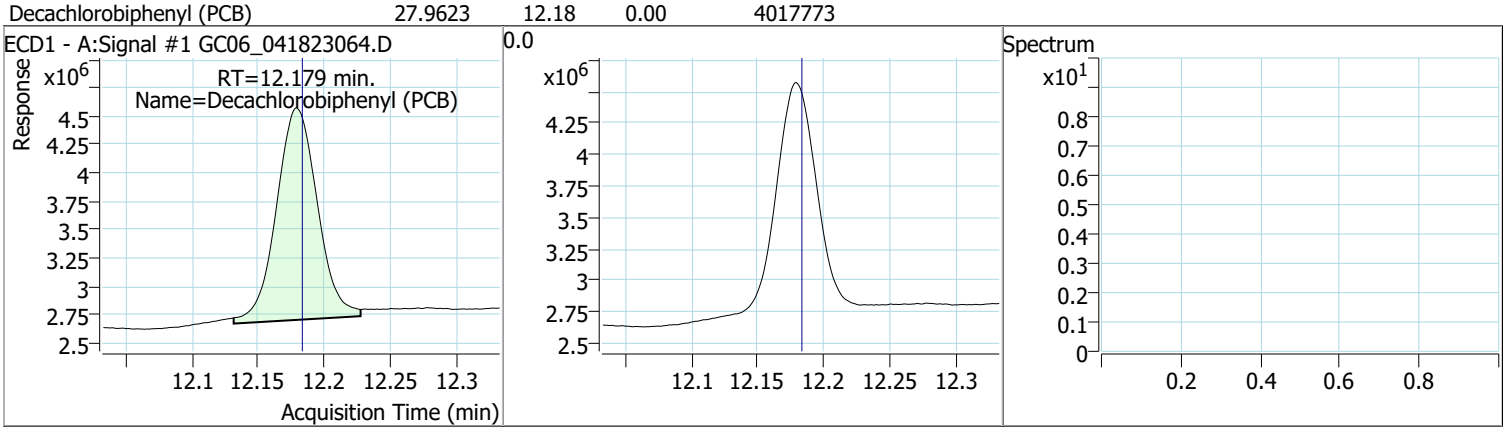
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	84.5541	11.22	0.11	1636393				



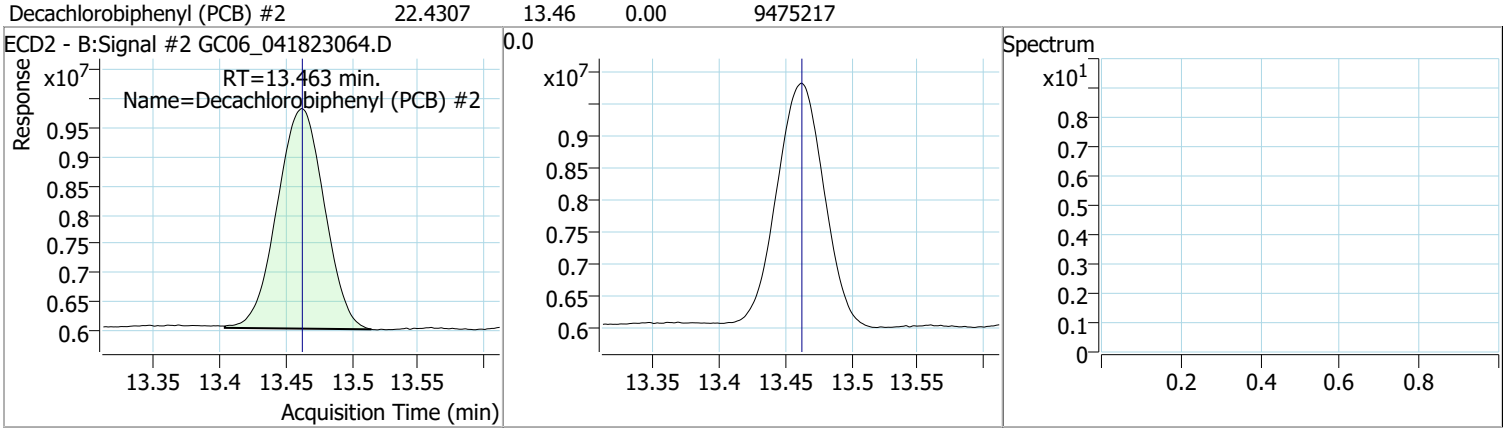
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	5.6137	11.79	-0.01	176390				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.9623	12.18	0.00	4017773				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.4307	13.46	0.00	9475217				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-011	Client ID:	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA
Seqnum:	453156076065	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823065	Batch:	312006	Time:	19-APR-2023 04:17
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	61.28	~~0.61~~ FP	1.1	61%	0.50		x u
Aroclor-1016 Peak # 1	B	104.1	1.04	1.53	38%			
Aroclor-1016 Peak # 2	B	18.40	0.18	0.51	93%			
Aroclor-1016 Peak # 3	B	175.0	1.75	2.58	38%			
Aroclor-1016 Peak # 4	B	1.528	0.02	0.08	136%			
Aroclor-1016 Peak # 5	B	7.314	0.07	1.03	173%			
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	75.30	~~0.75~~ FP	0.16	131%	0.50		x u
Aroclor-1260 Peak # 1	B	32.30	0.32	0.52	46%			
Aroclor-1260 Peak # 2	B	0.8006	0.01	0.07	160%			
Aroclor-1260 Peak # 3	B	324.9	3.25	0.03	196%			
Aroclor-1260 Peak # 4	B	11.26	0.11	0.01	158%			
Aroclor-1260 Peak # 5	B	7.208	0.07	0.15	68%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.47	0.5000	0.2847	57	19-121	u
Decachlorobiphenyl (PCB)	B	20.81	0.5000	0.2081	42	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7981661	-32.34
1-bromo-2-nitrobenzene (PCB)	A	3171036	2117673	-33.22

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

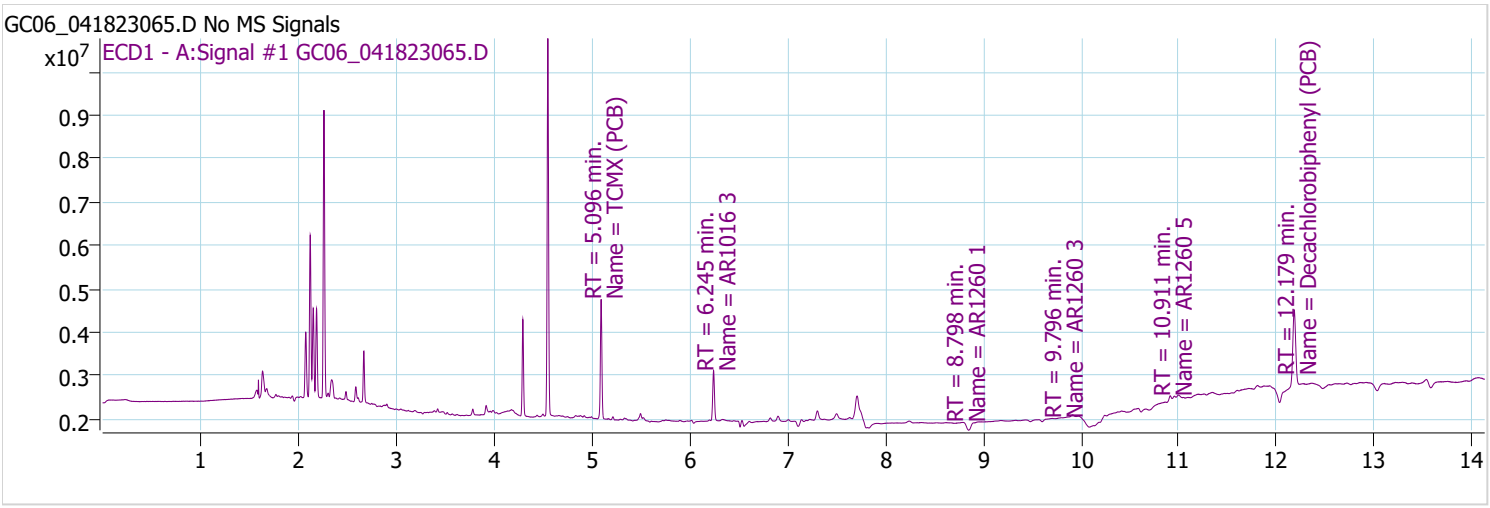
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

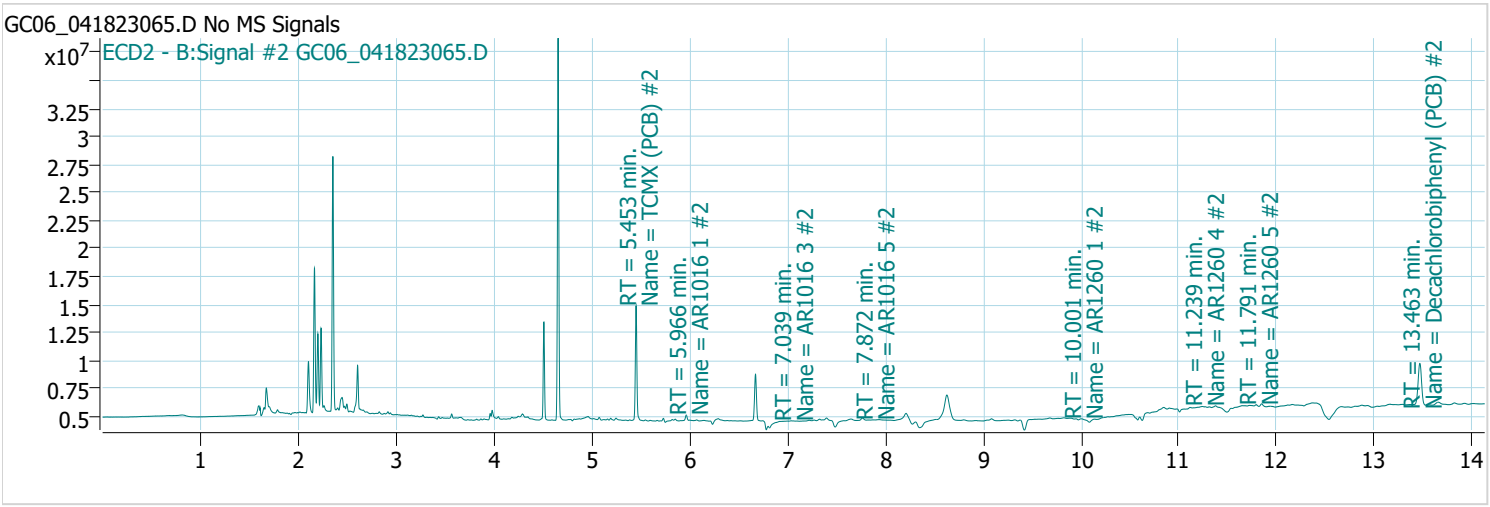
u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823065.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 4:17:02 AM
Sample Name	483449-011, 312006, 1	Instrument	SVOA-GC06
Vial	35	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



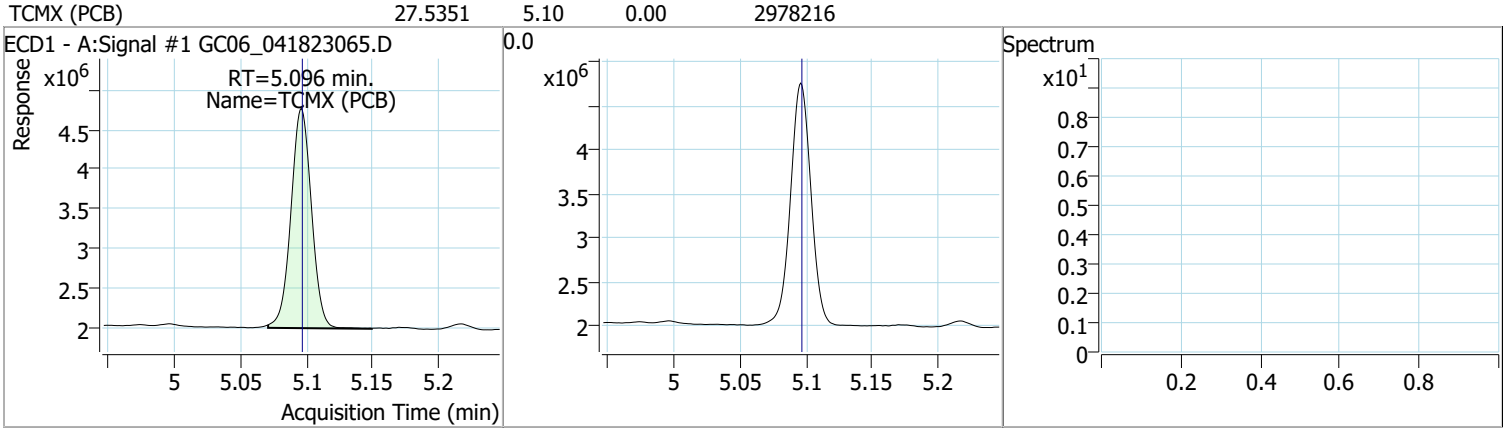


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	2117672.712	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.511	0.0	7981660.991	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	2978216.427	27.5351	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.68%			
S TCMX (PCB) #2	5.453	0.0	11253305.803	28.4724	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.36%			
S Decachlorobiphenyl (PCB)	12.179	0.0	4983169.122	33.3929	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.96%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	9243350.065	20.8088	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.04%			
Target Compounds							QValue

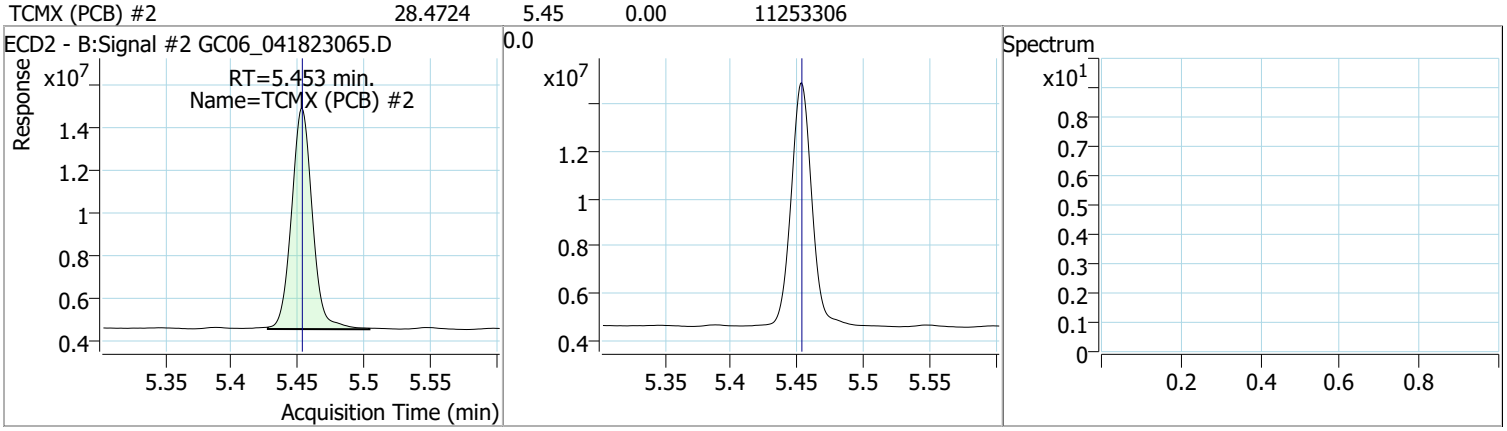
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.498	0.0	338078.045	153.4989	ng/ml	100
T AR1016 2	5.761	0.0	239471.736	50.6772	ng/ml	100
T AR1016 1 #2	5.966	0.0	854026.695	104.0961	ng/ml	100
T AR1016 3	6.245	0.0	1513778.195	257.5170	ng/ml	100
T AR1016 2 #2	6.421	0.0	318426.447	18.4047	ng/ml	100
T AR1016 4	6.452	0.0	34725.473	8.0344	ng/ml	100
T AR1016 5	6.611	0.0	261033.537	102.9753	ng/ml	100
T AR1016 3 #2	7.039	0.0	3842576.968	175.0414	ng/ml	100
T AR1016 4 #2	7.088	0.0	24132.401	1.5281	ng/ml	100
T AR1016 5 #2	7.872	0.0	95114.881	7.3139	ng/ml	100
T AR1260 1	8.798	0.0	365521.435	51.8032	ng/ml	100
T AR1260 2	9.335	0.0	76824.143	7.2039	ng/ml	100
T AR1260 3	9.796	0.0	36314.788	3.3882	ng/ml	100
T AR1260 1 #2	10.001	0.0	735600.671	32.3030	ng/ml	100
T AR1260 4	10.126	0.0	8726.920	1.3156	ng/ml	100
T AR1260 2 #2	10.137	0.0	22554.054	0.8006	ng/ml	100
T AR1260 3 #2	10.846	0.0	11272115.728	324.9479	ng/ml	100
T AR1260 5	10.911	0.0	208450.112	14.5547	ng/ml	100
T AR1260 4 #2	11.239	0.0	229174.949	11.2610	ng/ml	100
T AR1260 5 #2	11.791	0.0	238163.233	7.2080	ng/ml	100

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

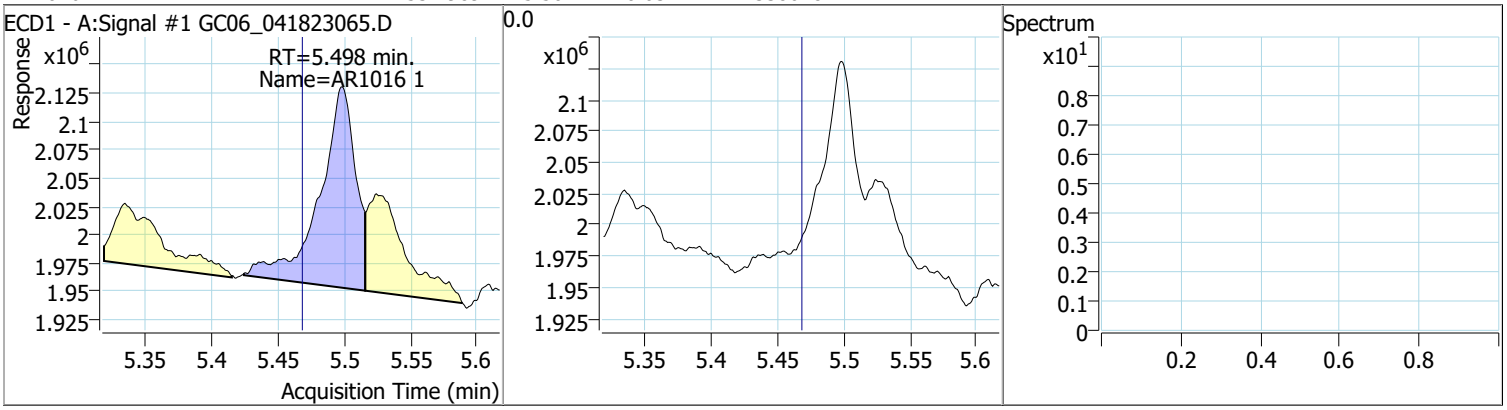
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.5351	5.10	0.00	2978216				



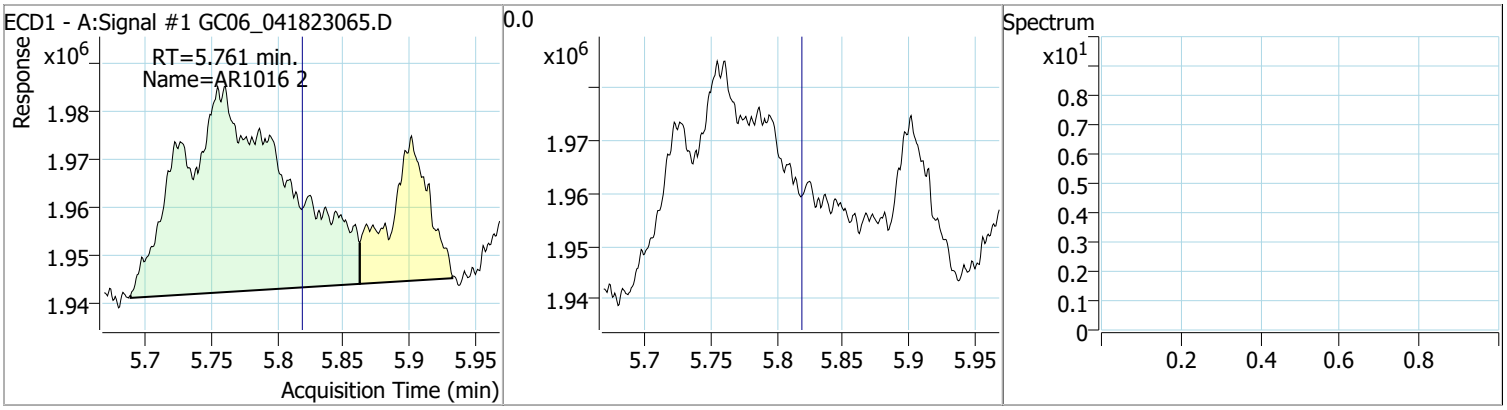
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.4724	5.45	0.00	11253306				



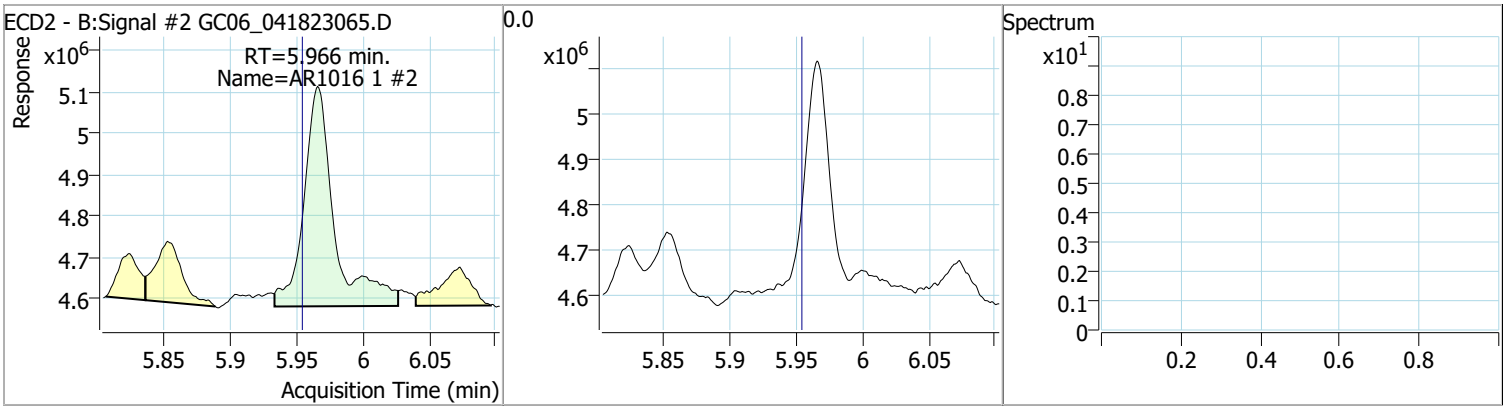
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	153.4989	5.50	0.03	338078				



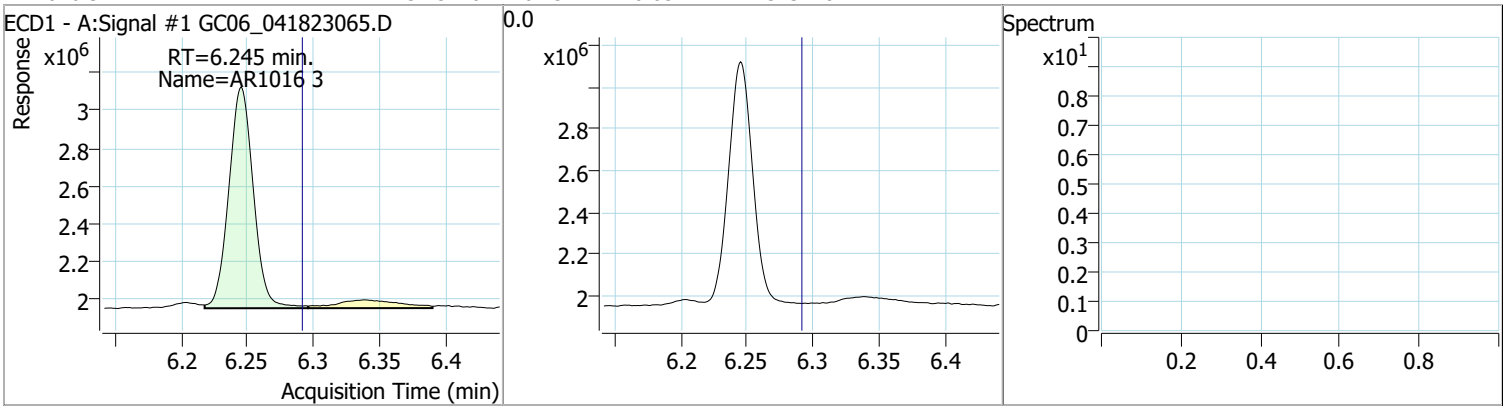
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	50.6772	5.76	-0.06	239472				



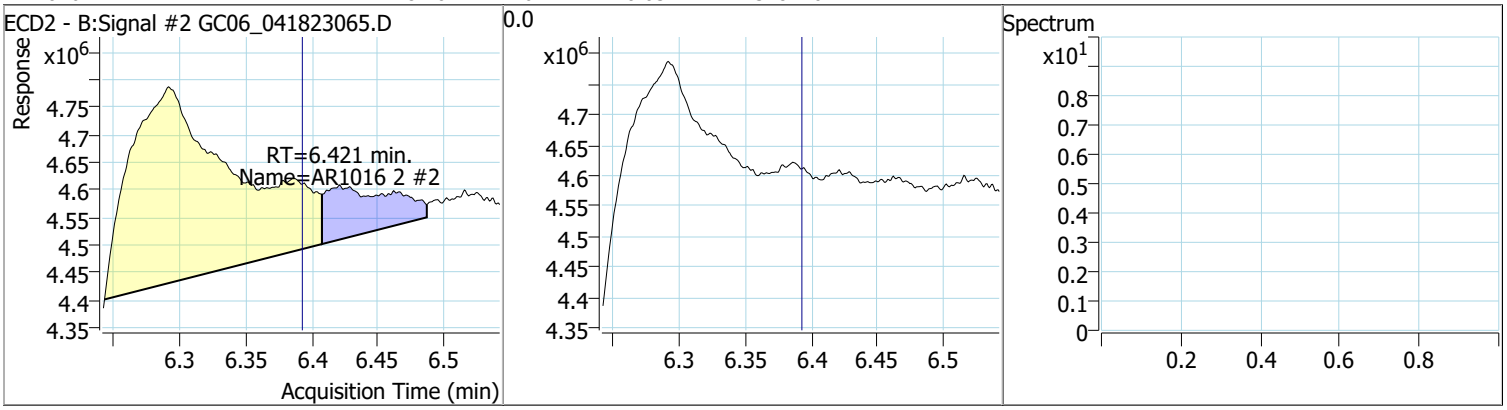
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	104.0961	5.97	0.01	854027				



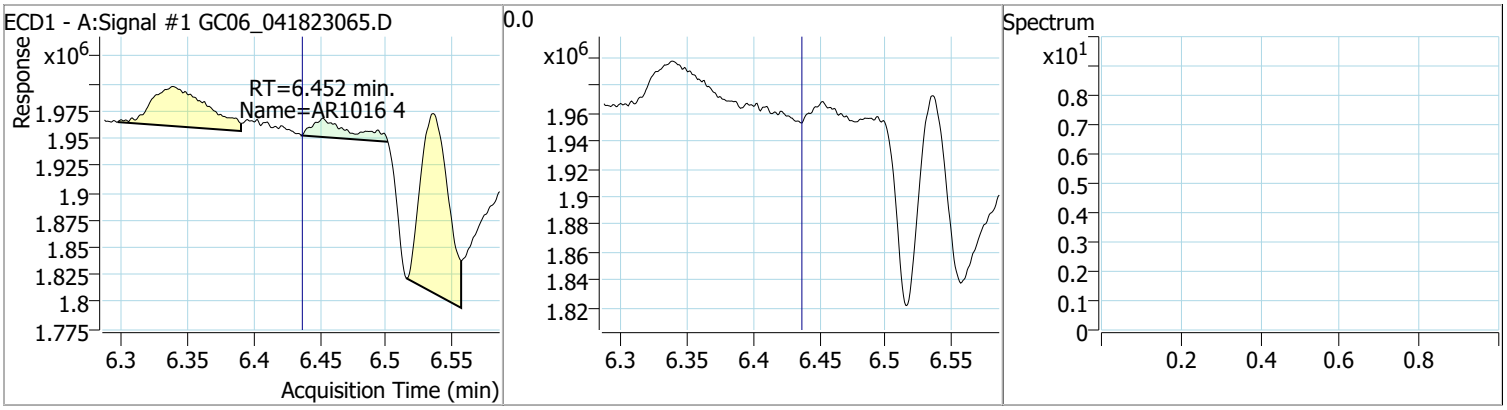
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	257.5170	6.25	-0.05	1513778				



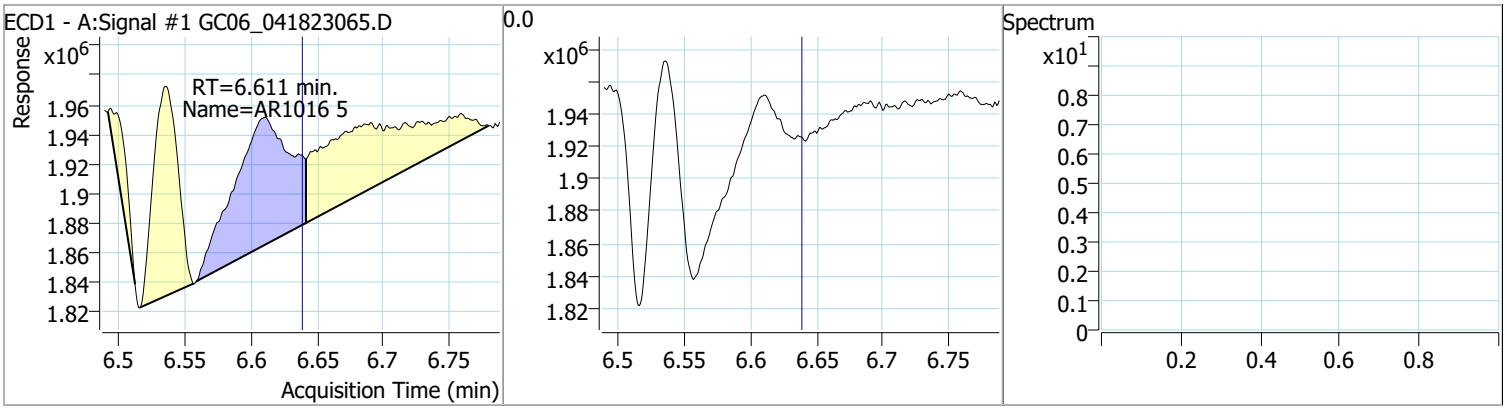
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.4047	6.42	0.03	318426				



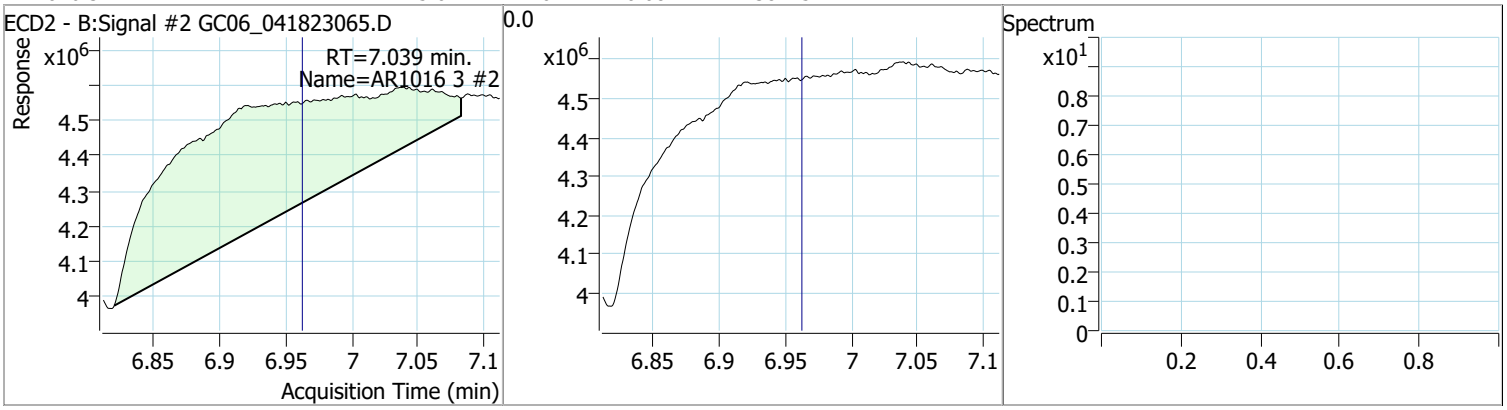
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	8.0344	6.45	0.02	34725				



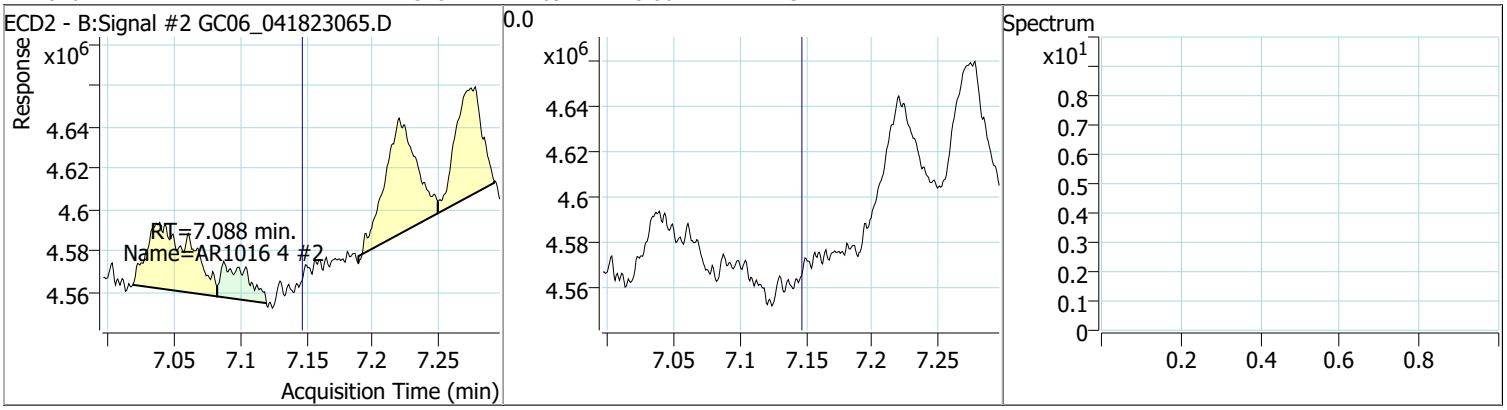
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	102.9753	6.61	-0.03	261034				



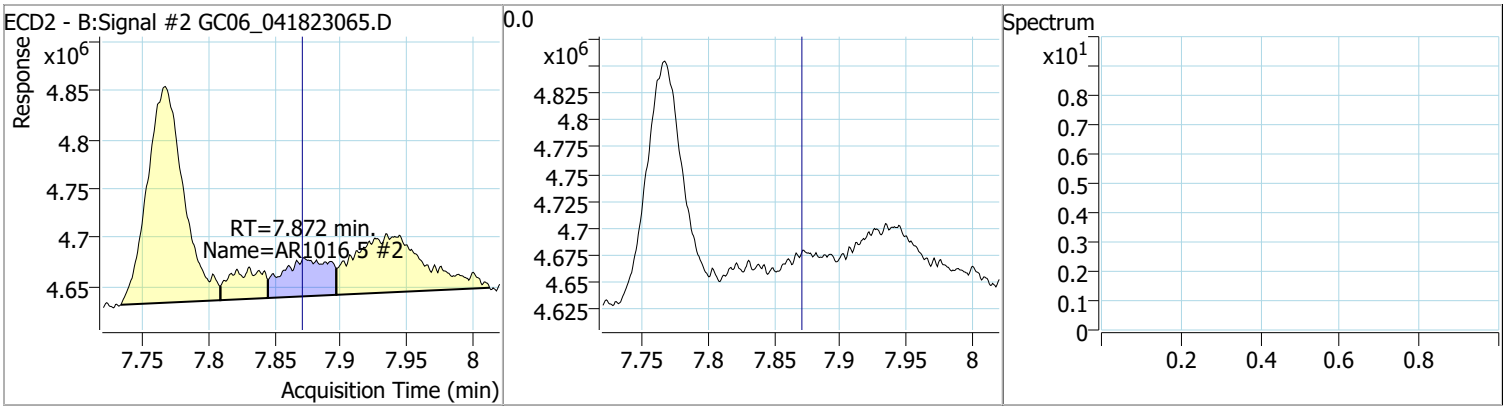
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	175.0414	7.04	0.08	3842577				



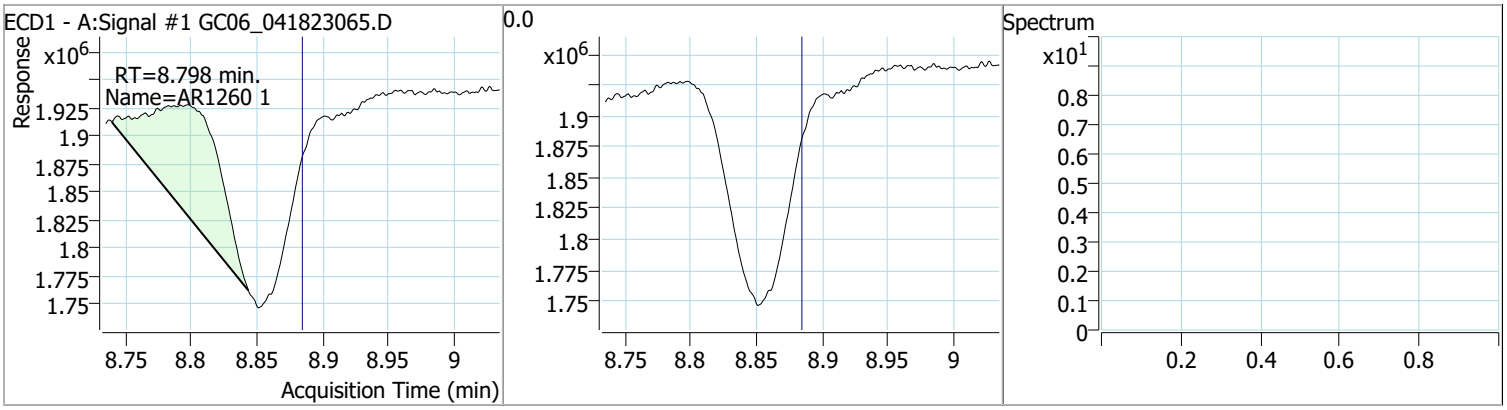
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.5281	7.09	-0.06	24132				



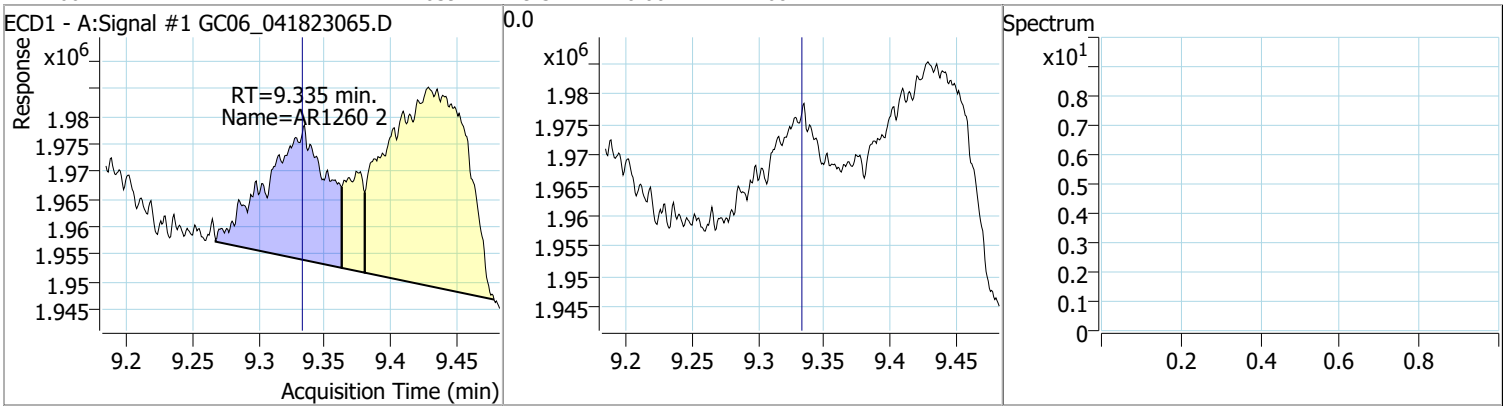
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	7.3139	7.87	0.00	95115				



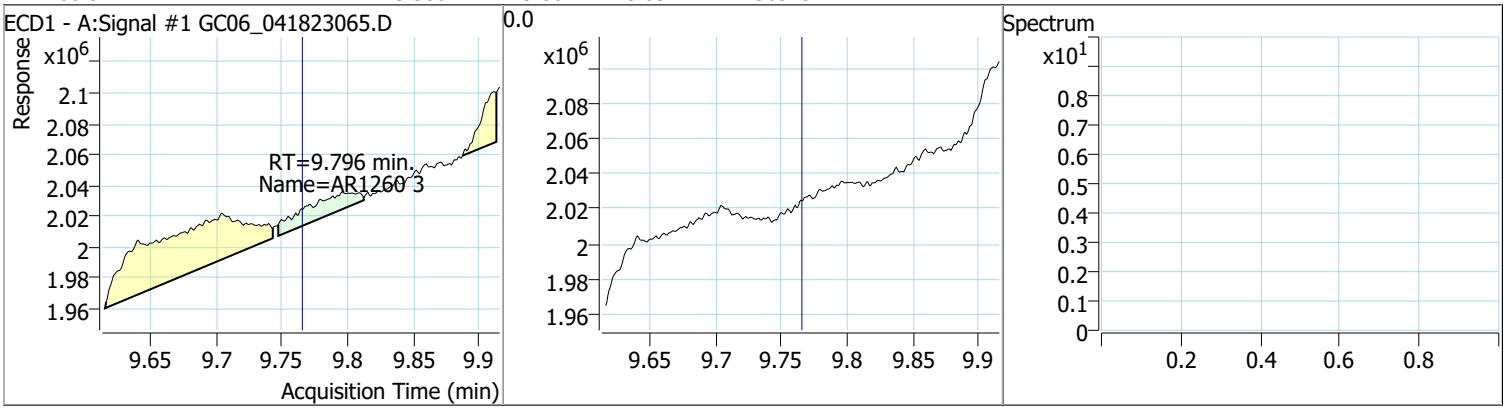
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	51.8032	8.80	-0.09	365521				



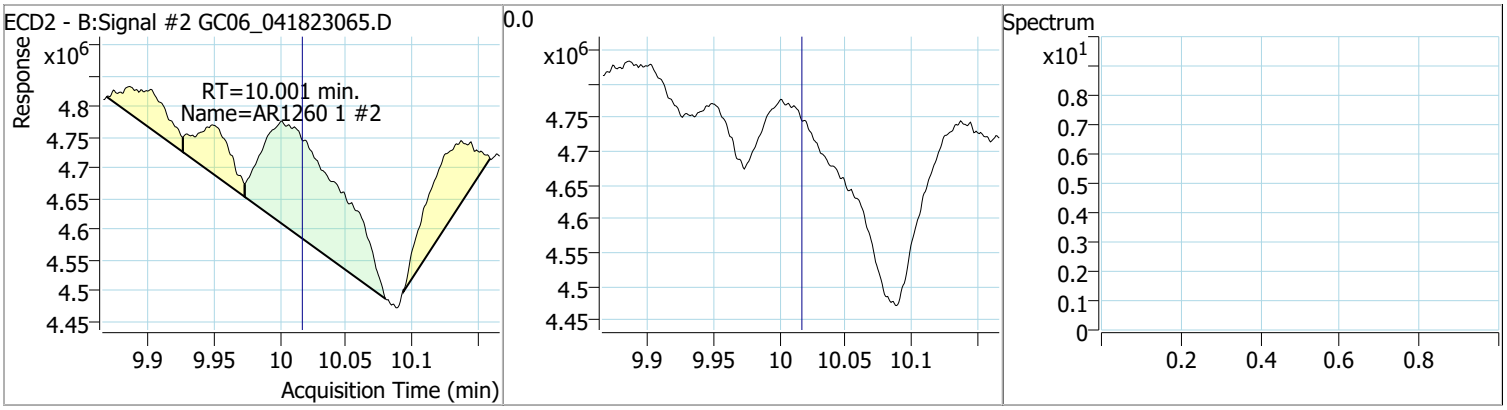
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	7.2039	9.34	0.00	76824				



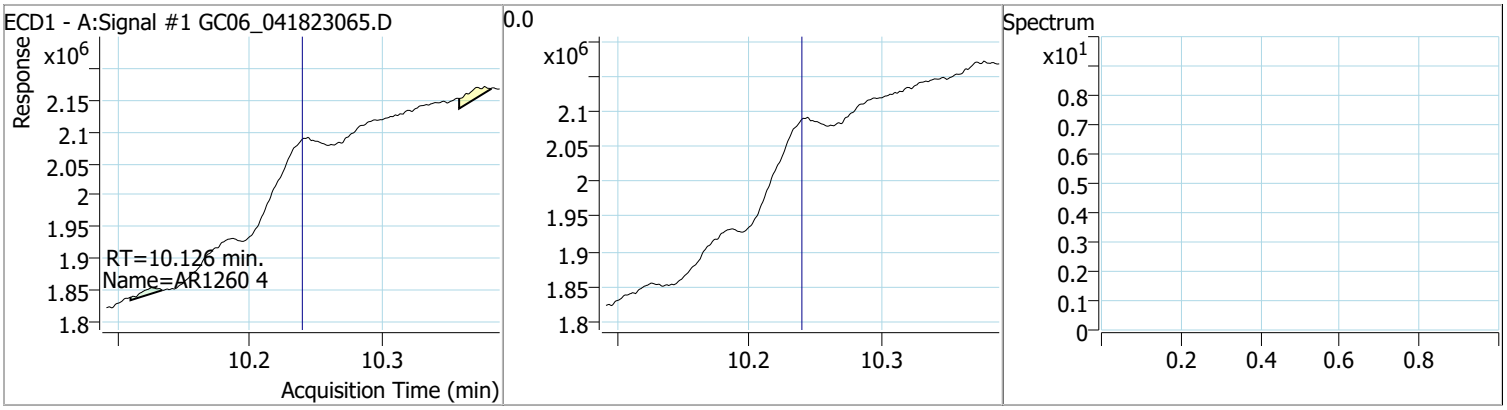
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.3882	9.80	0.03	36315				



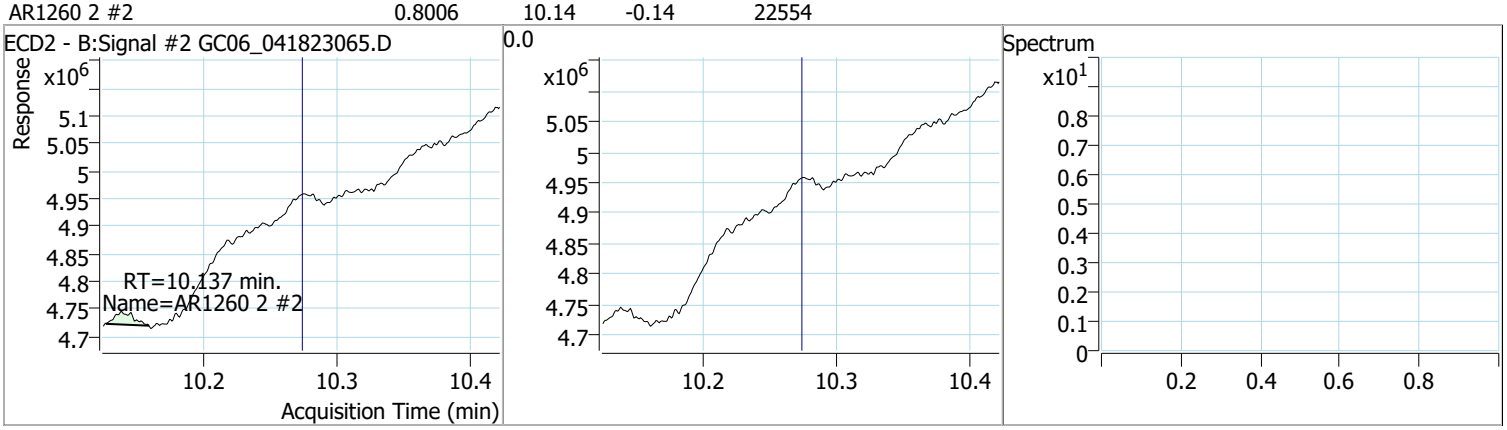
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	32.3030	10.00	-0.01	735601				



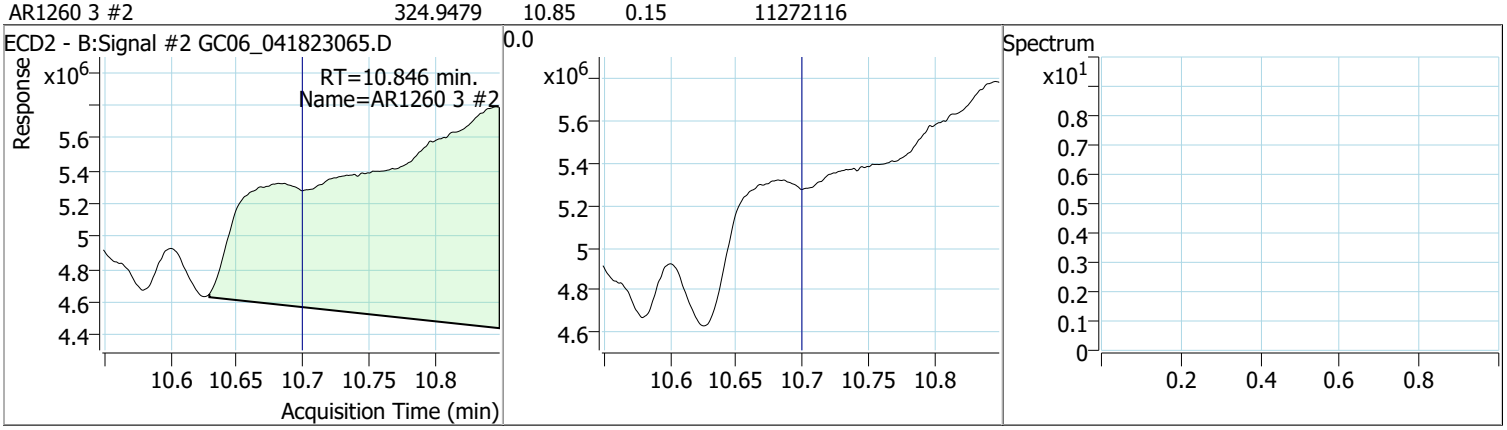
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1.3156	10.13	-0.11	8727				



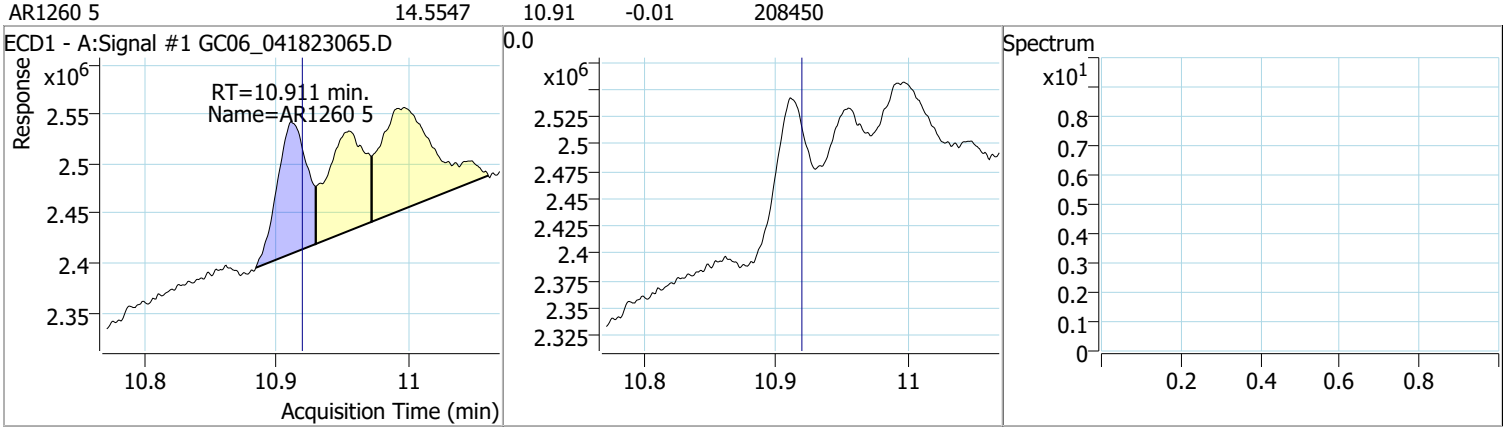
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.8006	10.14	-0.14	22554				



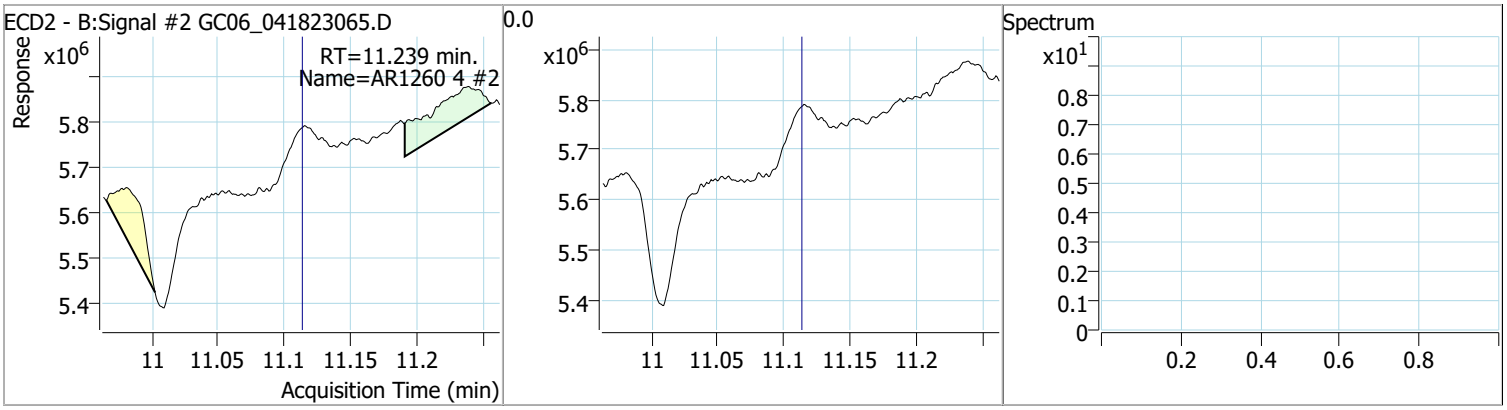
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	324.9479	10.85	0.15	11272116				



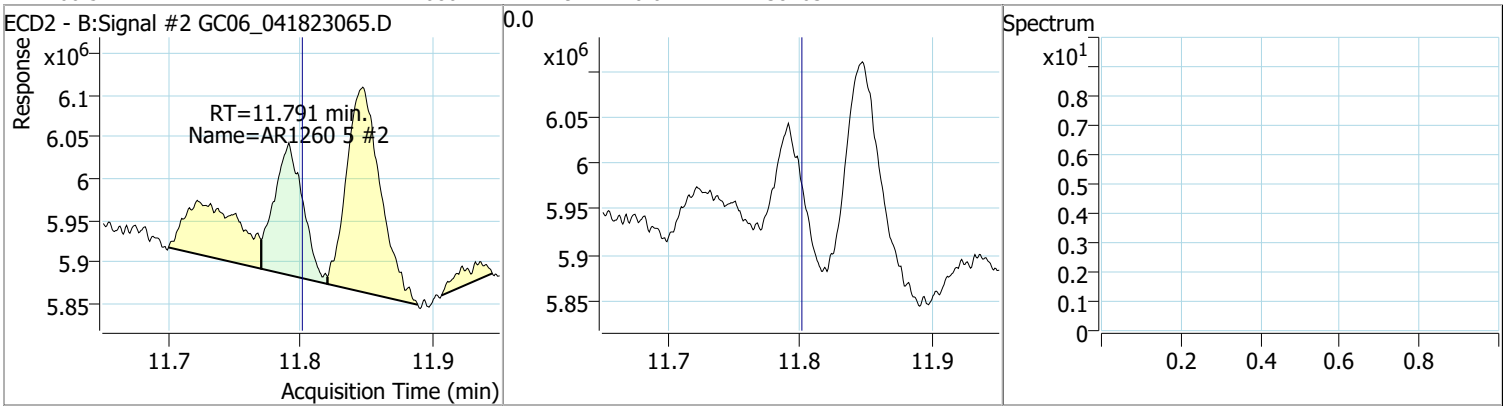
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.5547	10.91	-0.01	208450				



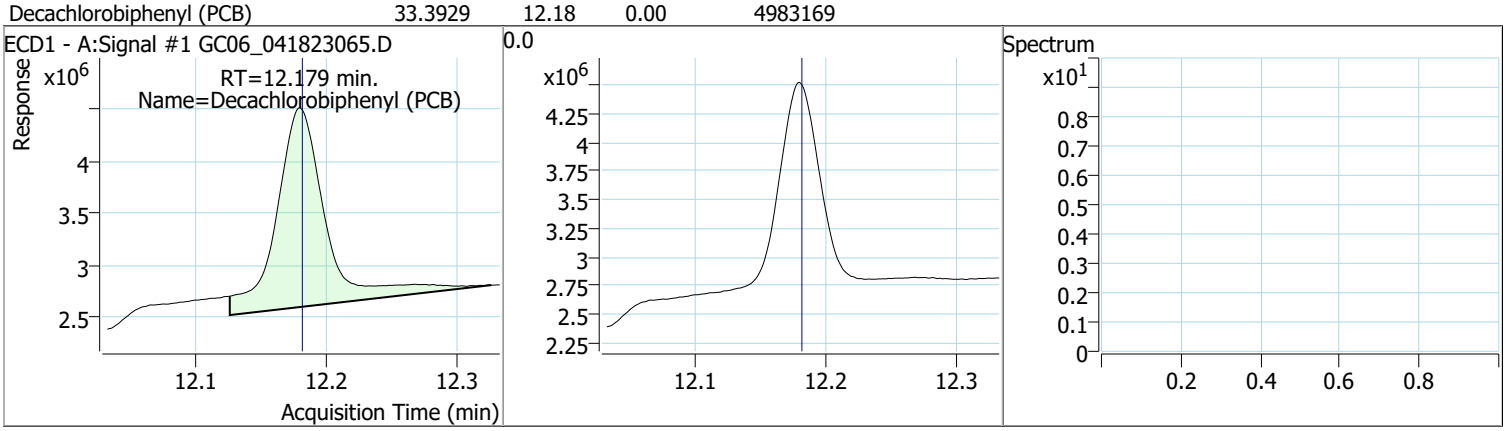
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.2610	11.24	0.13	229175				



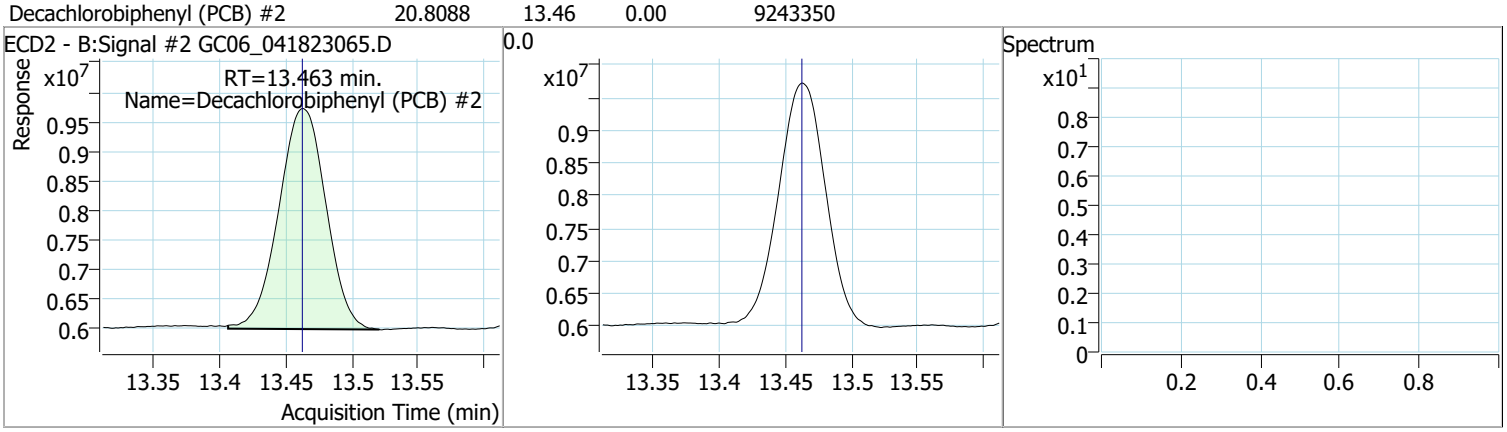
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.2080	11.79	-0.01	238163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.3929	12.18	0.00	4983169				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.8088	13.46	0.00	9243350				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-012	Client ID:	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-DUP-LA
Seqnum:	453156076066	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823066	Batch:	312006	Time:	19-APR-2023 04:35
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	65.97	~~0.66~~ ~~FP~~	1.0	45%	0.50		x u
Aroclor-1016 Peak # 1	B	35.55	0.36	1.06	99%			
Aroclor-1016 Peak # 2	B	16.18	0.16	0.32	66%			
Aroclor-1016 Peak # 3	B	184.9	1.85	0.58	104%			
Aroclor-1016 Peak # 4	B	1.977	0.02	2.16	196%			
Aroclor-1016 Peak # 5	B	91.23	0.91	1.12	20%			
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	19.63	ND	0.14	34%	0.50		u
Aroclor-1260 Peak # 1	B	63.24	0.63	0.22	98%			
Aroclor-1260 Peak # 2	B	1.582	0.02	0.23	174%			
Aroclor-1260 Peak # 3	B	9.485	0.09	0.02	133%			
Aroclor-1260 Peak # 4	B	16.19	0.16	ND				
Aroclor-1260 Peak # 5	B	7.671	0.08	0.24	103%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.76	0.5000	0.3276	66	19-121	u
Decachlorobiphenyl (PCB)	B	23.67	0.5000	0.2367	47	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7706051	-34.68
1-bromo-2-nitrobenzene (PCB)	A	3171036	2050123	-35.35

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

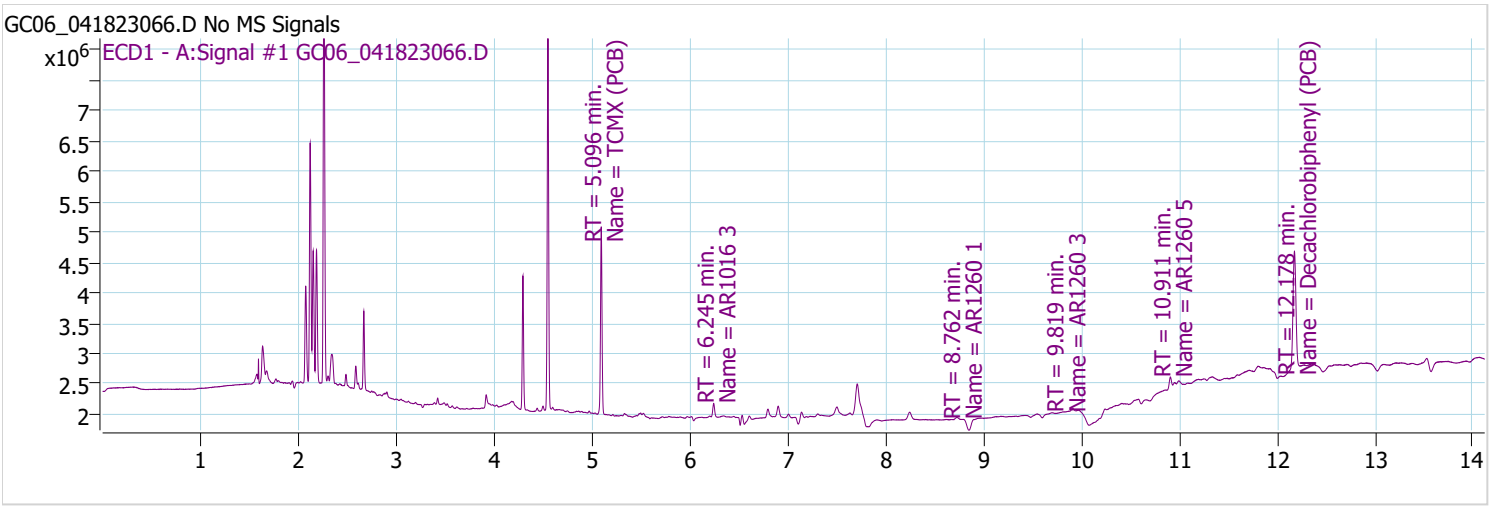
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

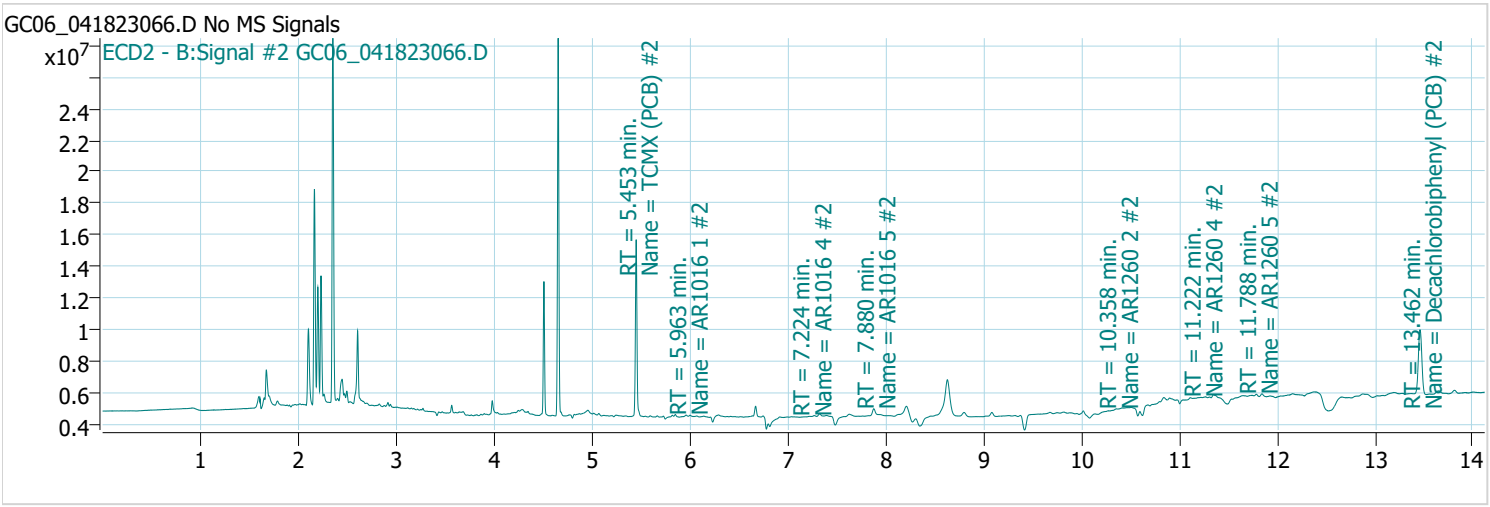
u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823066.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 4:35:17 AM
Sample Name	483449-012, 312006, 1	Instrument	SVOA-GC06
Vial	36	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



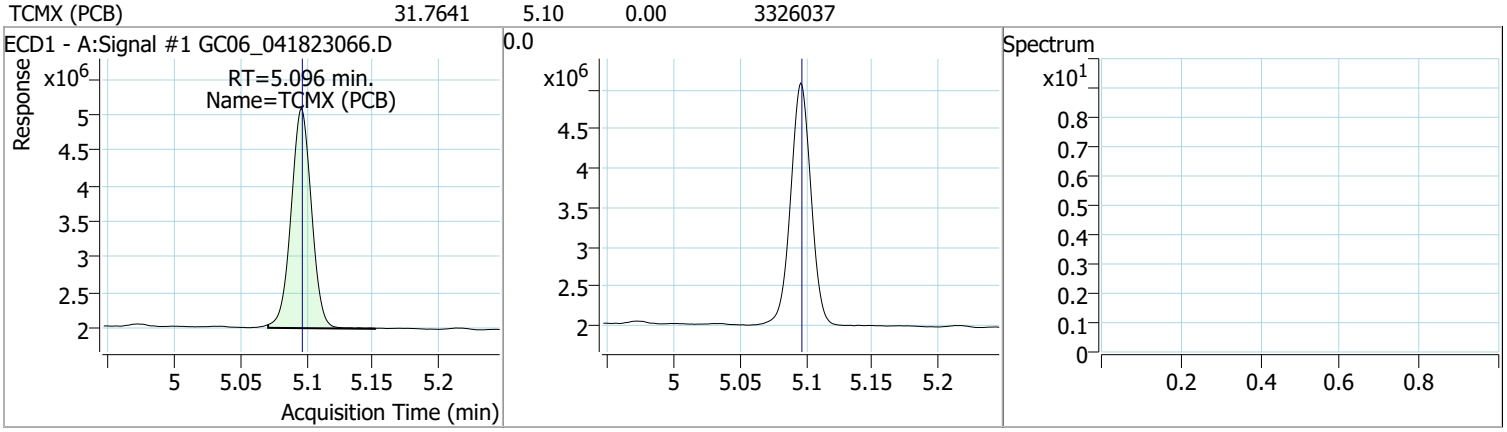


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	2050122.587	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7706050.814	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	3326037.381	31.7641	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.82%		*	
S TCMX (PCB) #2	5.453	0.0	12501486.021	32.7617	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.81%		*	
S Decachlorobiphenyl (PCB)	12.178	0.0	4464855.663	30.9054	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.53%		*	
S Decachlorobiphenyl (PCB) #2	13.462	0.0	10150061.184	23.6672	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 118.34%			
Target Compounds							QValue

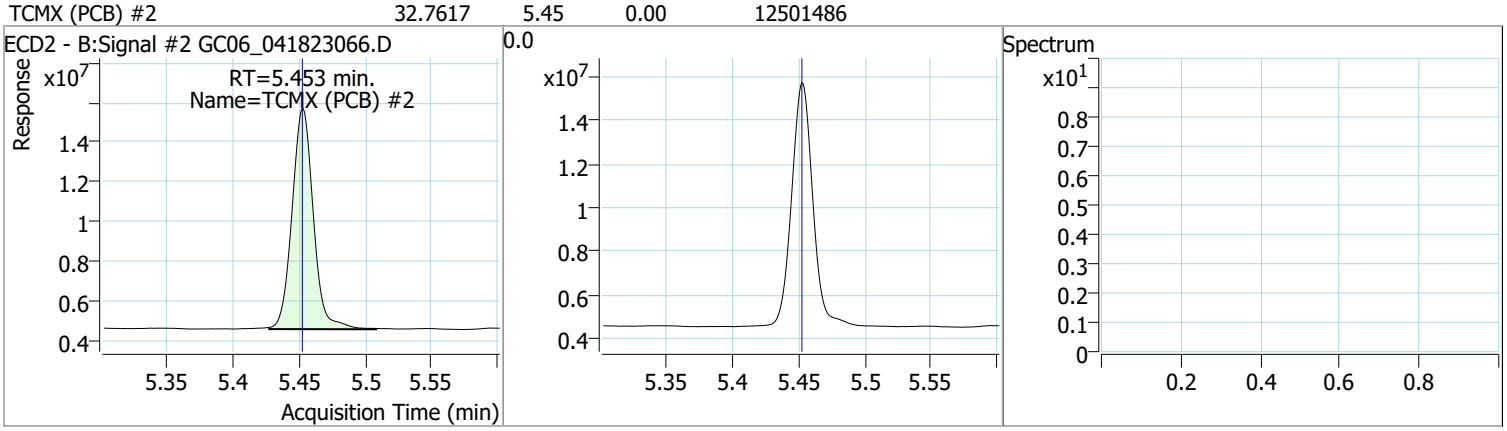
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.498	0.0	225104.681	105.5728	ng/ml	100
T AR1016 2	5.787	0.0	146390.484	32.0000	ng/ml	100
T AR1016 1 #2	5.963	0.0	281561.642	35.5466	ng/ml	100
T AR1016 3	6.245	0.0	330930.758	58.1513	ng/ml	100
T AR1016 2 #2	6.382	0.0	270261.582	16.1795	ng/ml	100
T AR1016 4	6.348	0.0	903022.643	215.8156	ng/ml	100
T AR1016 5	6.609	0.0	273680.287	111.5217	ng/ml	100
T AR1016 3 #2	7.036	0.0	3919121.079	184.9134	ng/ml	100
T AR1016 4 #2	7.224	0.0	30139.361	1.9767	ng/ml	100
T AR1016 5 #2	7.880	0.0	1145495.790	91.2335	ng/ml	100
T AR1260 1	8.762	0.0	147273.063	21.5599	ng/ml	100
T AR1260 2	9.427	0.0	233187.819	22.5868	ng/ml	100
T AR1260 3	9.819	0.0	19880.665	1.9160	ng/ml	100
T AR1260 1 #2	10.021	0.0	1390308.635	63.2374	ng/ml	100
T AR1260 4	0.000		0	N.D.		
T AR1260 2 #2	10.358	0.0	43018.305	1.5816	ng/ml	100
T AR1260 3 #2	10.601	0.0	317678.949	9.4855	ng/ml	100
T AR1260 5	10.911	0.0	330564.610	23.8417	ng/ml	100
T AR1260 4 #2	11.222	0.0	318054.217	16.1873	ng/ml	100
T AR1260 5 #2	11.788	0.0	244704.446	7.6708	ng/ml	100

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

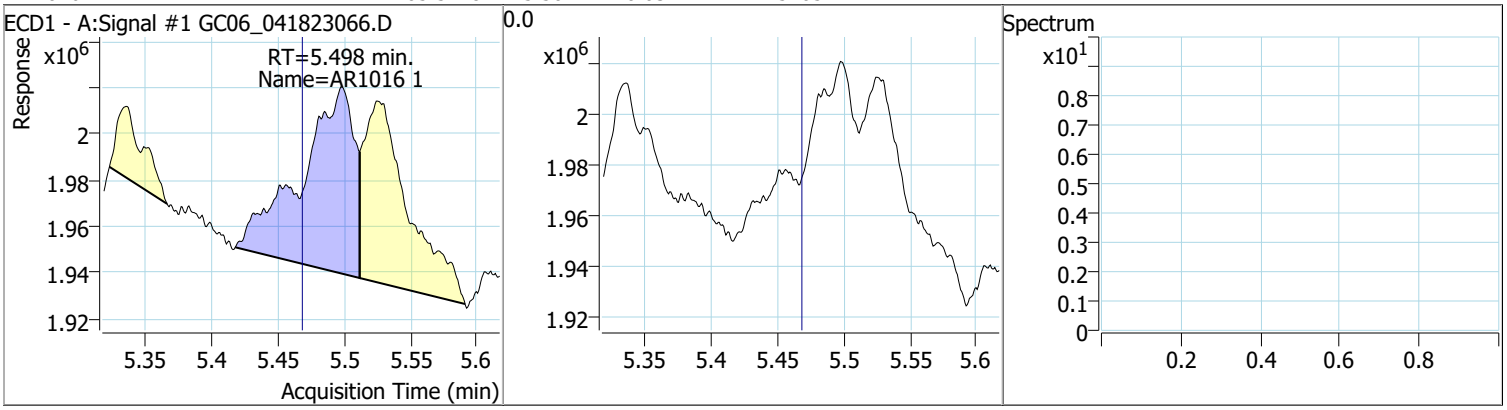
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.7641	5.10	0.00	3326037				



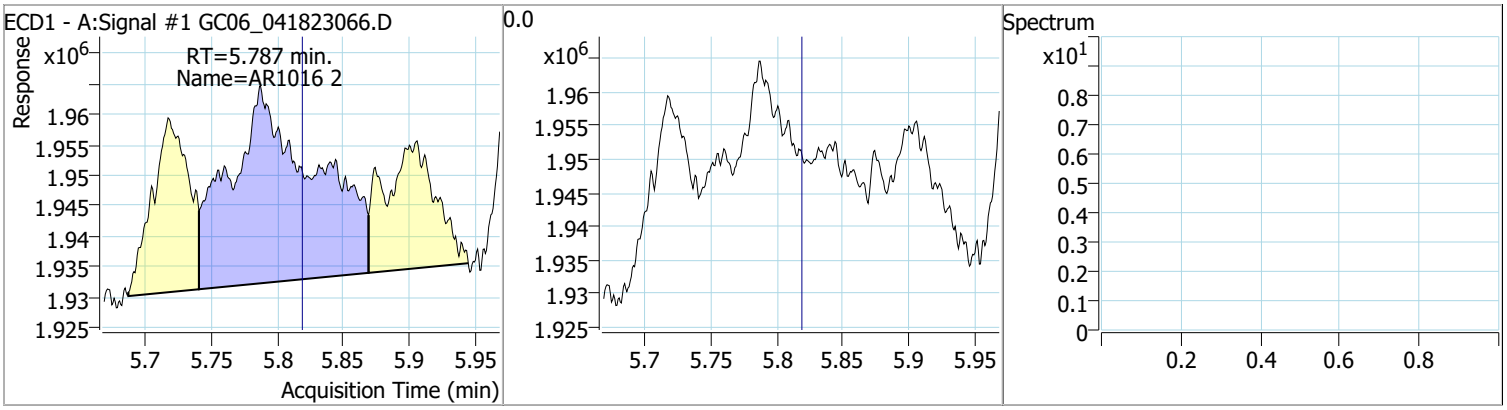
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.7617	5.45	0.00	12501486				



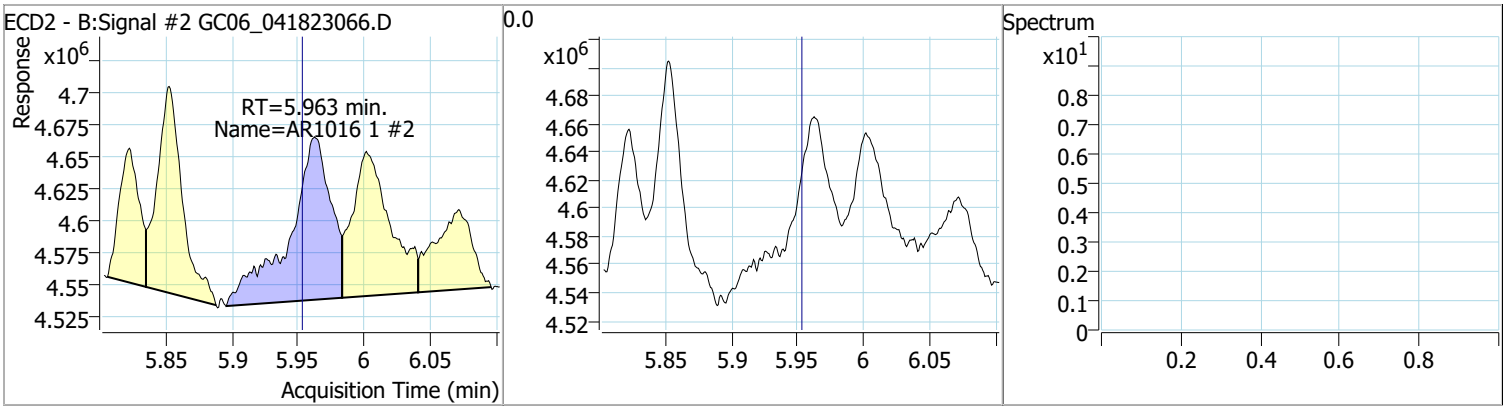
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	105.5728	5.50	0.03	225105				



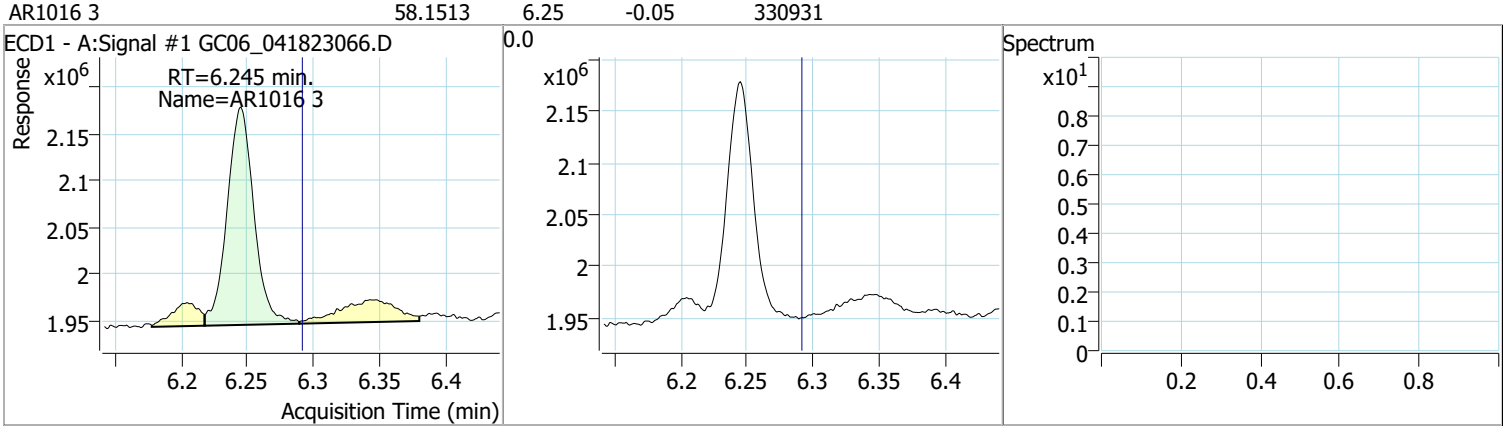
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	32.0000	5.79	-0.03	146390				



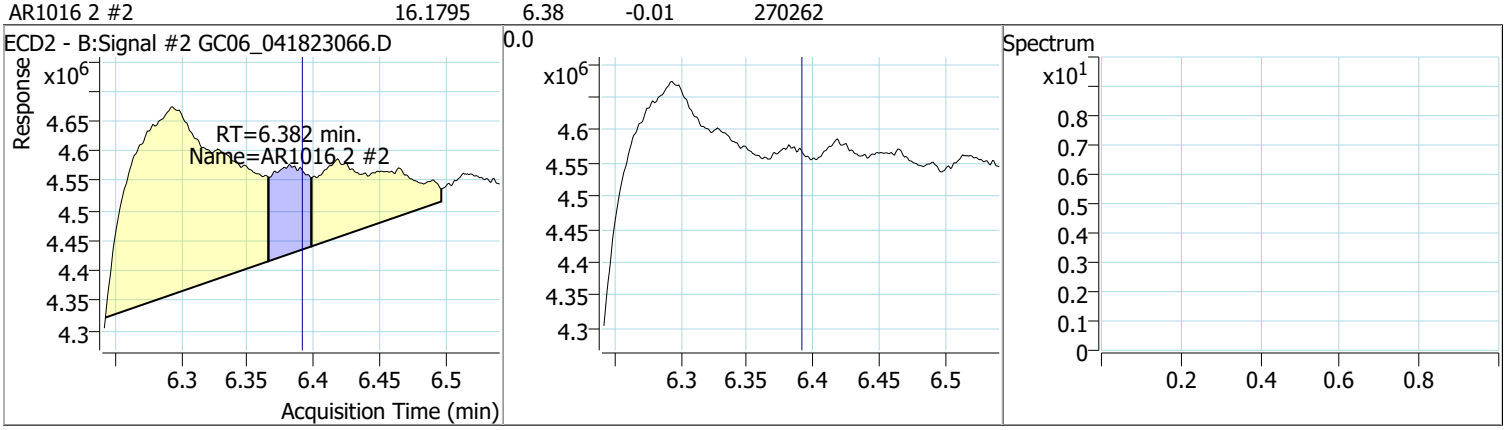
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	35.5466	5.96	0.01	281562				



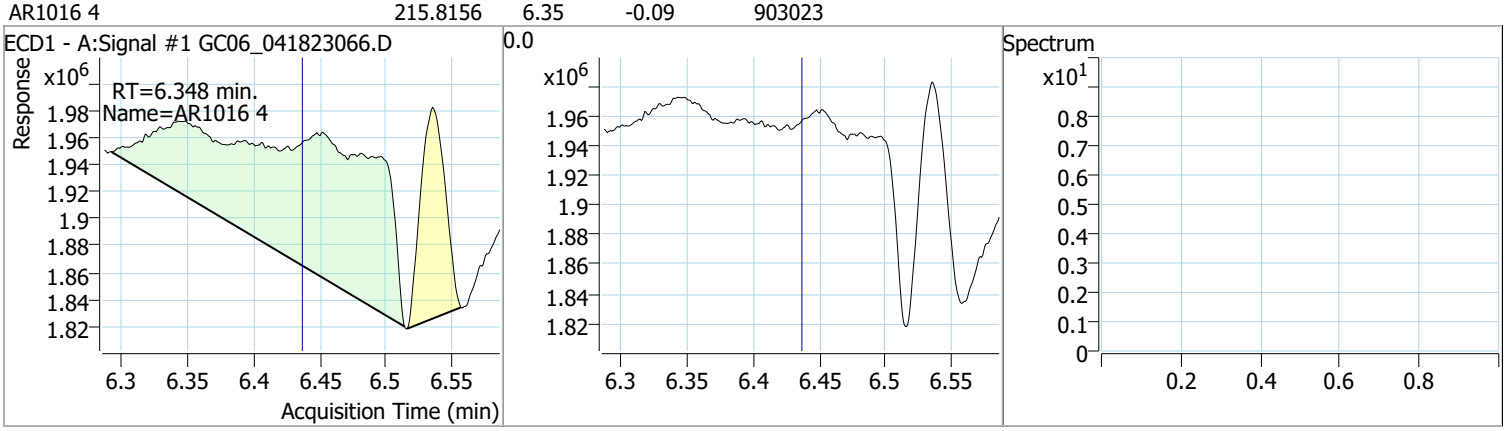
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	58.1513	6.25	-0.05	330931				



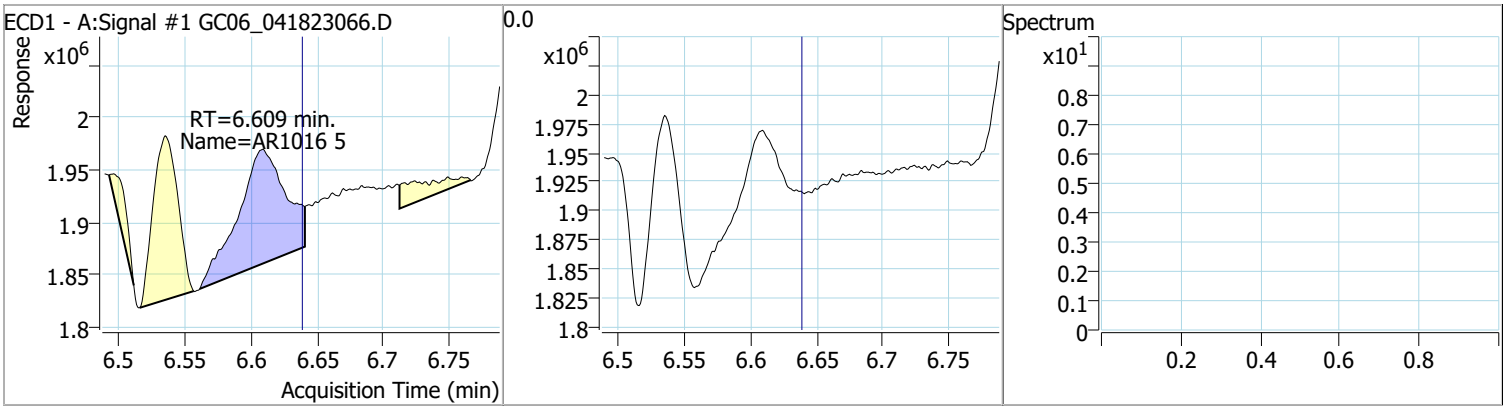
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.1795	6.38	-0.01	270262				



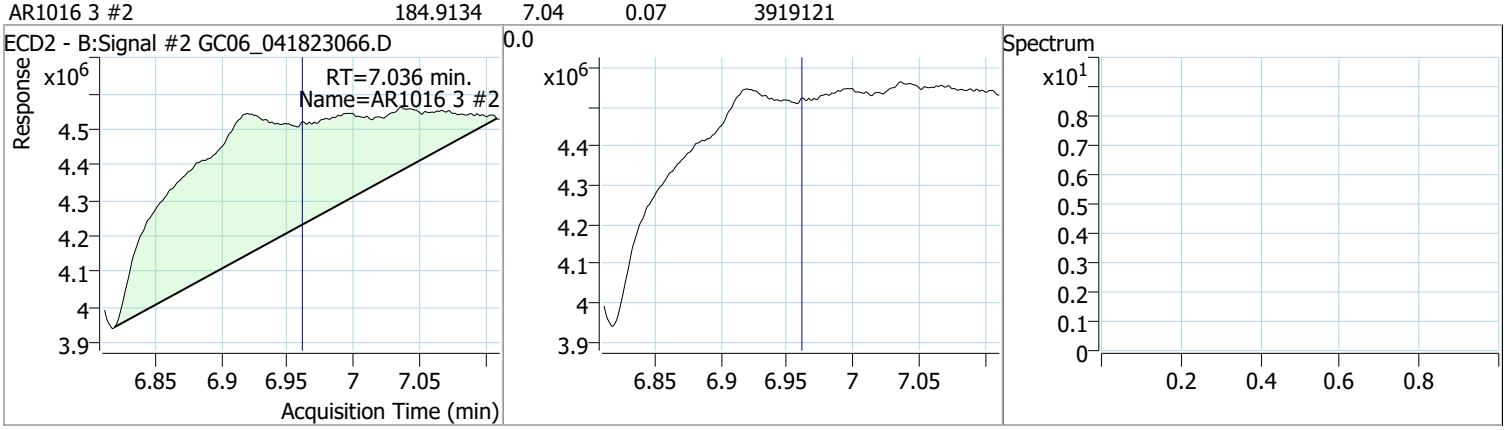
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	215.8156	6.35	-0.09	903023				



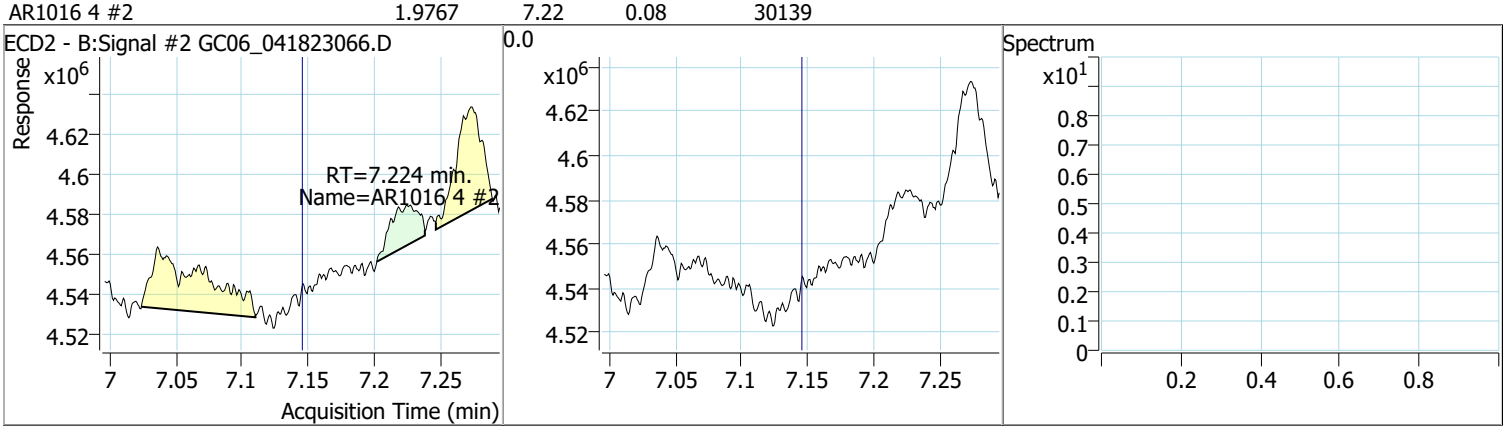
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	111.5217	6.61	-0.03	273680				



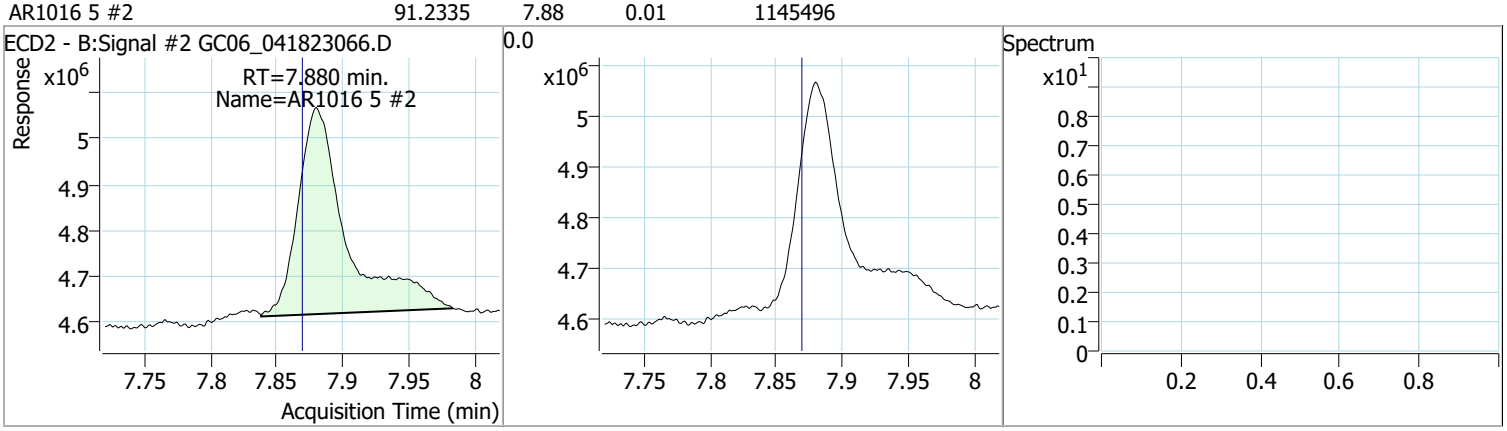
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	184.9134	7.04	0.07	3919121				



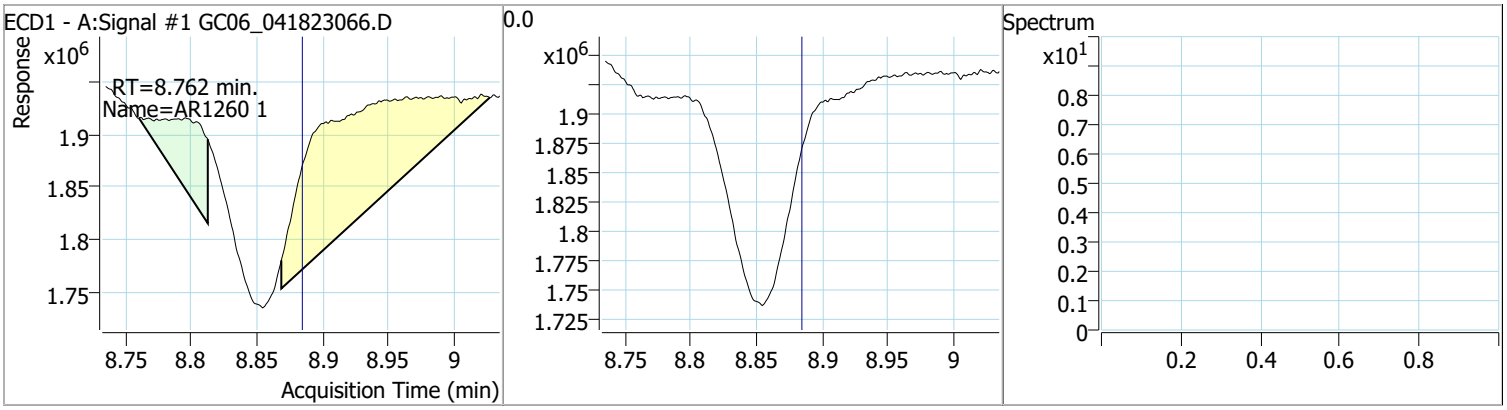
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9767	7.22	0.08	30139				



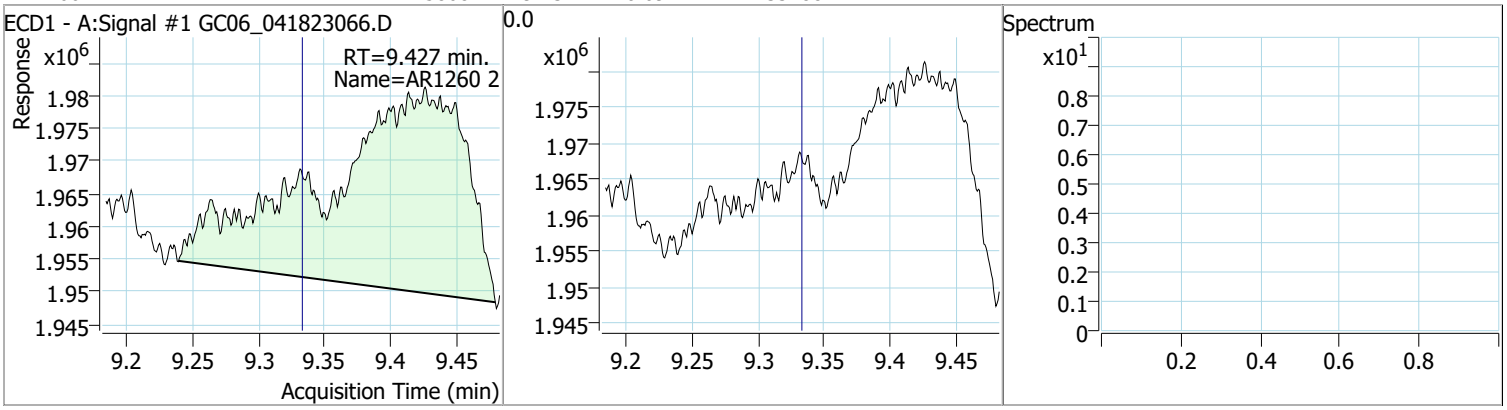
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	91.2335	7.88	0.01	1145496				



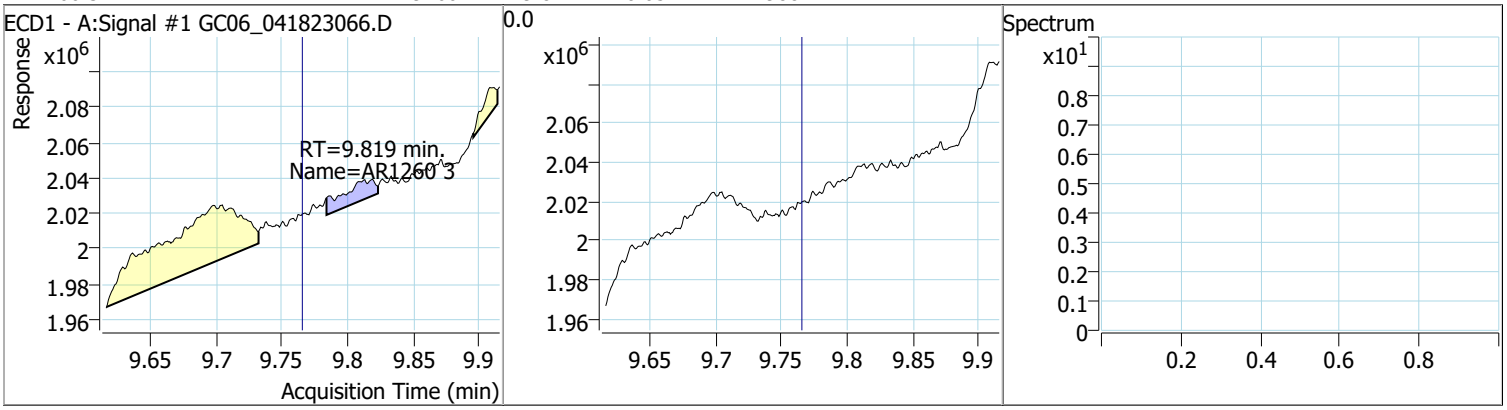
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	21.5599	8.76	-0.12	147273				



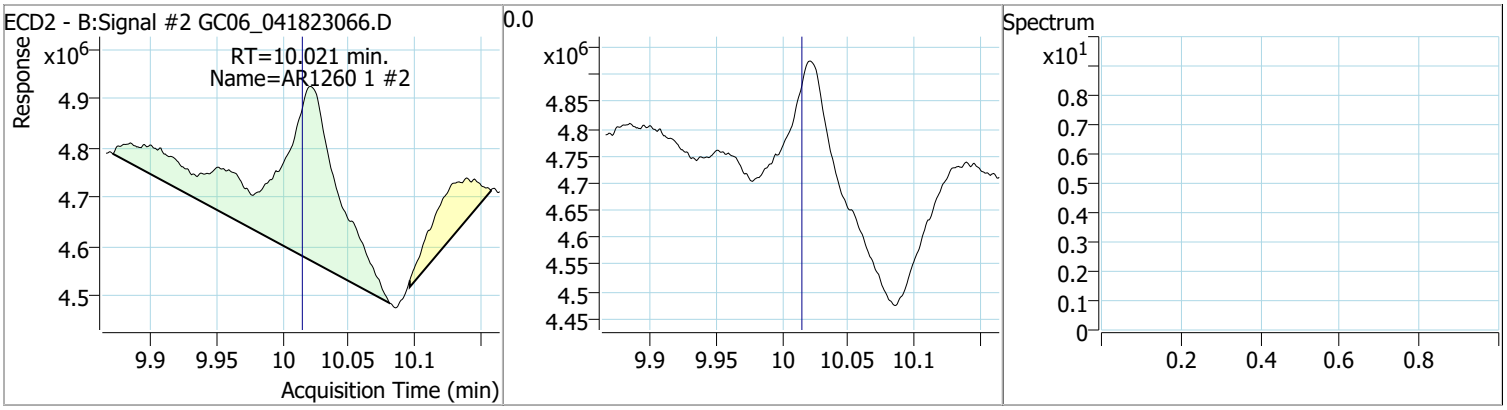
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.5868	9.43	0.09	233188				



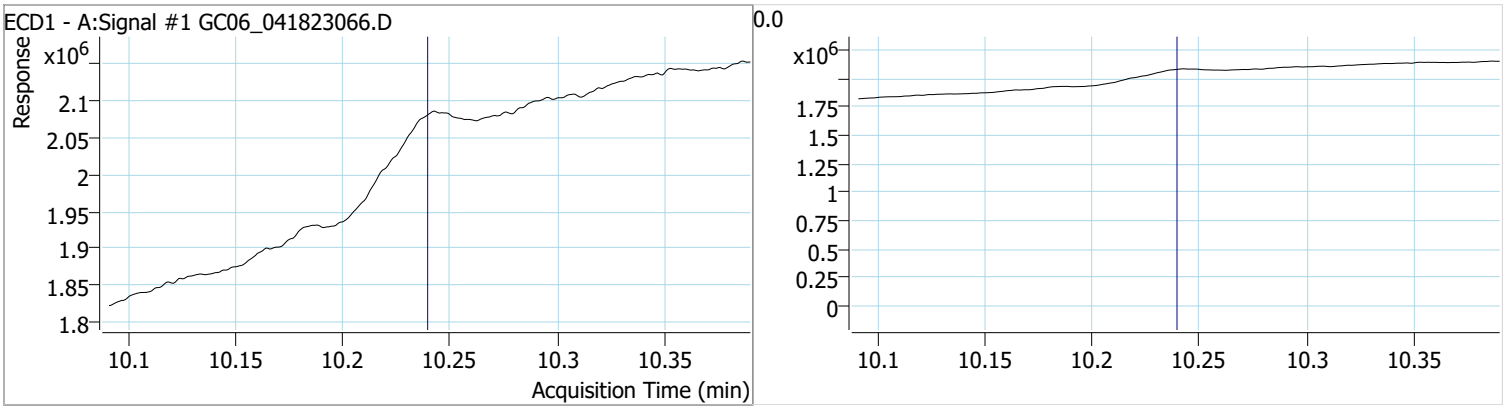
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.9160	9.82	0.05	19881				



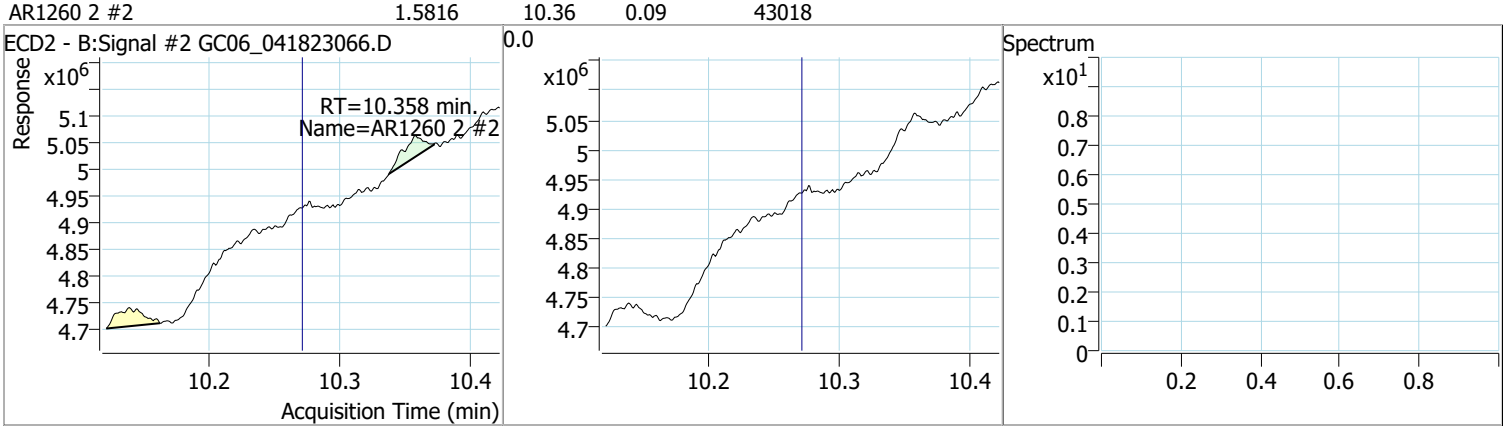
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	63.2374	10.02	0.01	1390309				



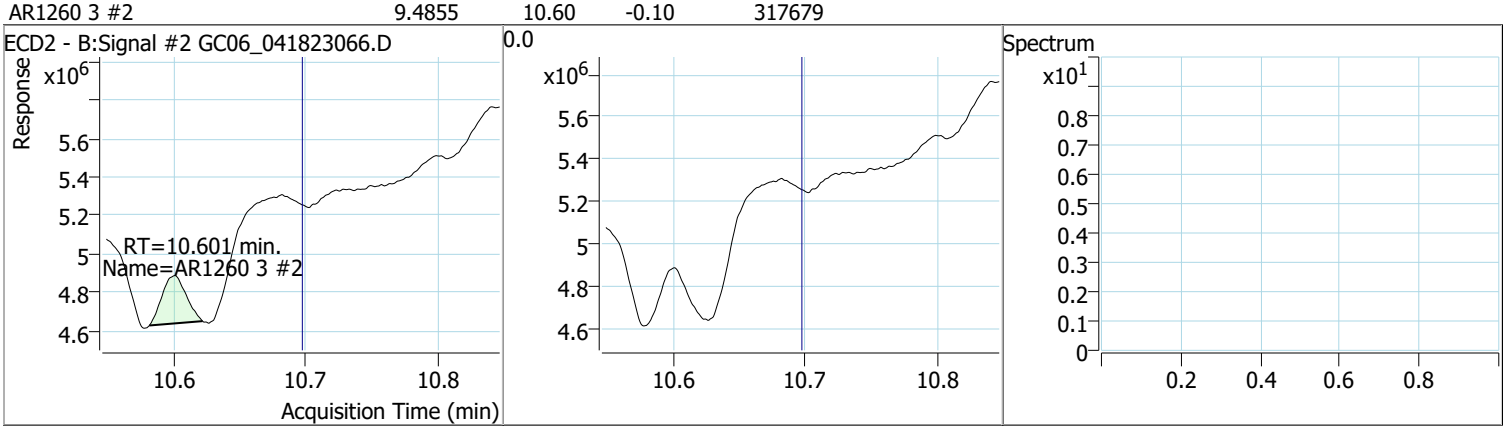
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4	N.D.	10.24		



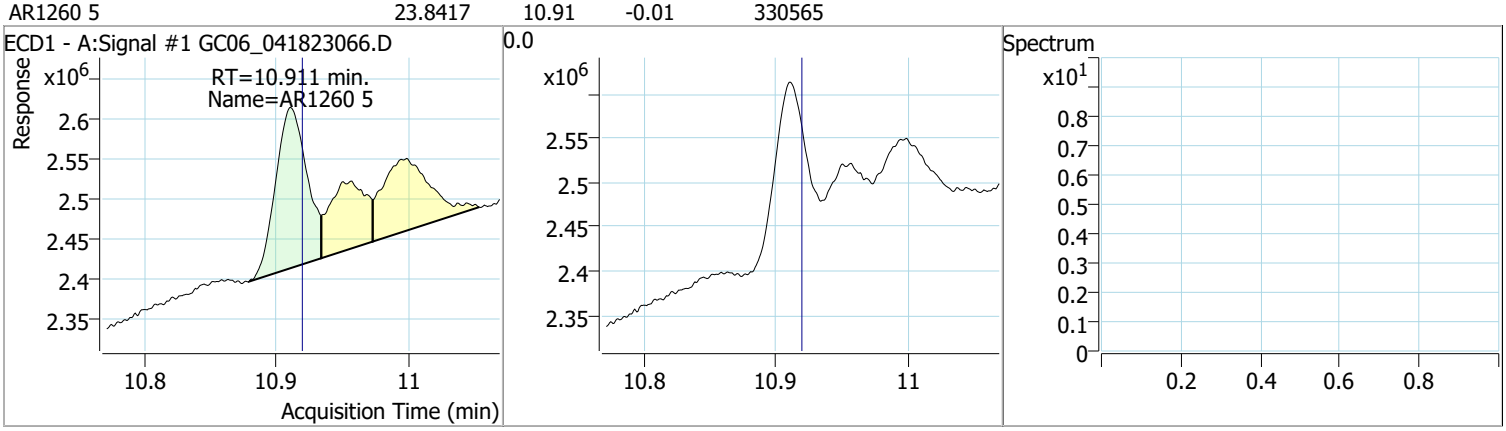
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.5816	10.36	0.09	43018				



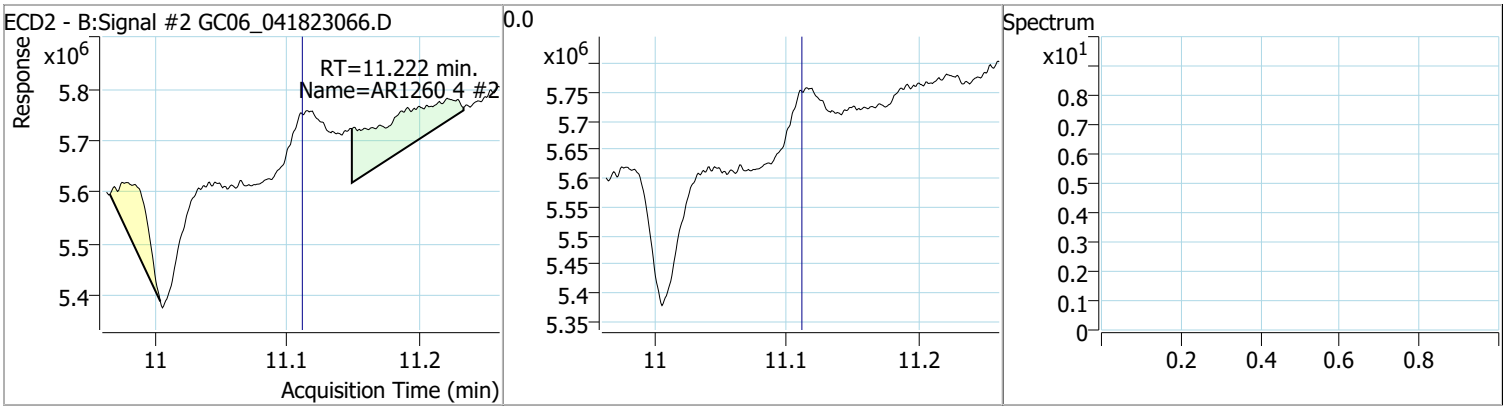
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.4855	10.60	-0.10	317679				



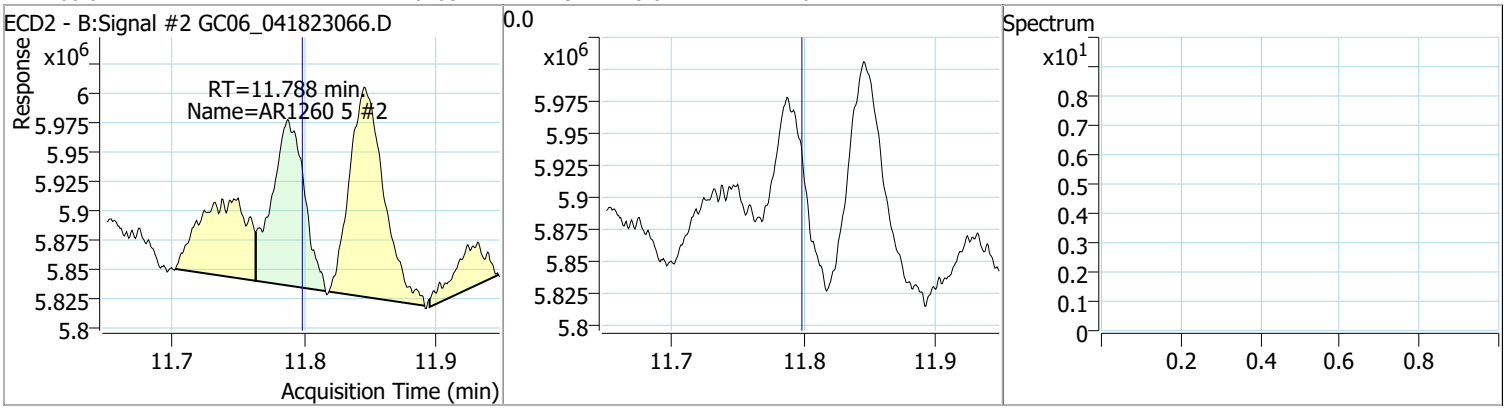
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.8417	10.91	-0.01	330565				



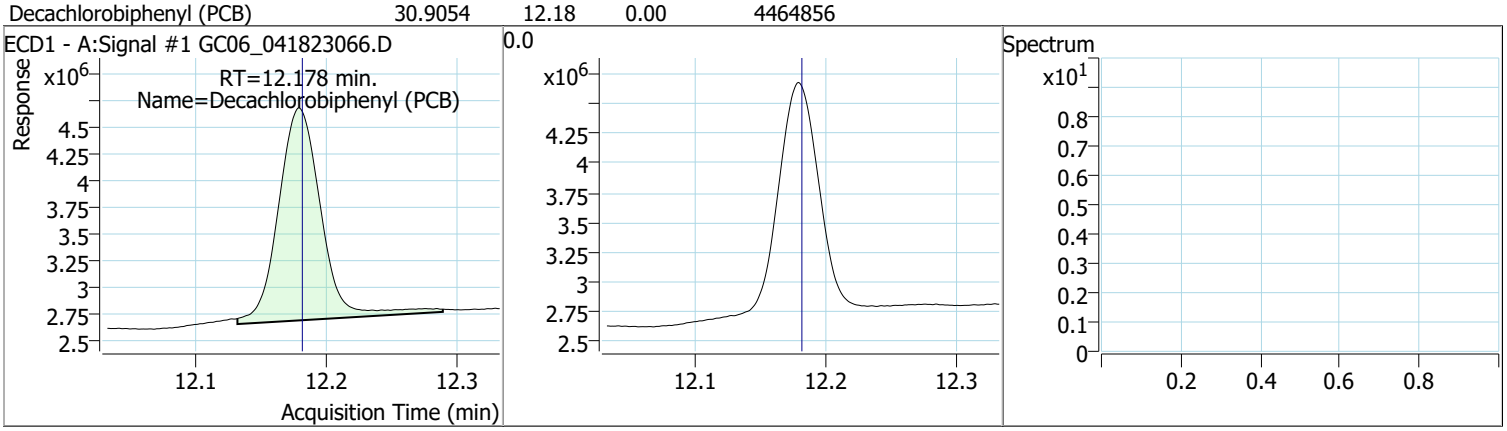
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	16.1873	11.22	0.11	318054				



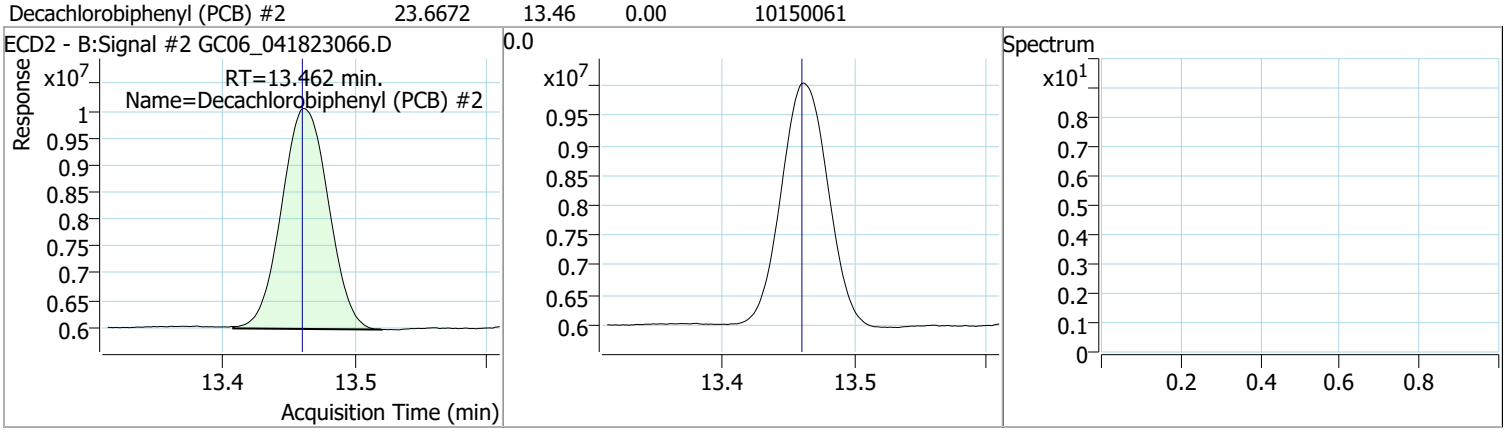
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.6708	11.79	-0.01	244704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.9054	12.18	0.00	4464856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.6672	13.46	0.00	10150061				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-014	Client ID:	AFRAME-C4E-MED-L3-INT-0 TO 1-230414-P-WF
Seqnum:	453156076067	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823067	Batch:	312006	Time:	19-APR-2023 04:53
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	60.09	~~0.60~~ ~~FP~~	0.96	46%	0.50		x u
Aroclor-1016 Peak # 1	B	45.64	0.46	0.81	56%			
Aroclor-1016 Peak # 2	B	12.57	0.13	0.04	108%			
Aroclor-1016 Peak # 3	B	232.8	2.33	0.03	195%			
Aroclor-1016 Peak # 4	B	0.5799	0.01	2.36	199%			
Aroclor-1016 Peak # 5	B	8.836	0.09	1.55	178%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	10.14	ND	0.23	77%	0.50		u
Aroclor-1260 Peak # 1	B	24.65	0.25	0.69	95%			
Aroclor-1260 Peak # 2	B	7.006	0.07	0.03	82%			
Aroclor-1260 Peak # 3	B	8.372	0.08	0.03	105%			
Aroclor-1260 Peak # 4	B	4.075	0.04	ND				
Aroclor-1260 Peak # 5	B	6.607	0.07	0.39	142%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.43	0.5000	0.2843	57	19-121	u
Decachlorobiphenyl (PCB)	B	20.86	0.5000	0.2086	42	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7010374	-40.58
1-bromo-2-nitrobenzene (PCB)	A	3171036	1868614	-41.07

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

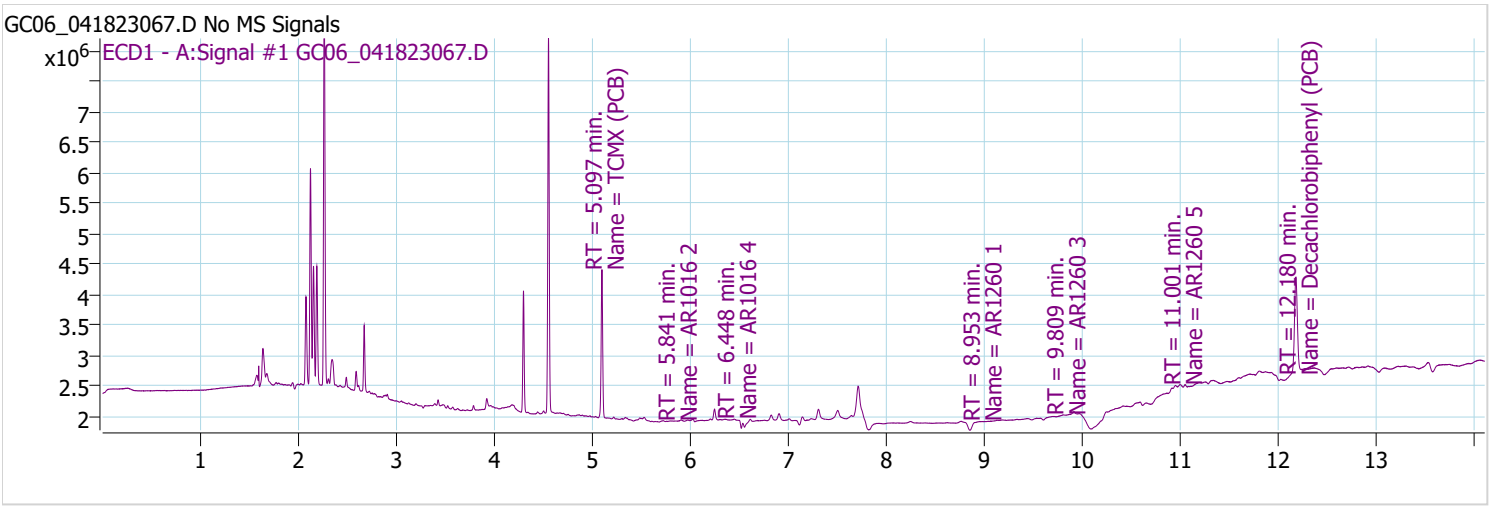
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

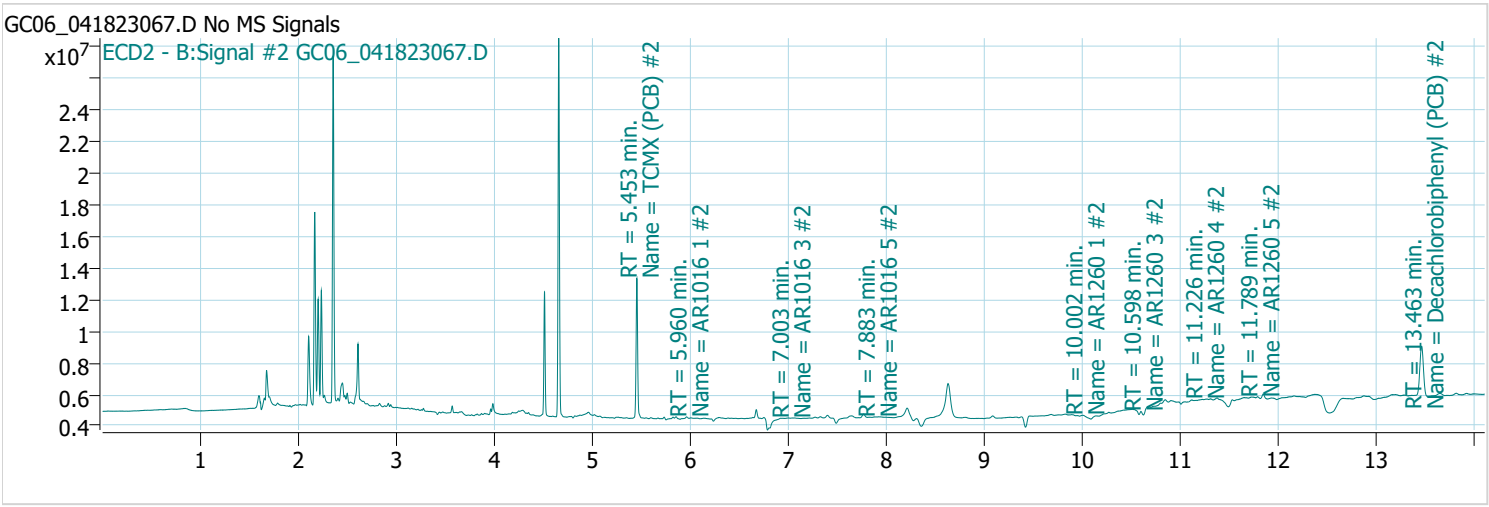
u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823067.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 4:53:38 AM
Sample Name	483449-014, 312006, 1	Instrument	SVOA-GC06
Vial	37	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



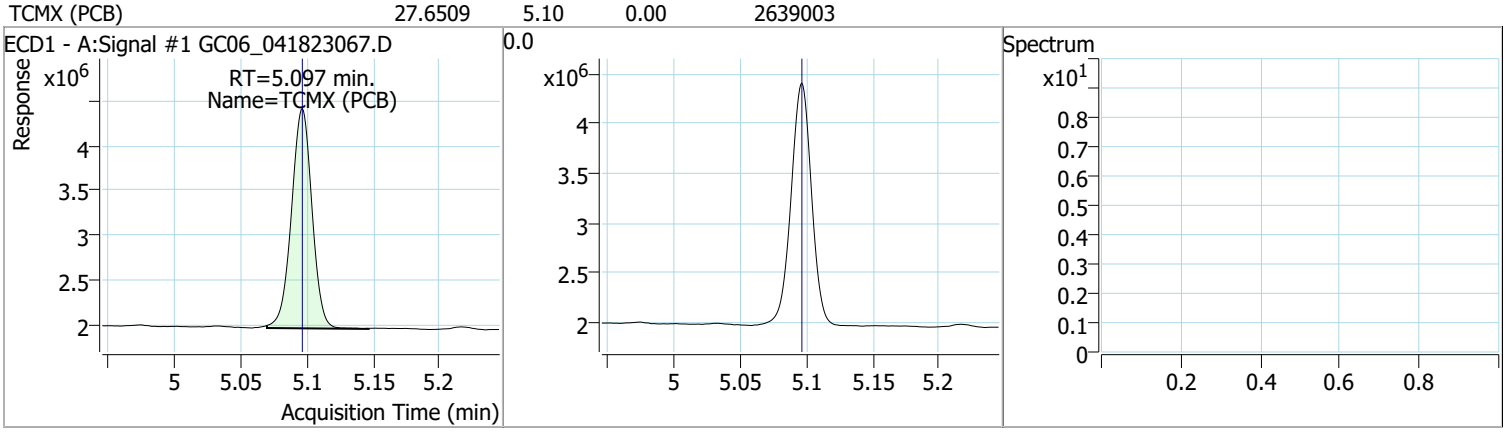


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	1868614.407	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7010374.419	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.097	0.0	2639002.748	27.6509	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.25%		
S TCMX (PCB) #2	5.453	0.0	9868043.470	28.4267	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.13%		
S Decachlorobiphenyl (PCB)	12.180	0.0	3625056.968	27.5298	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.65%		
S Decachlorobiphenyl (PCB) #2	13.463	0.0	8139742.232	20.8631	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.32%		
Target Compounds						QValue

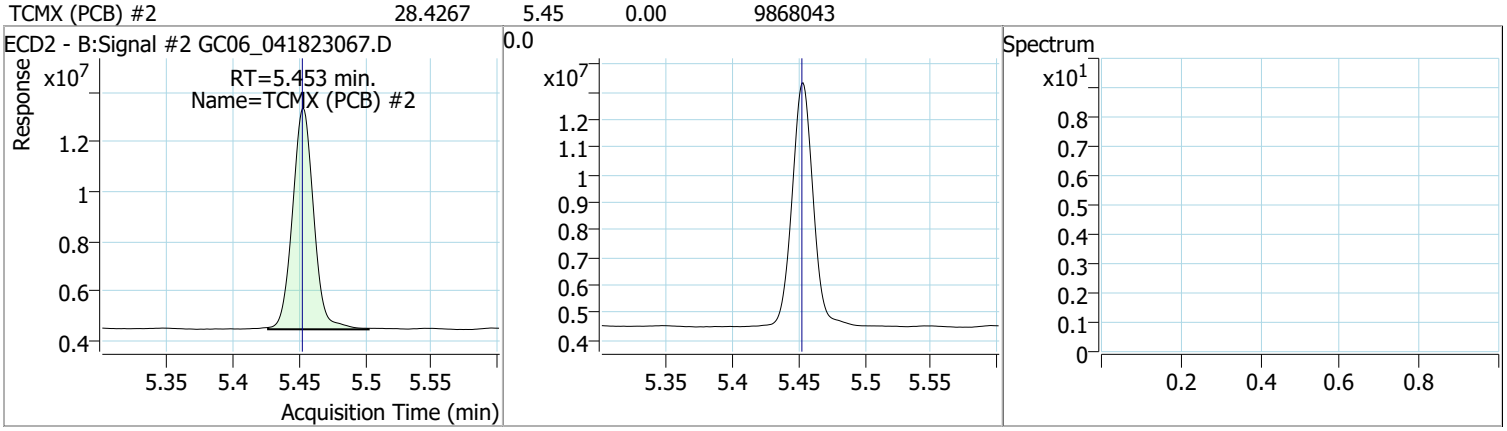
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.483	0.0	157568.024	81.0766	ng/ml	100
T AR1016 2	5.841	0.0	15679.527	3.7604	ng/ml	100
T AR1016 1 #2	5.960	0.0	328860.708	45.6381	ng/ml	100
T AR1016 3	6.300	0.0	16557.421	3.1921	ng/ml	100
T AR1016 2 #2	6.384	0.0	190963.990	12.5668	ng/ml	100
T AR1016 4	6.448	0.0	899926.812	235.9671	ng/ml	100
T AR1016 5	6.611	0.0	346942.252	155.1077	ng/ml	100
T AR1016 3 #2	7.003	0.0	4489278.152	232.8342	ng/ml	100
T AR1016 4 #2	7.146	0.0	8044.474	0.5800	ng/ml	100
T AR1016 5 #2	7.883	0.0	100927.278	8.8361	ng/ml	100
T AR1260 1	8.953	0.0	429482.123	68.9808	ng/ml	100
T AR1260 2	9.334	0.0	27519.713	2.9245	ng/ml	100
T AR1260 3	9.809	0.0	24726.737	2.6145	ng/ml	100
T AR1260 1 #2	10.002	0.0	493058.845	24.6520	ng/ml	100
T AR1260 4	0.000		0	N.D.		
T AR1260 2 #2	10.271	0.0	173369.077	7.0065	ng/ml	100
T AR1260 3 #2	10.598	0.0	255089.152	8.3724	ng/ml	100
T AR1260 5	11.001	0.0	496879.784	39.3181	ng/ml	100
T AR1260 4 #2	11.226	0.0	72840.243	4.0751	ng/ml	100
T AR1260 5 #2	11.789	0.0	191735.919	6.6069	ng/ml	100

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

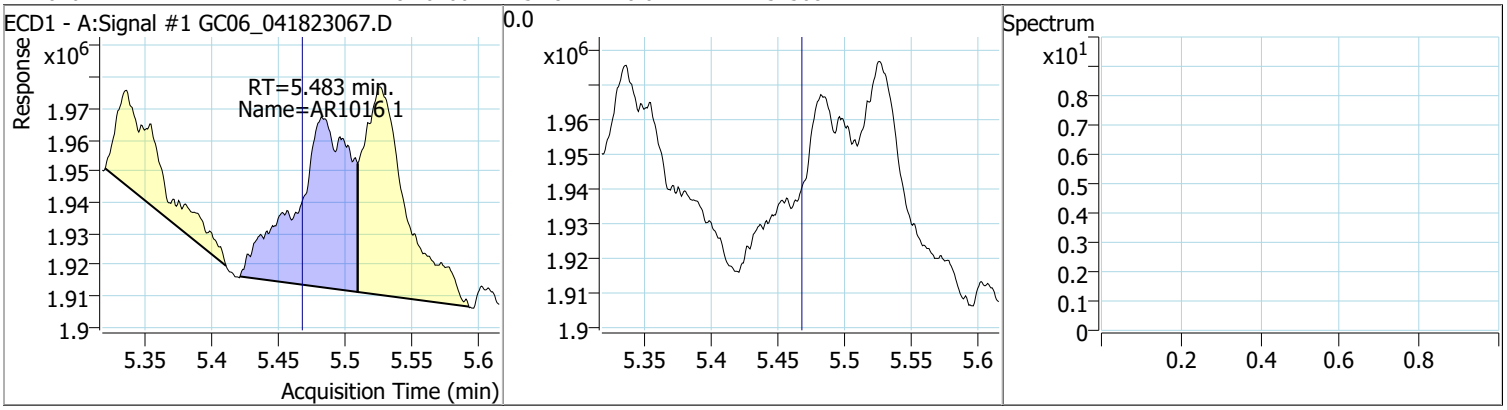
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.6509	5.10	0.00	2639003				



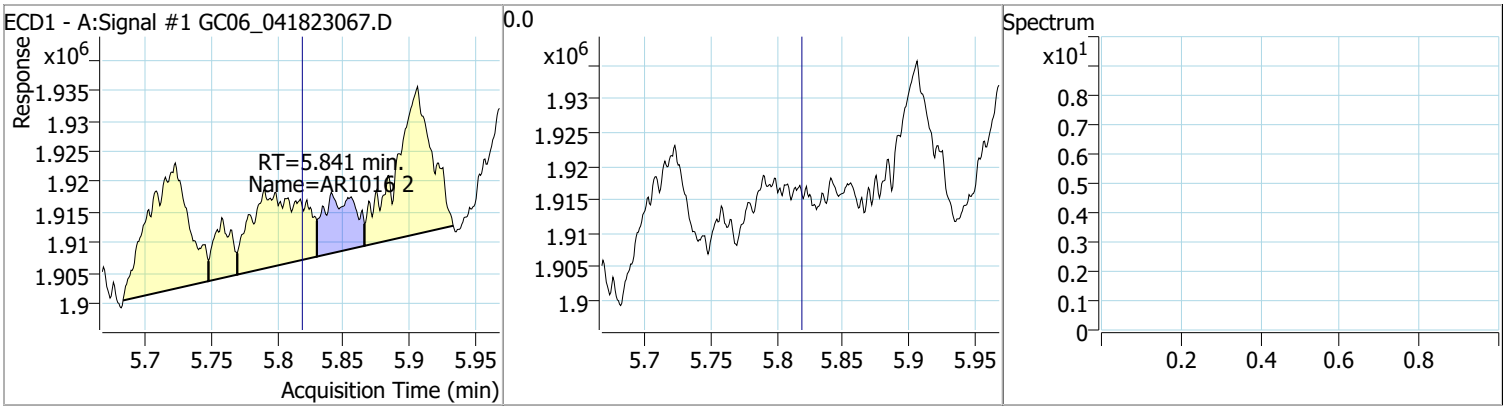
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.4267	5.45	0.00	9868043				



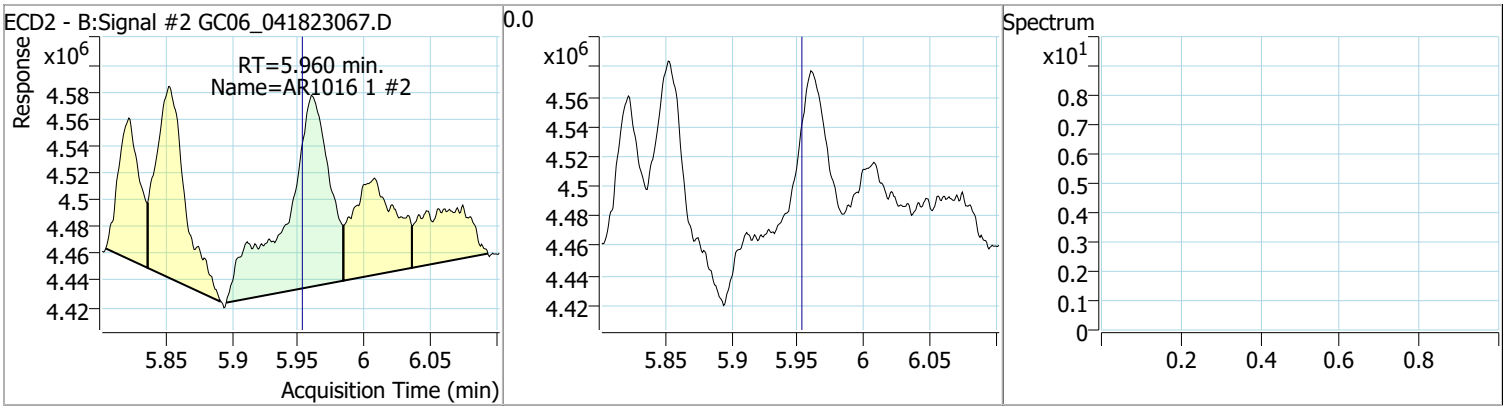
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	81.0766	5.48	0.01	157568				



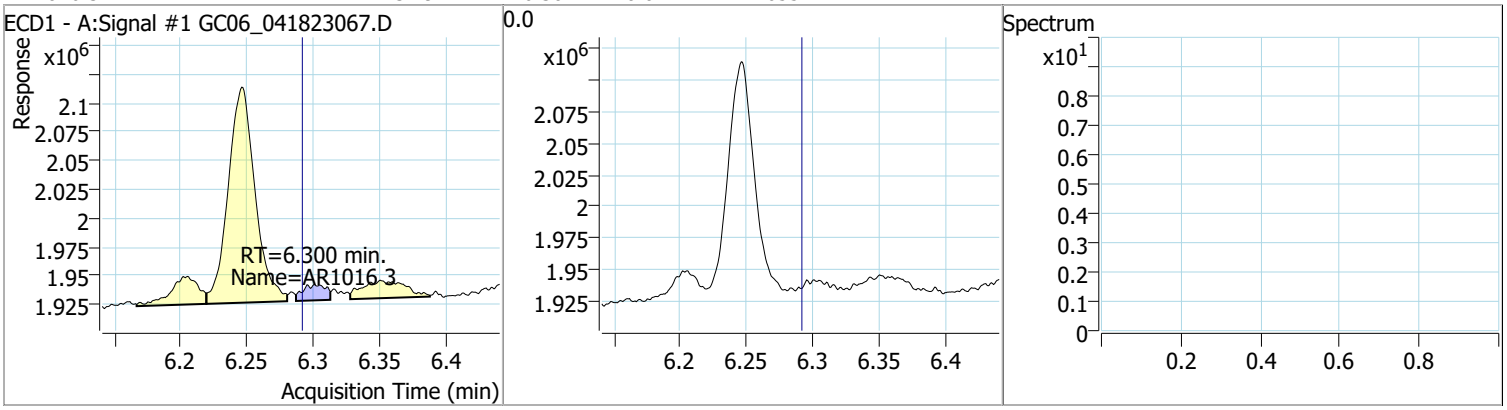
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.7604	5.84	0.02	15680				



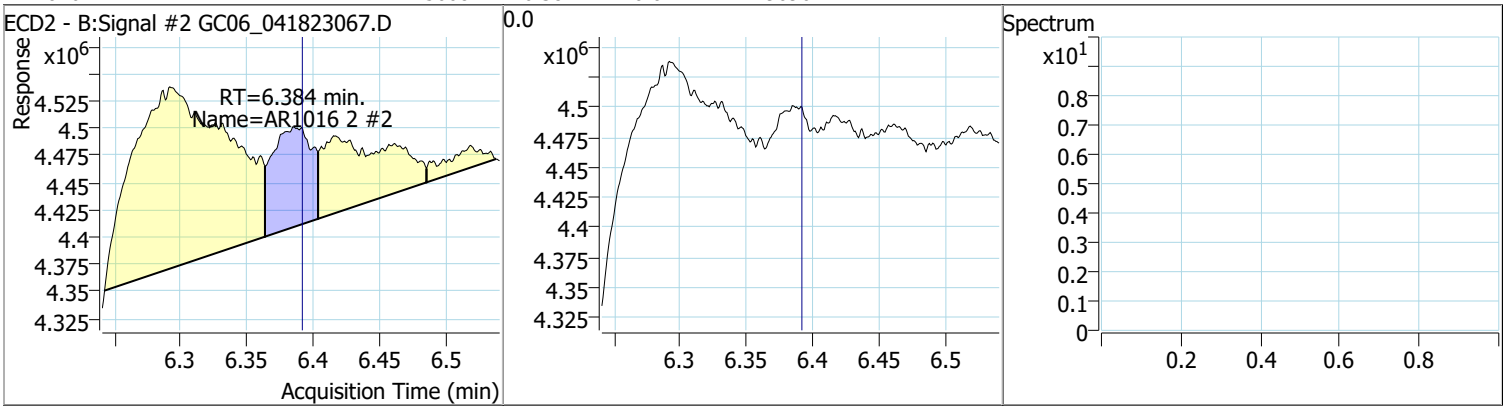
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	45.6381	5.96	0.01	328861				



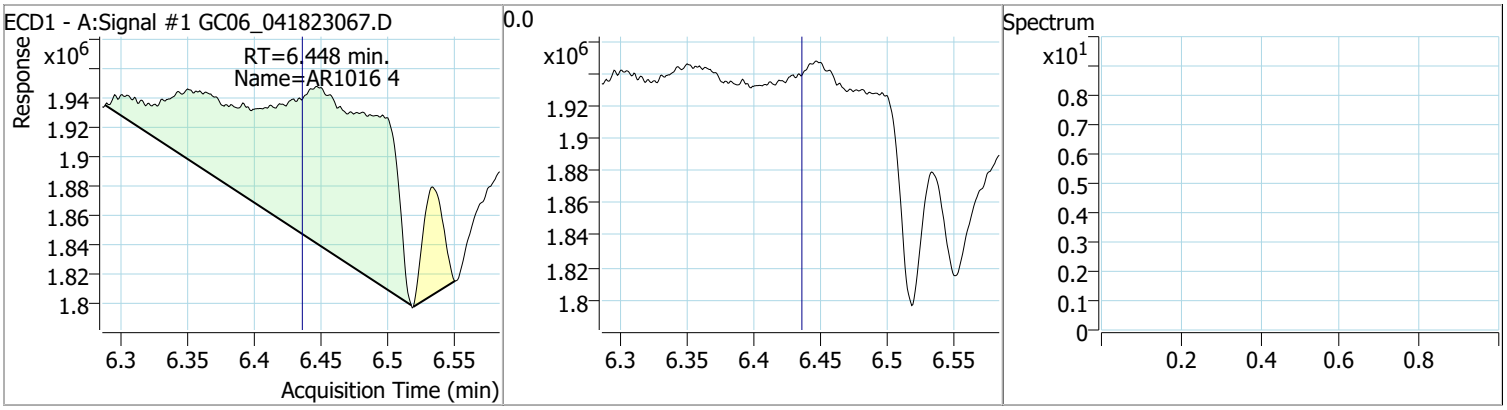
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.1921	6.30	0.01	16557				



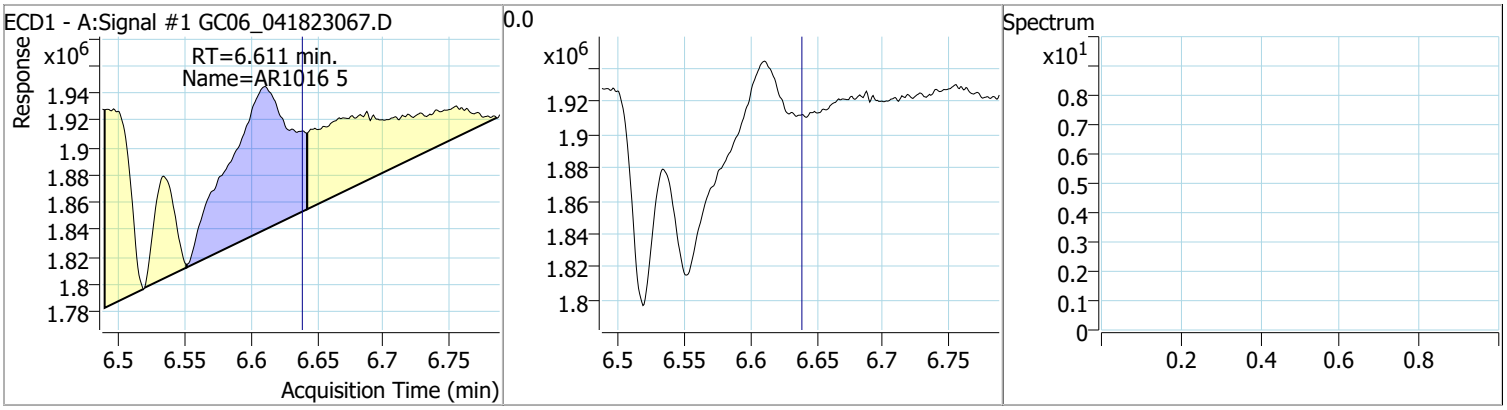
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	12.5668	6.38	-0.01	190964				



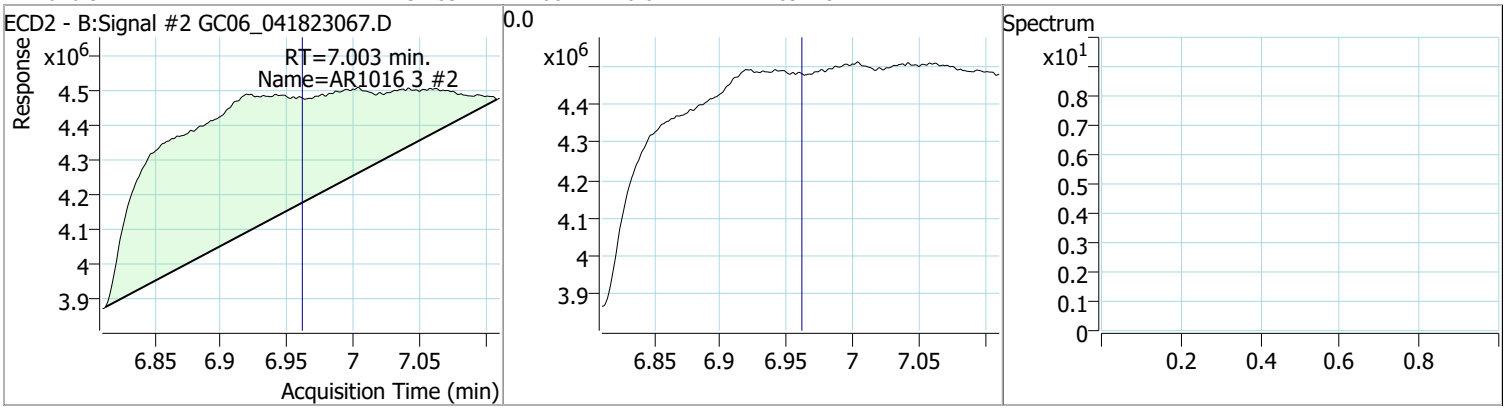
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	235.9671	6.45	0.01	899927				



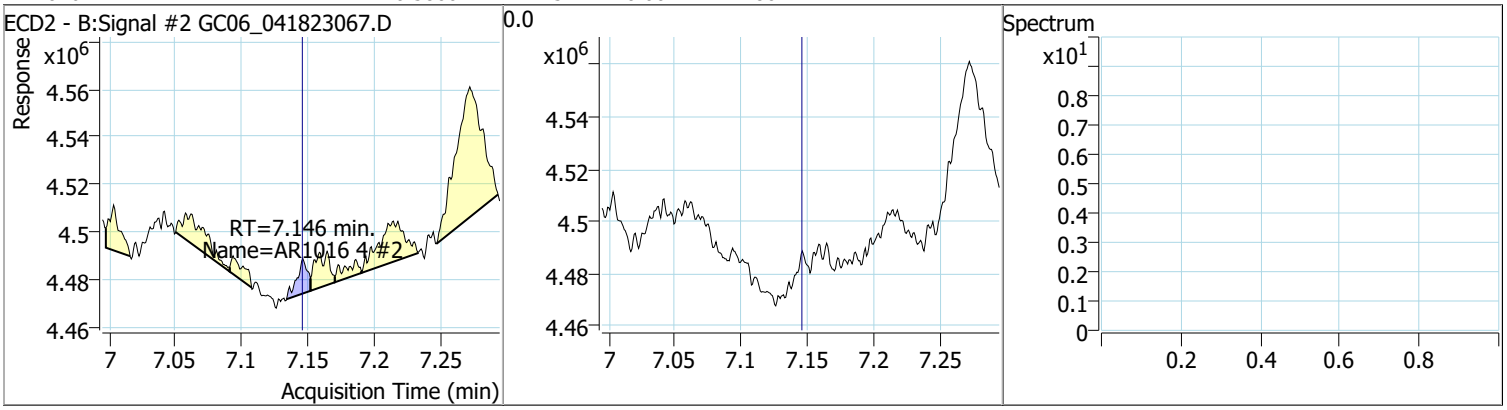
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	155.1077	6.61	-0.03	346942				



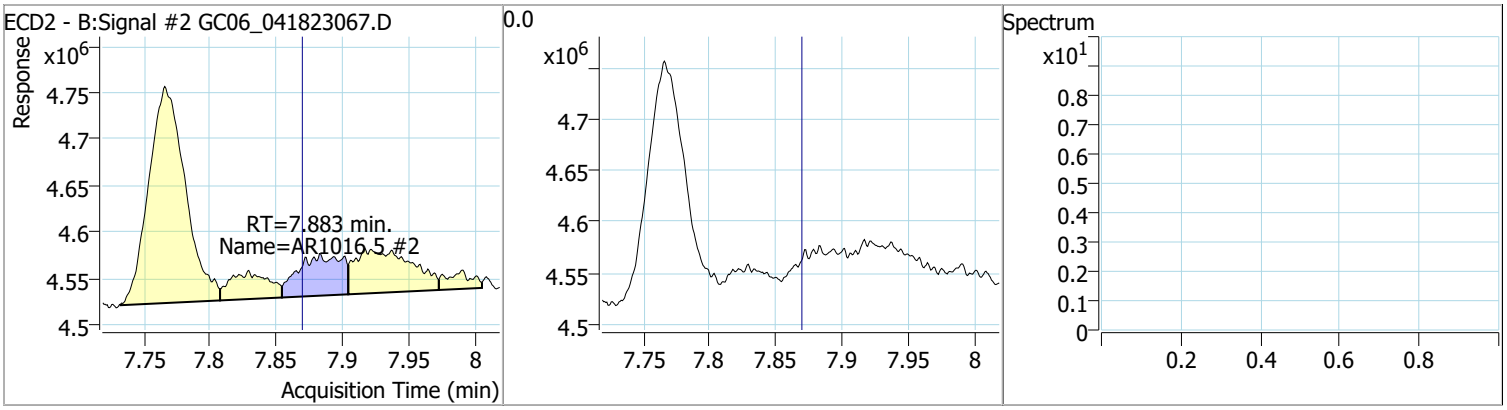
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	232.8342	7.00	0.04	4489278				



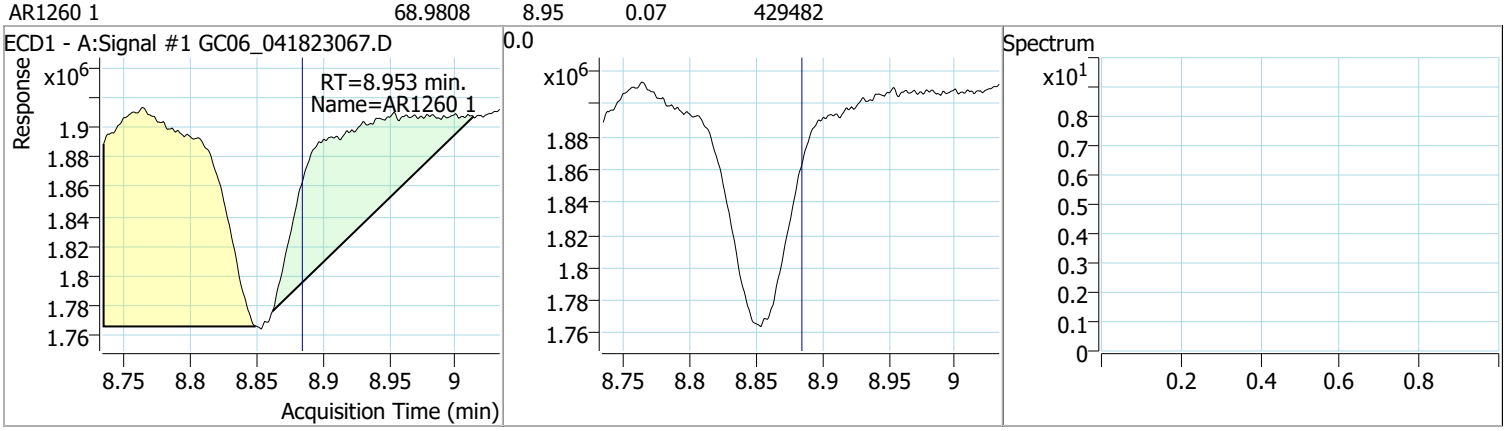
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.5800	7.15	0.00	8044				



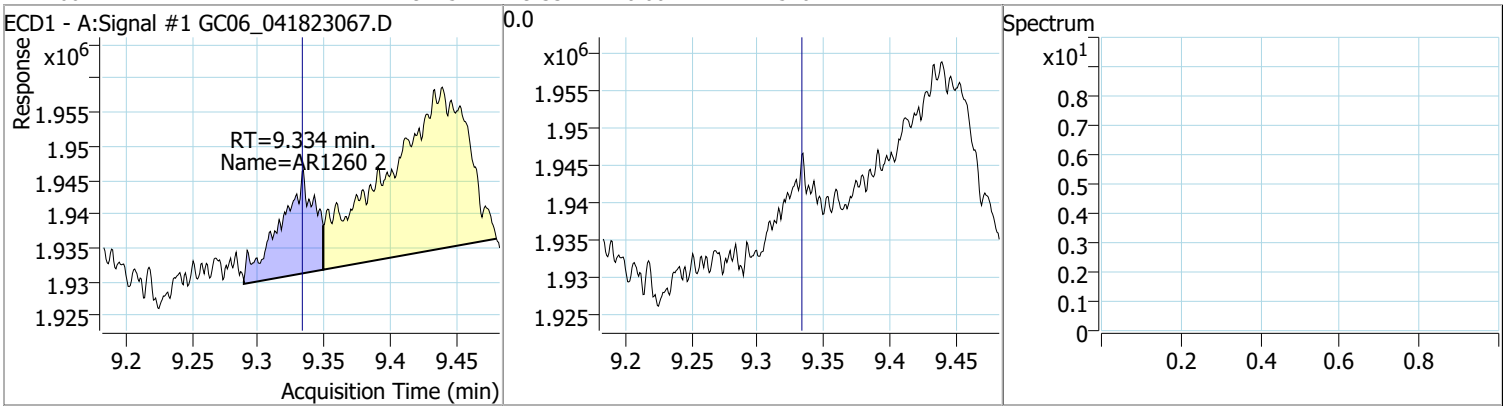
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	8.8361	7.88	0.01	100927				



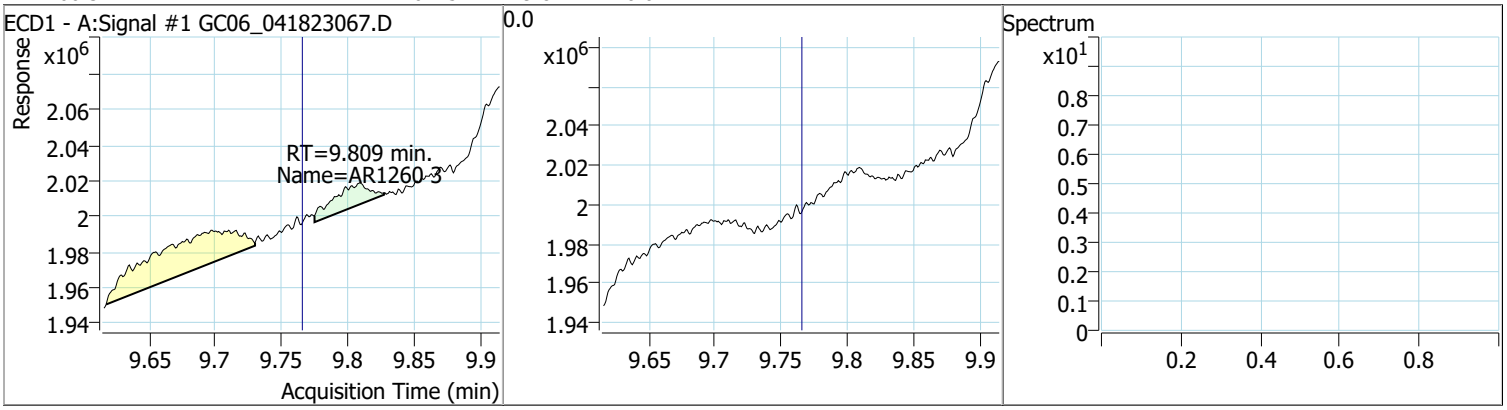
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	68.9808	8.95	0.07	429482				



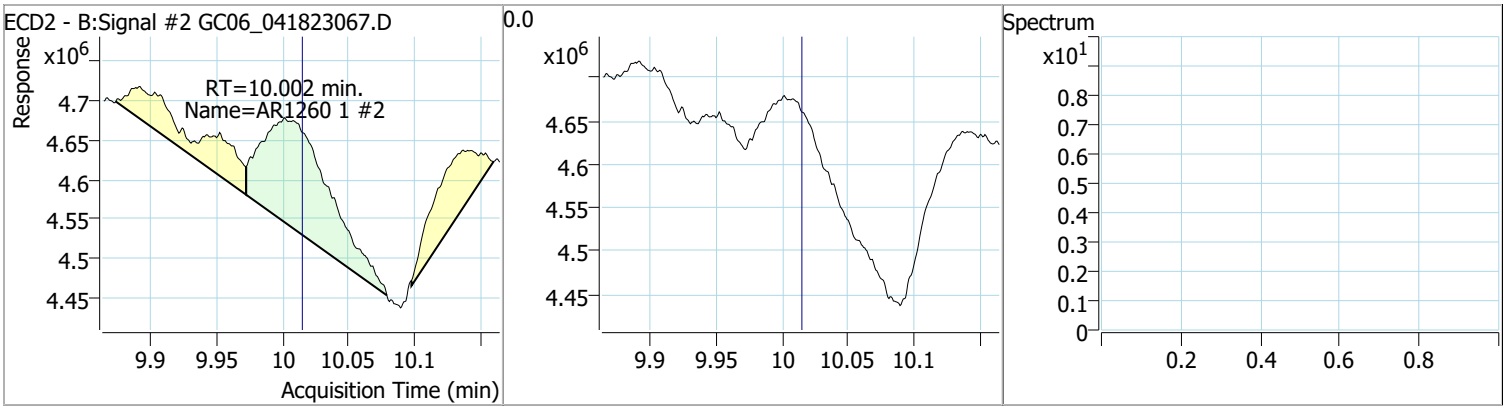
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.9245	9.33	0.00	27520				



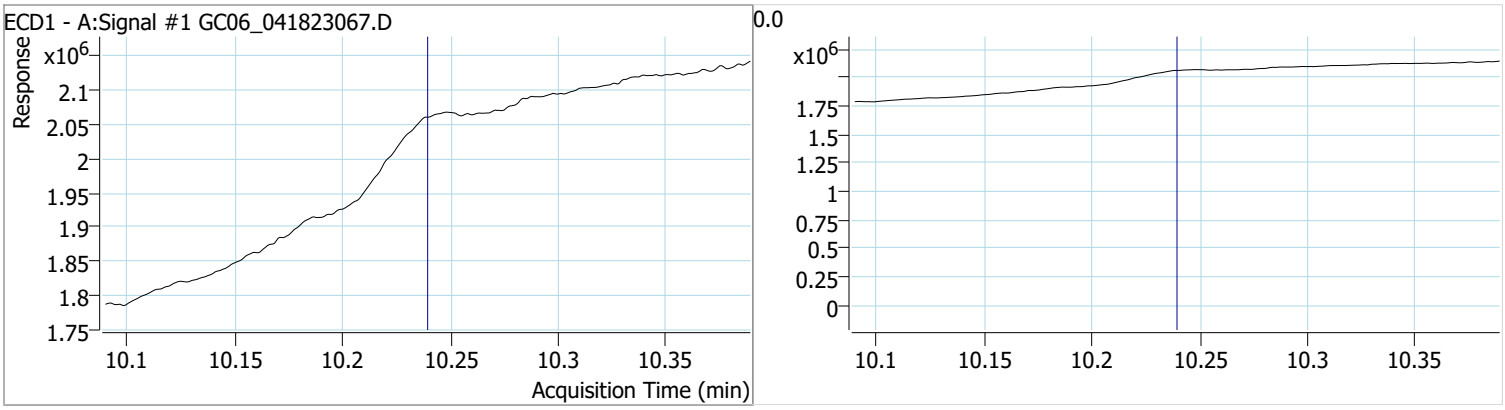
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.6145	9.81	0.04	24727				



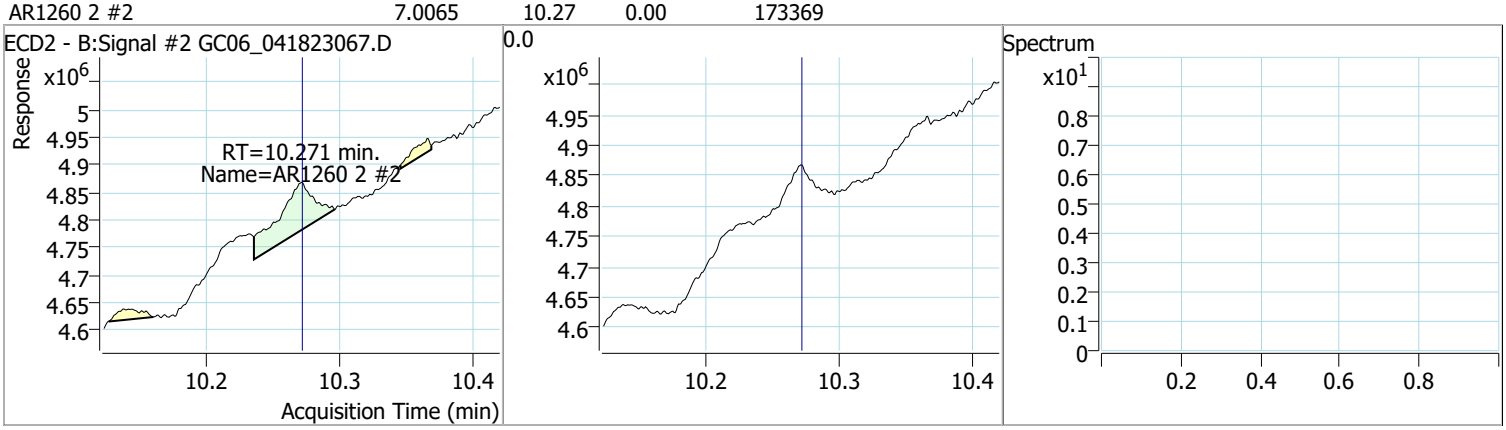
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.6520	10.00	-0.01	493059				



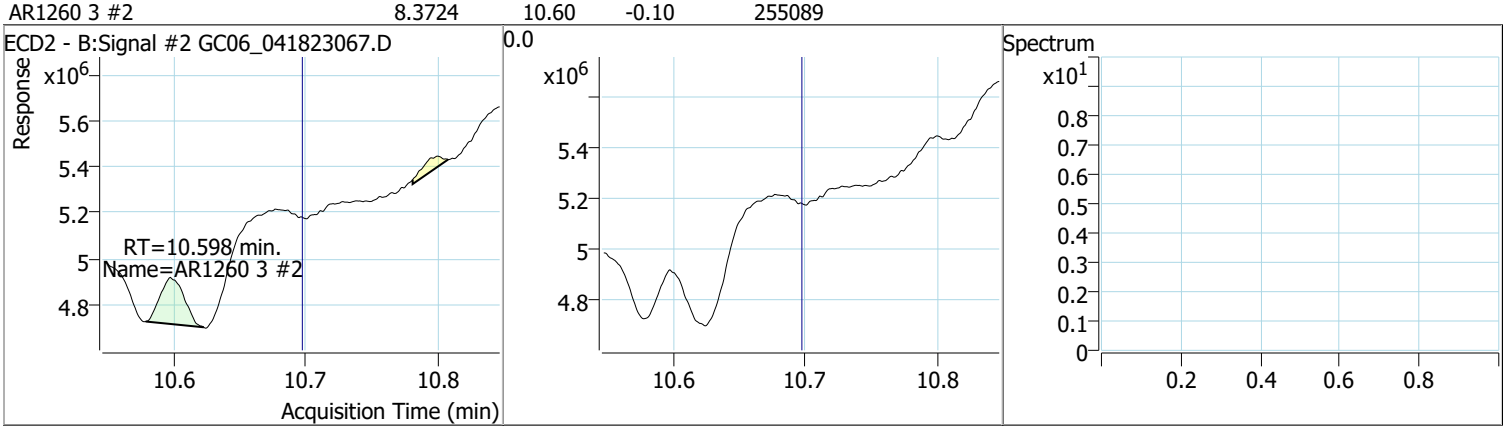
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4	N.D.	10.24		



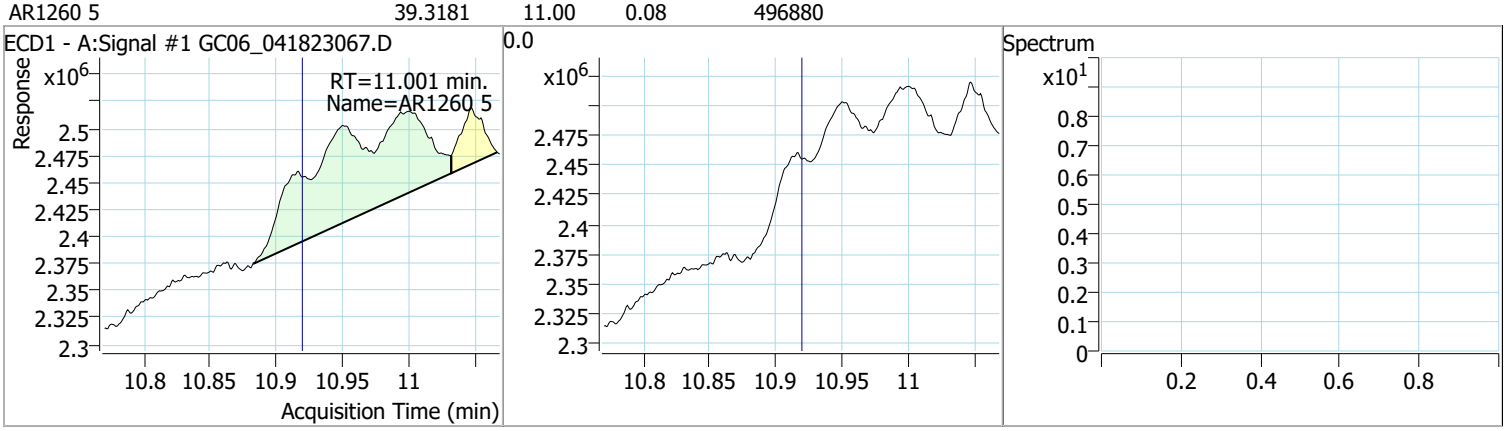
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	7.0065	10.27	0.00	173369				



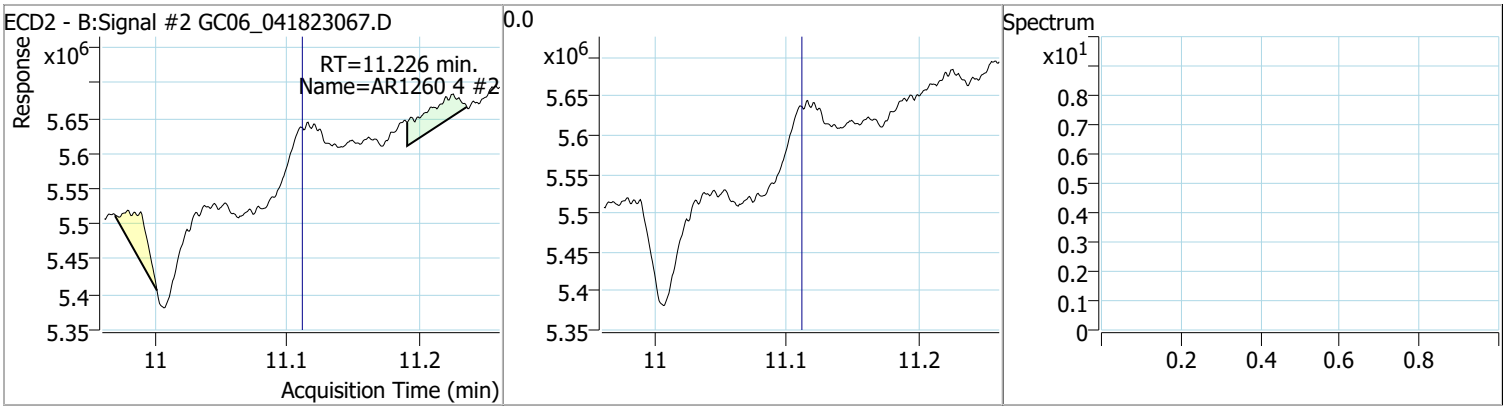
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.3724	10.60	-0.10	255089				



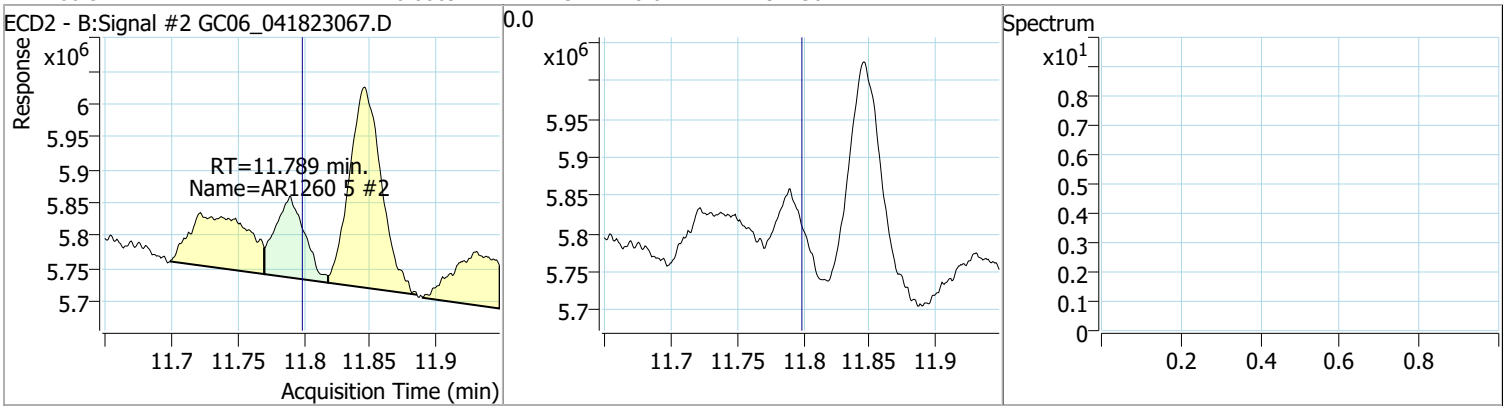
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	39.3181	11.00	0.08	496880				



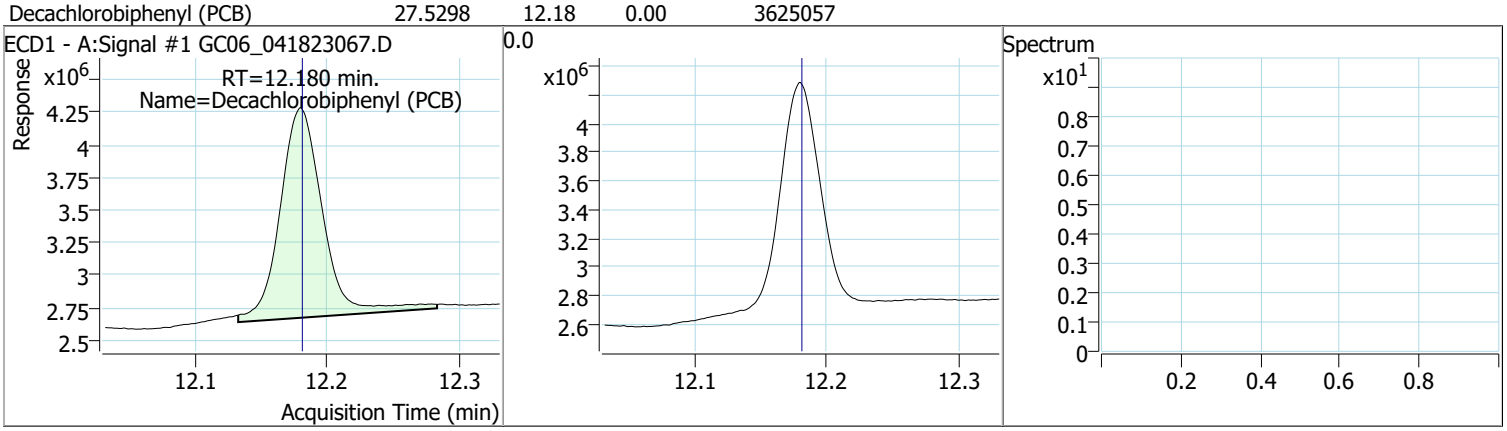
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.0751	11.23	0.11	72840				



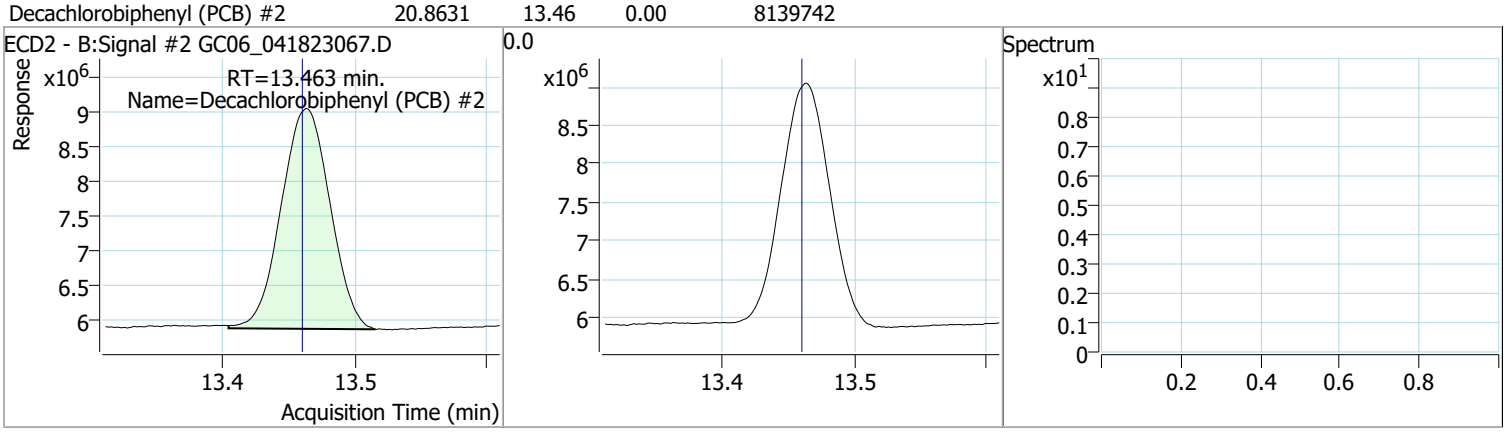
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.6069	11.79	-0.01	191736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.5298	12.18	0.00	3625057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.8631	13.46	0.00	8139742				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-016	Client ID:	AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-LA
Seqnum:	453156076068	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823068	Batch:	312006	Time:	19-APR-2023 05:11
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	45.44	ND	1.2	91%	0.50		u
Aroclor-1016 Peak # 1	B	39.12	0.39	1.78	128%			
Aroclor-1016 Peak # 2	B	16.63	0.17	0.04	129%			
Aroclor-1016 Peak # 3	B	164.7	1.65	0.73	77%			
Aroclor-1016 Peak # 4	B	1.288	0.01	2.42	198%			
Aroclor-1016 Peak # 5	B	5.494	0.05	1.09	181%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	9.879	ND	0.28	96%	0.50		u
Aroclor-1260 Peak # 1	B	14.12	0.14	1.16	156%			
Aroclor-1260 Peak # 2	B	1.644	0.02	0.08	135%			
Aroclor-1260 Peak # 3	B	11.05	0.11	ND				
Aroclor-1260 Peak # 4	B	13.84	0.14	0.04	113%			
Aroclor-1260 Peak # 5	B	8.741	0.09	0.12	34%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.07	0.5000	0.3807	76	19-121	u
Decachlorobiphenyl (PCB)	B	30.17	0.5000	0.3017	60	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	6930484	-41.25
1-bromo-2-nitrobenzene (PCB)	A	3171036	1831061	-42.26

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

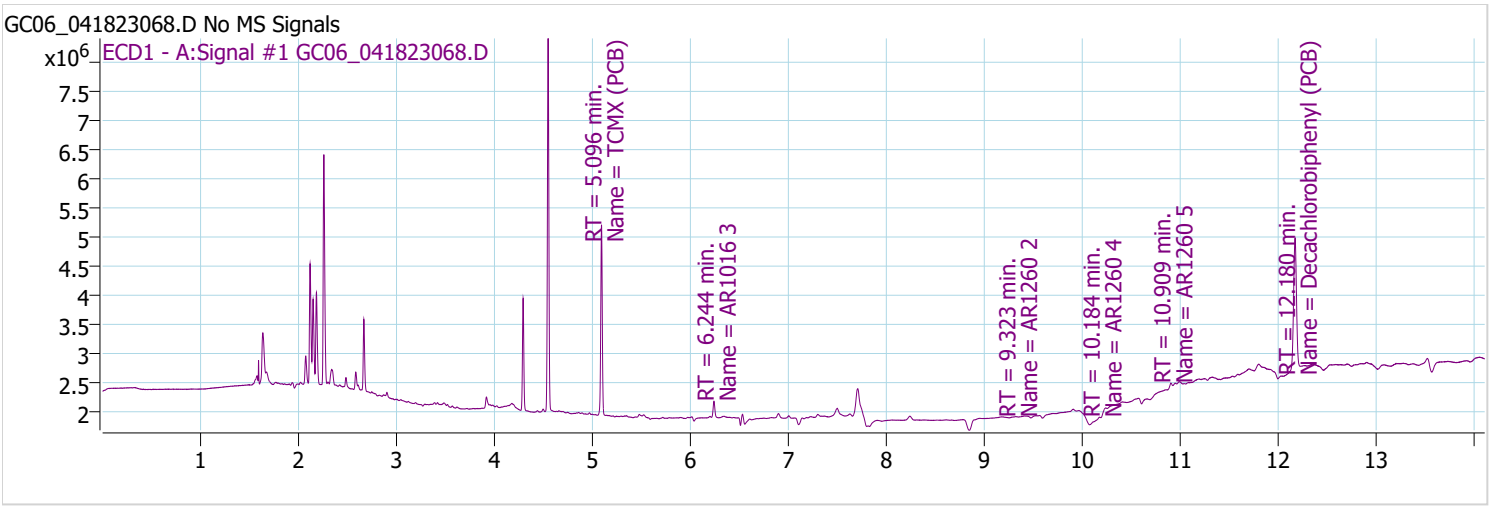
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

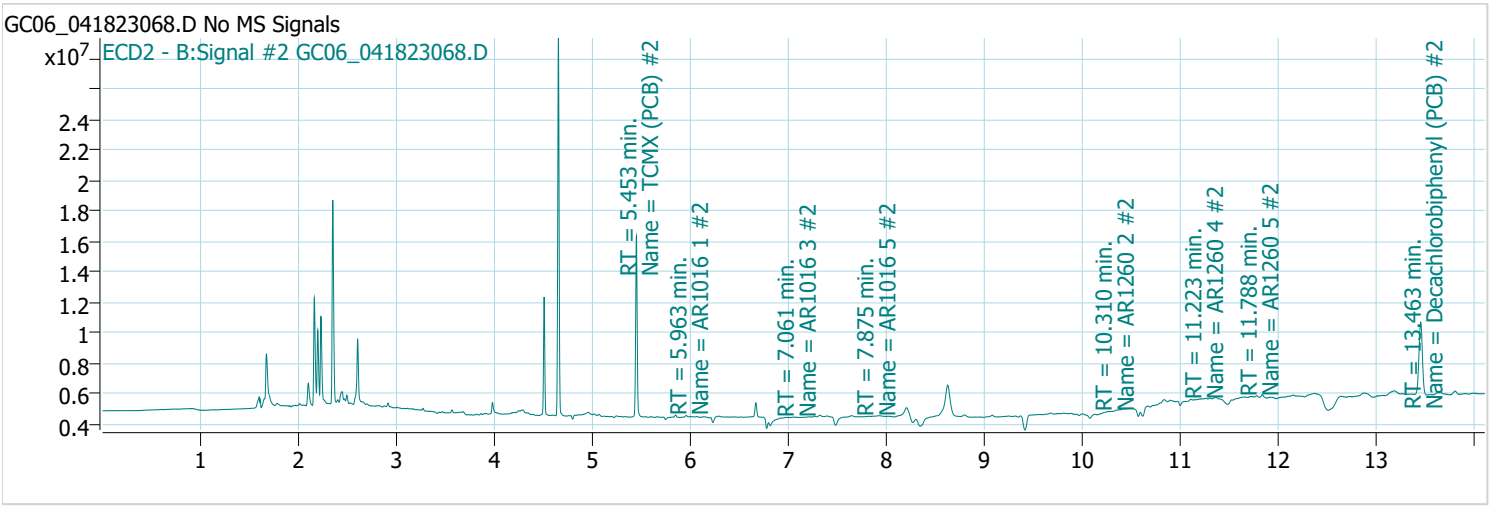
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Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823068.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 5:11:54 AM
Sample Name	483449-016, 312006, 1	Instrument	SVOA-GC06
Vial	38	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



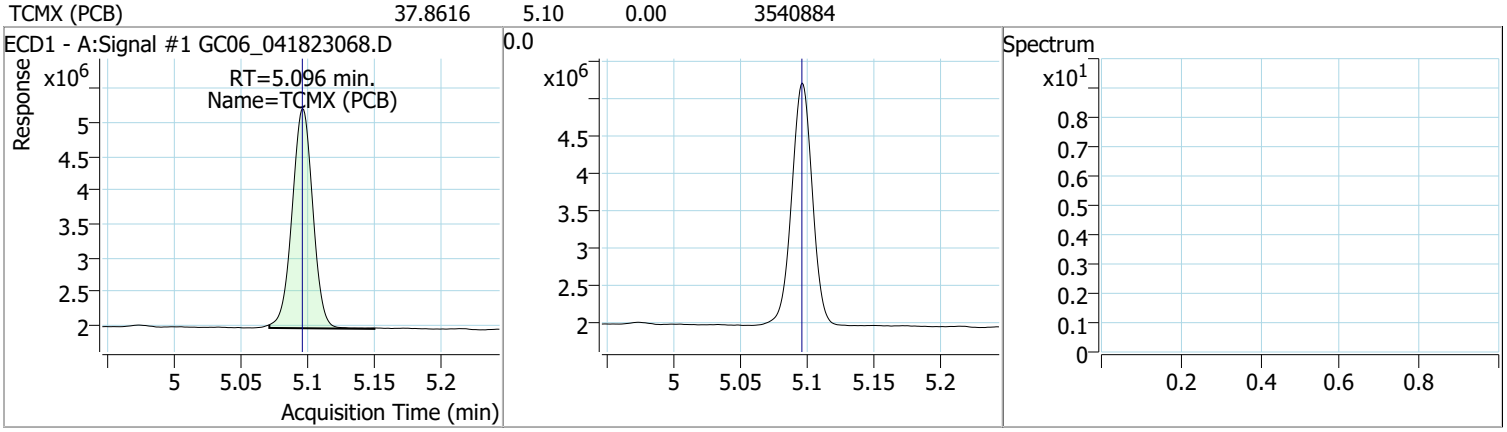


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.295	0.0	1831061.367	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	6930483.767	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	3540883.847	37.8616	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.31%		*	
S TCMX (PCB) #2	5.453	0.0	13066578.184	38.0746	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.37%		*	
S Decachlorobiphenyl (PCB)	12.180	0.0	4952700.124	38.3837	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.92%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	11637769.022	30.1729	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.86%		*	
Target Compounds							QValue

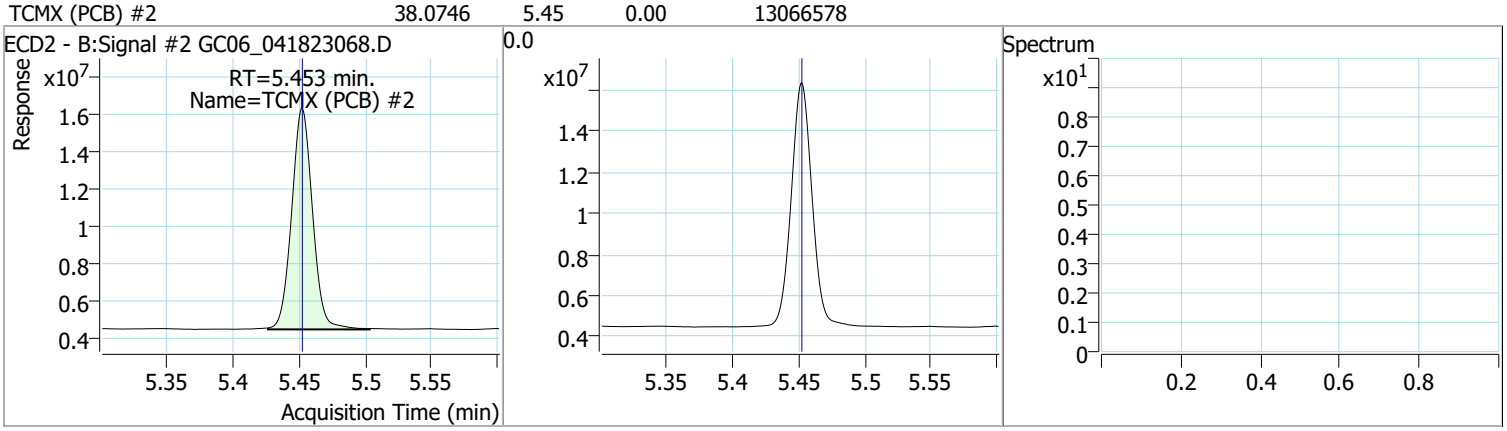
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.481	0.0	339616.134	178.3334	ng/ml	100
T AR1016 2	5.829	0.0	14544.892	3.5598	ng/ml	100
T AR1016 1 #2	5.963	0.0	278659.650	39.1171	ng/ml	100
T AR1016 3	6.244	0.0	370136.507	72.8218	ng/ml	100
T AR1016 2 #2	6.380	0.0	249830.185	16.6301	ng/ml	100
T AR1016 4	6.348	0.0	903390.727	241.7334	ng/ml	100
T AR1016 5	6.537	0.0	239322.429	109.1883	ng/ml	100
T AR1016 3 #2	7.061	0.0	3138720.929	164.6648	ng/ml	100
T AR1016 4 #2	7.103	0.0	17661.739	1.2880	ng/ml	100
T AR1016 5 #2	7.875	0.0	62043.099	5.4944	ng/ml	100
T AR1260 1	8.957	0.0	704685.965	115.5036	ng/ml	100
T AR1260 2	9.323	0.0	77935.084	8.4520	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	10.133	0.0	279226.710	14.1217	ng/ml	100
T AR1260 4	10.184	0.0	22200.902	3.8706	ng/ml	100
T AR1260 2 #2	10.310	0.0	40212.681	1.6439	ng/ml	100
T AR1260 3 #2	10.600	0.0	332921.704	11.0530	ng/ml	100
T AR1260 5	10.909	0.0	153149.261	12.3673	ng/ml	100
T AR1260 4 #2	11.223	0.0	244529.829	13.8380	ng/ml	100
T AR1260 5 #2	11.788	0.0	250792.726	8.7415	ng/ml	100

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

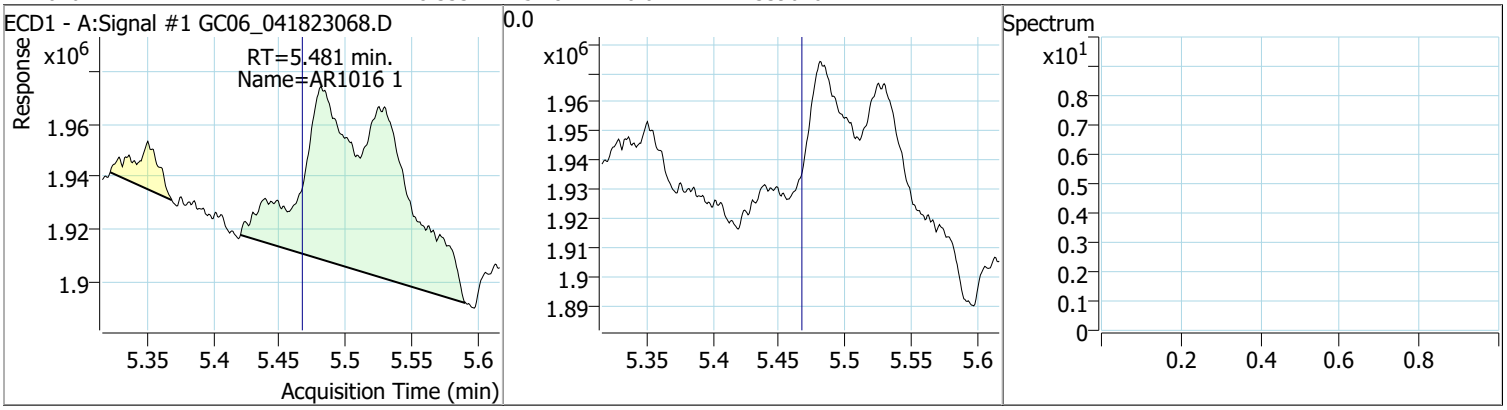
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.8616	5.10	0.00	3540884				



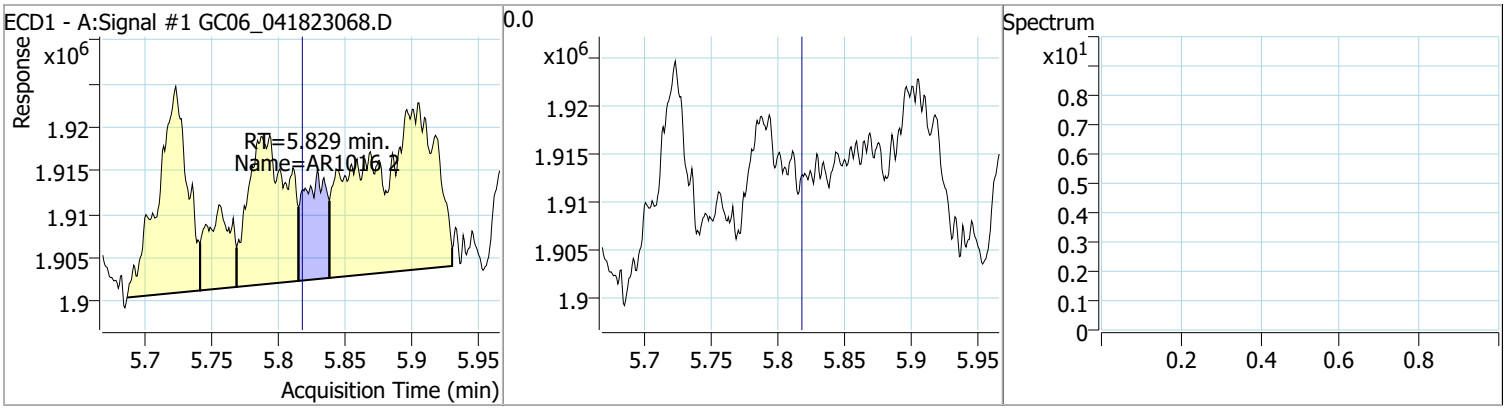
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.0746	5.45	0.00	13066578				



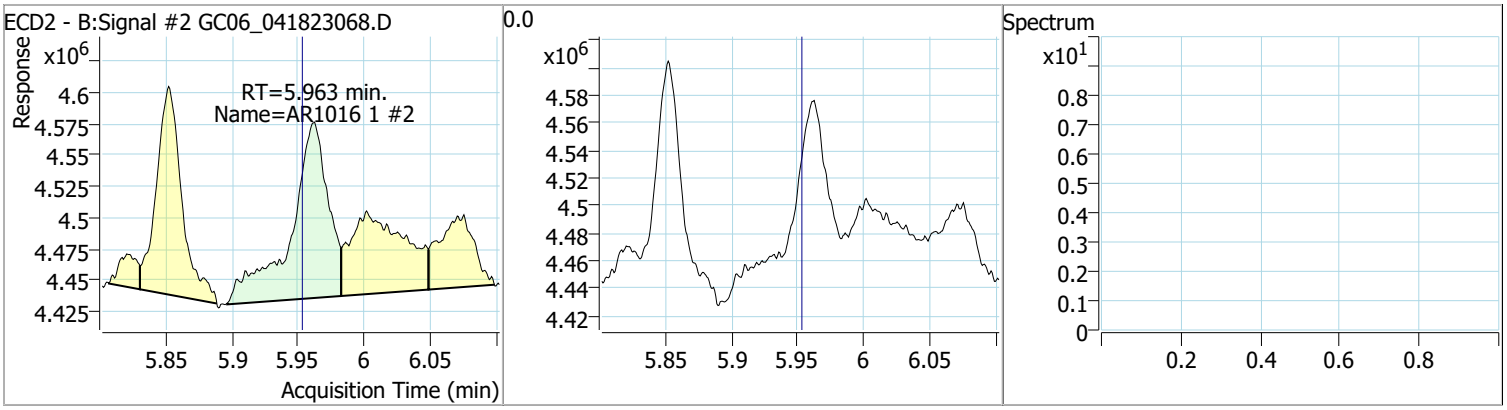
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	178.3334	5.48	0.01	339616				



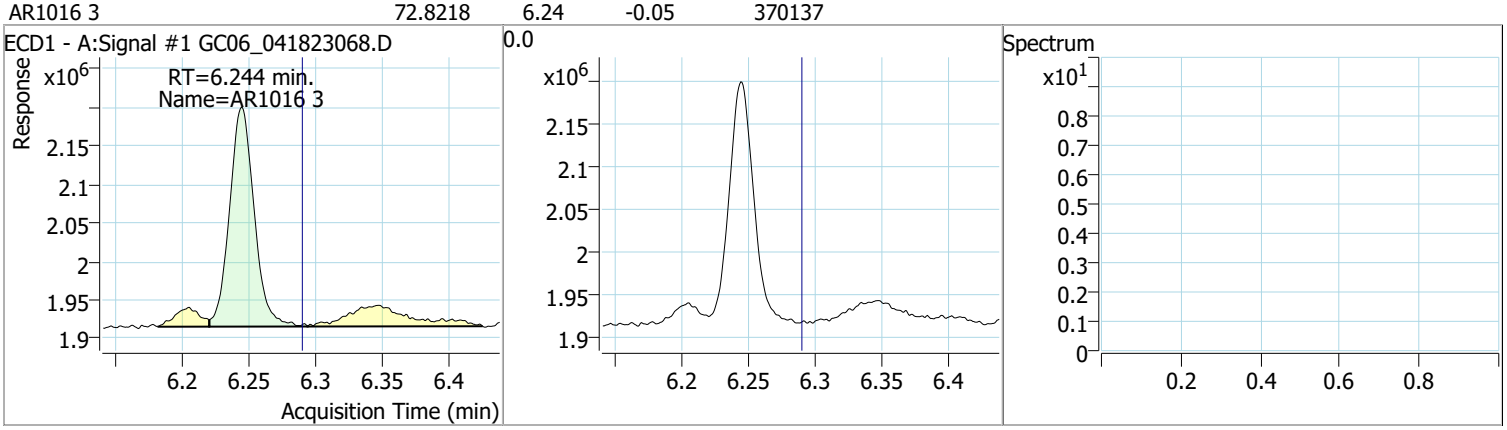
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.5598	5.83	0.01	14545				



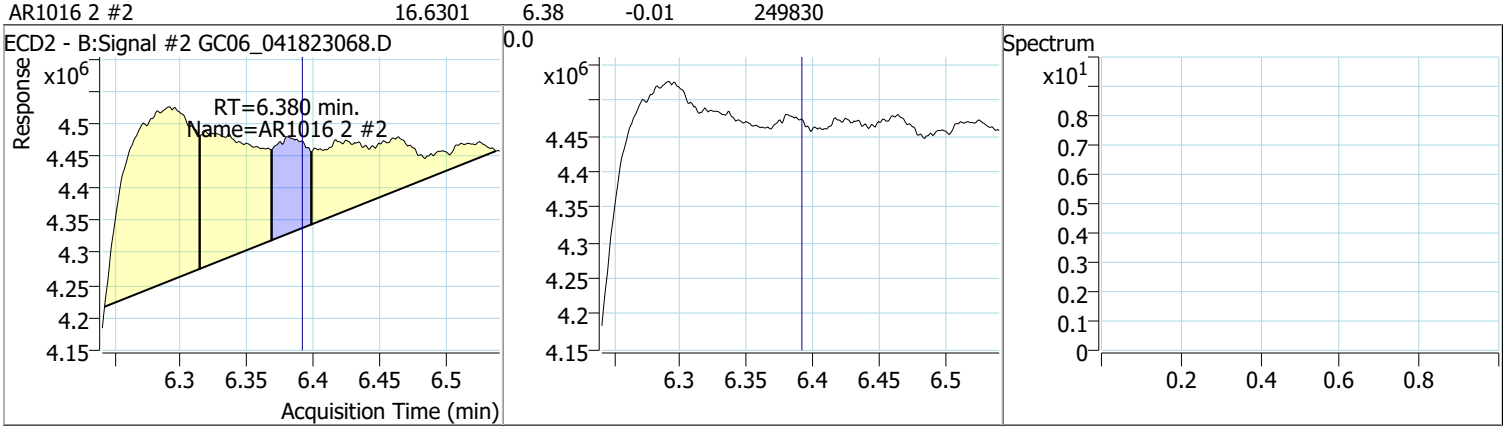
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	39.1171	5.96	0.01	278660				



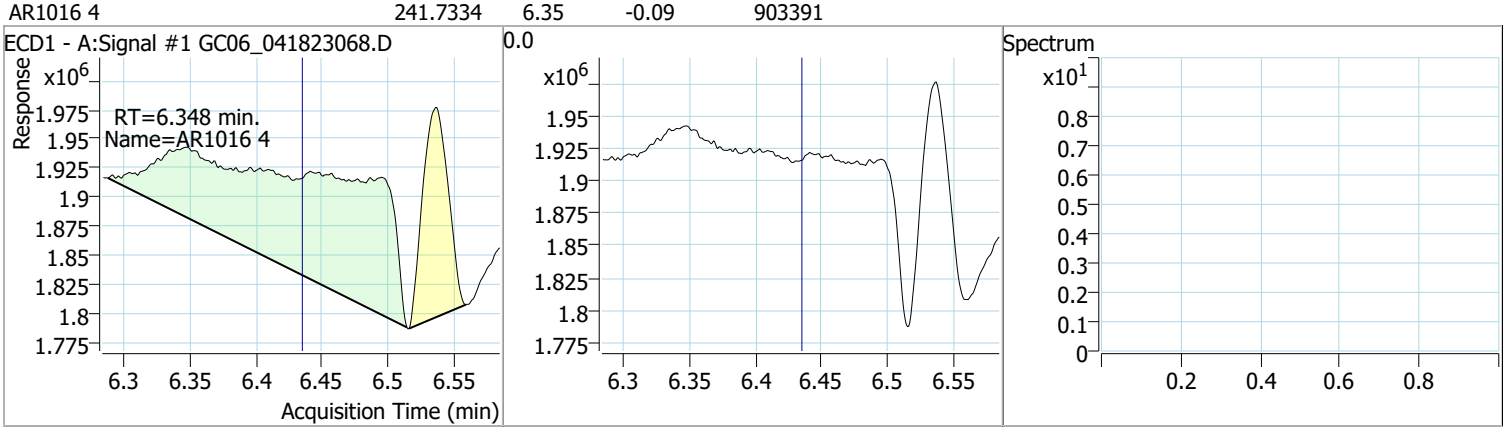
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	72.8218	6.24	-0.05	370137				



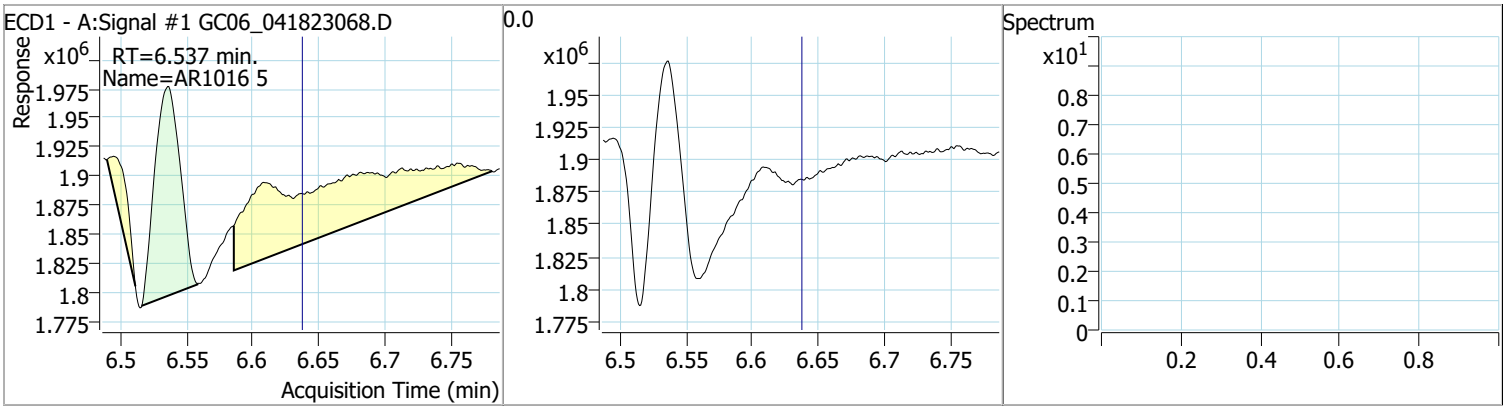
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.6301	6.38	-0.01	249830				



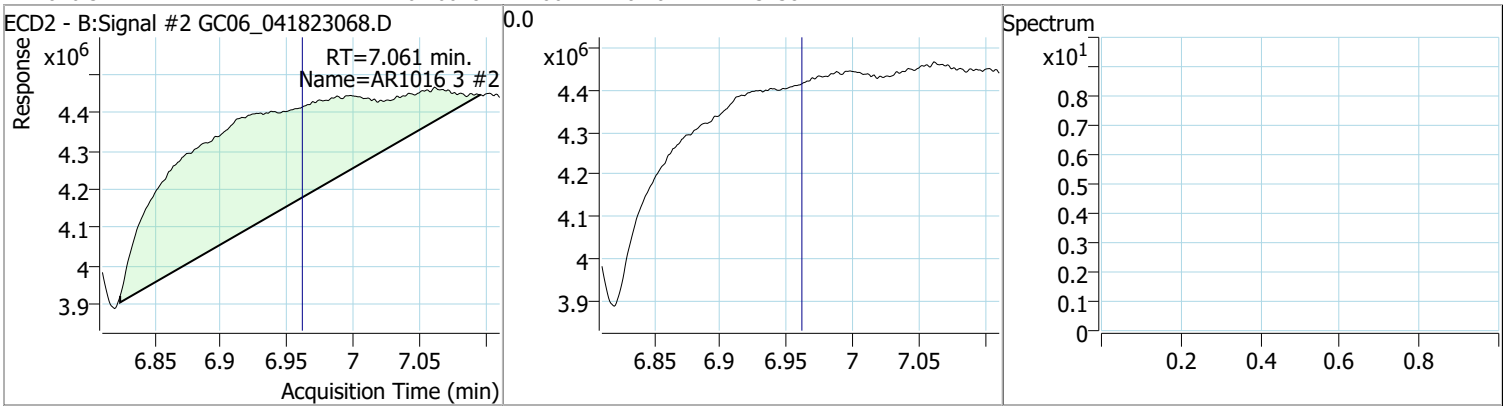
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	241.7334	6.35	-0.09	903391				



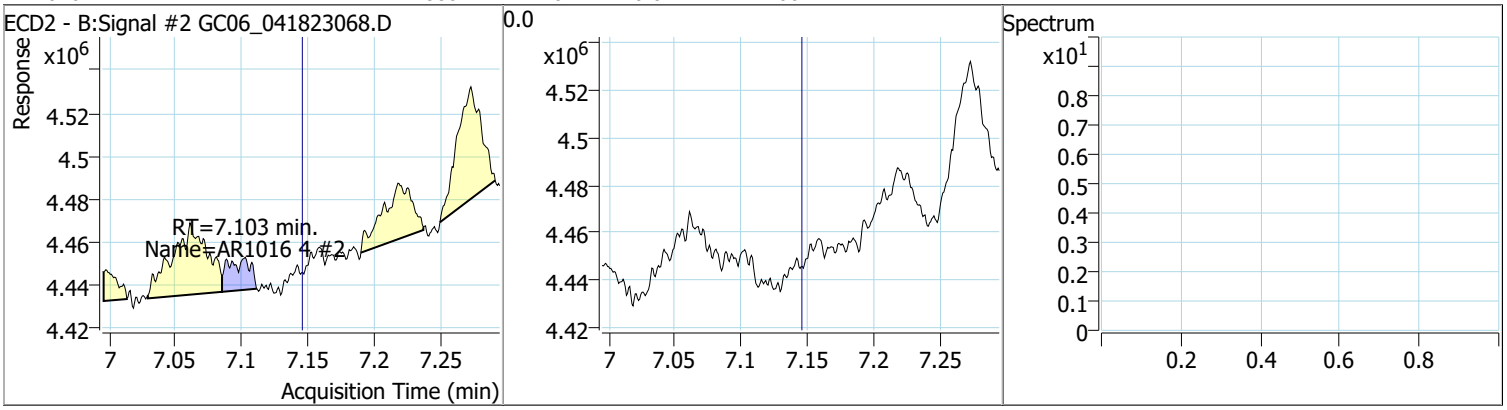
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	109.1883	6.54	-0.10	239322				



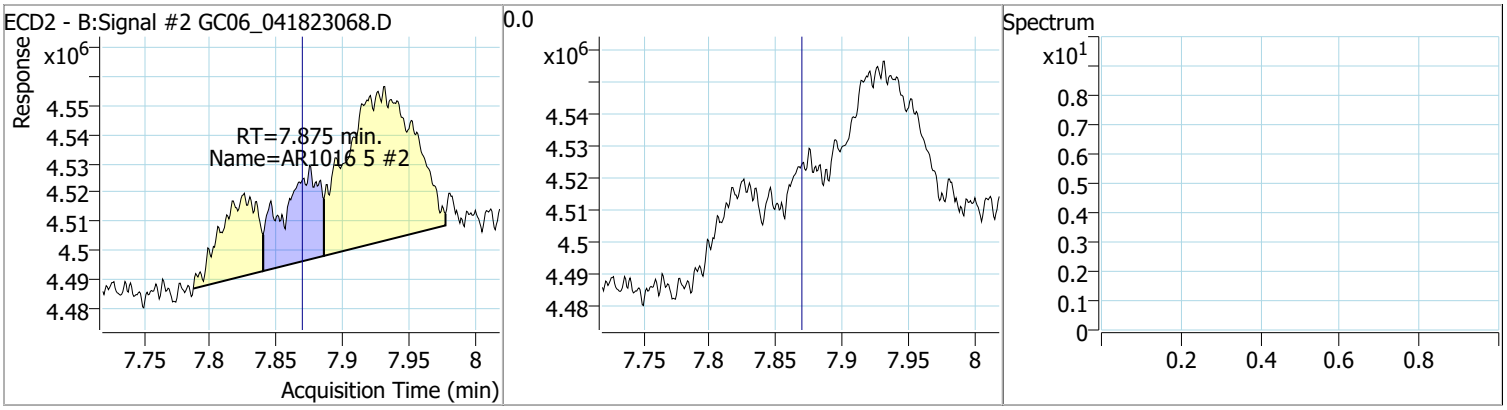
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	164.6648	7.06	0.10	3138721				



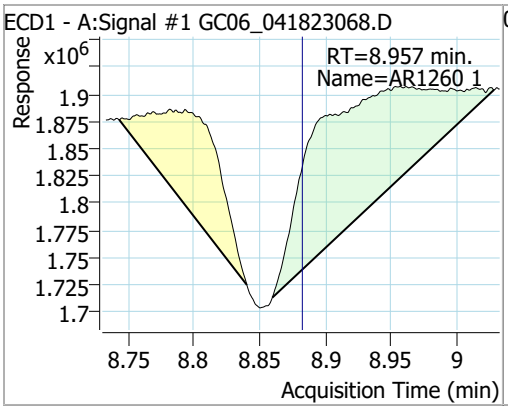
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.2880	7.10	-0.04	17662				

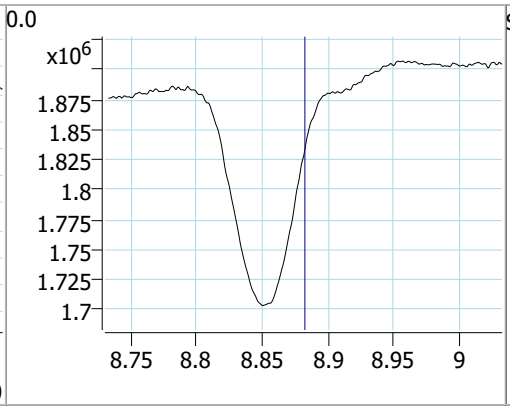


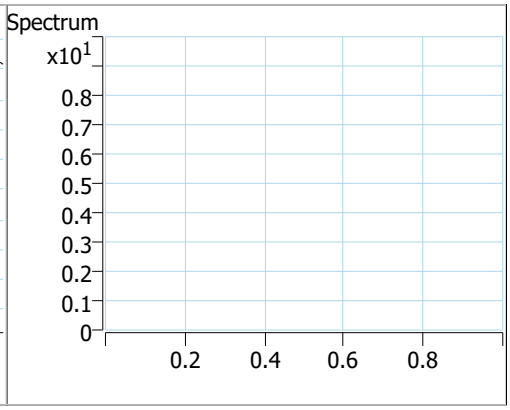
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.4944	7.88	0.01	62043				



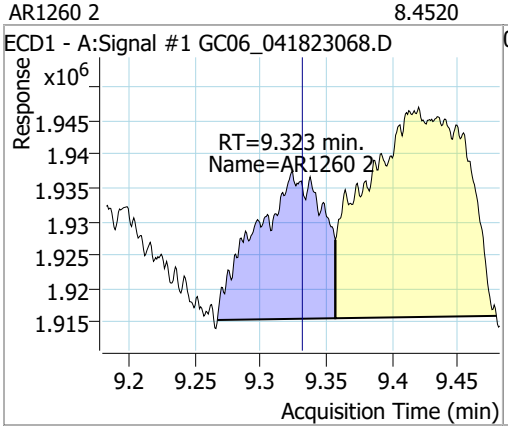
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	115.5036	8.96	0.07	704686				

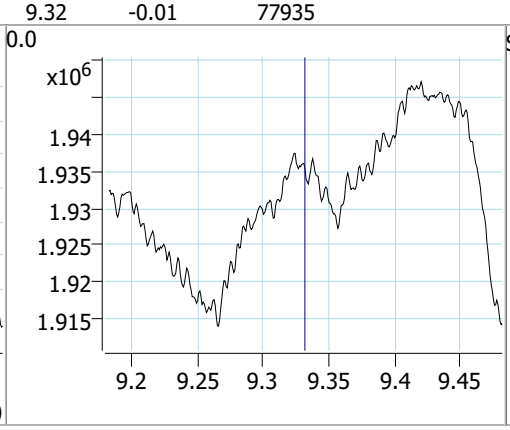


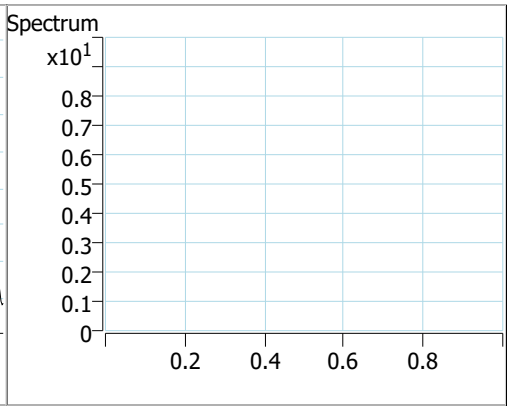




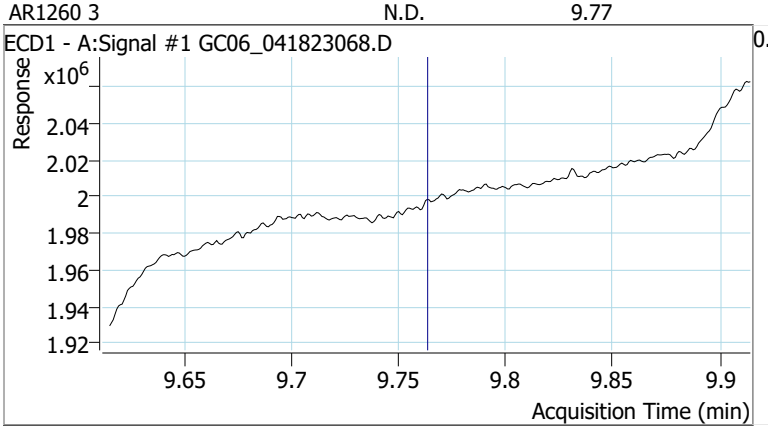
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.4520	9.32	-0.01	77935				

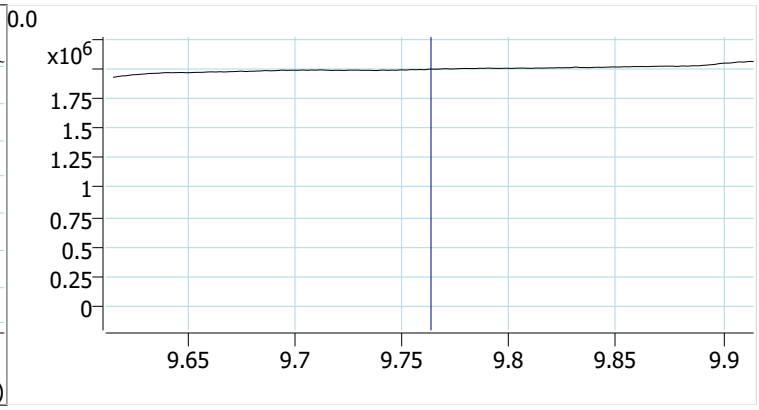




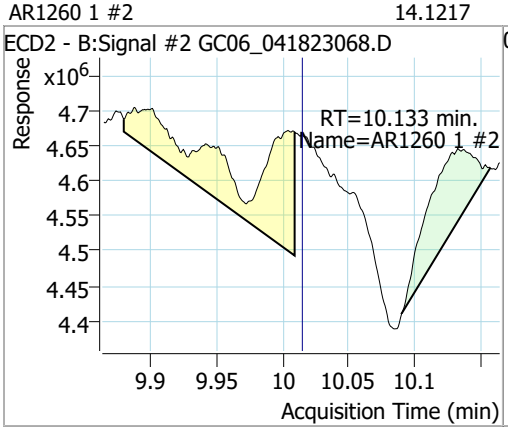


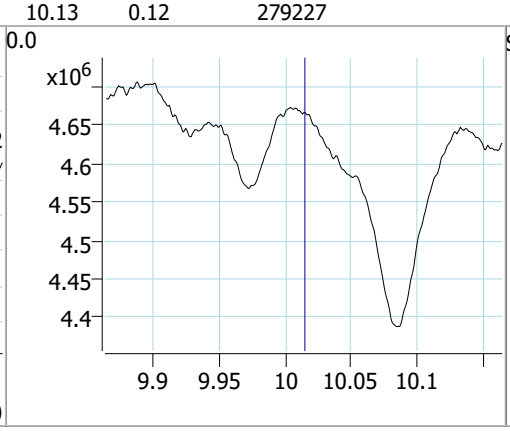
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.77		

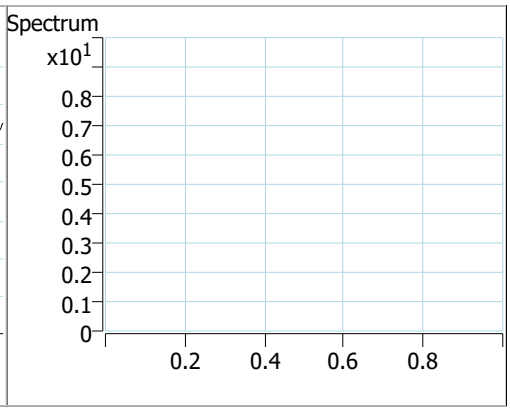




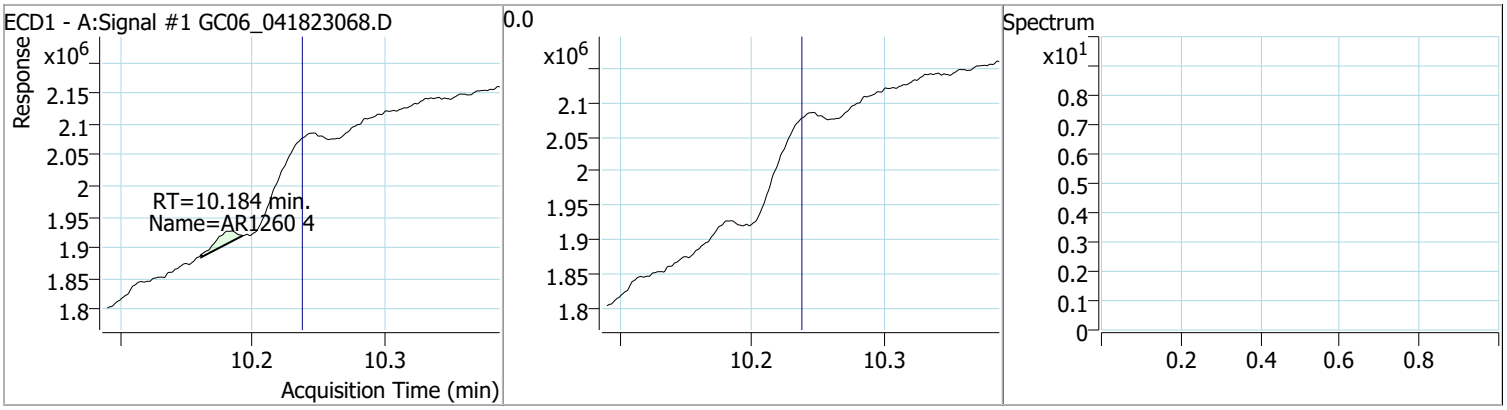
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	14.1217	10.13	0.12	279227				



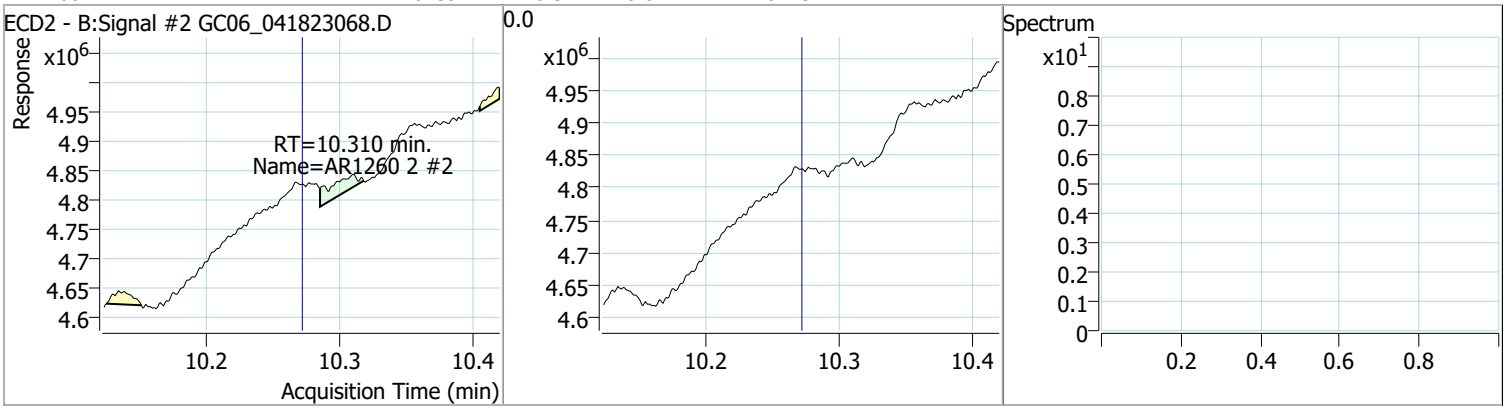




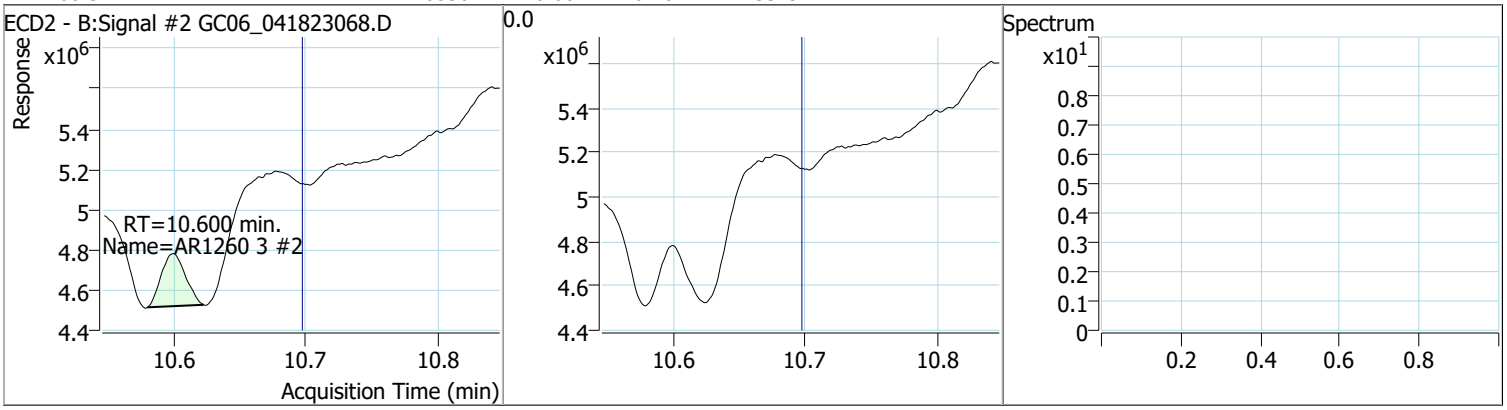
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	3.8706	10.18	-0.06	22201				



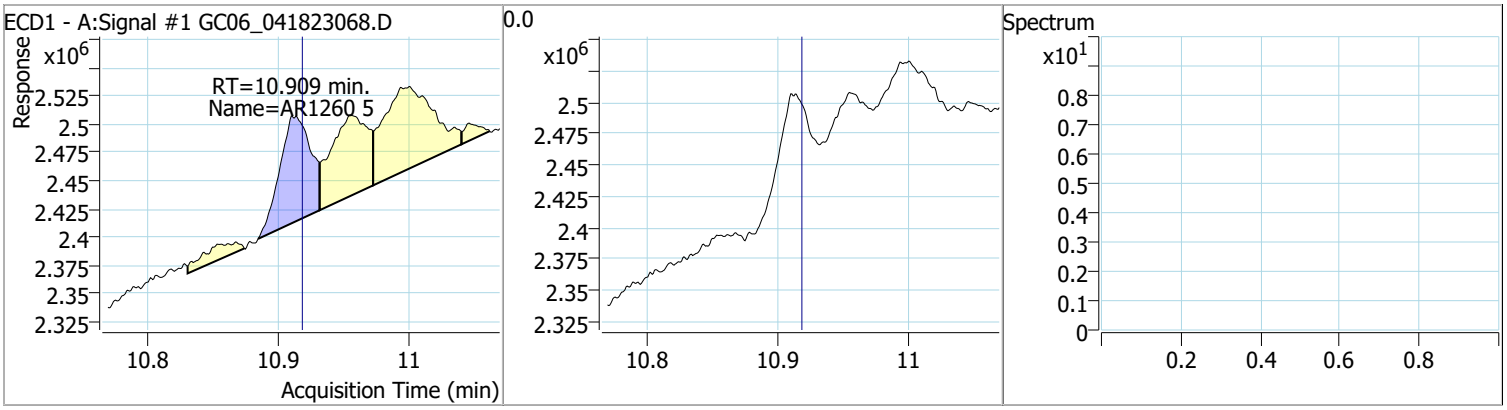
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.6439	10.31	0.04	40213				



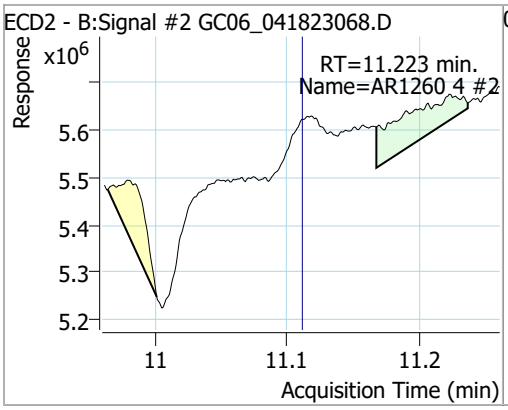
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.0530	10.60	-0.10	332922				

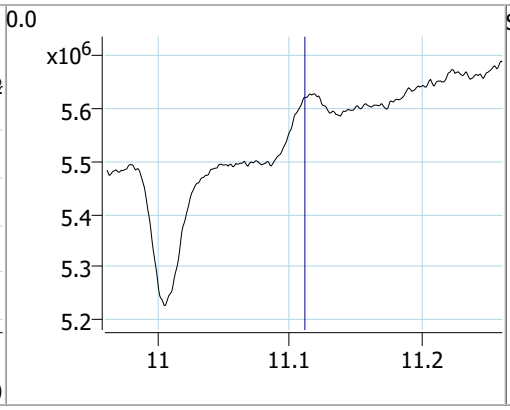


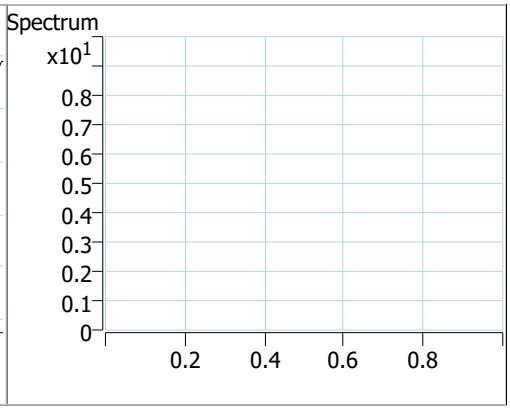
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.3673	10.91	-0.01	153149				



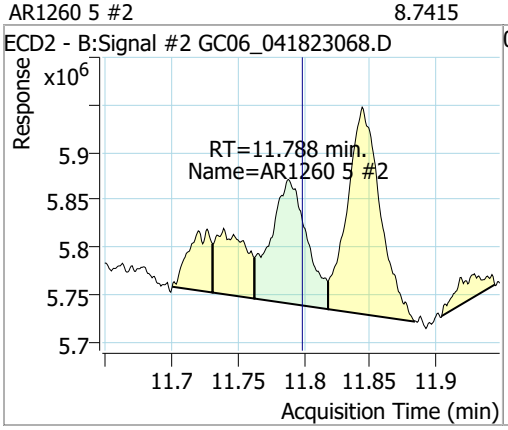
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.8380	11.22	0.11	244530				

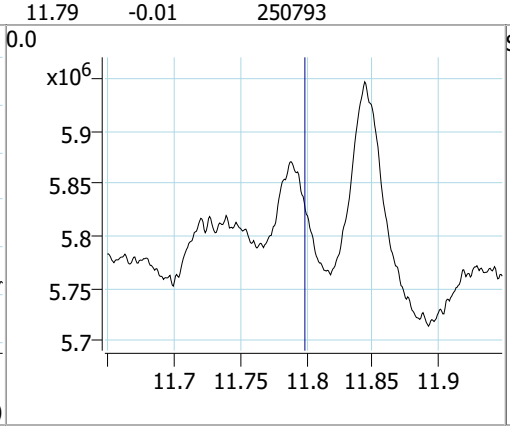


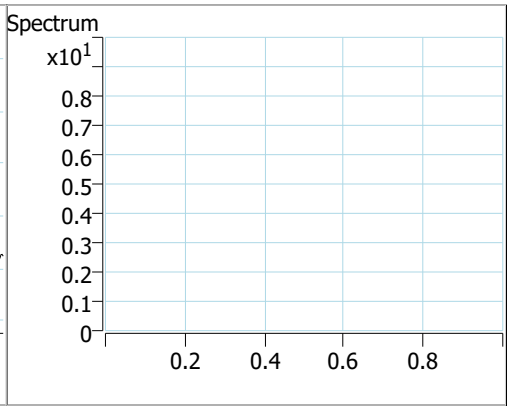




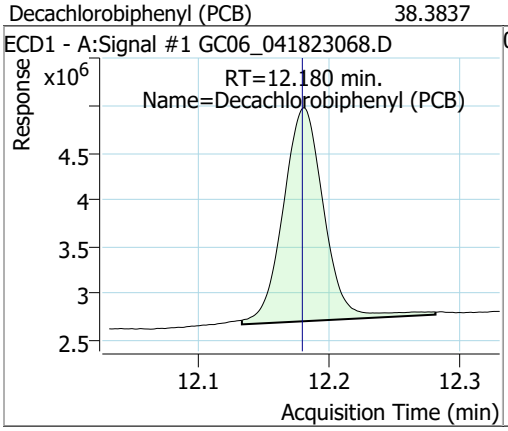
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.7415	11.79	-0.01	250793				

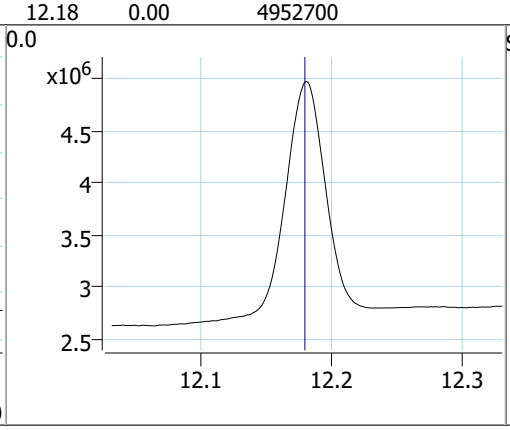


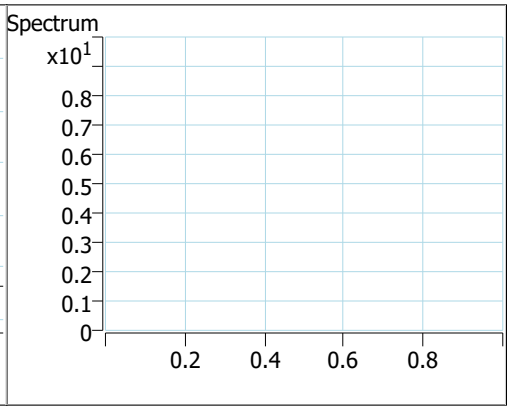




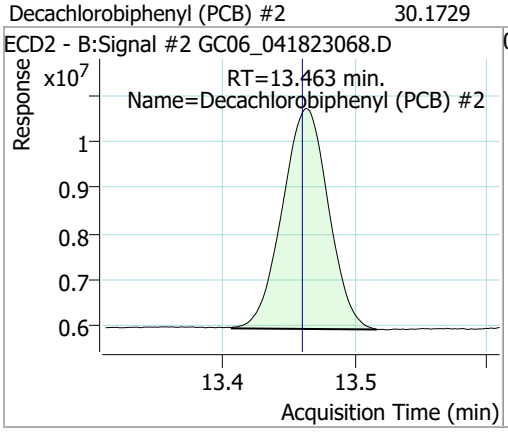
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.3837	12.18	0.00	4952700				

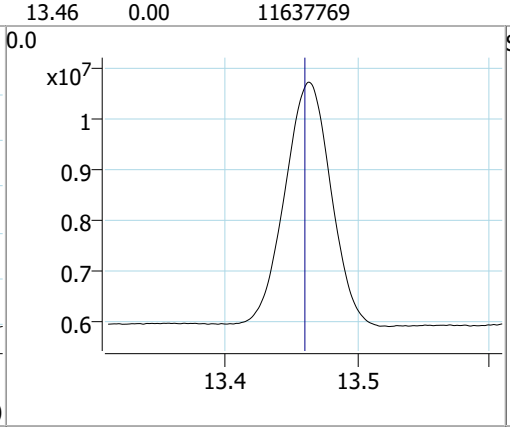


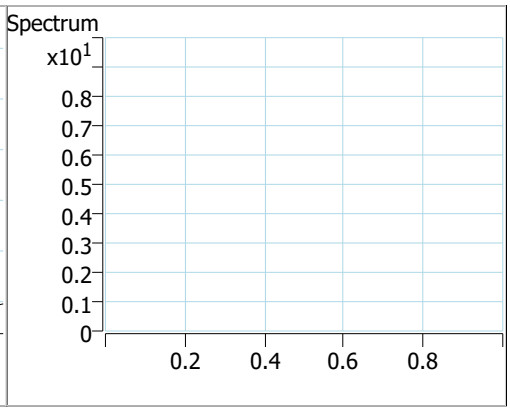




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.1729	13.46	0.00	11637769				







ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-017	Client ID:	AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-DUP-LA
Seqnum:	453156076069	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823069	Batch:	312006	Time:	19-APR-2023 05:30
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	46.52	ND	0.63	30%	0.50		u
Aroclor-1016 Peak # 1	B	33.28	0.33	0.66	66%			
Aroclor-1016 Peak # 2	B	17.11	0.17	0.06	102%			
Aroclor-1016 Peak # 3	B	175.6	1.76	0.55	105%			
Aroclor-1016 Peak # 4	B	2.583	0.03	0.96	190%			
Aroclor-1016 Peak # 5	B	4.000	0.04	0.92	183%			
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	7.348	ND	0.26	113%	0.50		u
Aroclor-1260 Peak # 1	B	17.13	0.17	1.02	143%			
Aroclor-1260 Peak # 2	B	1.261	0.01	0.19	175%			
Aroclor-1260 Peak # 3	B	8.730	0.09	0.02	113%			
Aroclor-1260 Peak # 4	B	7.800	0.08	0.01	140%			
Aroclor-1260 Peak # 5	B	1.813	0.02	0.07	121%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.05	0.5000	0.3905	78	19-121	u
Decachlorobiphenyl (PCB)	B	27.39	0.5000	0.2739	55	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7152397	-39.37
1-bromo-2-nitrobenzene (PCB)	A	3171036	1899207	-40.11

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

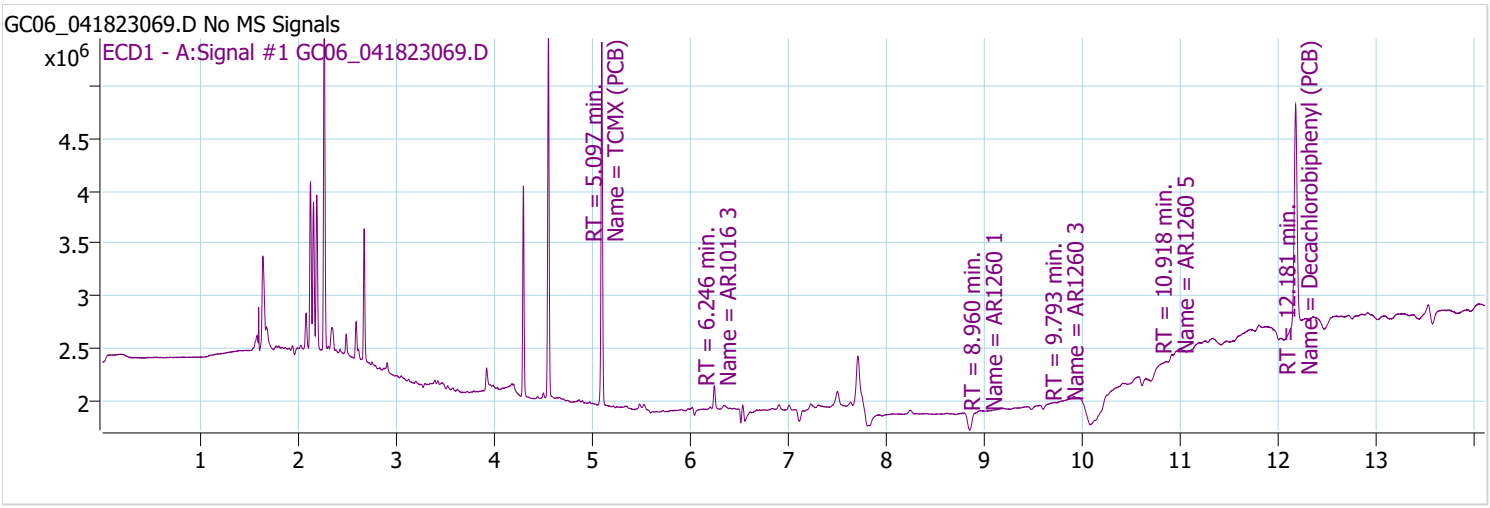
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

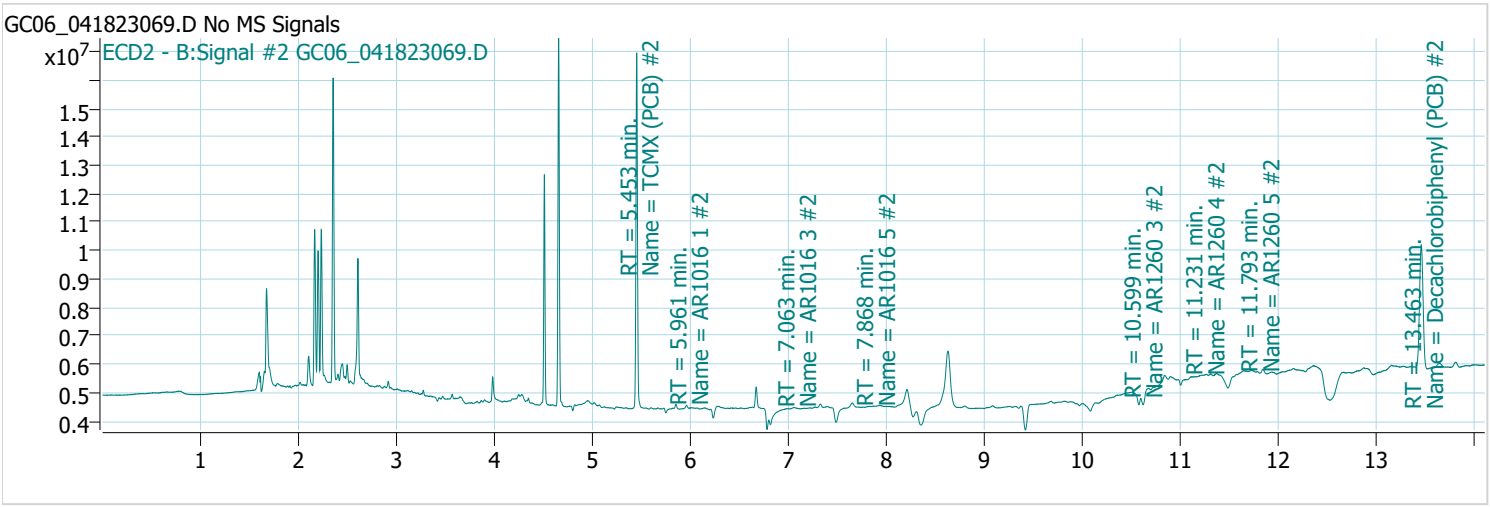
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Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823069.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 5:30:19 AM
Sample Name	483449-017, 312006, 1	Instrument	SVOA-GC06
Vial	39	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			





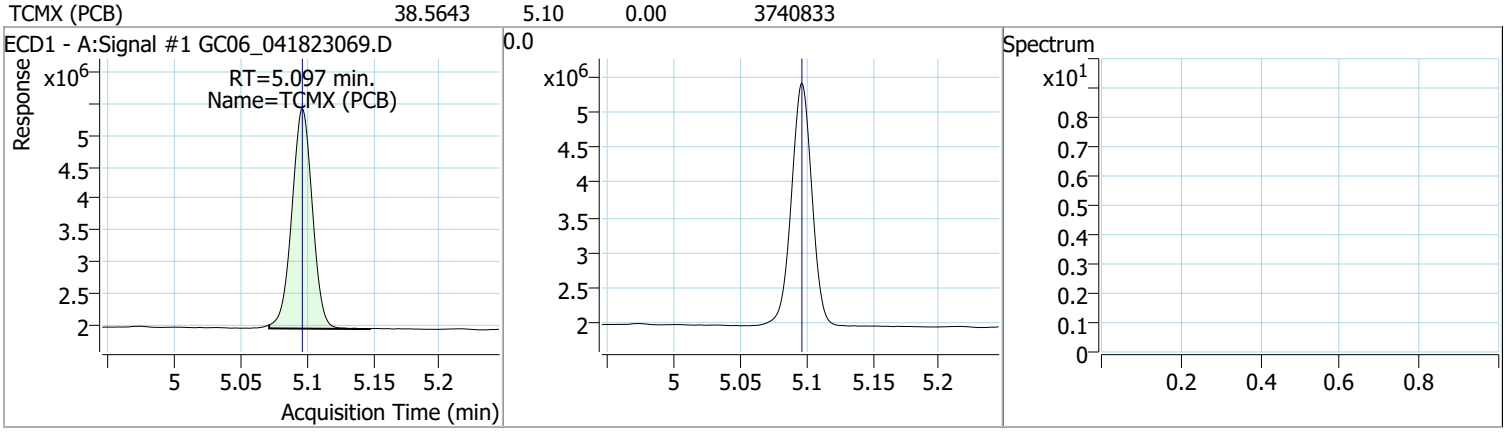
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	1899206.625	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7152396.903	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.097	0.0	3740832.520	38.5643	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.82%		*	
S TCMX (PCB) #2	5.453	0.0	13830718.415	39.0508	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.25%		*	
S Decachlorobiphenyl (PCB)	12.181	0.0	4731280.824	35.3520	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.76%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	10901819.877	27.3878	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.94%			

Target Compounds QValue

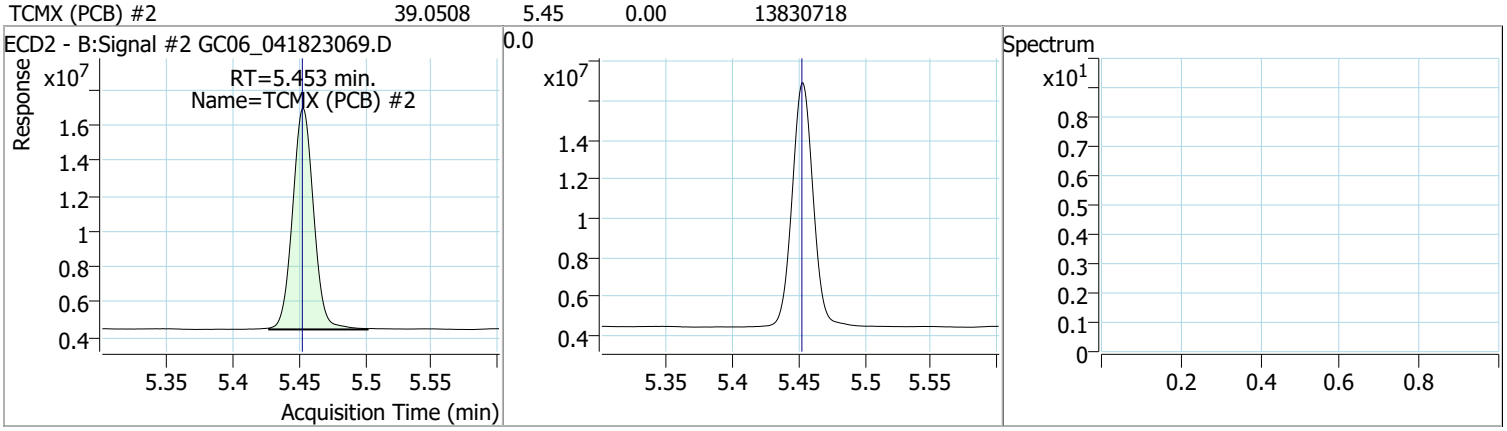
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.483	0.0	130789.609	66.2138	ng/ml	100
T AR1016 2	5.821	0.0	23428.353	5.5282	ng/ml	100
T AR1016 1 #2	5.961	0.0	244640.517	33.2762	ng/ml	100
T AR1016 3	6.246	0.0	289231.469	54.8625	ng/ml	100
T AR1016 2 #2	6.383	0.0	265254.113	17.1090	ng/ml	100
T AR1016 4	6.401	0.0	372062.477	95.9859	ng/ml	100
T AR1016 5	6.537	0.0	209772.788	92.2726	ng/ml	100
T AR1016 3 #2	7.063	0.0	3454820.602	175.6246	ng/ml	100
T AR1016 4 #2	7.166	0.0	36553.346	2.5829	ng/ml	100
T AR1016 5 #2	7.868	0.0	46619.939	4.0005	ng/ml	100
T AR1260 1	8.960	0.0	646325.193	102.1367	ng/ml	100
T AR1260 2	9.448	0.0	183048.934	19.1392	ng/ml	100
T AR1260 3	9.793	0.0	23352.671	2.4294	ng/ml	100
T AR1260 1 #2	10.145	0.0	349644.390	17.1344	ng/ml	100
T AR1260 4	10.128	0.0	8251.381	1.3870	ng/ml	100
T AR1260 2 #2	10.145	0.0	31836.824	1.2611	ng/ml	100
T AR1260 3 #2	10.599	0.0	271378.886	8.7302	ng/ml	100
T AR1260 5	10.918	0.0	93972.157	7.3162	ng/ml	100
T AR1260 4 #2	11.231	0.0	142245.541	7.7999	ng/ml	100
T AR1260 5 #2	11.793	0.0	53680.074	1.8130	ng/ml	100

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

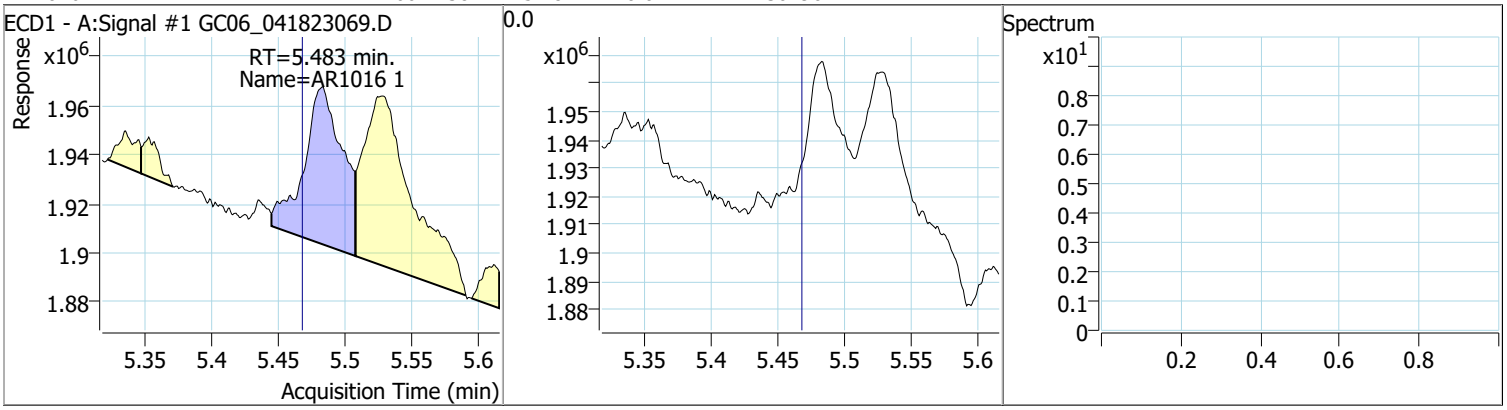
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.5643	5.10	0.00	3740833				



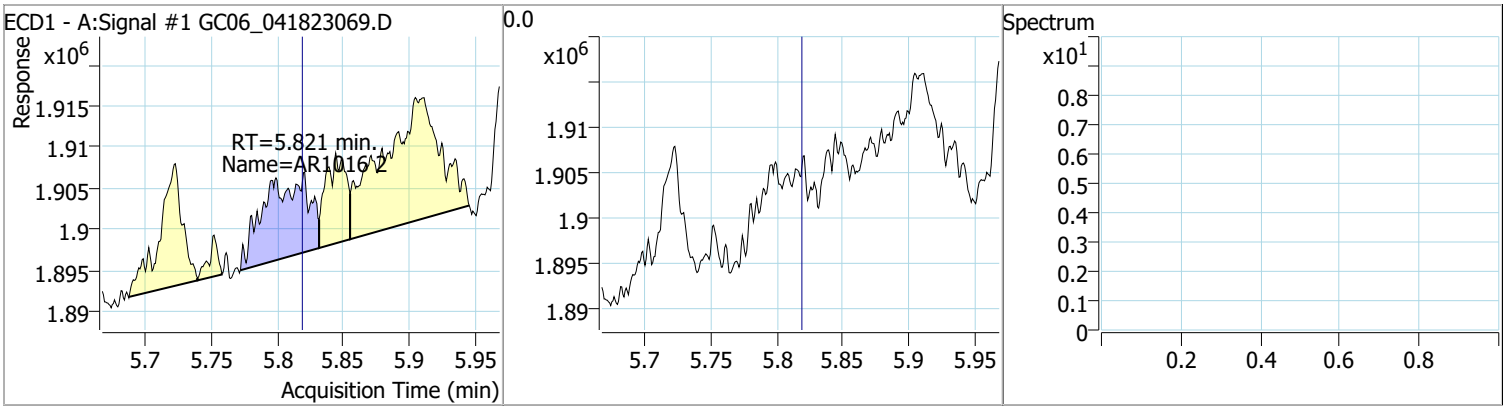
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.0508	5.45	0.00	13830718				



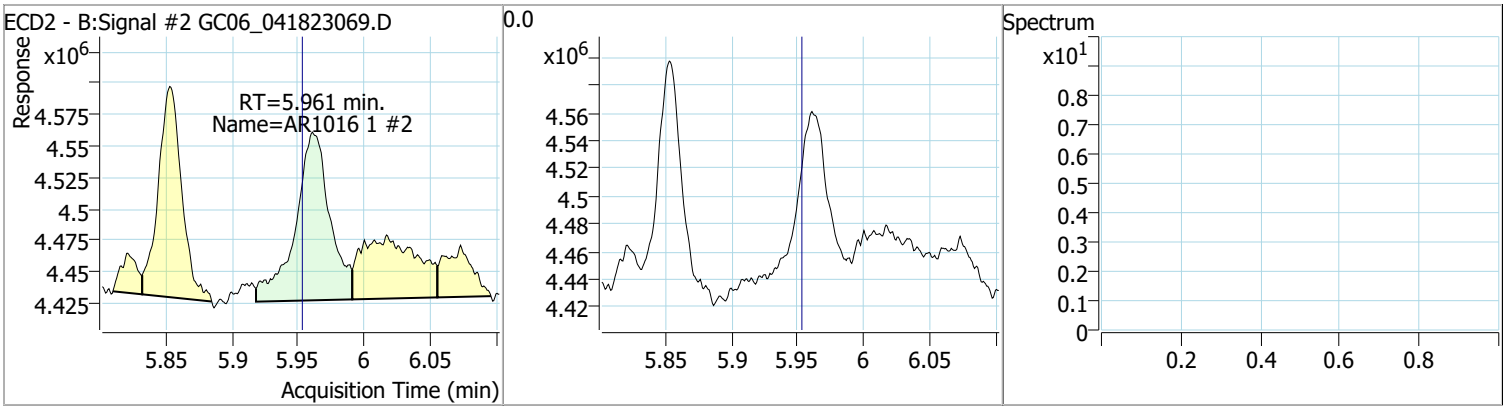
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	66.2138	5.48	0.02	130790				



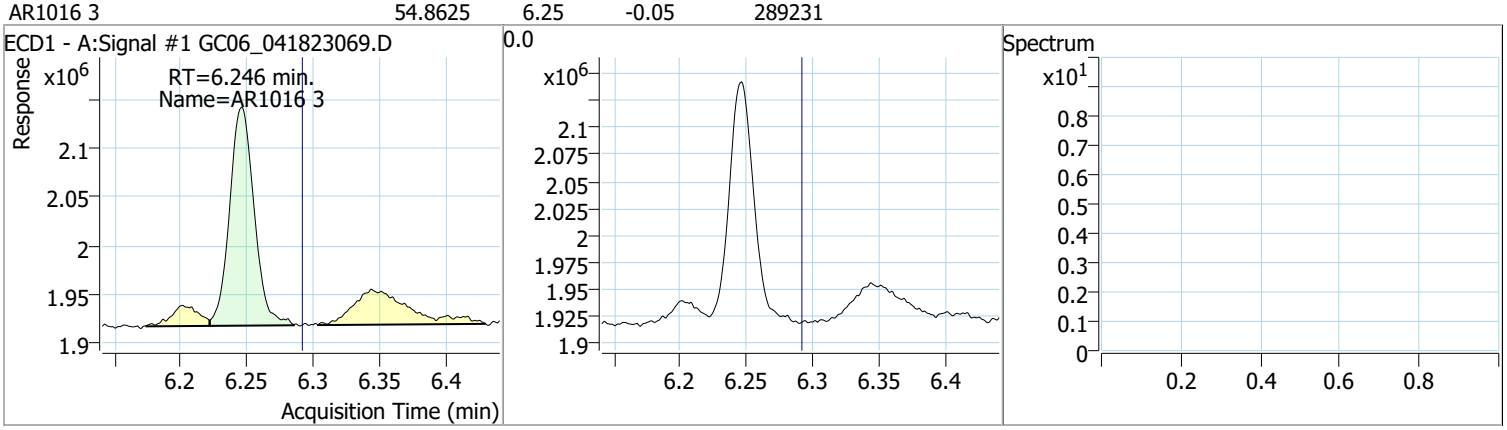
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.5282	5.82	0.00	23428				



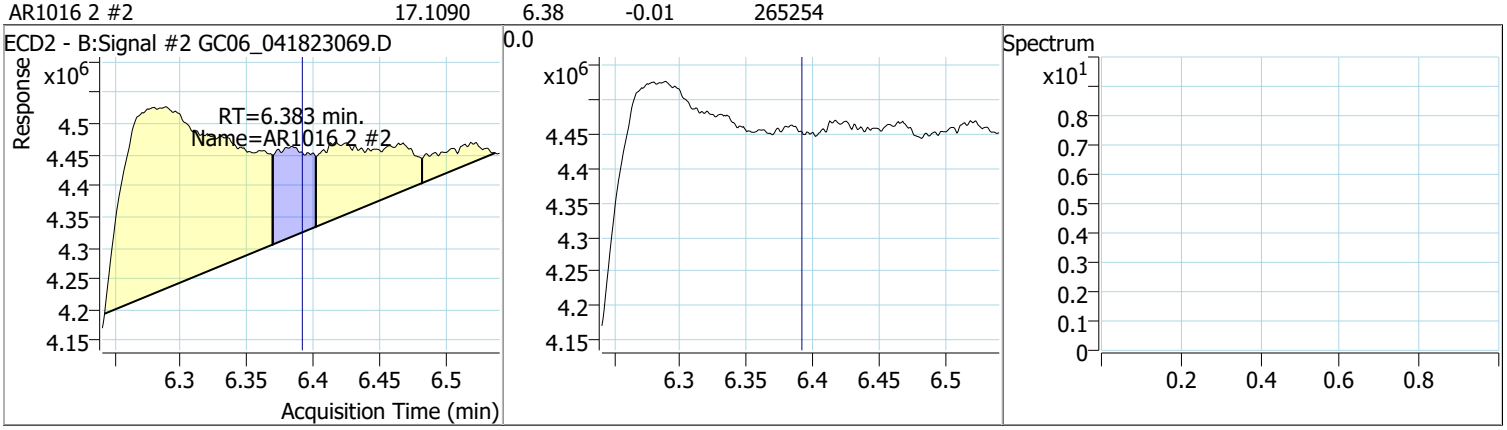
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	33.2762	5.96	0.01	244641				



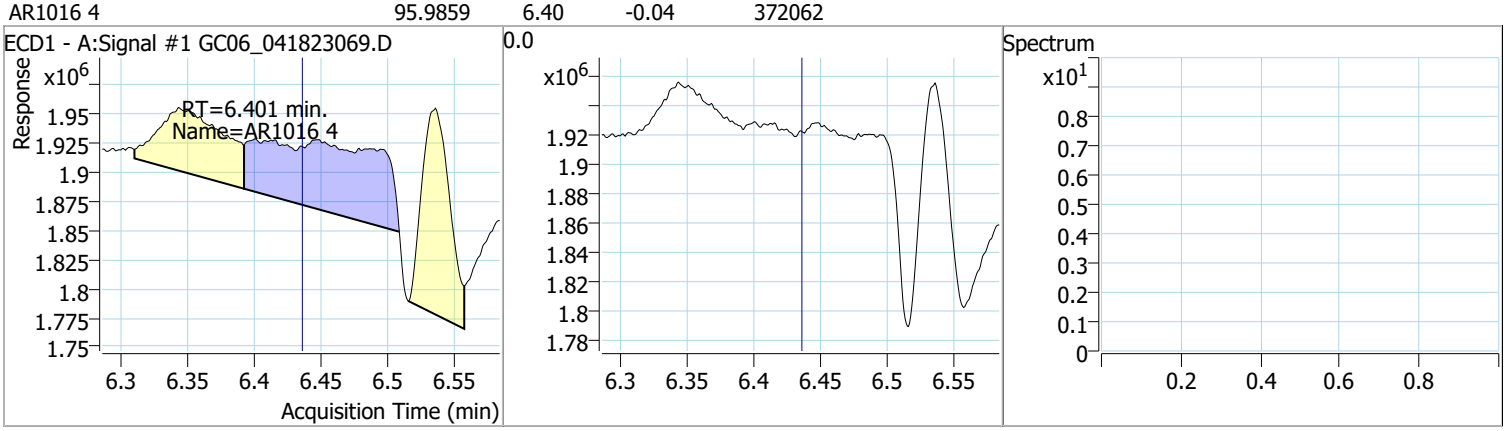
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.8625	6.25	-0.05	289231				



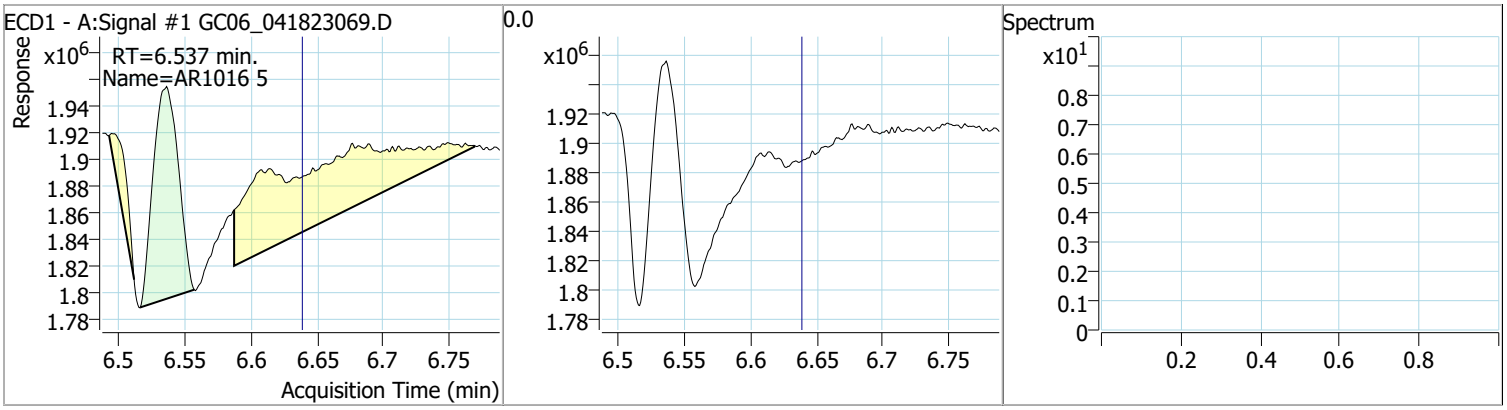
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	17.1090	6.38	-0.01	265254				



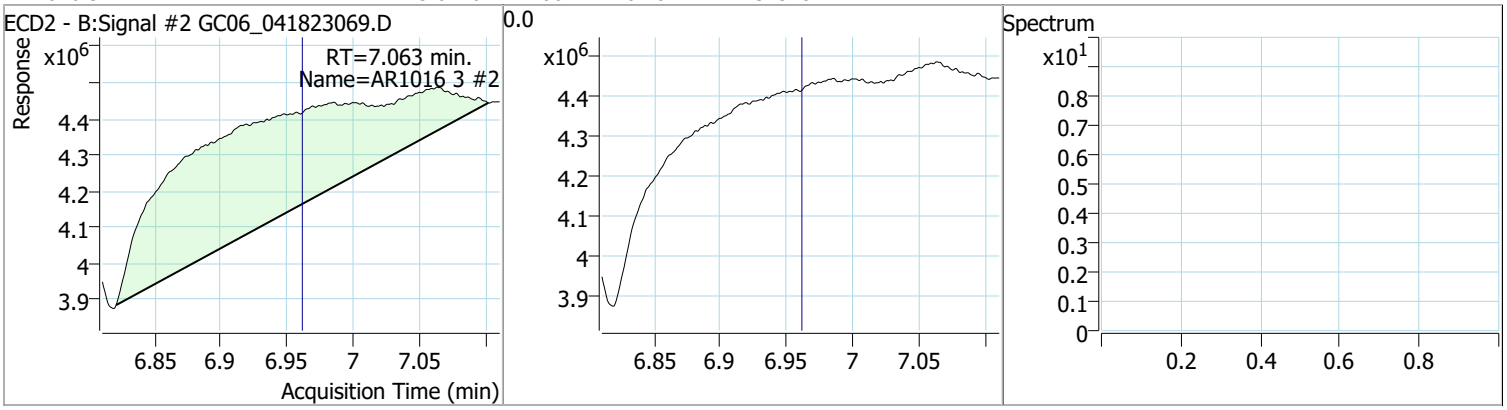
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	95.9859	6.40	-0.04	372062				



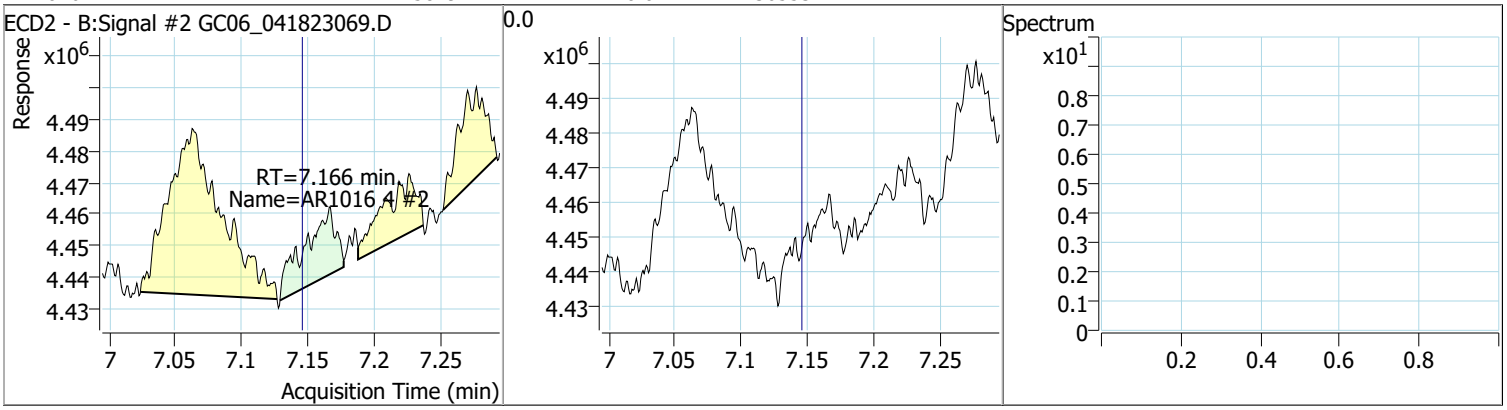
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	92.2726	6.54	-0.10	209773				



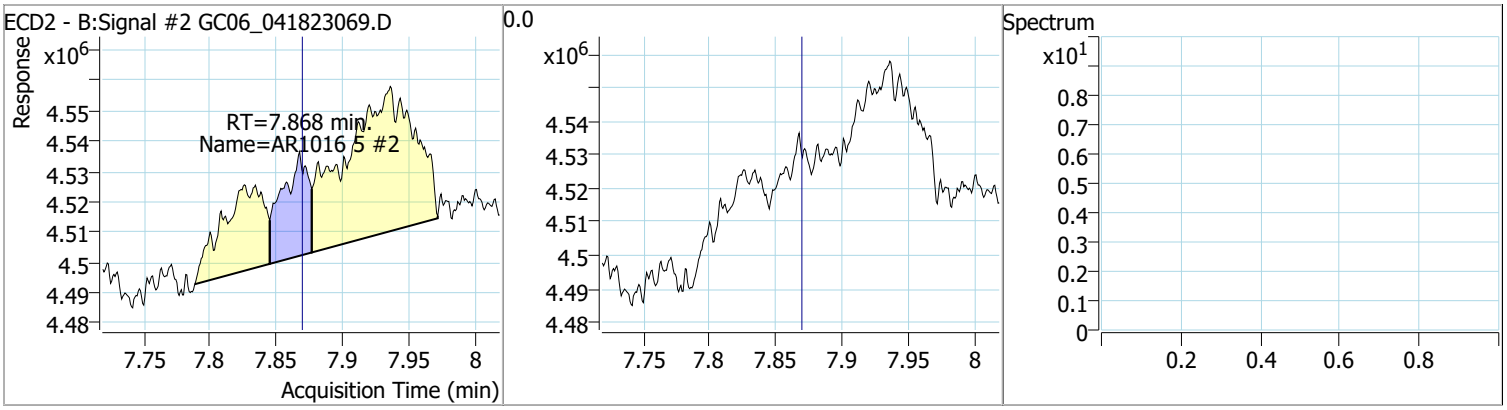
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	175.6246	7.06	0.10	3454821				



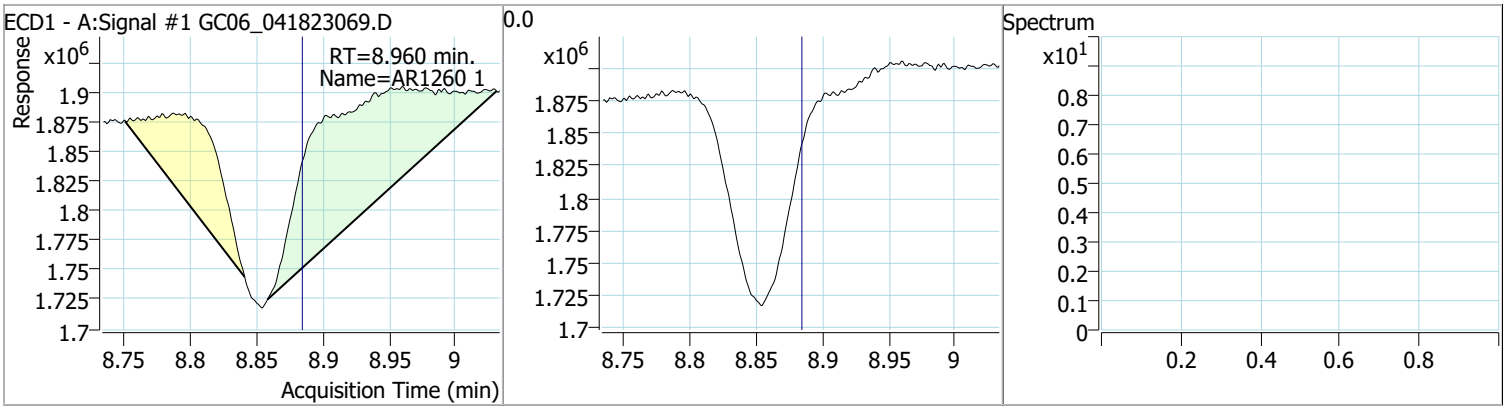
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.5829	7.17	0.02	36553				



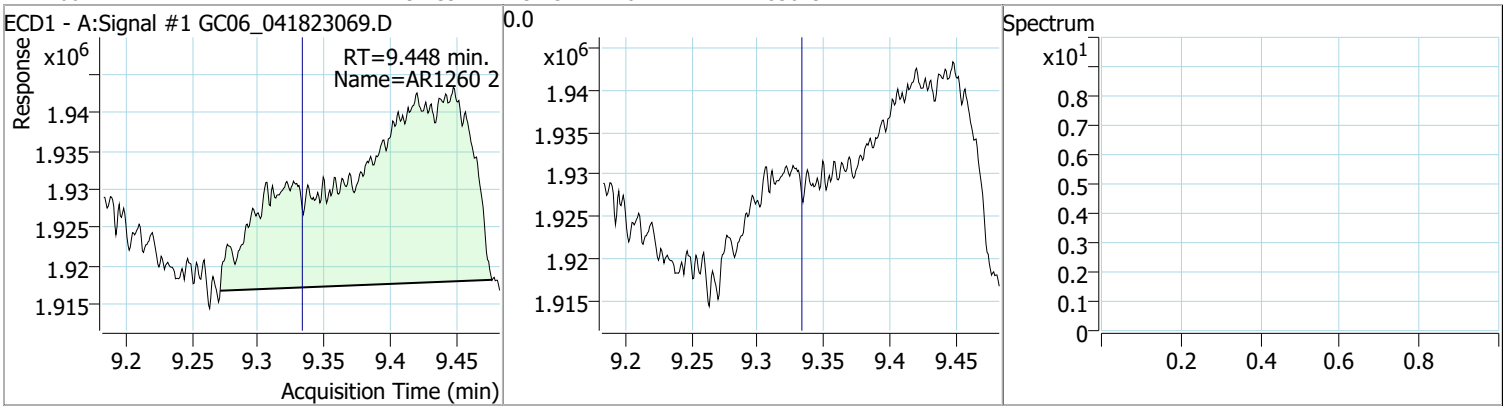
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.0005	7.87	0.00	46620				



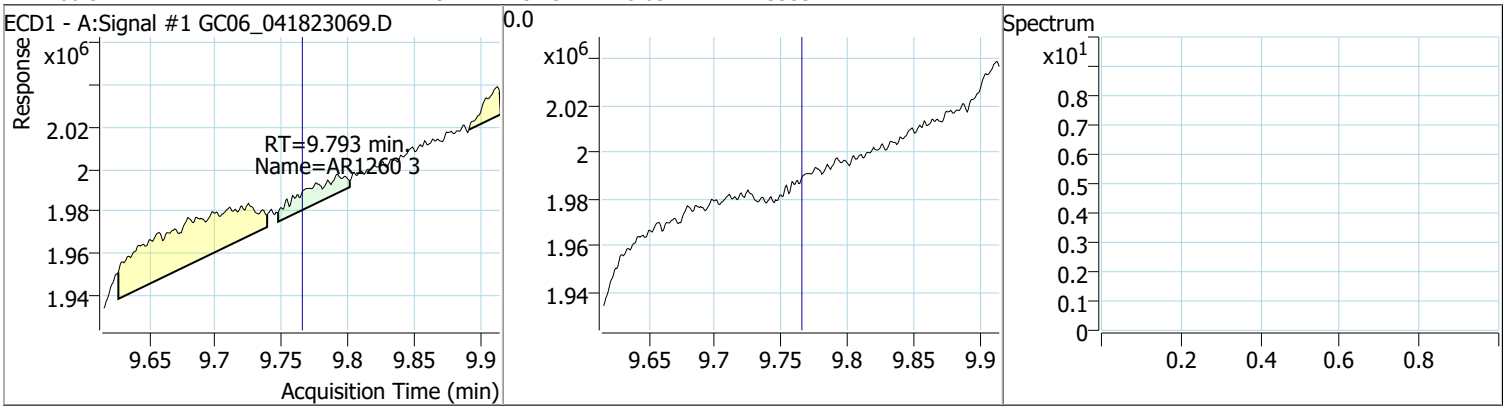
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	102.1367	8.96	0.08	646325				



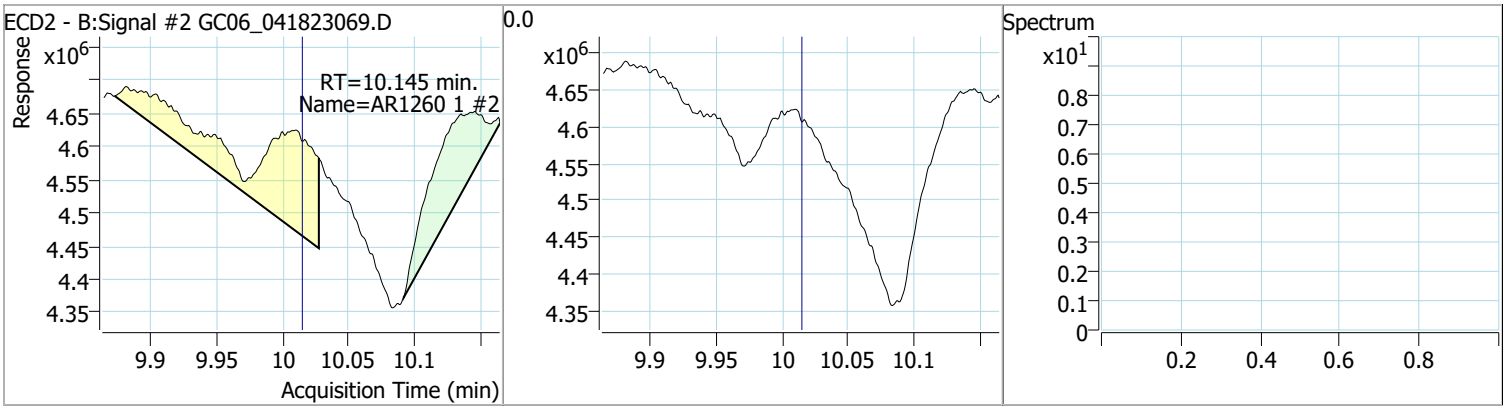
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	19.1392	9.45	0.11	183049				



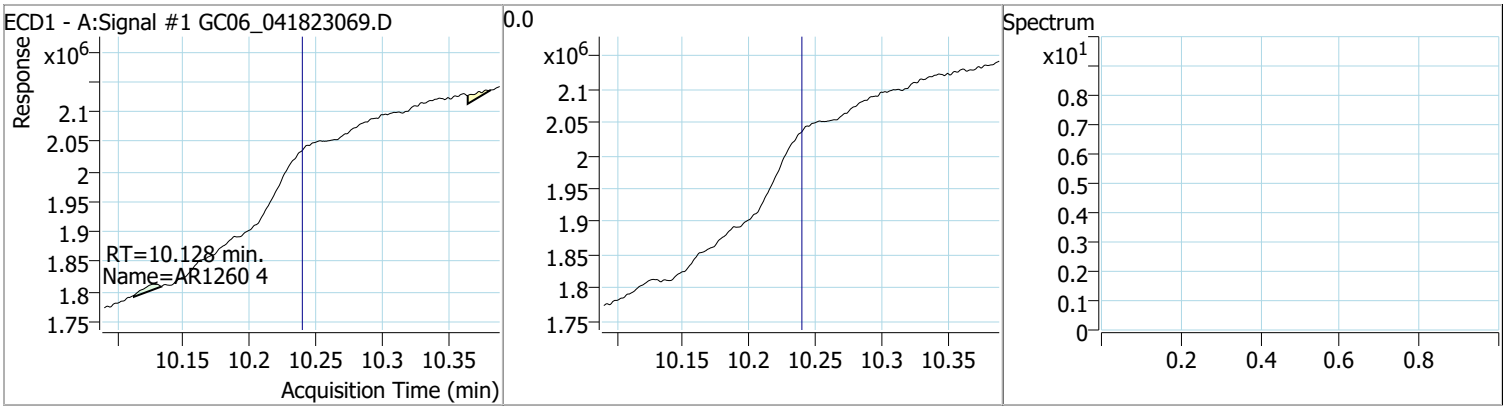
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.4294	9.79	0.03	23353				



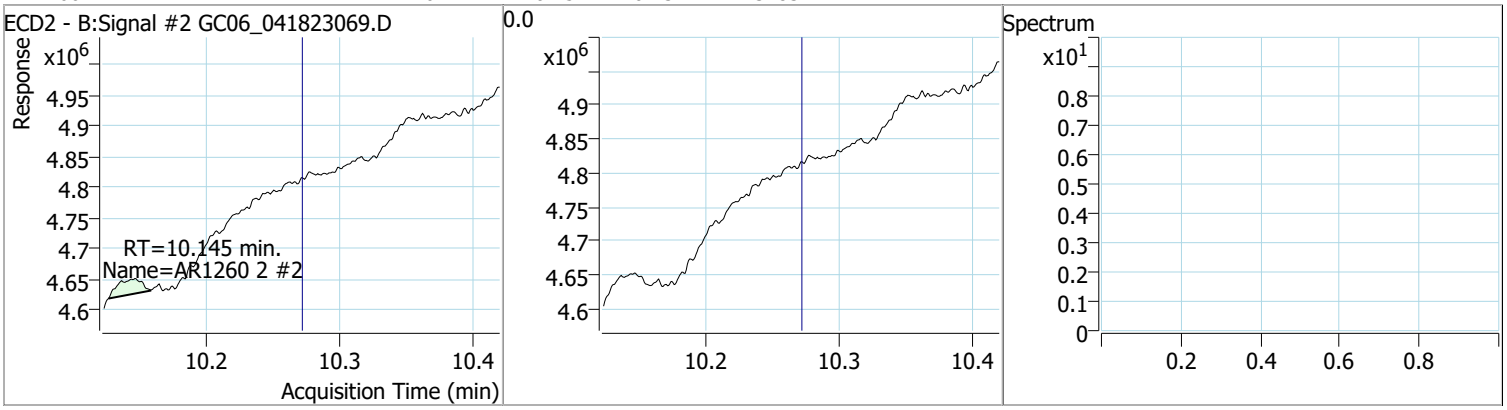
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	17.1344	10.15	0.13	349644				



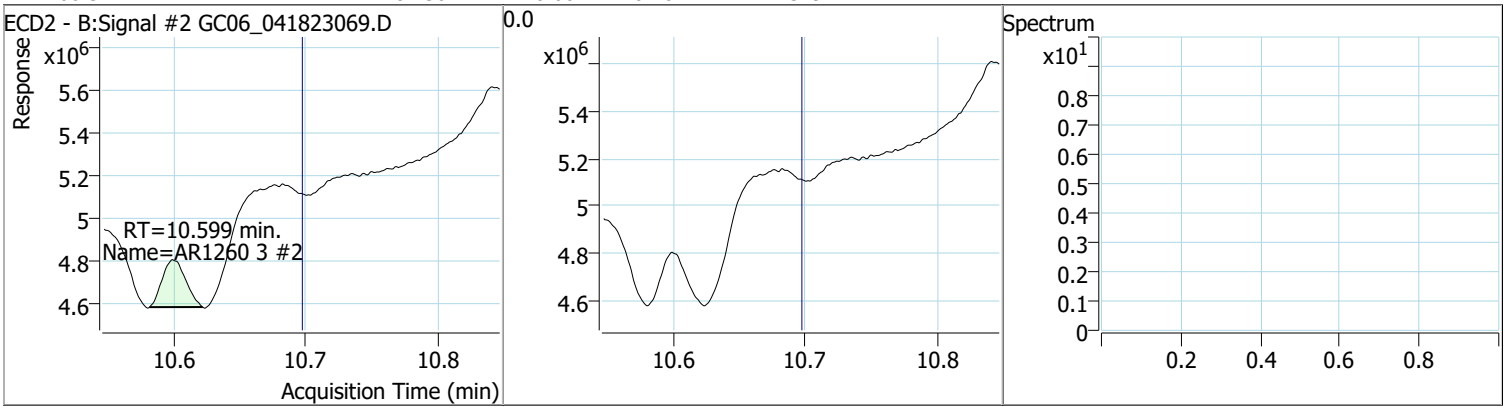
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1.3870	10.13	-0.11	8251				



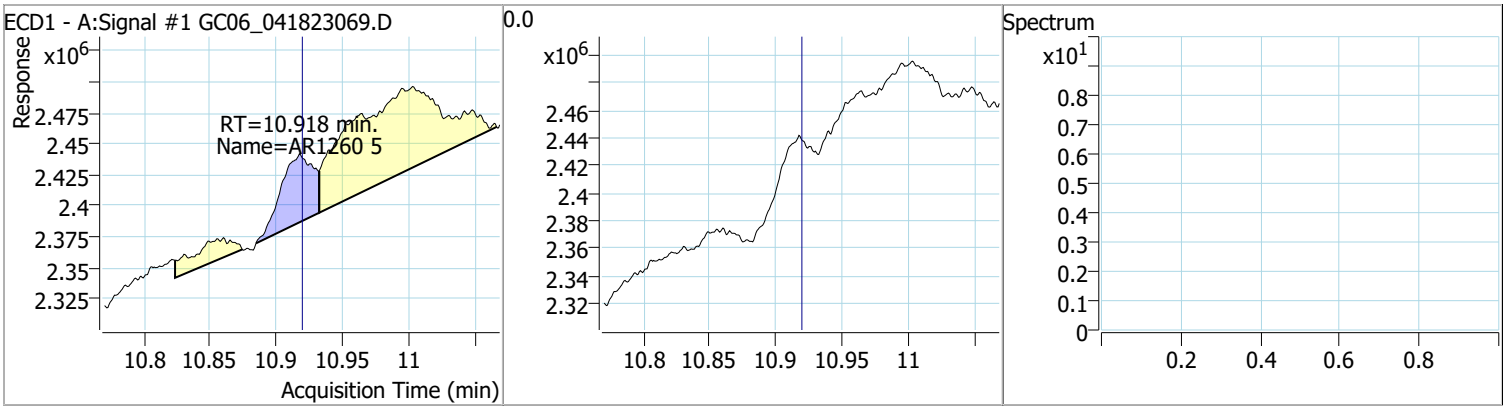
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.2611	10.15	-0.13	31837				



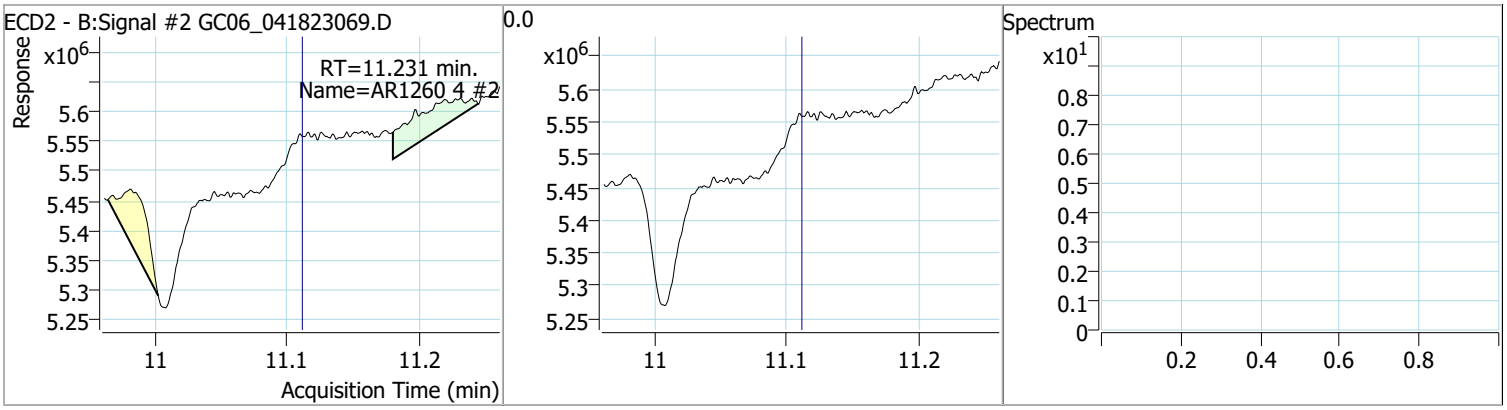
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.7302	10.60	-0.10	271379				



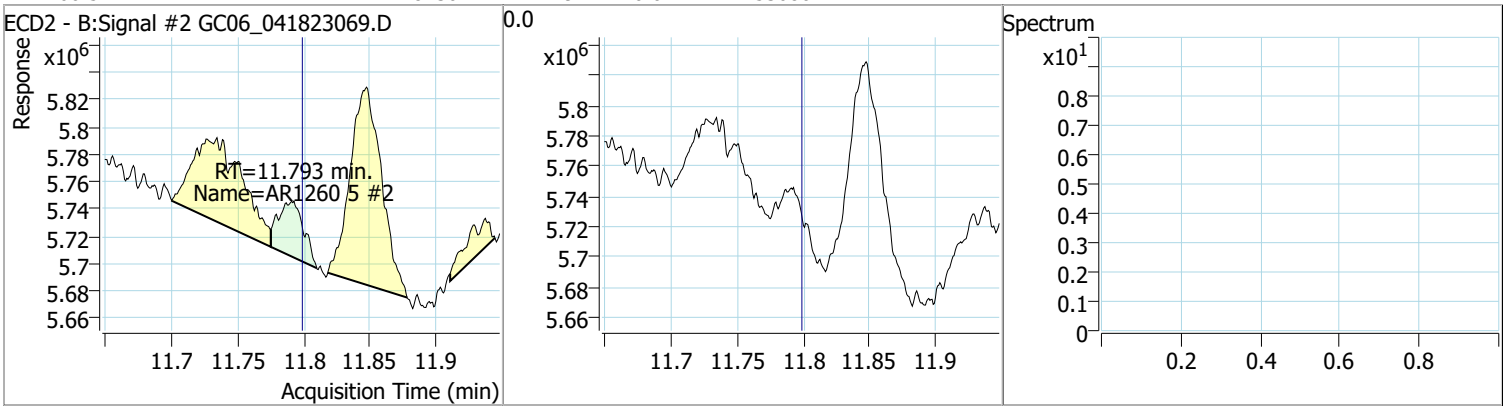
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.3162	10.92	0.00	93972				



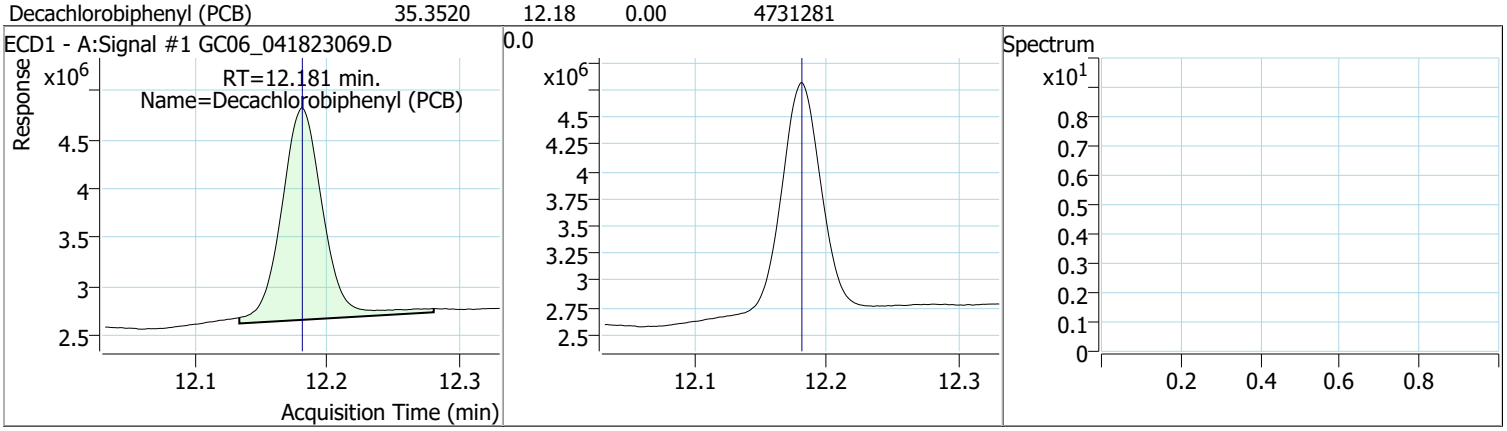
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.7999	11.23	0.12	142246				



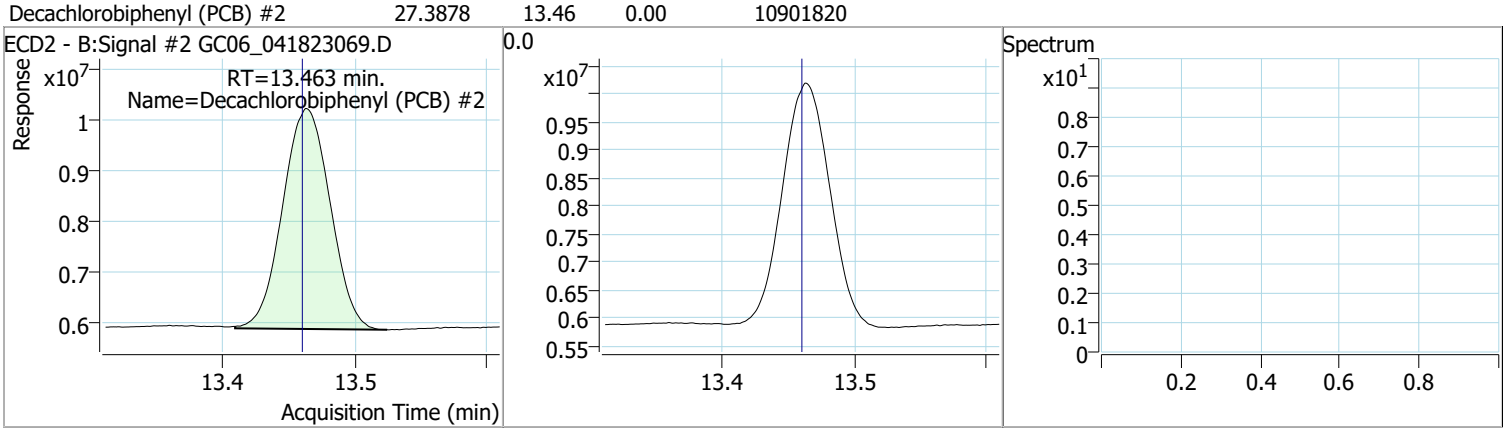
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.8130	11.79	-0.01	53680				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.3520	12.18	0.00	4731281				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.3878	13.46	0.00	10901820				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-019	Client ID:	AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-P-LA
Seqnum:	453156076070	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823070	Batch:	312006	Time:	19-APR-2023 05:48
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	58.33	~~0.58~~ ~~FP~~	0.75	26%	0.50		x u
Aroclor-1016 Peak # 1	B	42.57	0.43	0.61	35%			
Aroclor-1016 Peak # 2	B	33.64	0.34	0.08	126%			
Aroclor-1016 Peak # 3	B	202.5	2.02	0.18	168%			
Aroclor-1016 Peak # 4	B	7.265	0.07	0.54	153%			
Aroclor-1016 Peak # 5	B	5.721	0.06	2.36	191%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	9.115	ND	0.21	77%	0.50		u
Aroclor-1260 Peak # 1	B	14.91	0.15	0.58	118%			
Aroclor-1260 Peak # 2	B	7.661	0.08	0.22	97%			
Aroclor-1260 Peak # 3	B	11.18	0.11	0.04	93%			
Aroclor-1260 Peak # 4	B	5.116	0.05	0.06	19%			
Aroclor-1260 Peak # 5	B	6.696	0.07	0.13	62%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.59	0.5000	0.3559	71	19-121	u
Decachlorobiphenyl (PCB)	B	25.37	0.5000	0.2537	51	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	6889525	-41.60
1-bromo-2-nitrobenzene (PCB)	A	3171036	1791039	-43.52

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

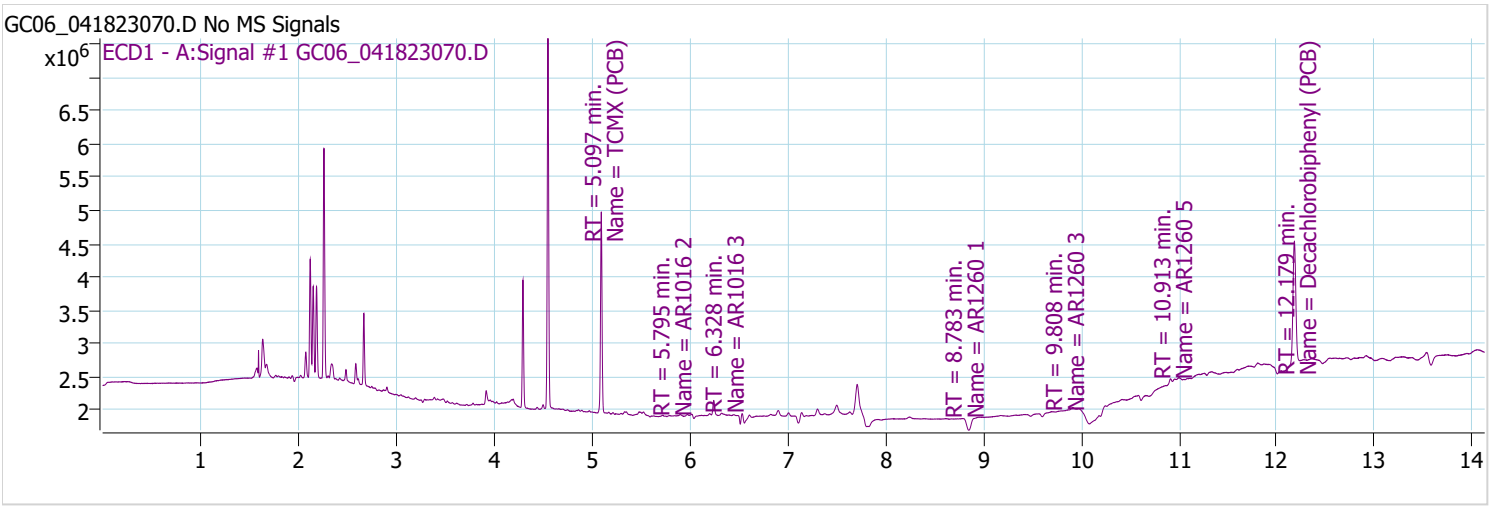
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

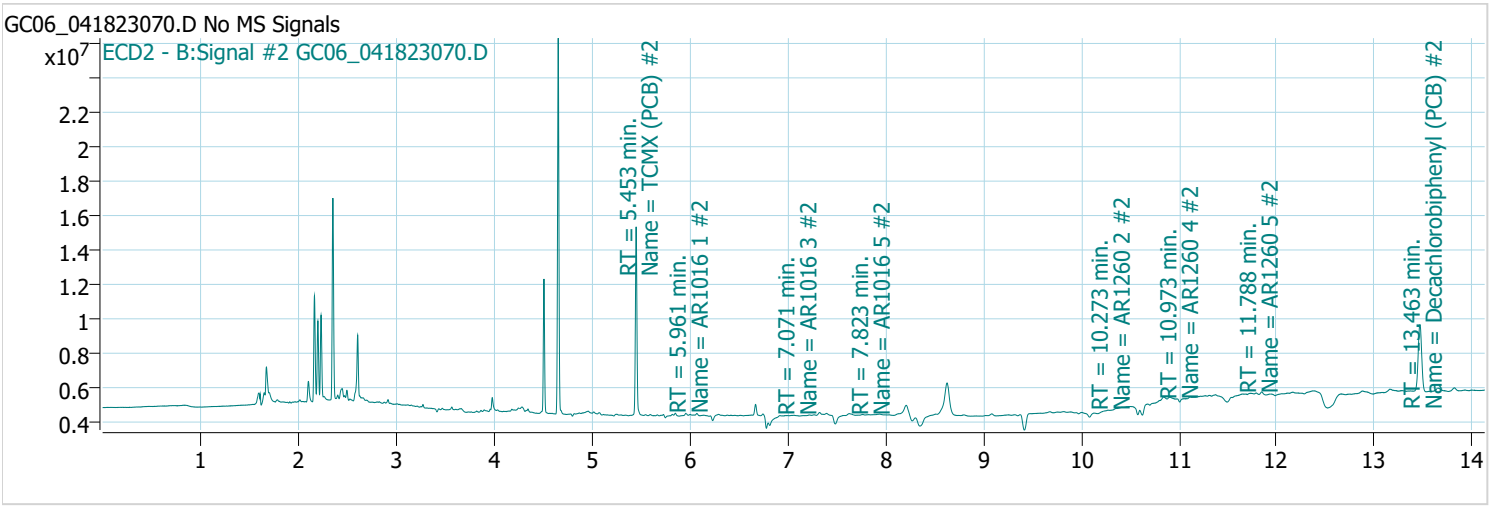
u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823070.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 5:48:38 AM
Sample Name	483449-019, 312006, 1	Instrument	SVOA-GC06
Vial	40	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



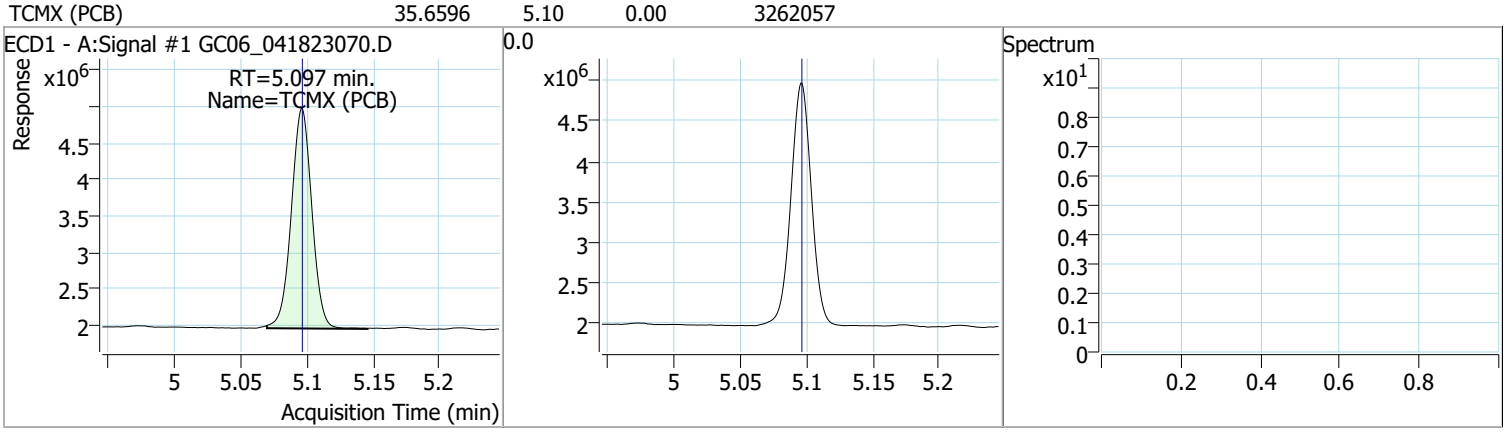


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	1791038.968	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	6889525.028	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.097	0.0	3262056.751	35.6596	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.30%		*	
S TCMX (PCB) #2	5.453	0.0	12143022.236	35.5938	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.97%		*	
S Decachlorobiphenyl (PCB)	12.179	0.0	4089437.813	32.4016	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.01%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	9726215.155	25.3668	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.83%			
Target Compounds							QValue

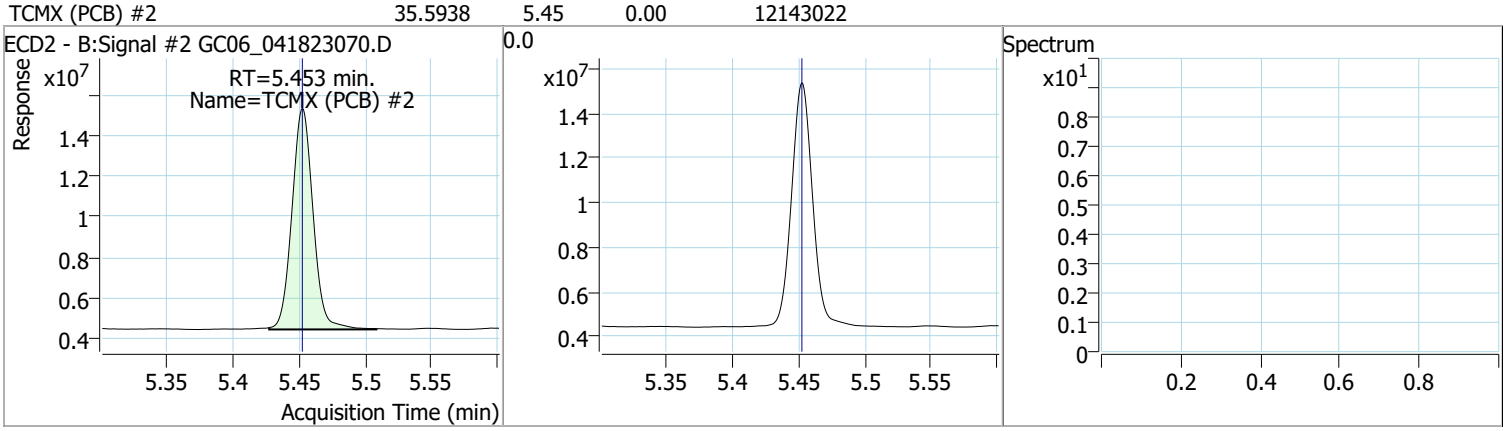
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.483	0.0	113500.335	60.9311	ng/ml	100
T AR1016 2	5.795	0.0	30456.612	7.6207	ng/ml	100
T AR1016 1 #2	5.961	0.0	301461.843	42.5696	ng/ml	100
T AR1016 3	6.328	0.0	87790.952	17.6582	ng/ml	100
T AR1016 2 #2	6.388	0.0	502332.915	33.6369	ng/ml	100
T AR1016 4	6.537	0.0	198439.675	54.2860	ng/ml	100
T AR1016 5	6.609	0.0	507018.695	236.4911	ng/ml	100
T AR1016 3 #2	7.071	0.0	3836371.703	202.4617	ng/ml	100
T AR1016 4 #2	7.071	0.0	99038.309	7.2653	ng/ml	100
T AR1016 5 #2	7.823	0.0	64215.744	5.7206	ng/ml	100
T AR1260 1	8.783	0.0	345669.000	57.9239	ng/ml	100
T AR1260 2	9.429	0.0	199945.699	22.1685	ng/ml	100
T AR1260 3	9.808	0.0	37051.037	4.0873	ng/ml	100
T AR1260 1 #2	10.129	0.0	293157.010	14.9144	ng/ml	100
T AR1260 4	10.182	0.0	34742.334	6.1925	ng/ml	100
T AR1260 2 #2	10.273	0.0	186304.818	7.6614	ng/ml	100
T AR1260 3 #2	10.599	0.0	334898.689	11.1847	ng/ml	100
T AR1260 5	10.913	0.0	153477.792	12.6707	ng/ml	100
T AR1260 4 #2	10.973	0.0	89875.888	5.1163	ng/ml	100
T AR1260 5 #2	11.788	0.0	190988.354	6.6965	ng/ml	100

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

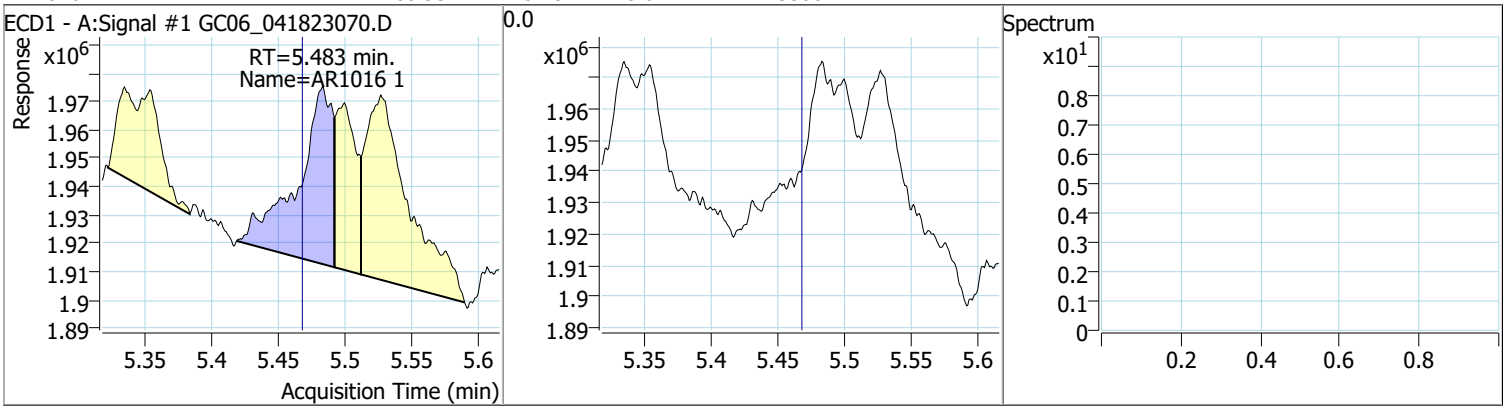
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.6596	5.10	0.00	3262057				



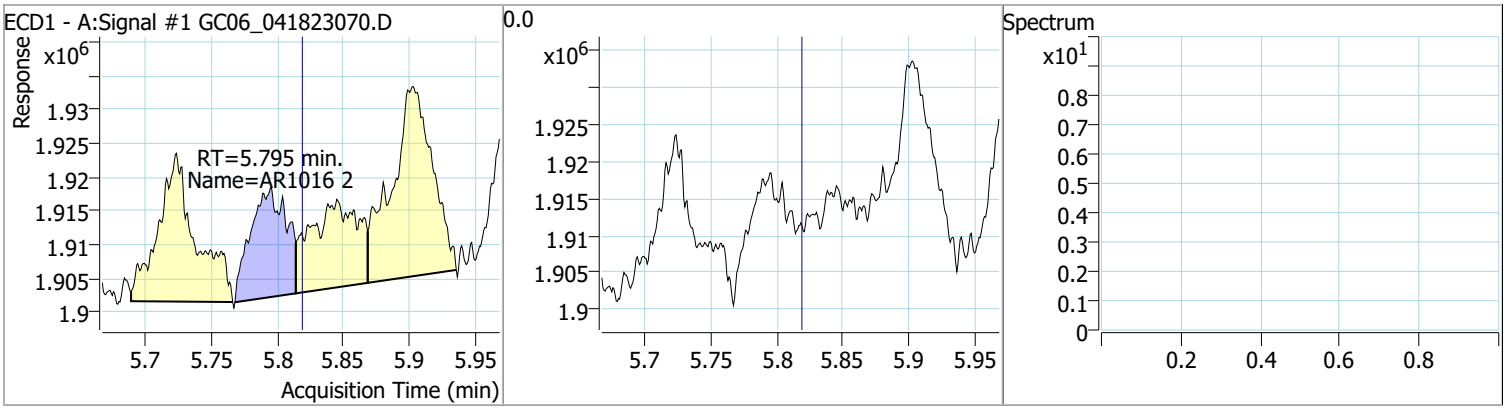
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.5938	5.45	0.00	12143022				



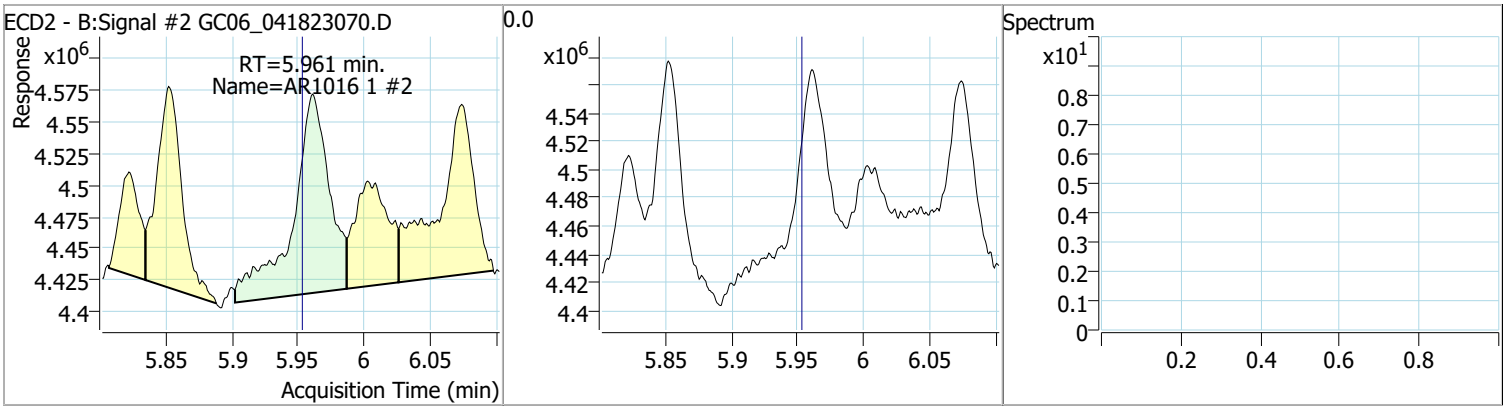
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.9311	5.48	0.02	113500				



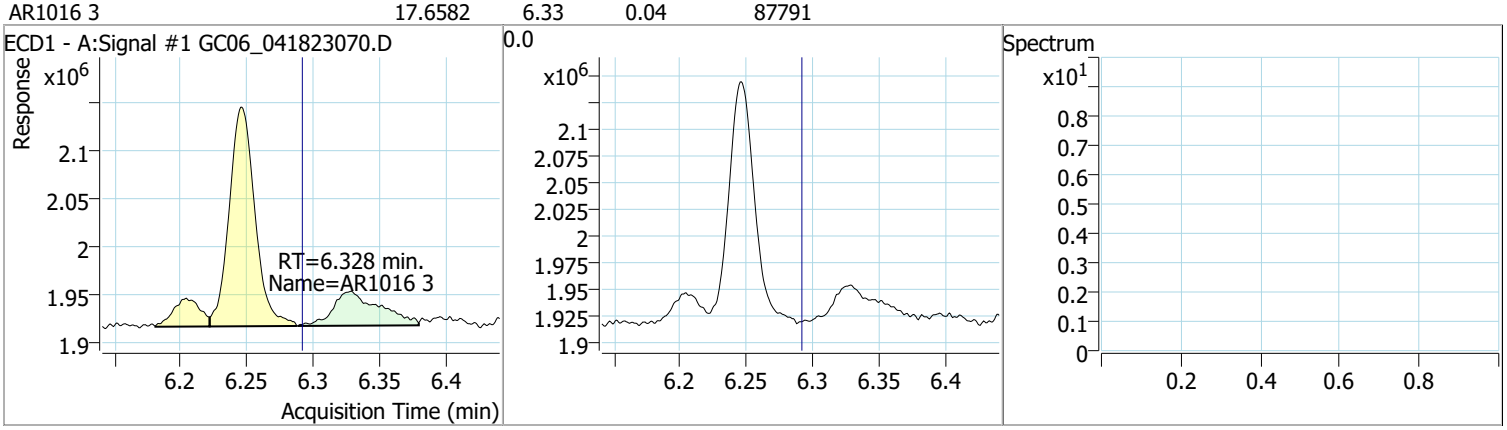
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.6207	5.80	-0.02	30457				



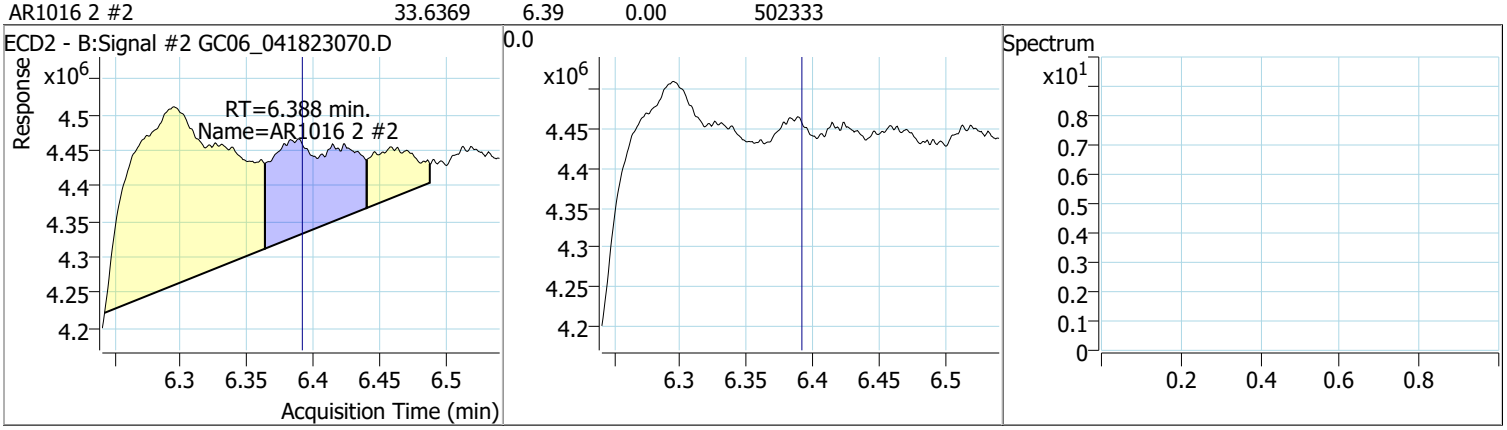
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	42.5696	5.96	0.01	301462				



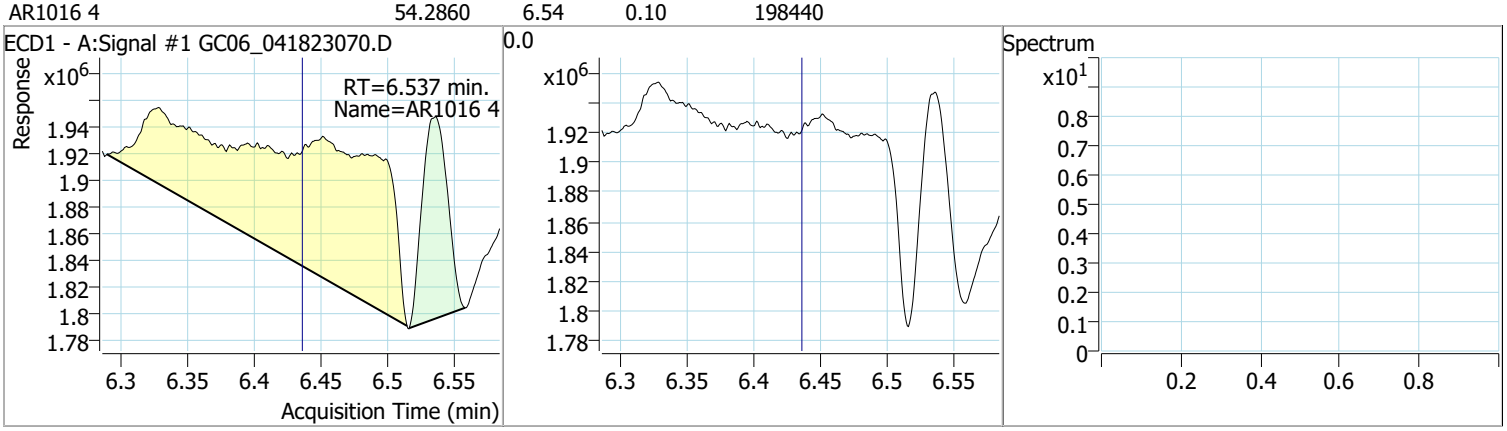
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	17.6582	6.33	0.04	87791				



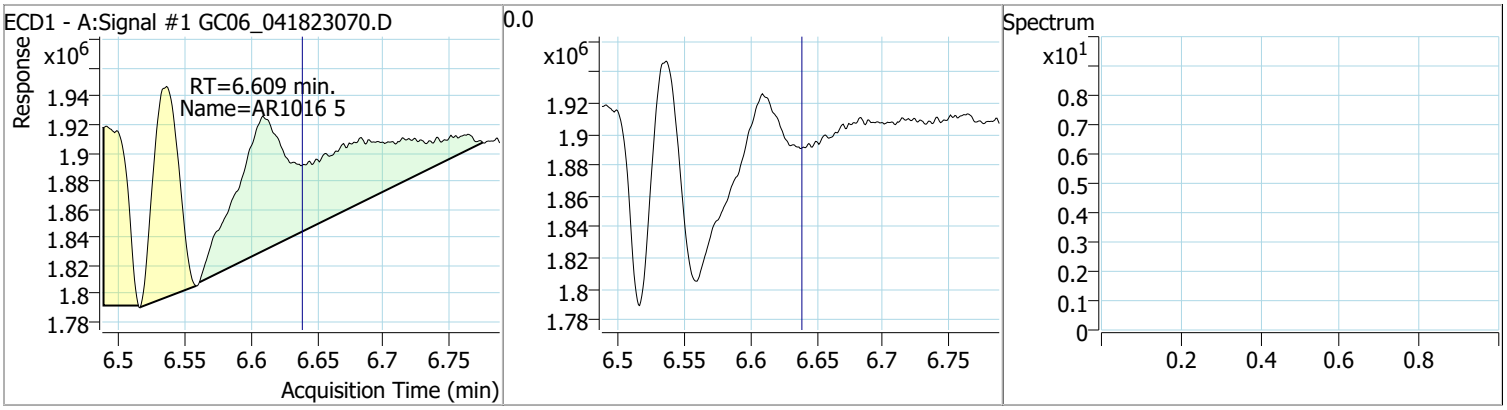
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	33.6369	6.39	0.00	502333				



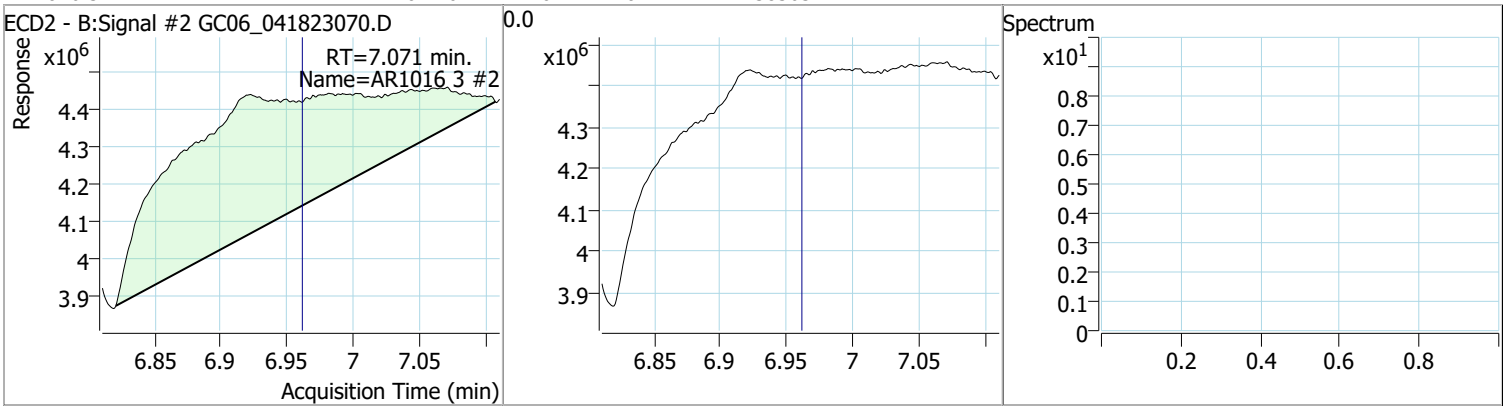
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.2860	6.54	0.10	198440				



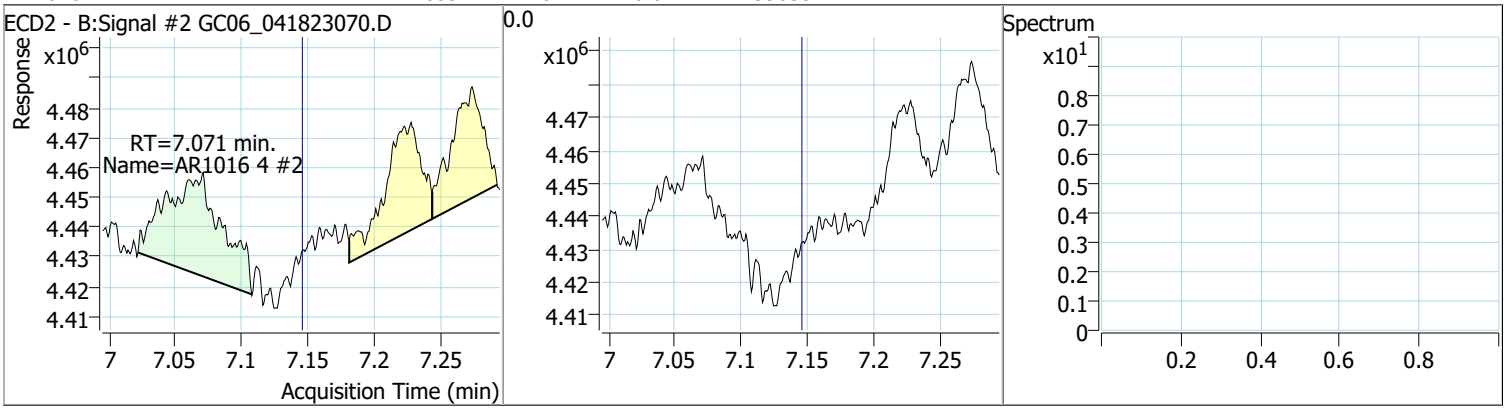
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	236.4911	6.61	-0.03	507019				



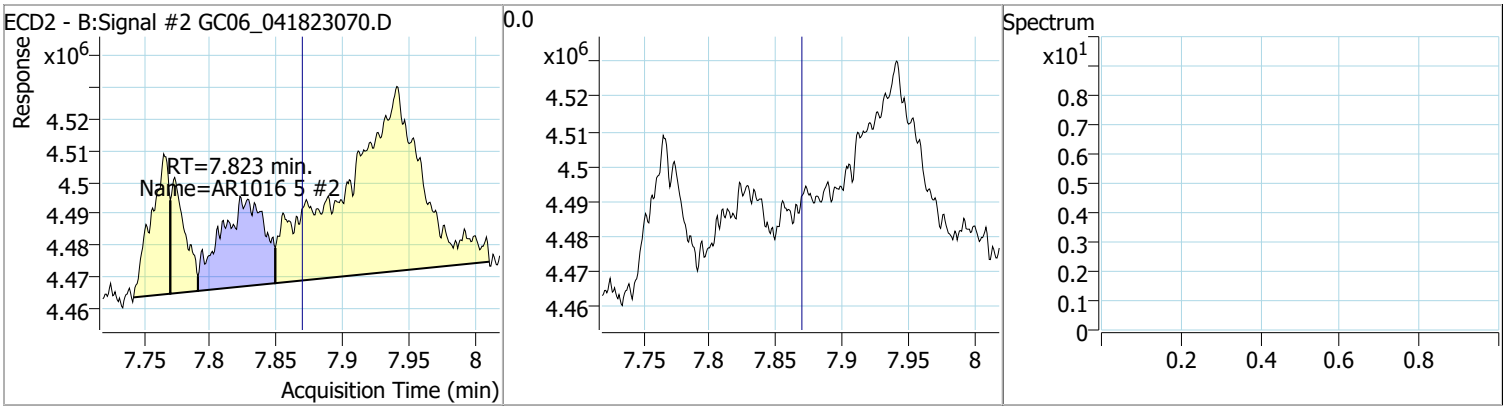
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	202.4617	7.07	0.11	3836372				



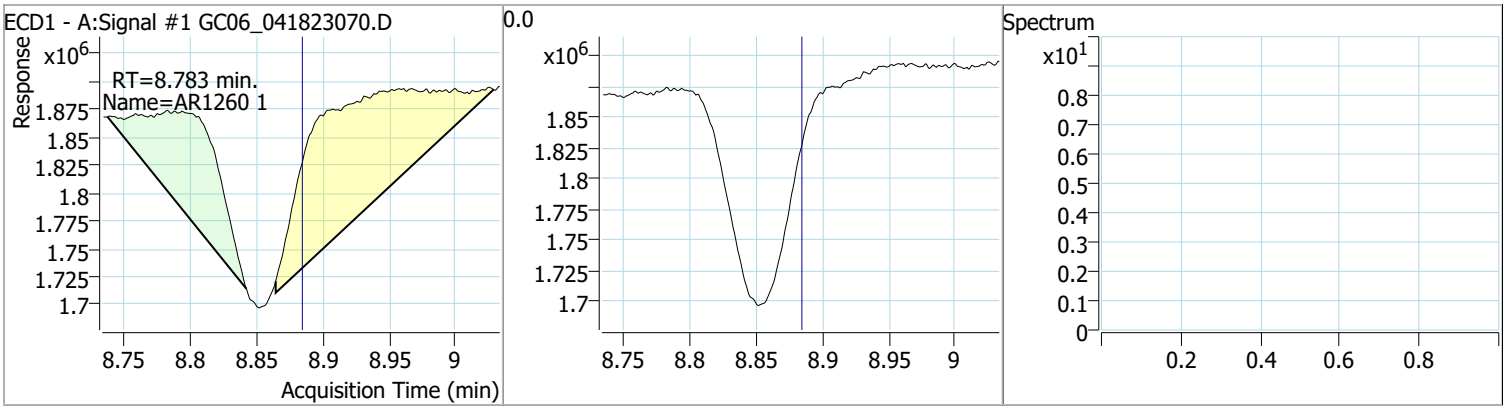
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	7.2653	7.07	-0.07	99038				



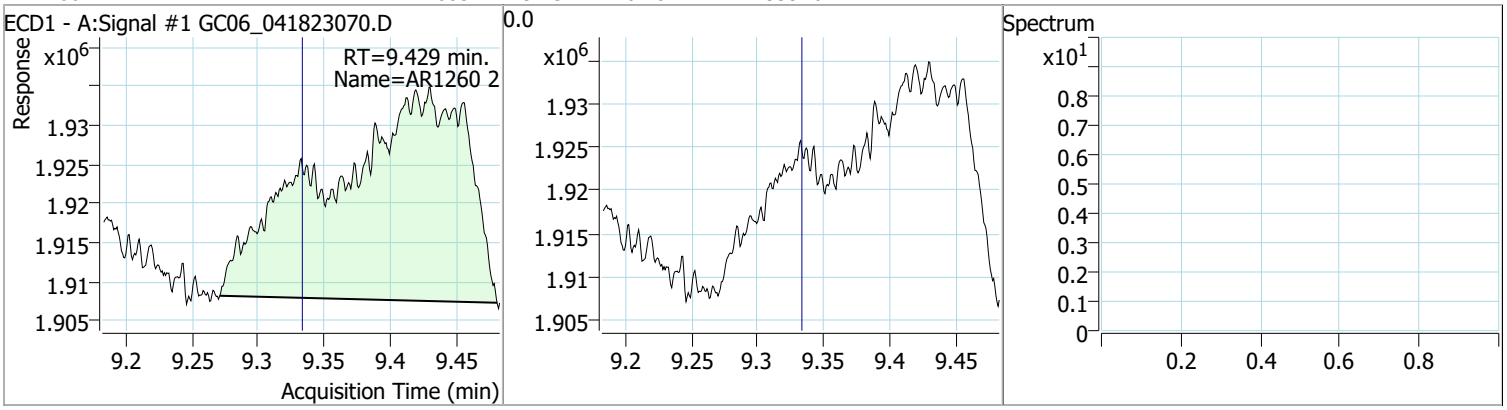
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.7206	7.82	-0.05	64216				



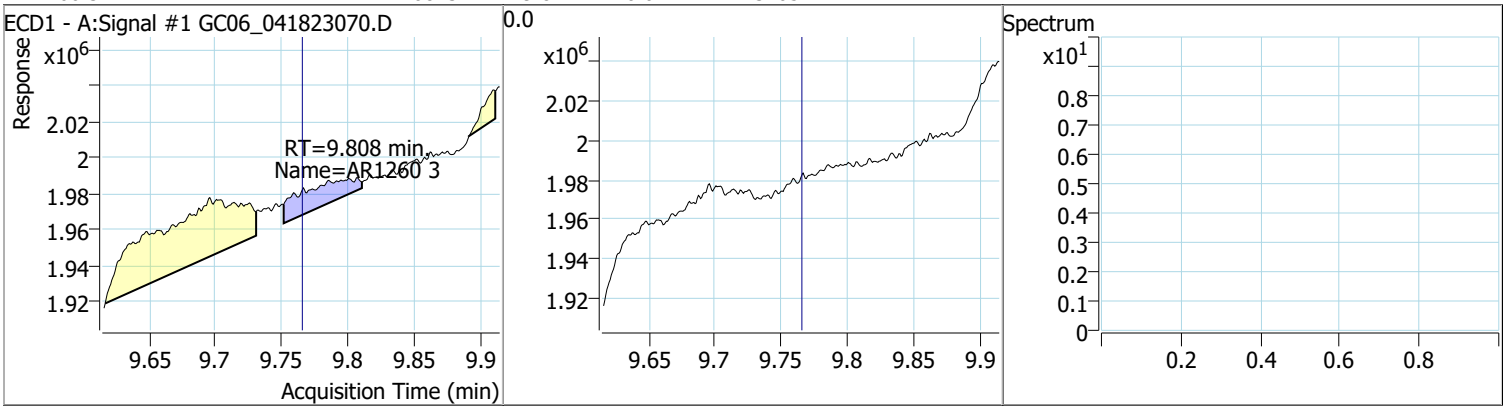
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.9239	8.78	-0.10	345669				



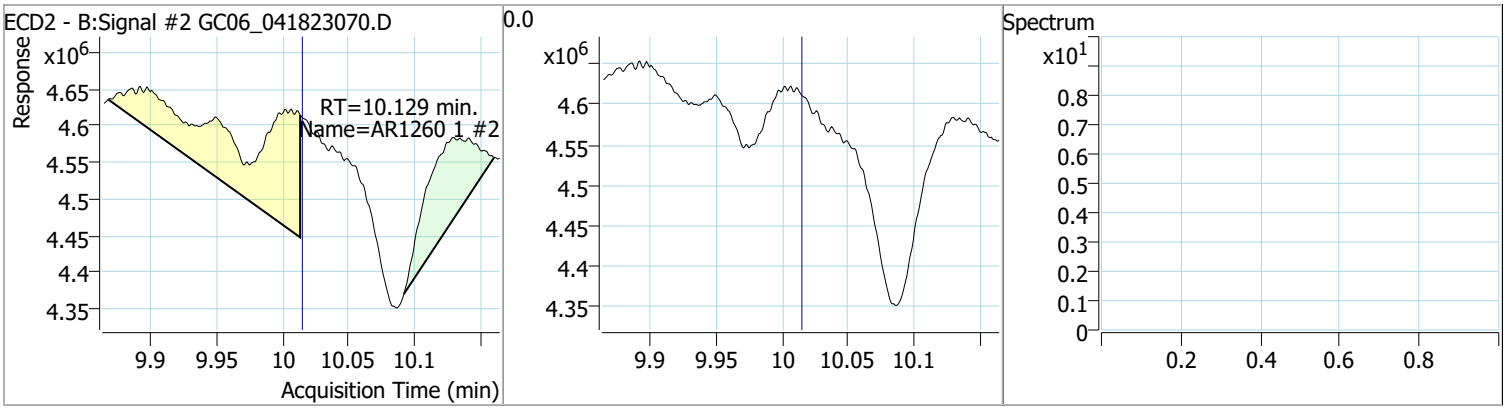
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.1685	9.43	0.10	199946				



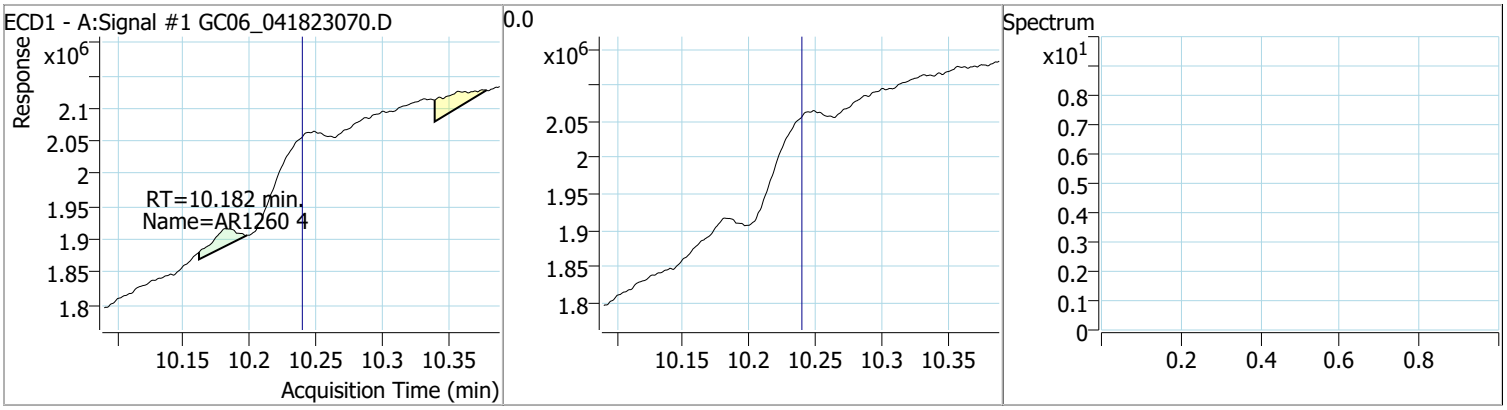
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.0873	9.81	0.04	37051				



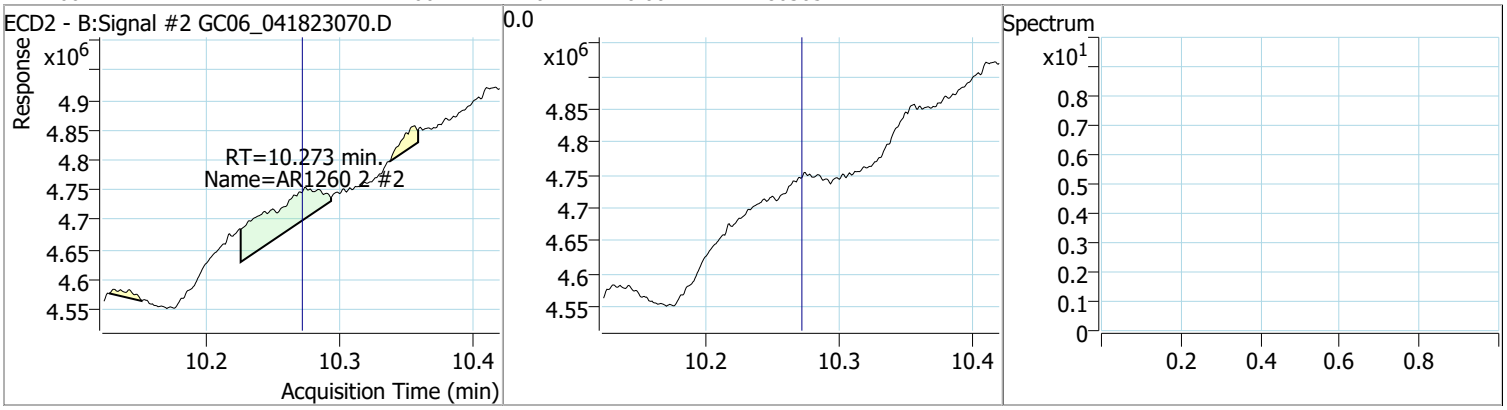
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	14.9144	10.13	0.11	293157				



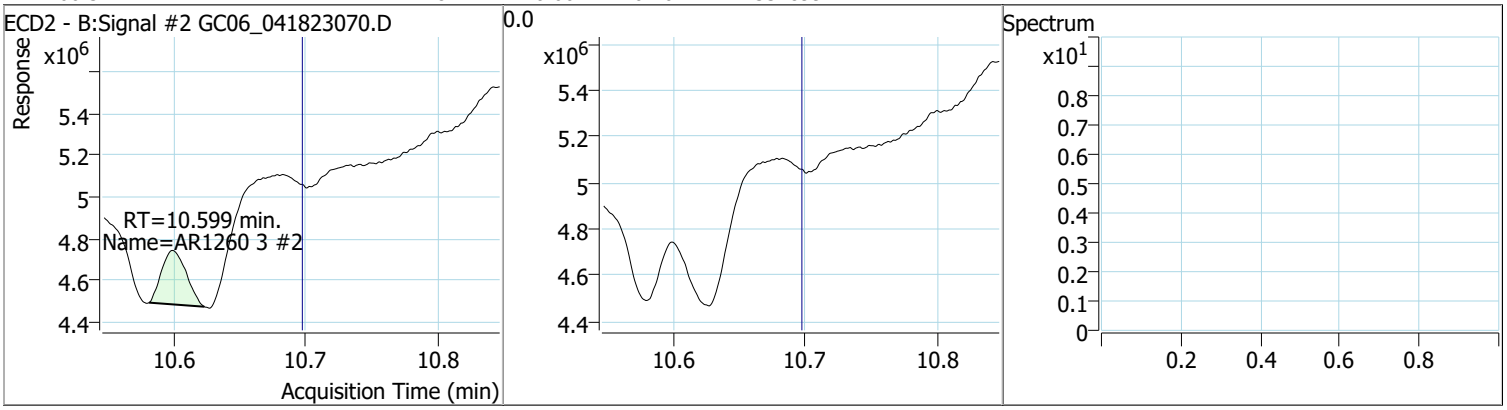
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	6.1925	10.18	-0.06	34742				



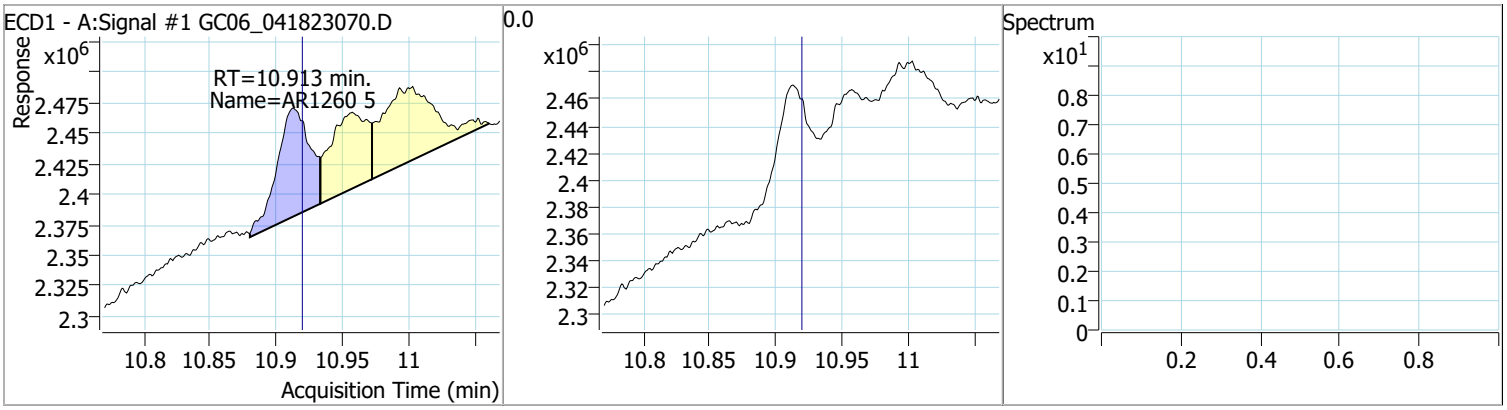
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	7.6614	10.27	0.00	186305				



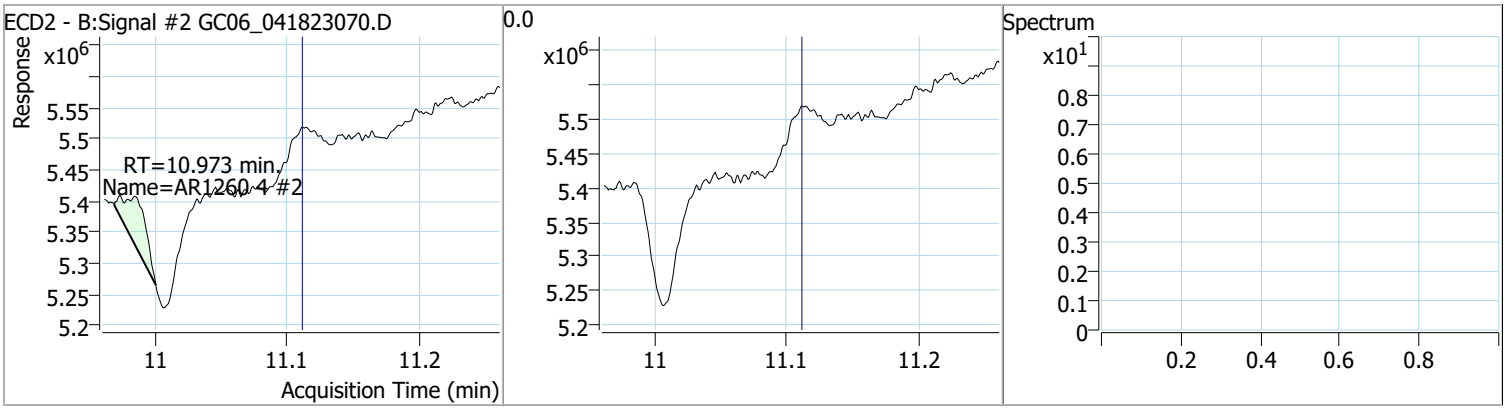
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.1847	10.60	-0.10	334899				



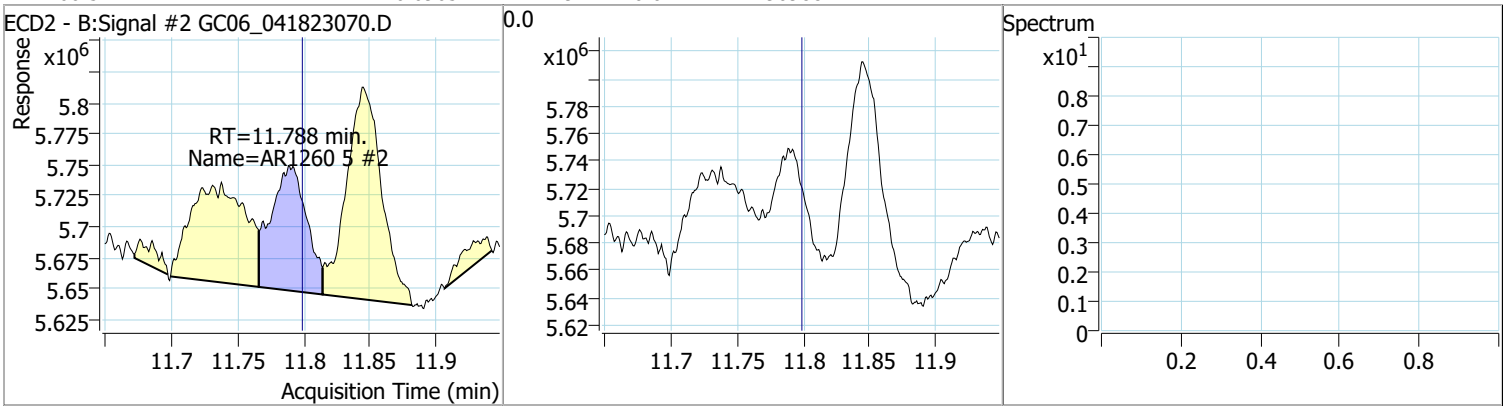
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.6707	10.91	-0.01	153478				



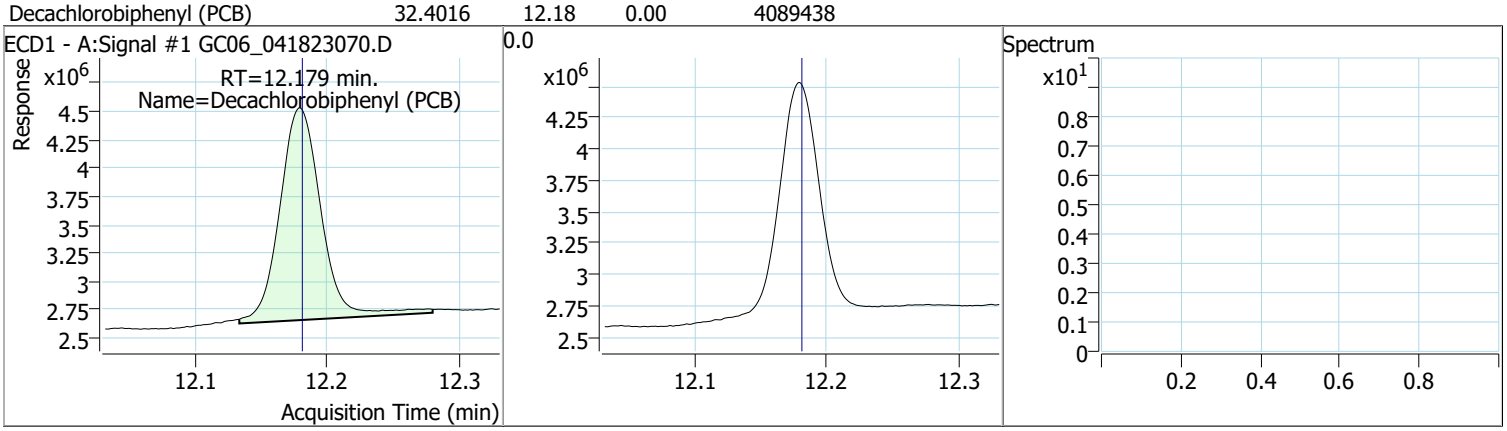
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.1163	10.97	-0.14	89876				



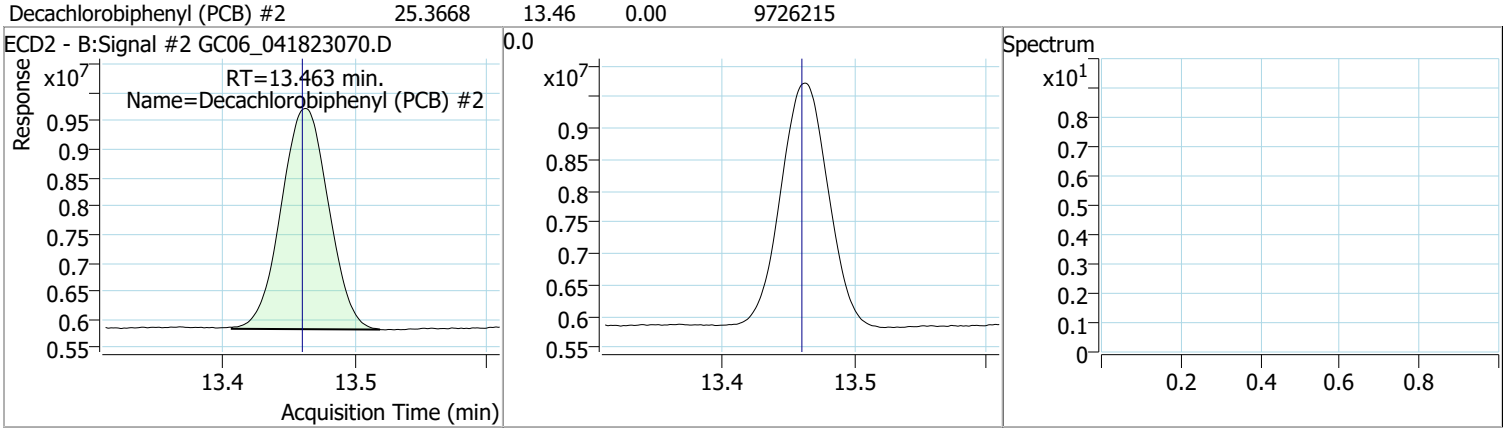
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.6965	11.79	-0.01	190988				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.4016	12.18	0.00	4089438				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.3668	13.46	0.00	9726215				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-021	Client ID:	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF
Seqnum:	453156076071	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823071	Batch:	312006	Time:	19-APR-2023 06:06
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	46.63	ND	0.88	61%	0.50		u
Aroclor-1016 Peak # 1	B	49.65	0.50	0.90	58%			
Aroclor-1016 Peak # 2	B	25.22	0.25	0.08	102%			
Aroclor-1016 Peak # 3	B	154.9	1.55	0.57	93%			
Aroclor-1016 Peak # 4	B	0.8395	0.01	1.69	198%			
Aroclor-1016 Peak # 5	B	2.559	0.03	1.14	191%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	14.46	ND	0.27	62%	0.50		u
Aroclor-1260 Peak # 1	B	38.58	0.39	1.11	97%			
Aroclor-1260 Peak # 2	B	2.605	0.03	0.08	99%			
Aroclor-1260 Peak # 3	B	10.94	0.11	0.02	142%			
Aroclor-1260 Peak # 4	B	16.66	0.17	0.04	129%			
Aroclor-1260 Peak # 5	B	3.528	0.04	0.13	116%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.89	0.5000	0.3889	78	19-121	u
Decachlorobiphenyl (PCB)	B	30.13	0.5000	0.3013	60	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7834308	-33.59
1-bromo-2-nitrobenzene (PCB)	A	3171036	2068608	-34.77

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

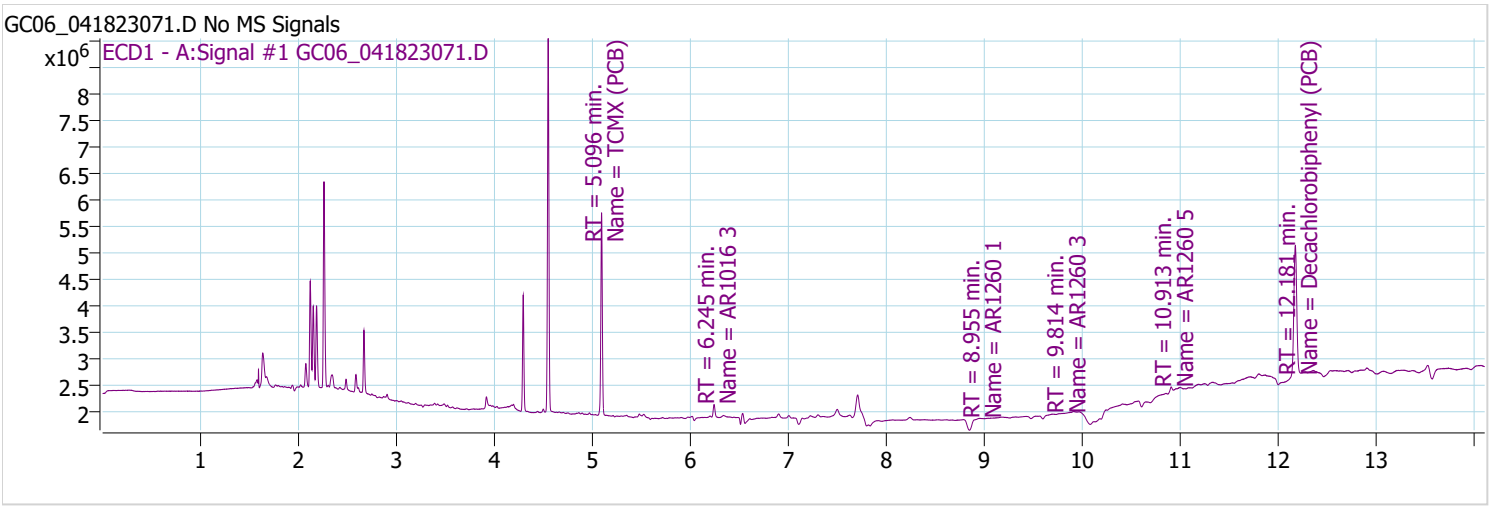
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

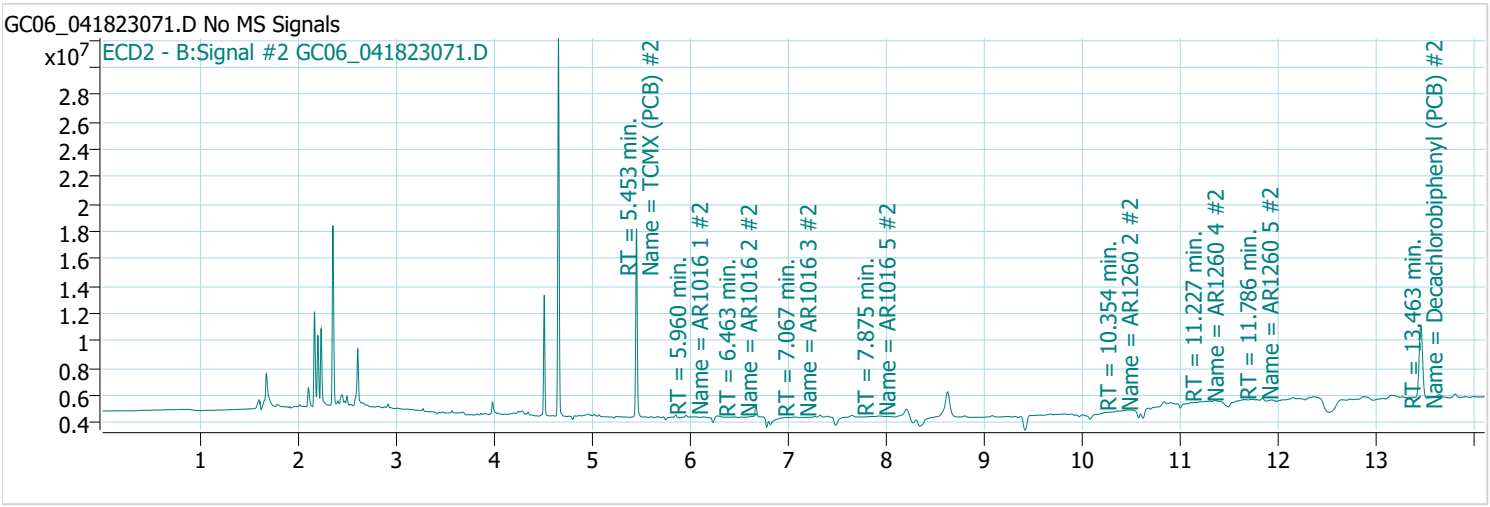
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Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823071.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 6:06:58 AM
Sample Name	483449-021, 312006, 1	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



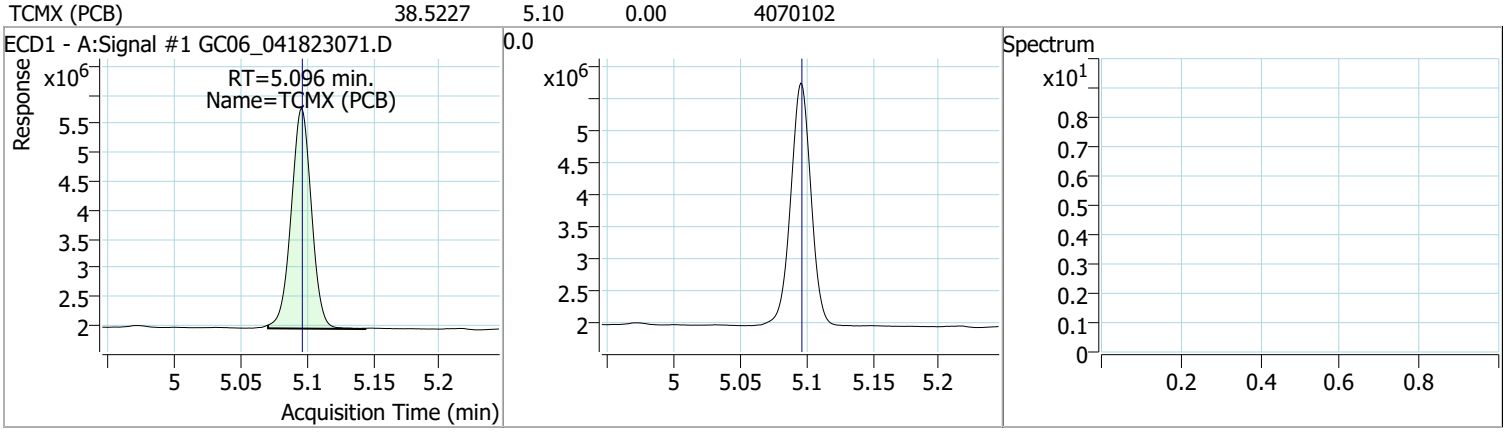


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.296	0.0	2068607.788	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	7834308.224	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.096	0.0	4070101.636	38.5227	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.61%		*	
S TCMX (PCB) #2	5.453	0.0	15088879.289	38.8950	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.47%		*	
S Decachlorobiphenyl (PCB)	12.181	0.0	5363674.313	36.7952	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.98%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	13134805.389	30.1254	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.63%		*	
Target Compounds							QValue

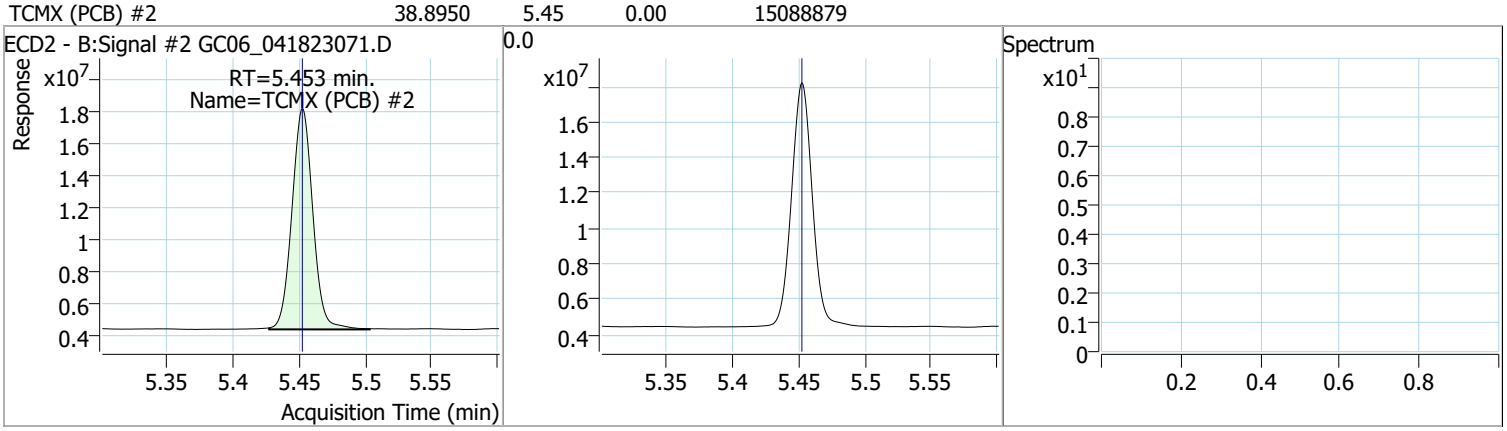
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.483	0.0	193588.555	89.9806	ng/ml	100
T AR1016 2	5.787	0.0	37821.139	8.1936	ng/ml	100
T AR1016 1 #2	5.960	0.0	399793.067	49.6468	ng/ml	100
T AR1016 3	6.245	0.0	326090.355	56.7887	ng/ml	100
T AR1016 2 #2	6.463	0.0	428269.740	25.2191	ng/ml	100
T AR1016 4	6.378	0.0	715482.441	169.4669	ng/ml	100
T AR1016 5	6.538	0.0	283465.440	114.4769	ng/ml	100
T AR1016 3 #2	7.067	0.0	3337816.074	154.9078	ng/ml	100
T AR1016 4 #2	7.148	0.0	13013.893	0.8395	ng/ml	100
T AR1016 5 #2	7.875	0.0	32660.833	2.5587	ng/ml	100
T AR1260 1	8.955	0.0	764138.499	110.8656	ng/ml	100
T AR1260 2	9.328	0.0	80437.825	7.7217	ng/ml	100
T AR1260 3	9.814	0.0	19522.341	1.8646	ng/ml	100
T AR1260 1 #2	10.008	0.0	862280.603	38.5783	ng/ml	100
T AR1260 4	10.188	0.0	23110.533	3.5665	ng/ml	100
T AR1260 2 #2	10.354	0.0	72021.553	2.6046	ng/ml	100
T AR1260 3 #2	10.599	0.0	372401.384	10.9374	ng/ml	100
T AR1260 5	10.913	0.0	186772.638	13.3505	ng/ml	100
T AR1260 4 #2	11.227	0.0	332880.437	16.6645	ng/ml	100
T AR1260 5 #2	11.786	0.0	114434.852	3.5285	ng/ml	100

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

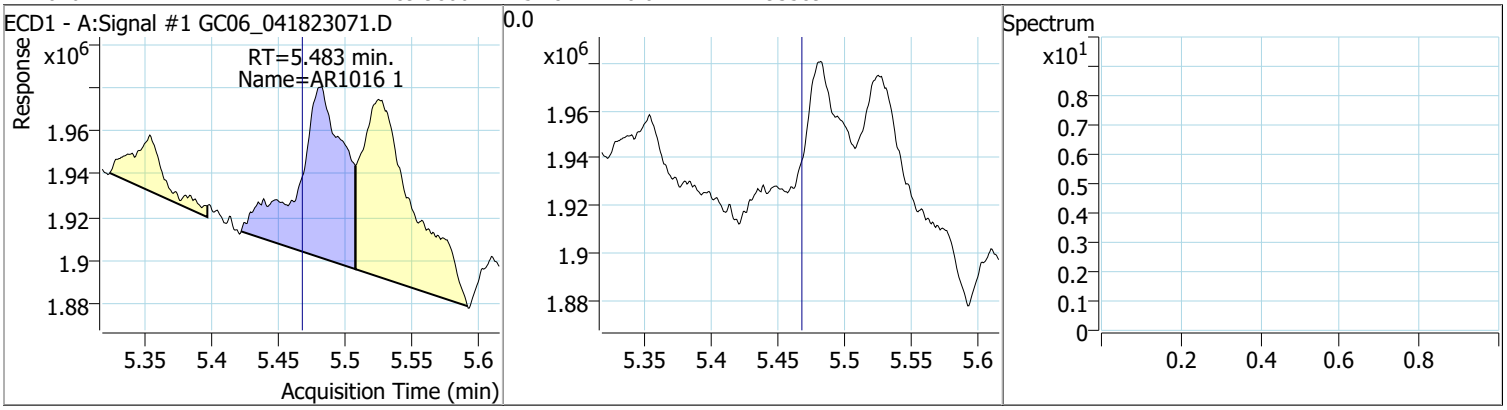
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.5227	5.10	0.00	4070102				



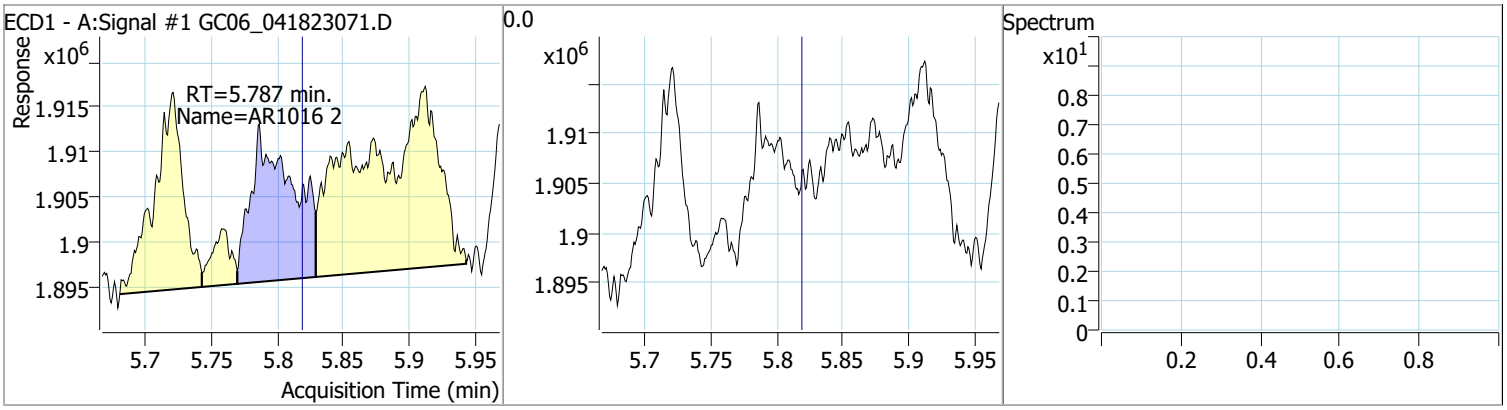
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.8950	5.45	0.00	15088879				



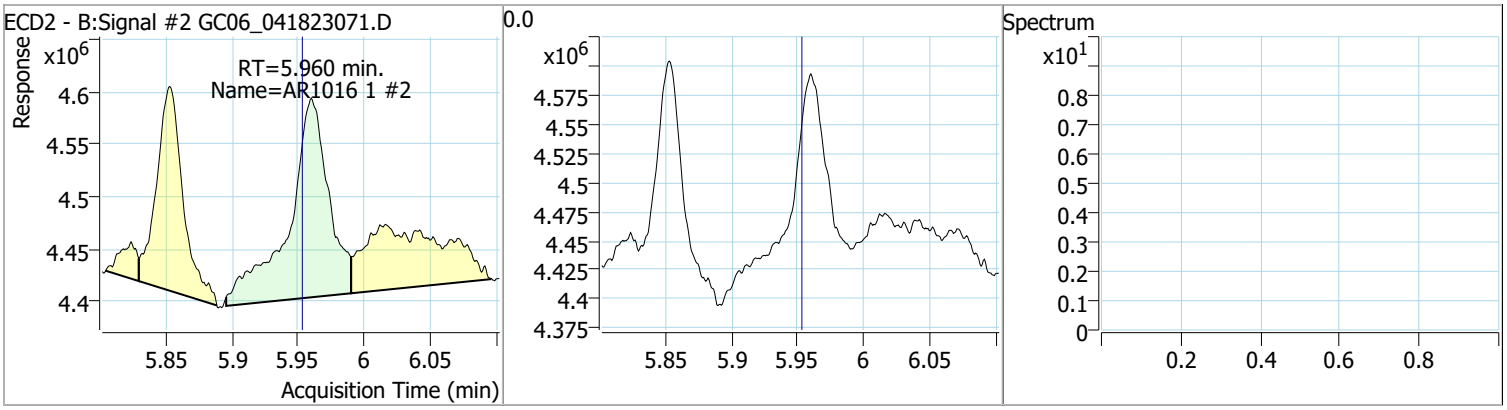
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	89.9806	5.48	0.01	193589				



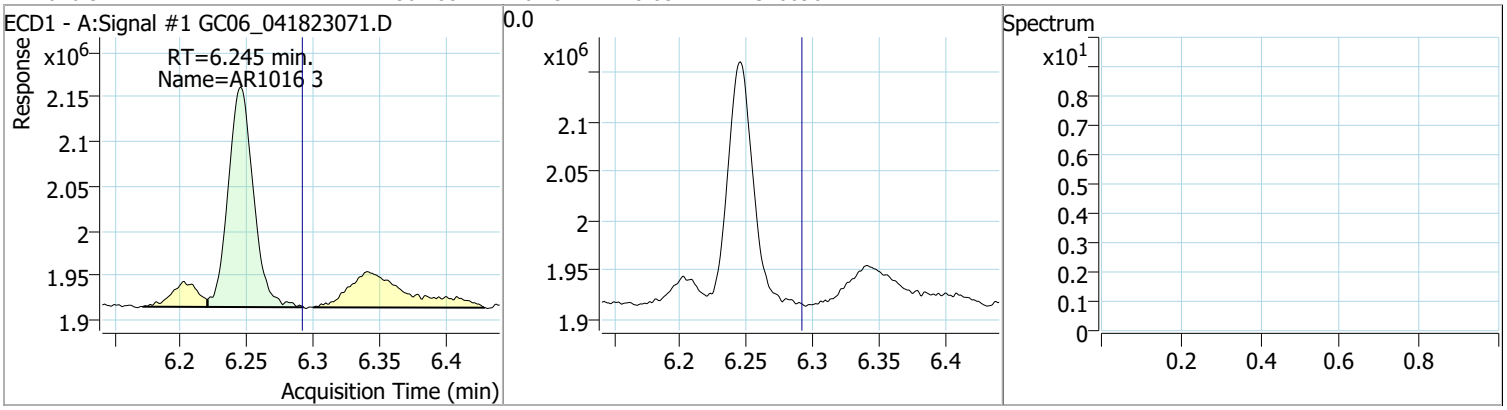
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	8.1936	5.79	-0.03	37821				



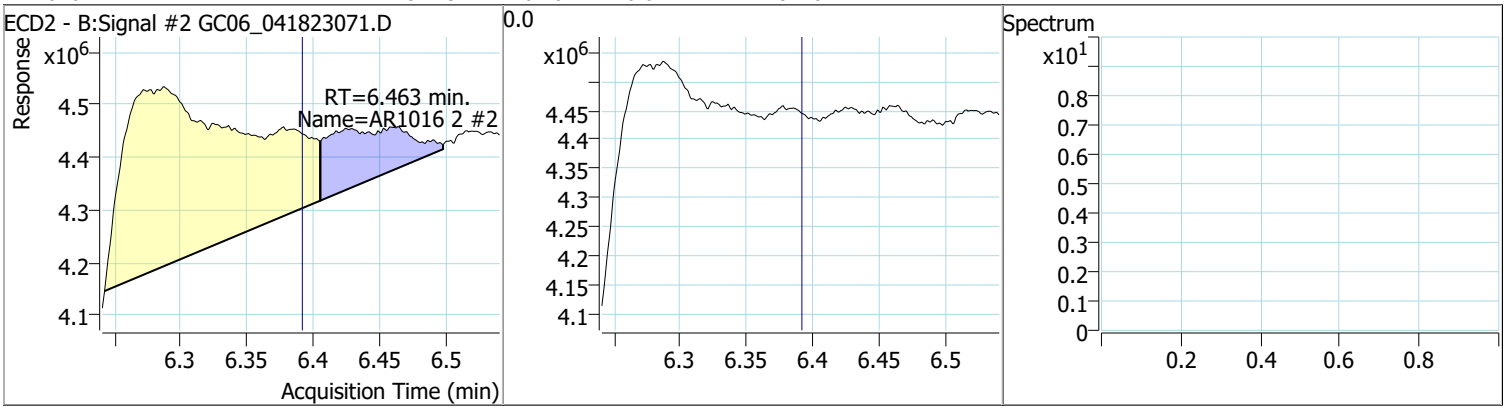
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	49.6468	5.96	0.01	399793				



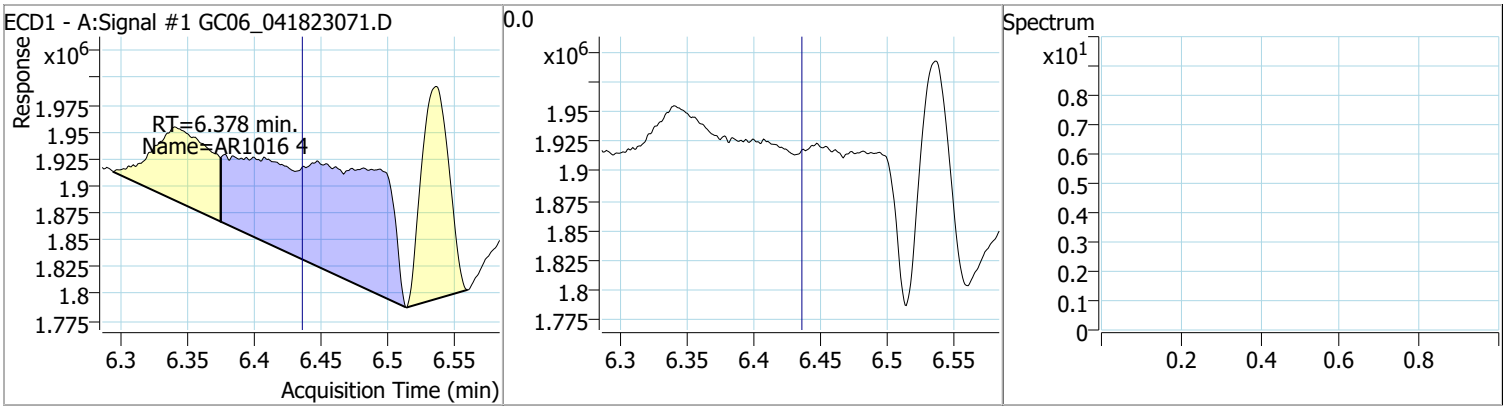
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	56.7887	6.25	-0.05	326090				



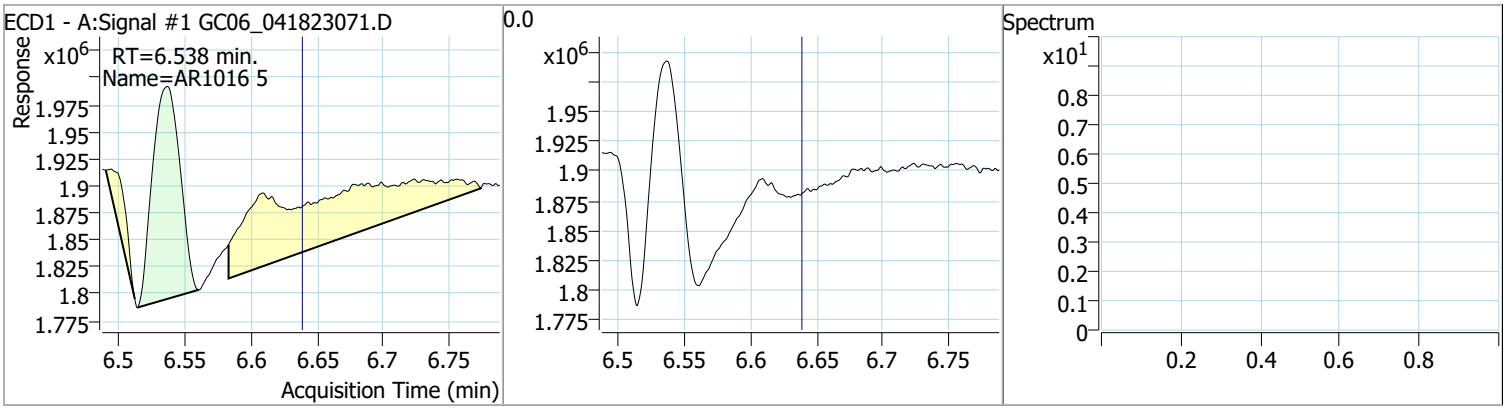
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.2191	6.46	0.07	428270				



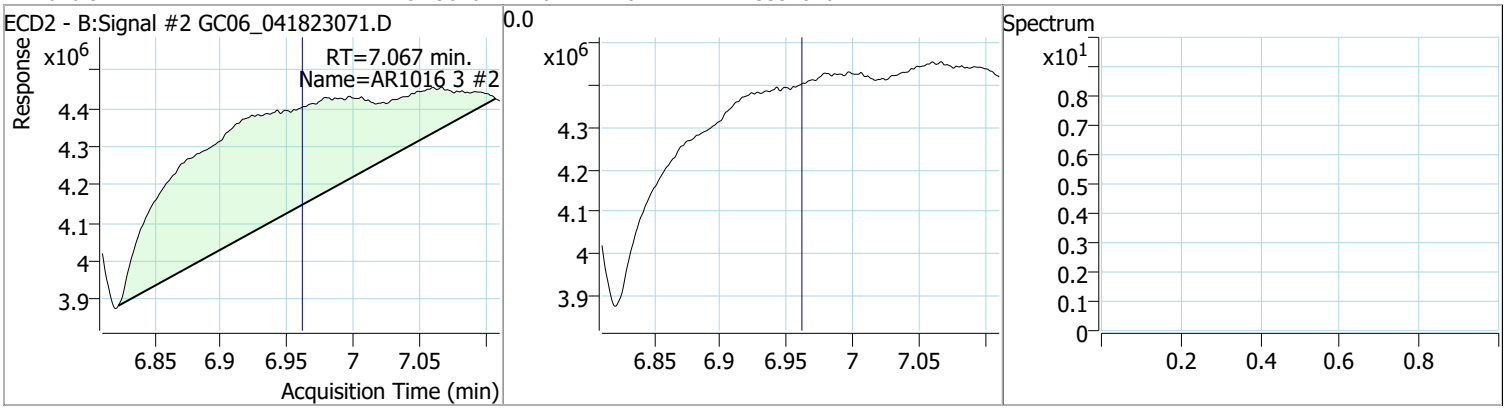
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	169.4669	6.38	-0.06	715482				



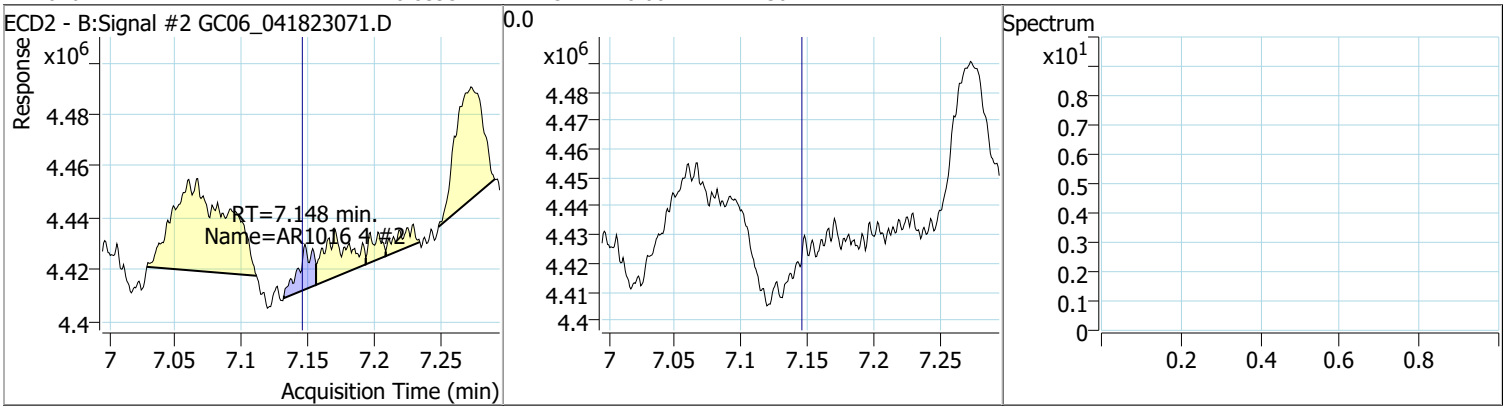
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	114.4769	6.54	-0.10	283465				



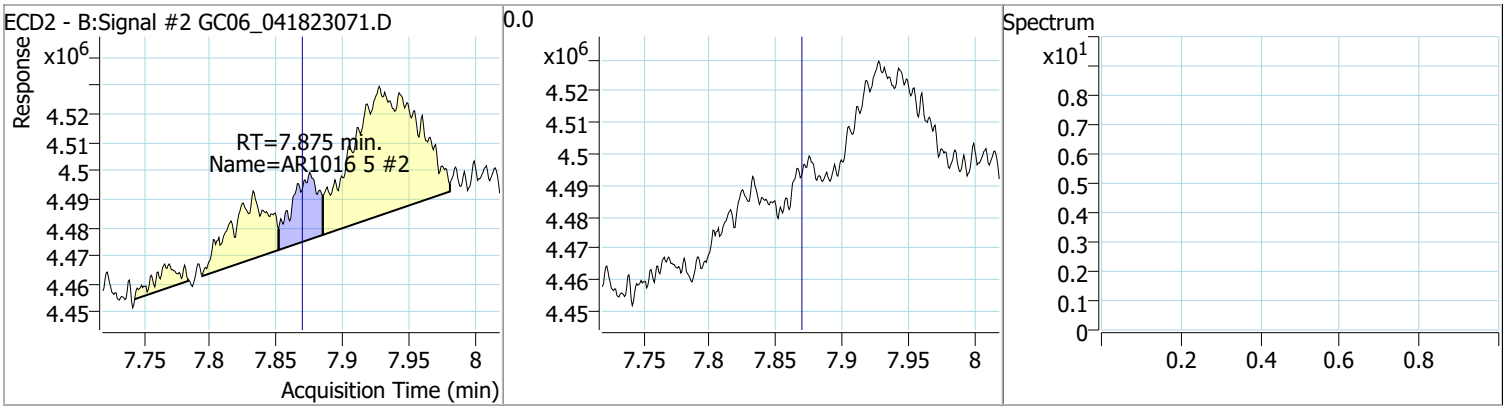
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	154.9078	7.07	0.11	3337816				



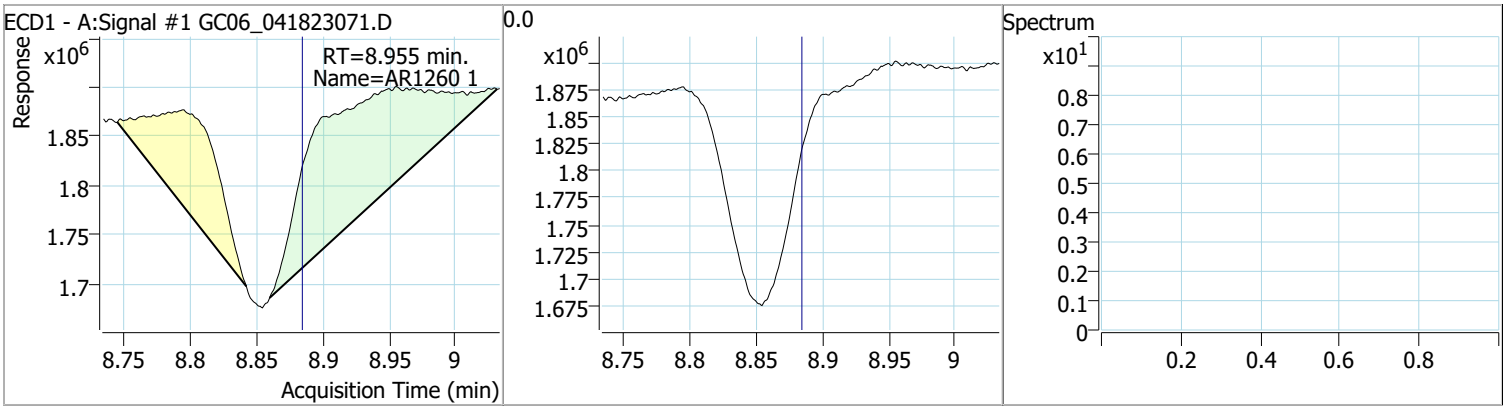
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8395	7.15	0.00	13014				



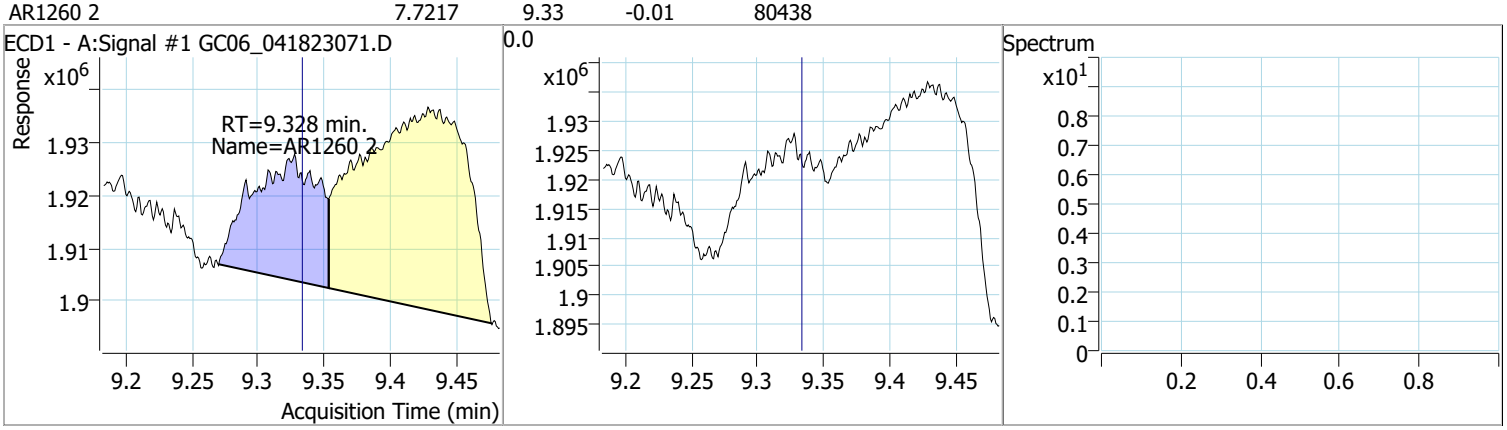
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.5587	7.88	0.01	32661				



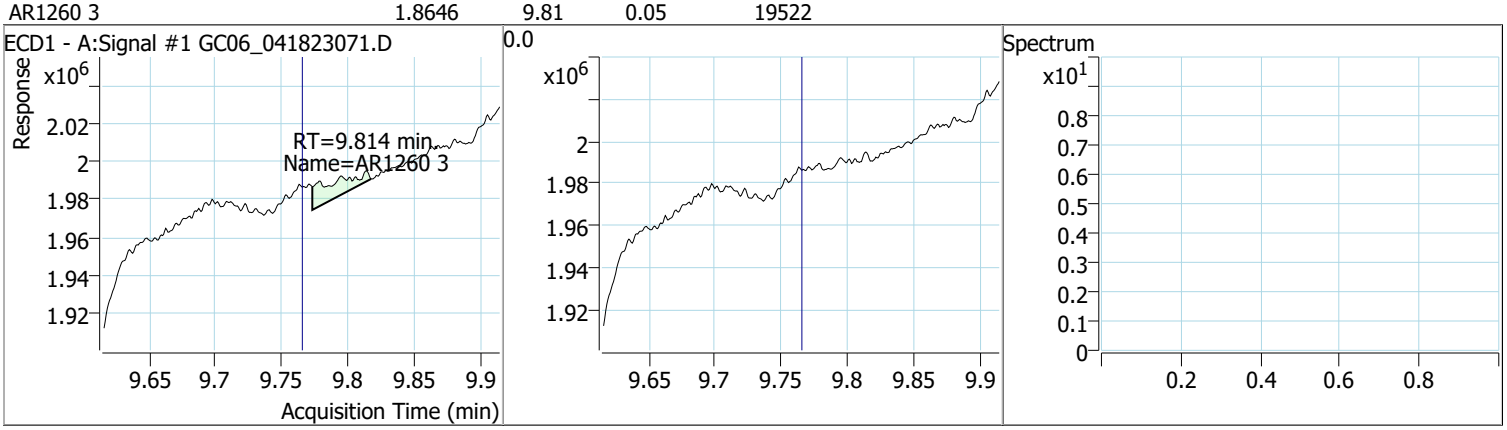
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	110.8656	8.96	0.07	764138				



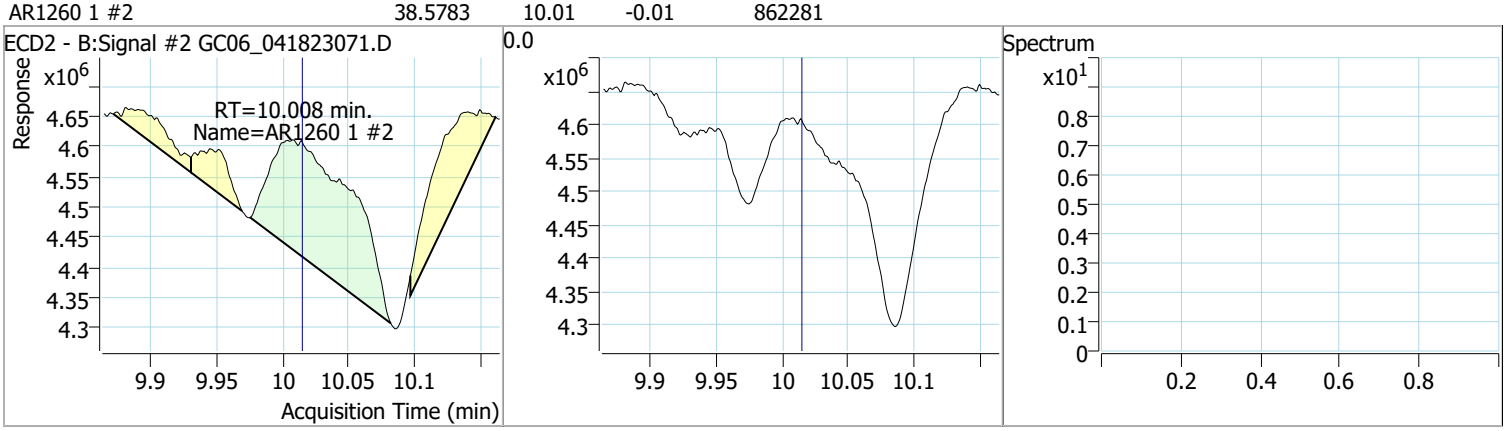
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	7.7217	9.33	-0.01	80438				



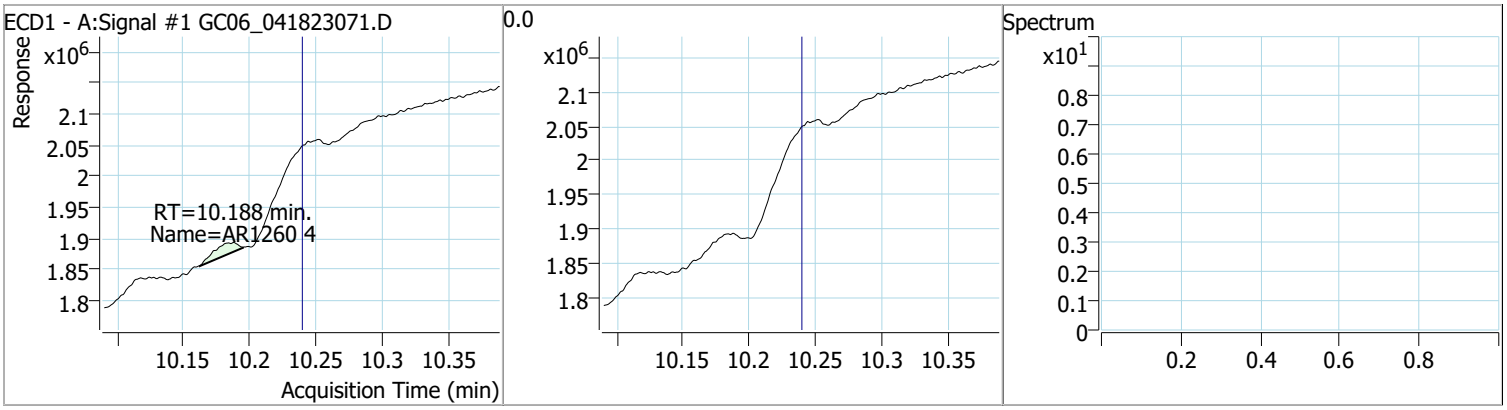
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.8646	9.81	0.05	19522				



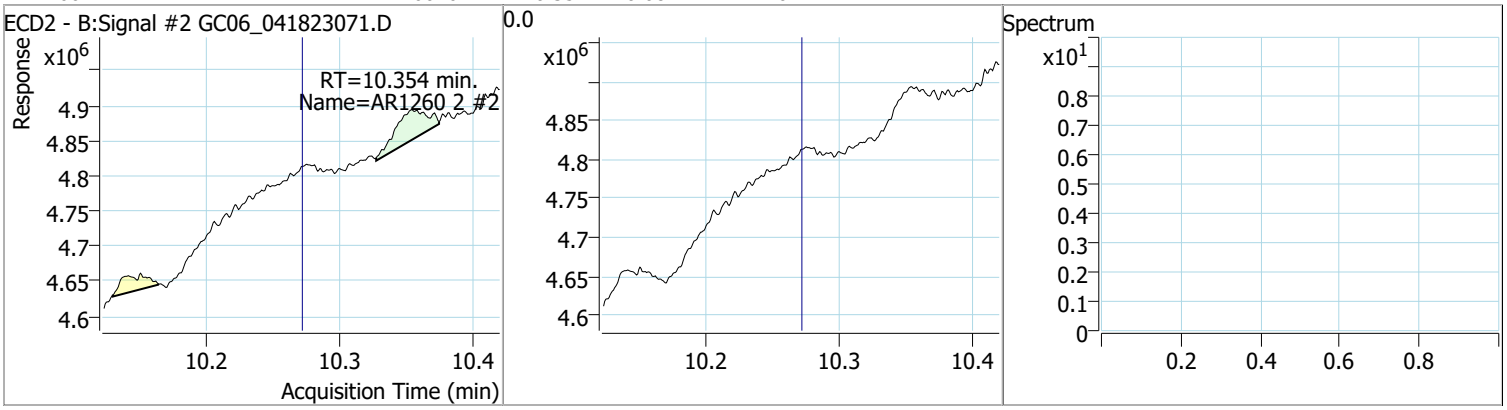
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	38.5783	10.01	-0.01	862281				



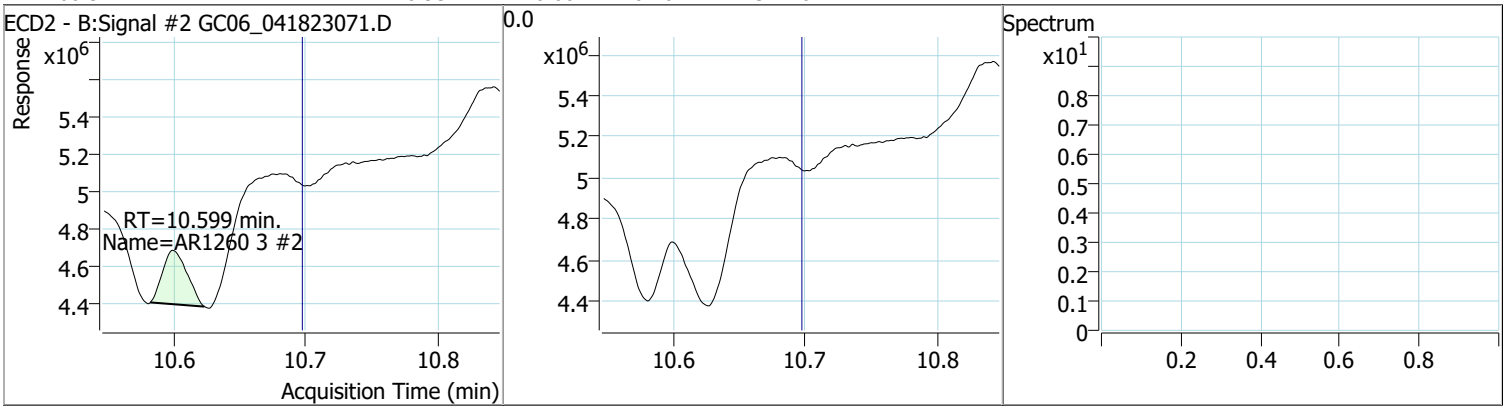
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	3.5665	10.19	-0.05	23111				



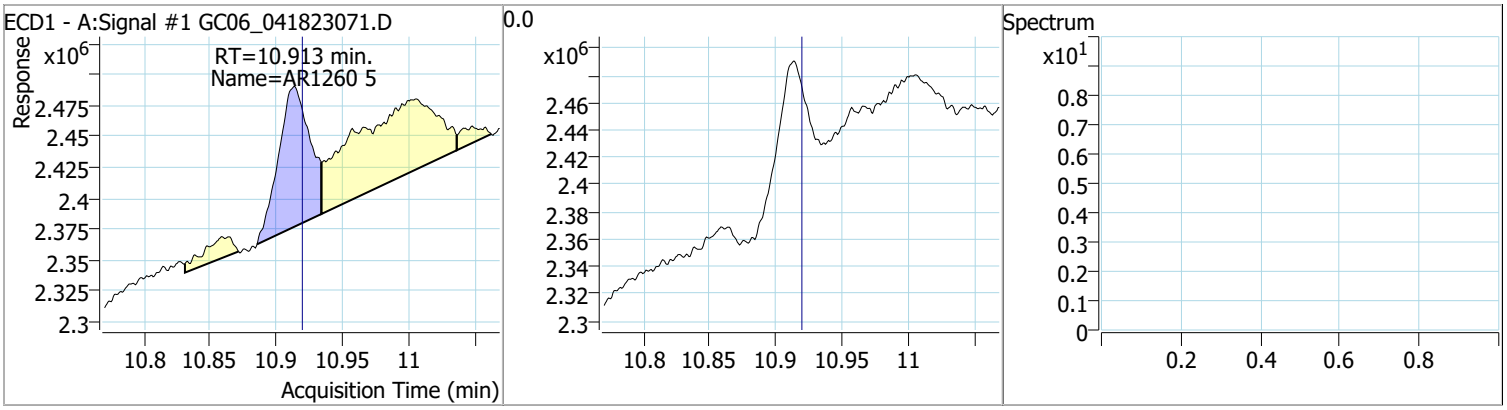
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.6046	10.35	0.08	72022				



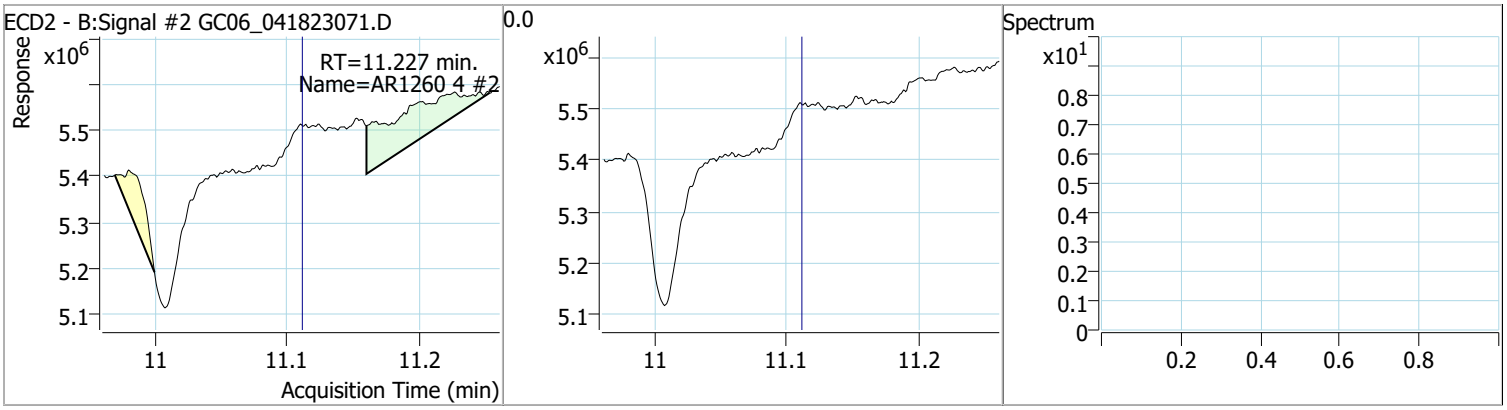
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.9374	10.60	-0.10	372401				



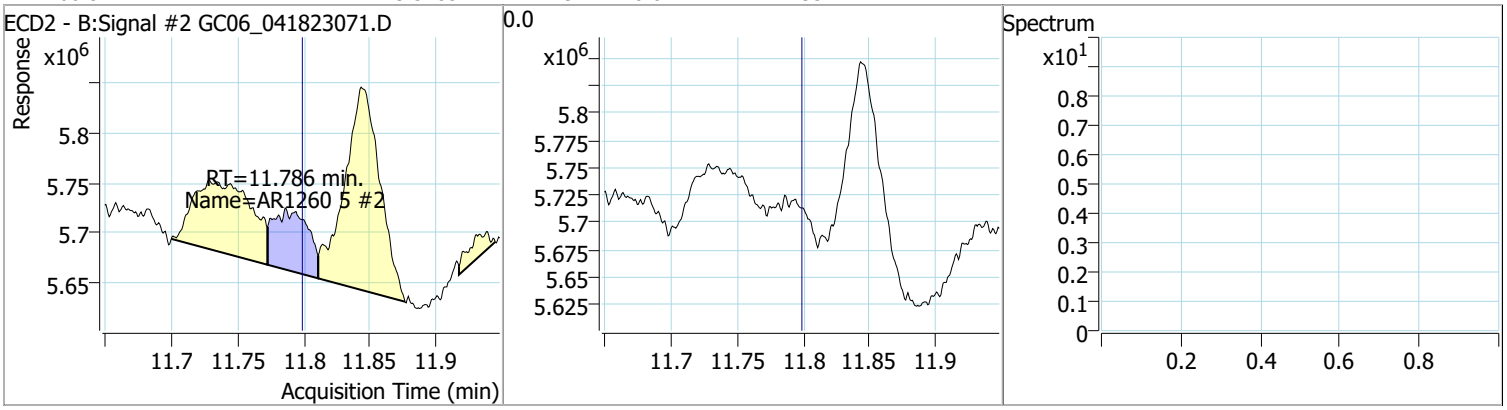
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.3505	10.91	-0.01	186773				



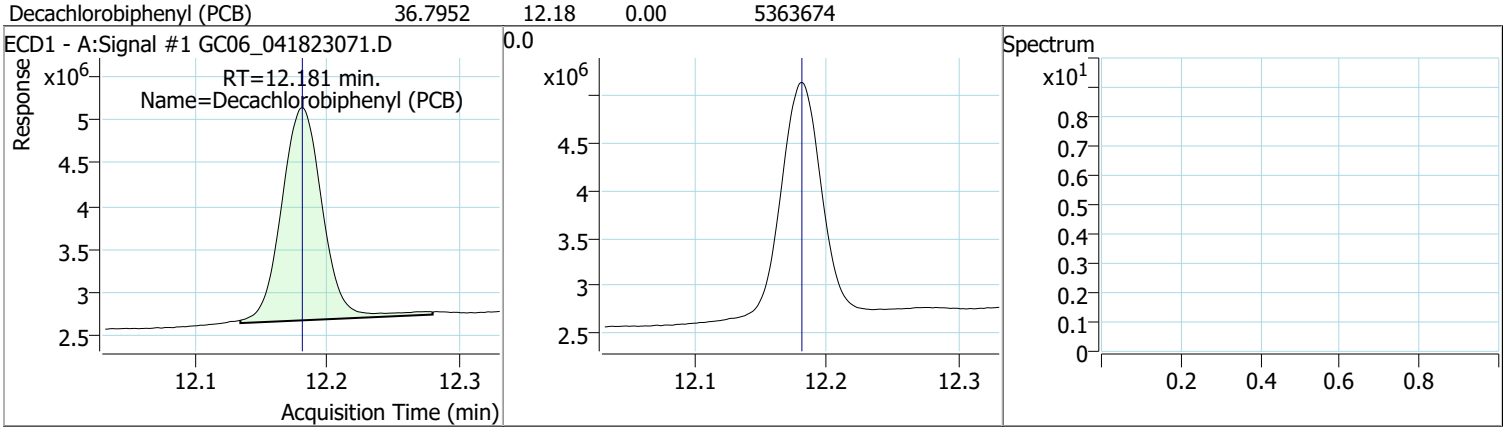
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	16.6645	11.23	0.11	332880				



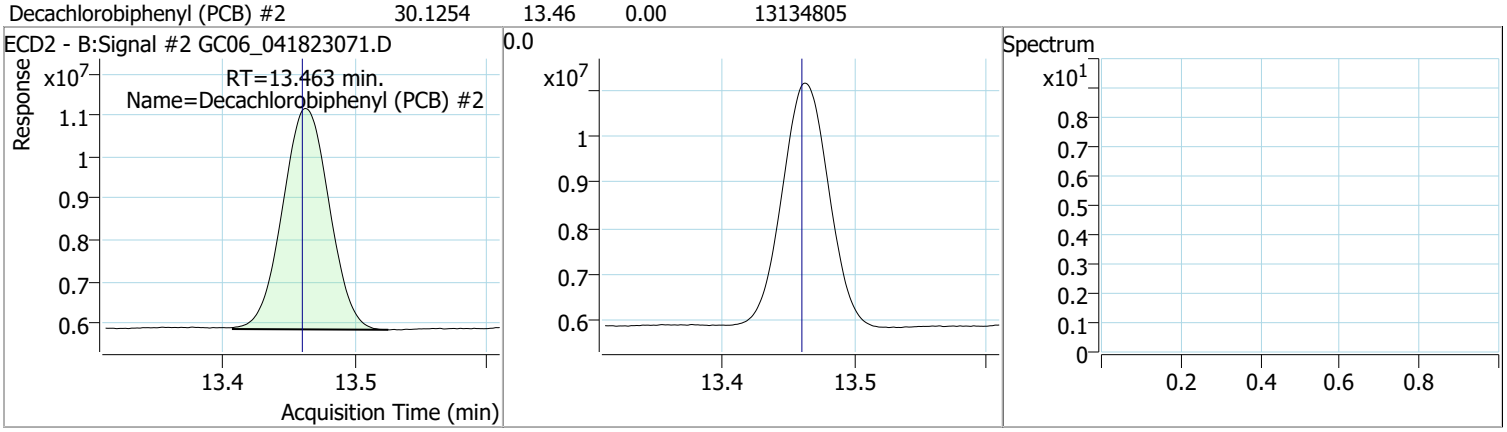
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	3.5285	11.79	-0.01	114435				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.7952	12.18	0.00	5363674				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.1254	13.46	0.00	13134805				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	483449-023	Client ID:	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA
Seqnum:	453156076072	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_041823072	Batch:	312006	Time:	19-APR-2023 06:25
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	49.07	ND	1.0	70%	0.50		u
Aroclor-1016 Peak # 1	B	37.66	0.38	1.03	93%			
Aroclor-1016 Peak # 2	B	22.87	0.23	0.07	109%			
Aroclor-1016 Peak # 3	B	171.1	1.71	0.73	80%			
Aroclor-1016 Peak # 4	B	9.313	0.09	2.28	184%			
Aroclor-1016 Peak # 5	B	4.400	0.04	0.97	183%			
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	78.18	~~0.78~~ ~~FP~~	0.28	95%	0.50		x u
Aroclor-1260 Peak # 1	B	37.96	0.38	1.05	94%			
Aroclor-1260 Peak # 2	B	6.129	0.06	0.10	48%			
Aroclor-1260 Peak # 3	B	287.8	2.88	0.12	184%			
Aroclor-1260 Peak # 4	B	51.40	0.51	0.02	185%			
Aroclor-1260 Peak # 5	B	7.564	0.08	0.10	25%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.85	0.5000	0.3785	76	19-121	u
Decachlorobiphenyl (PCB)	B	27.13	0.5000	0.2713	54	19-121	u

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

ISTD (ICAL gc06_041823008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2437259	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	9008605	**???**	**-100.00 ***

ISTD (ICAL gc06_041823009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8735054	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2387453	**???**	**-100.00 ***

ISTD (CCV gc06_041823055)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	11797408	7794522	-33.93
1-bromo-2-nitrobenzene (PCB)	A	3171036	2055861	-35.17

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

ISTD (ICAL gc06_041823008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.30	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.51	**???**	

ISTD (ICAL gc06_041823009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.51	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.30	**???**	

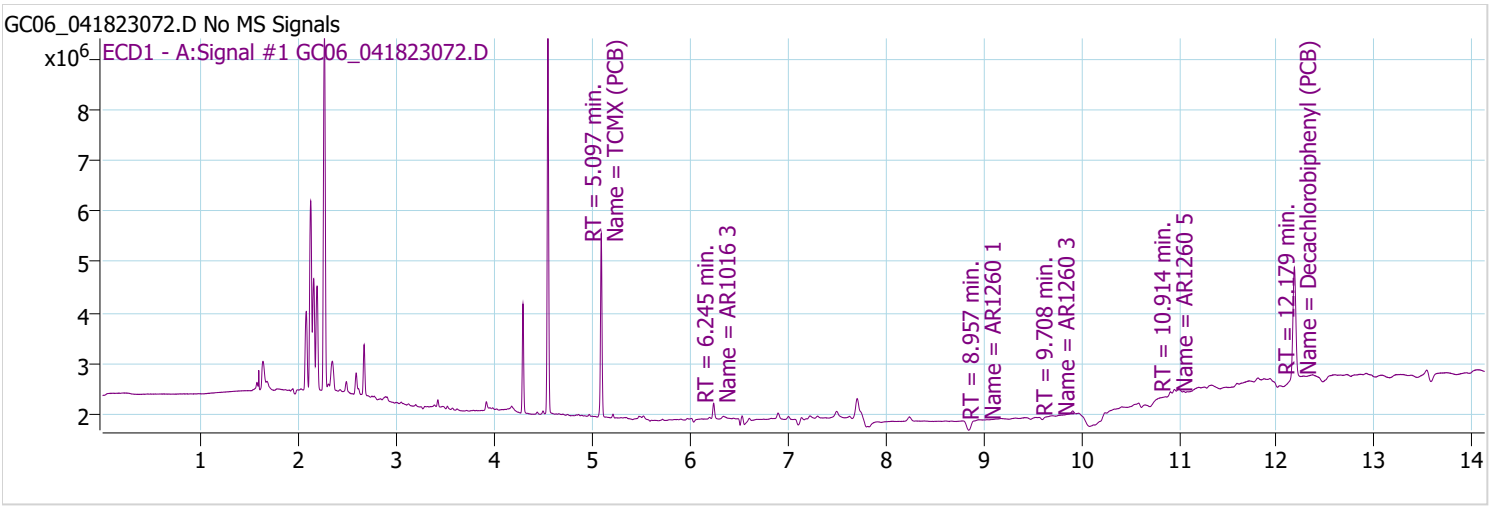
ISTD (CCV gc06_041823055)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.51	4.51	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.30	4.30	0.00

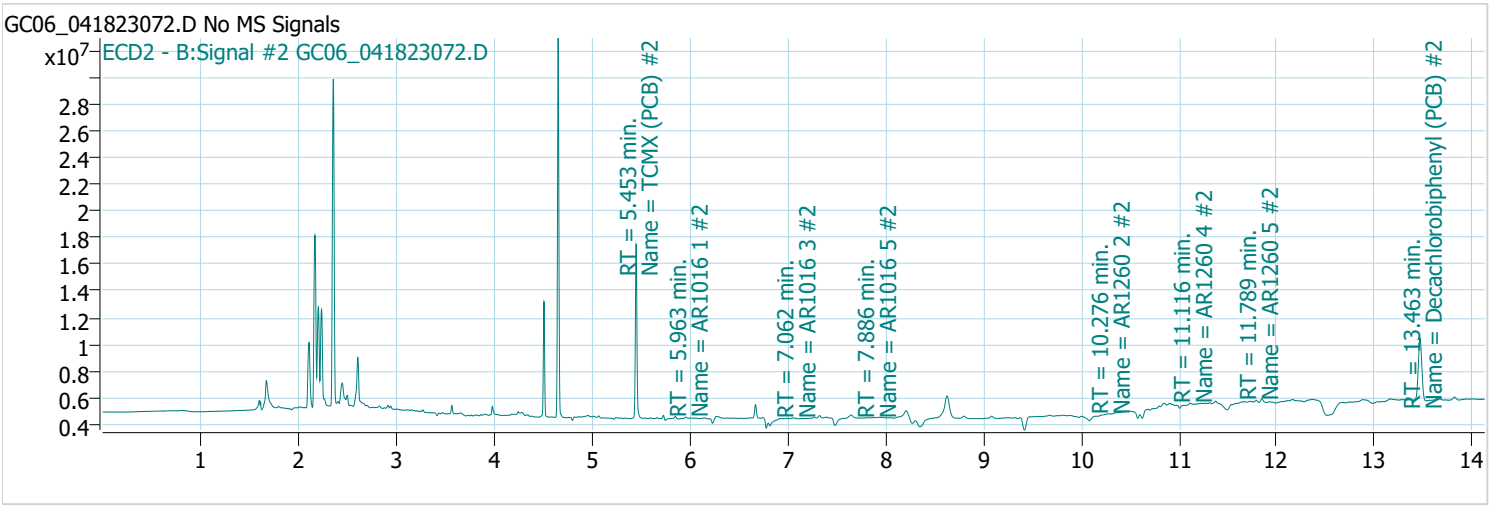
u=use x=false positive

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823072.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 6:25:17 AM
Sample Name	483449-023, 312006, 1	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



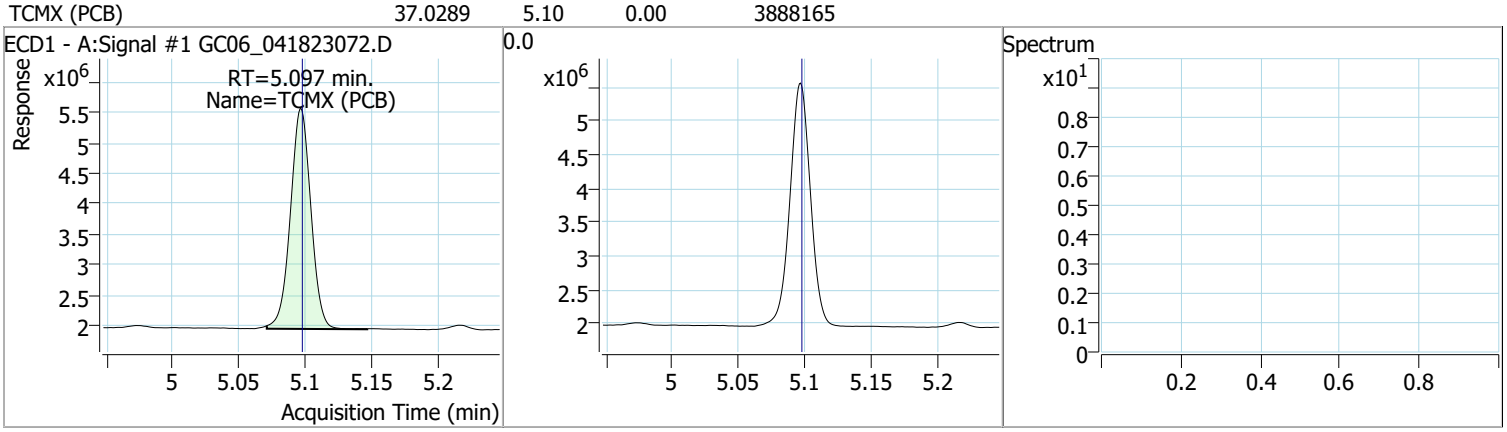


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.297	0.0	2055860.519	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.511	0.0	7794521.979	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.097	0.0	3888165.410	37.0289	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.14%		*	
S TCMX (PCB) #2	5.453	0.0	14609427.408	37.8513	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.26%		*	
S Decachlorobiphenyl (PCB)	12.179	0.0	5077894.319	35.0507	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.25%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	11768440.008	27.1294	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.65%			
Target Compounds							QValue

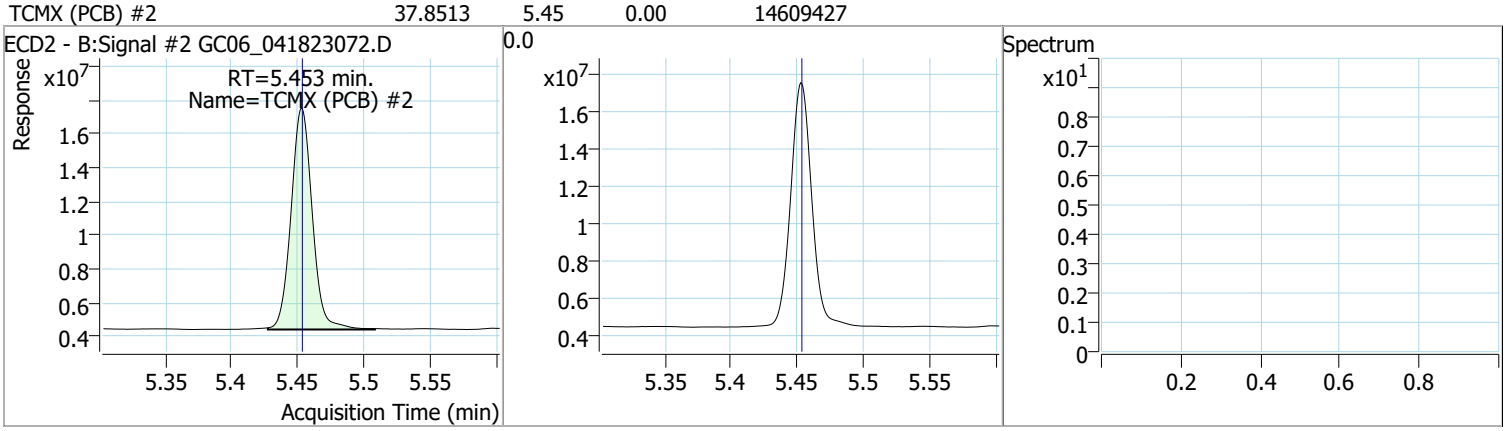
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.483	0.0	220304.400	103.0331	ng/ml	100
T AR1016 2	5.844	0.0	31117.582	6.7831	ng/ml	100
T AR1016 1 #2	5.963	0.0	301766.918	37.6650	ng/ml	100
T AR1016 3	6.245	0.0	416533.318	72.9892	ng/ml	100
T AR1016 2 #2	6.384	0.0	386463.328	22.8735	ng/ml	100
T AR1016 4	6.345	0.0	956612.396	227.9850	ng/ml	100
T AR1016 5	6.610	0.0	237760.998	96.6146	ng/ml	100
T AR1016 3 #2	7.062	0.0	3667748.584	171.0888	ng/ml	100
T AR1016 4 #2	7.062	0.0	143632.720	9.3133	ng/ml	100
T AR1016 5 #2	7.886	0.0	55878.383	4.3999	ng/ml	100
T AR1260 1	8.957	0.0	722309.617	105.4466	ng/ml	100
T AR1260 2	9.332	0.0	103238.165	9.9718	ng/ml	100
T AR1260 3	9.708	0.0	126126.249	12.1214	ng/ml	100
T AR1260 1 #2	10.005	0.0	844074.595	37.9565	ng/ml	100
T AR1260 4	10.128	0.0	13144.364	2.0411	ng/ml	100
T AR1260 2 #2	10.276	0.0	168621.412	6.1291	ng/ml	100
T AR1260 3 #2	10.845	0.0	9750824.950	287.8415	ng/ml	100
T AR1260 5	10.914	0.0	134958.576	9.7066	ng/ml	100
T AR1260 4 #2	11.116	0.0	1021600.989	51.4039	ng/ml	100
T AR1260 5 #2	11.789	0.0	244076.506	7.5643	ng/ml	100

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

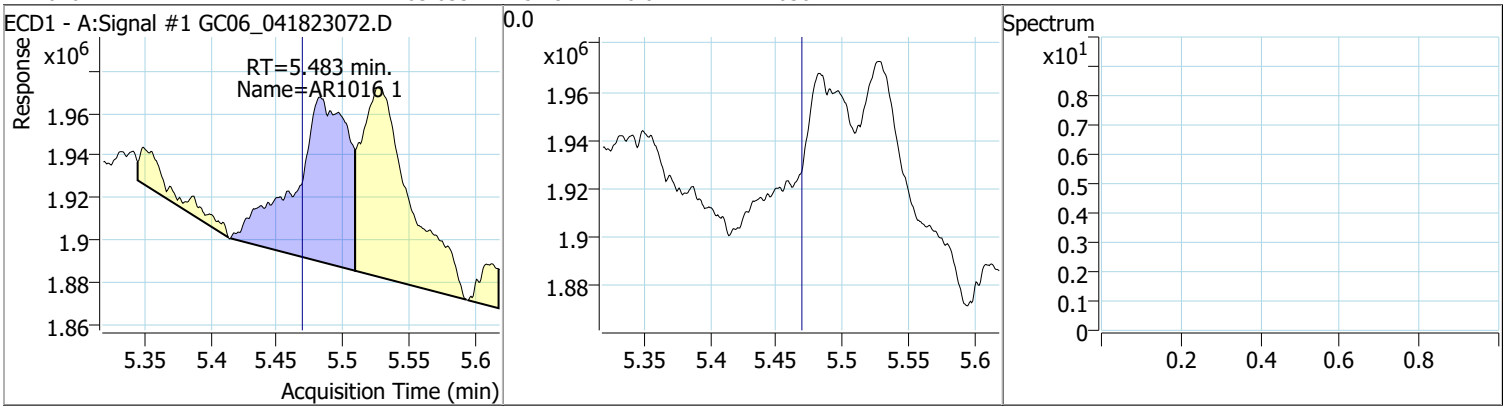
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0289	5.10	0.00	3888165				



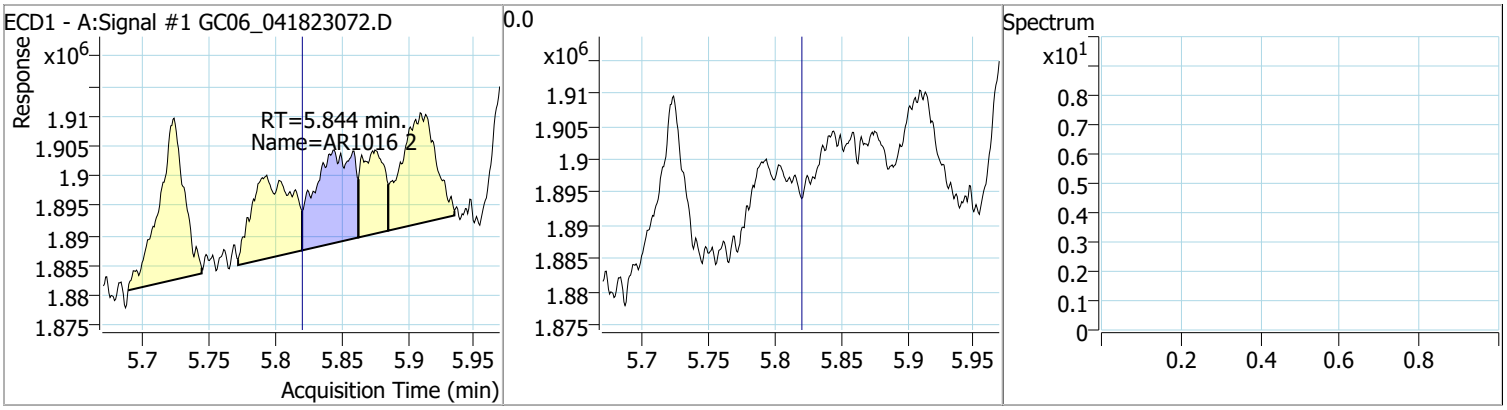
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.8513	5.45	0.00	14609427				



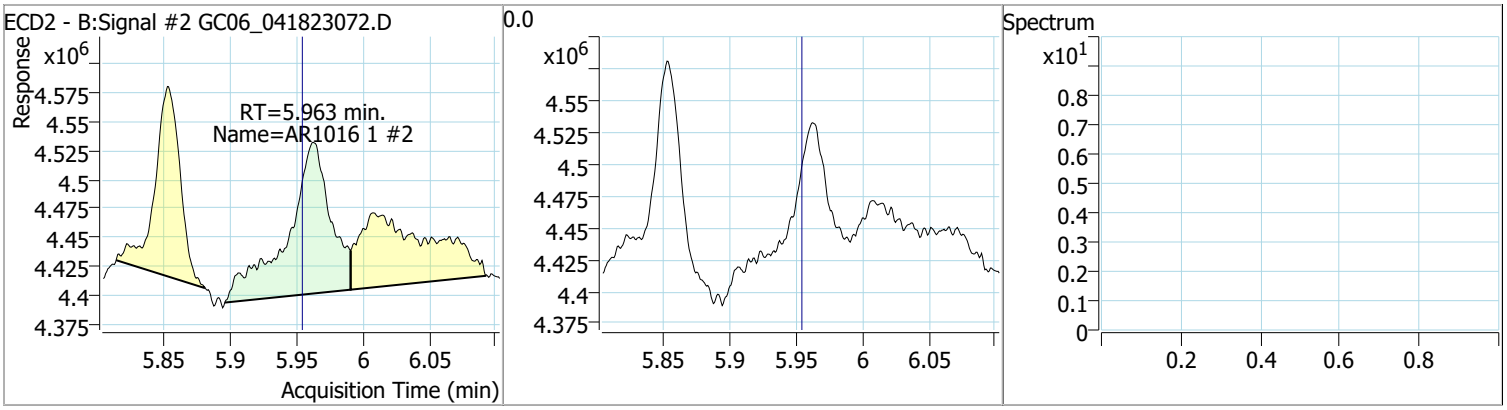
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	103.0331	5.48	0.01	220304				



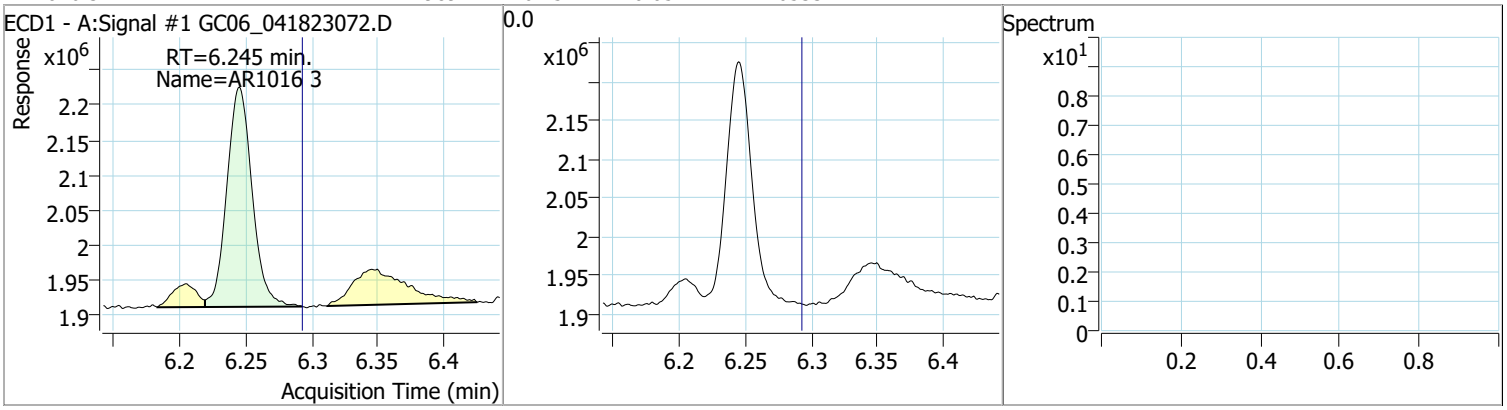
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.7831	5.84	0.03	31118				



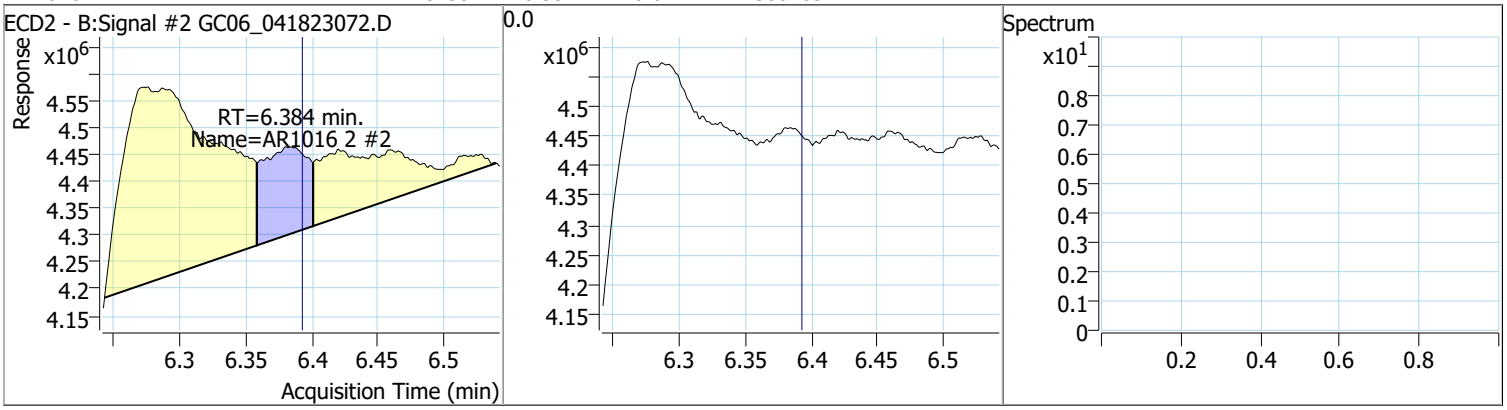
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	37.6650	5.96	0.01	301767				



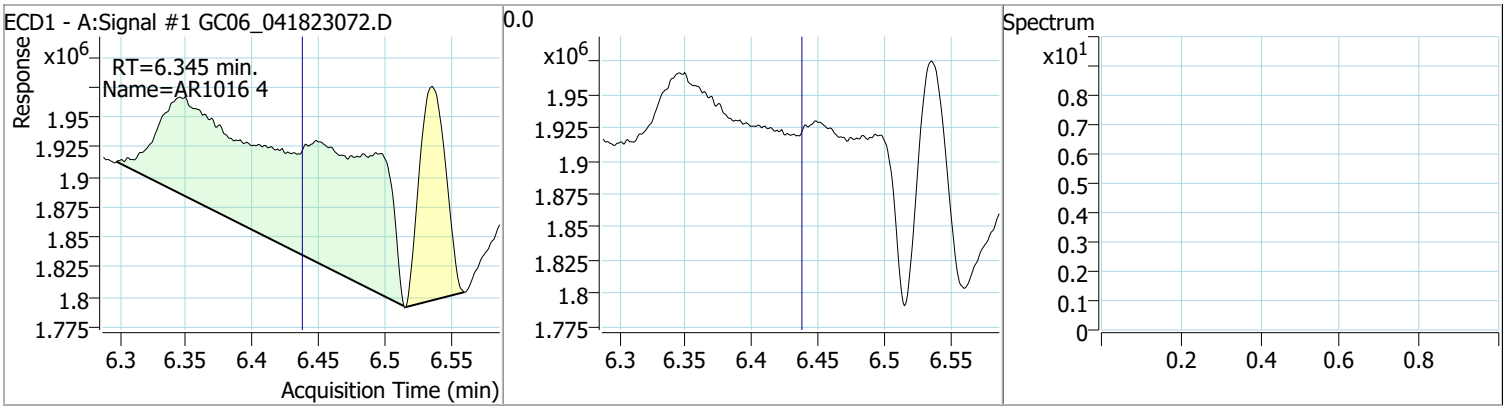
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	72.9892	6.25	-0.05	416533				



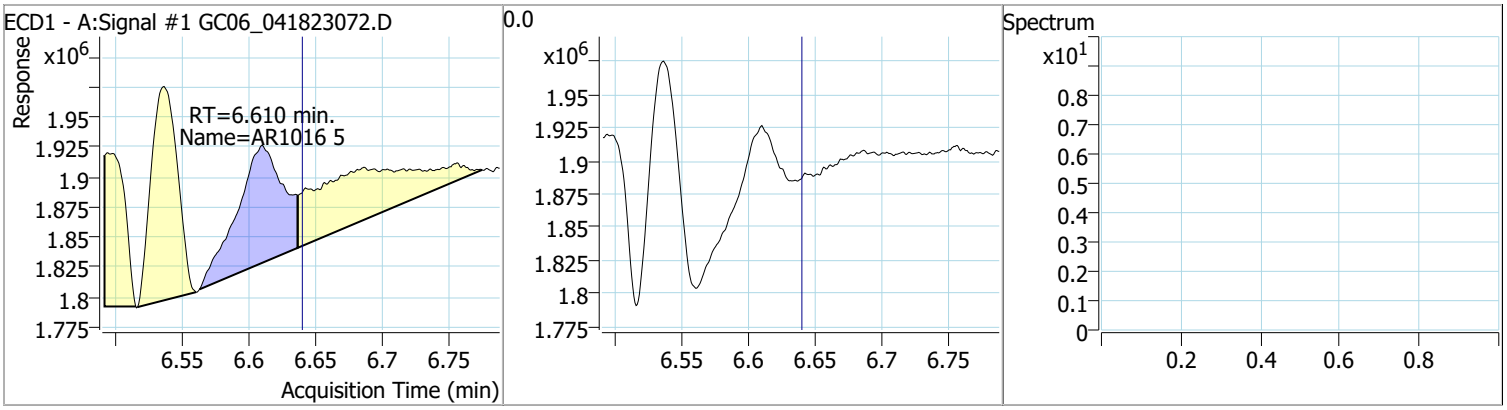
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	22.8735	6.38	-0.01	386463				



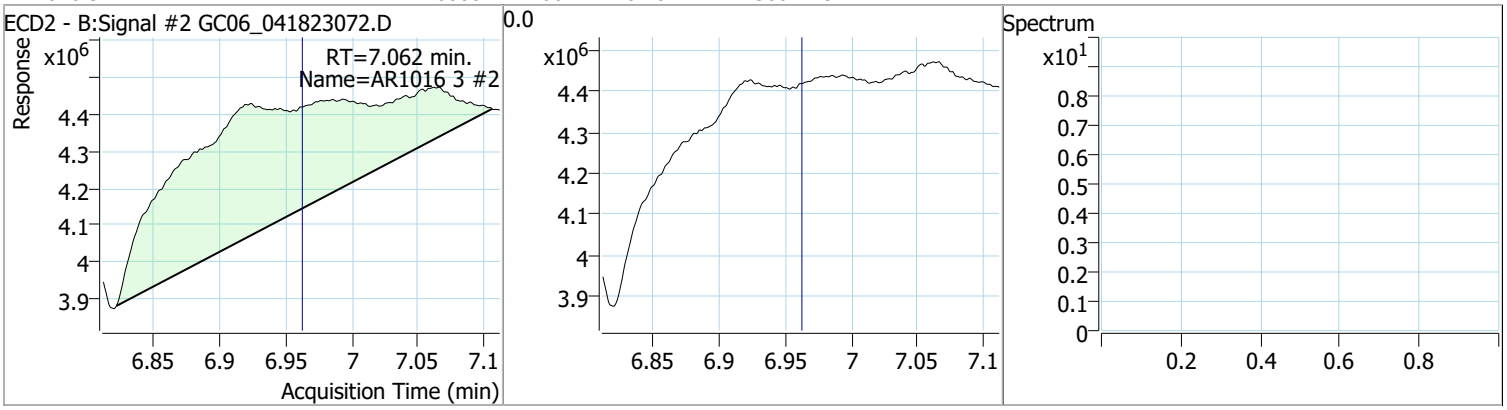
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	227.9850	6.35	-0.09	956612				



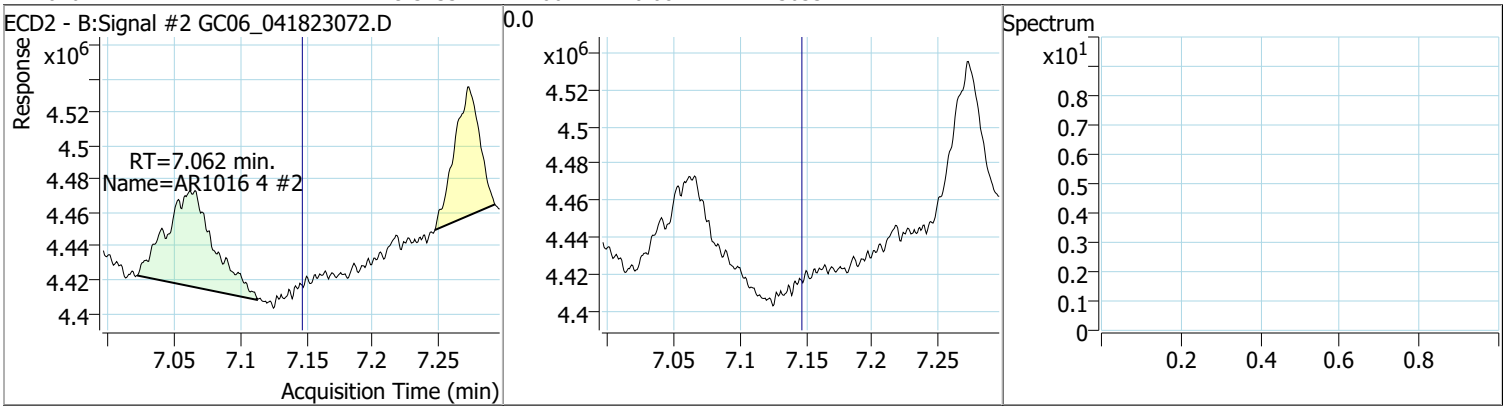
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	96.6146	6.61	-0.03	237761				



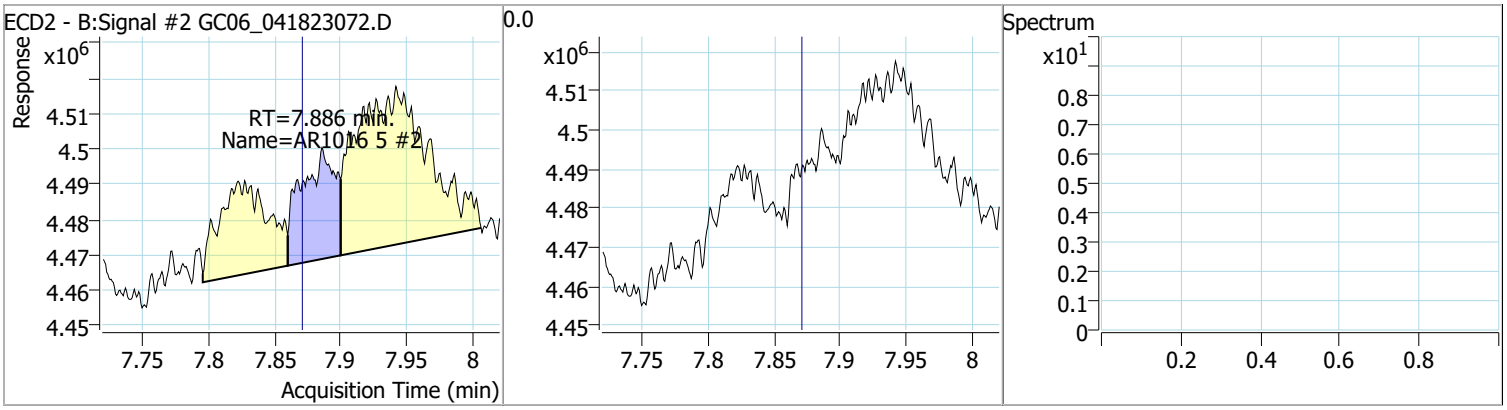
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AR1016 3 #2	171.0888	7.06	0.10	3667749				



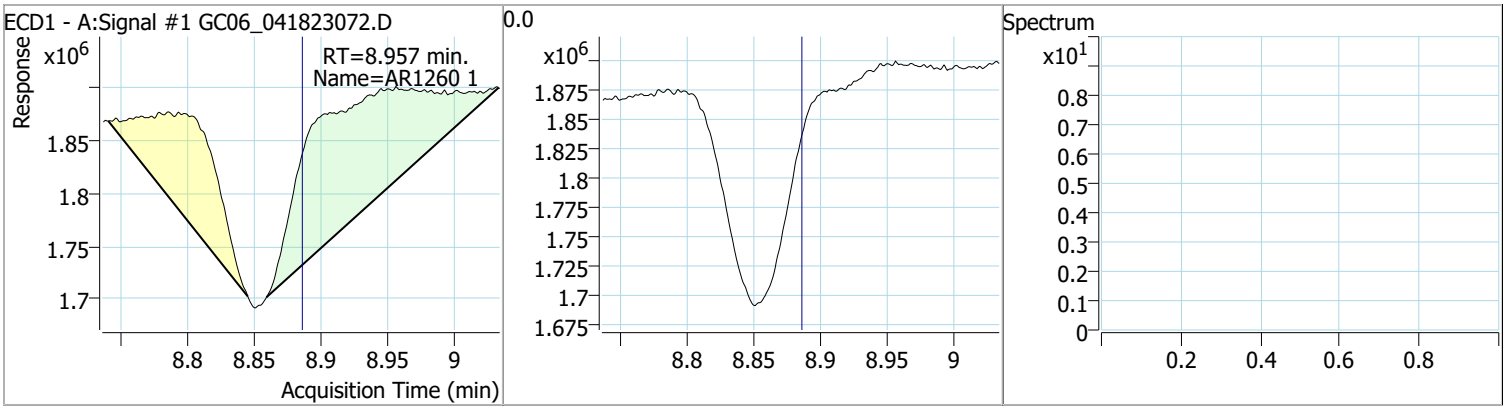
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.3133	7.06	-0.08	143633				



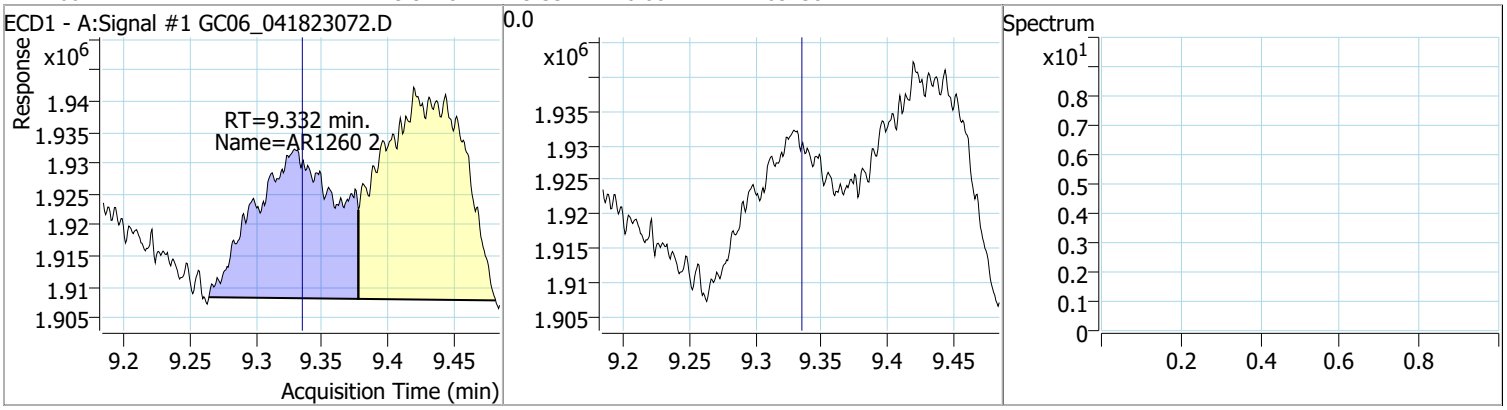
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.3999	7.89	0.02	55878				



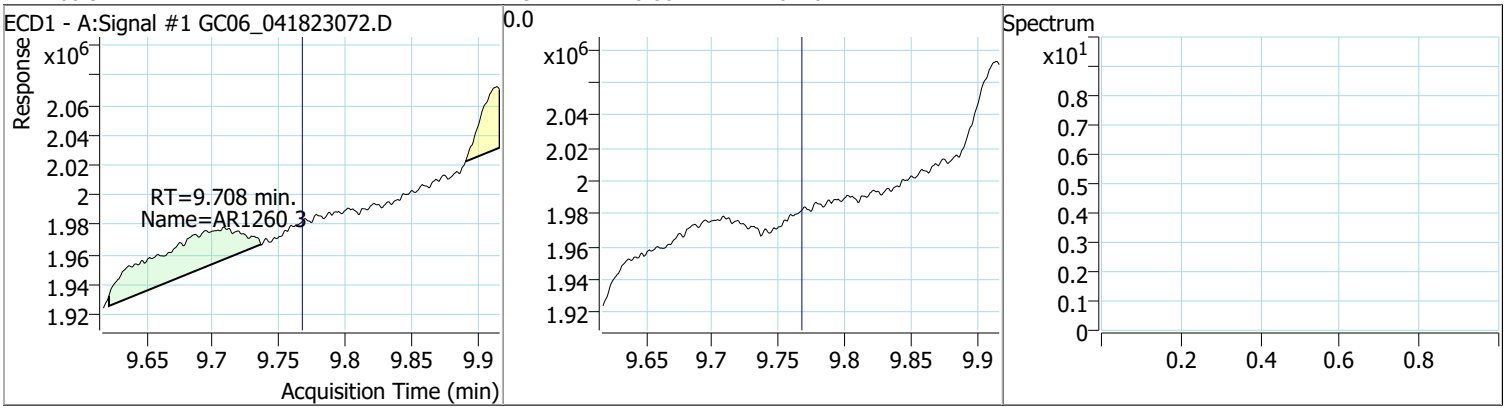
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.4466	8.96	0.07	722310				



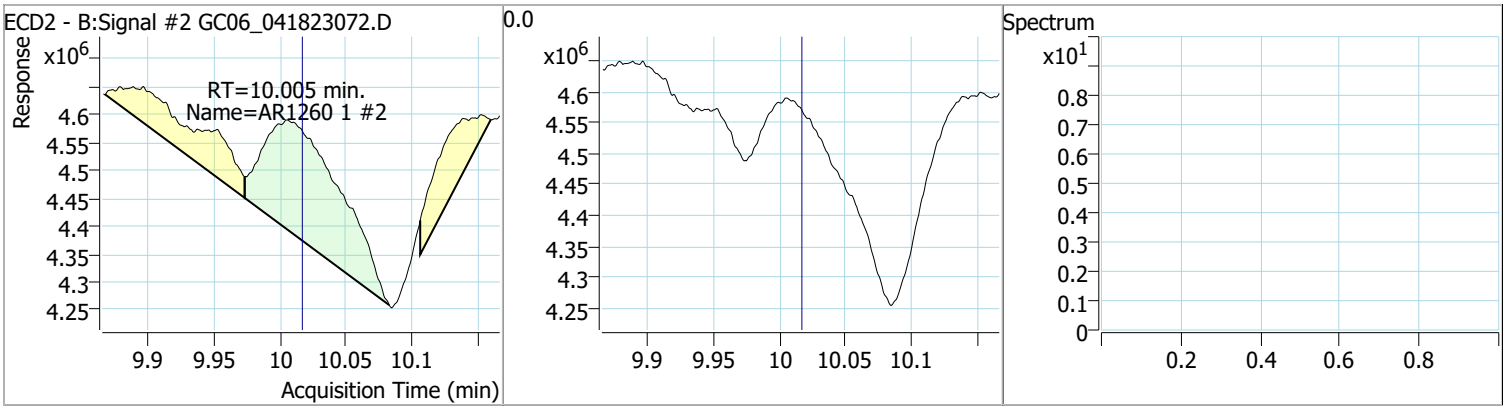
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.9718	9.33	0.00	103238				



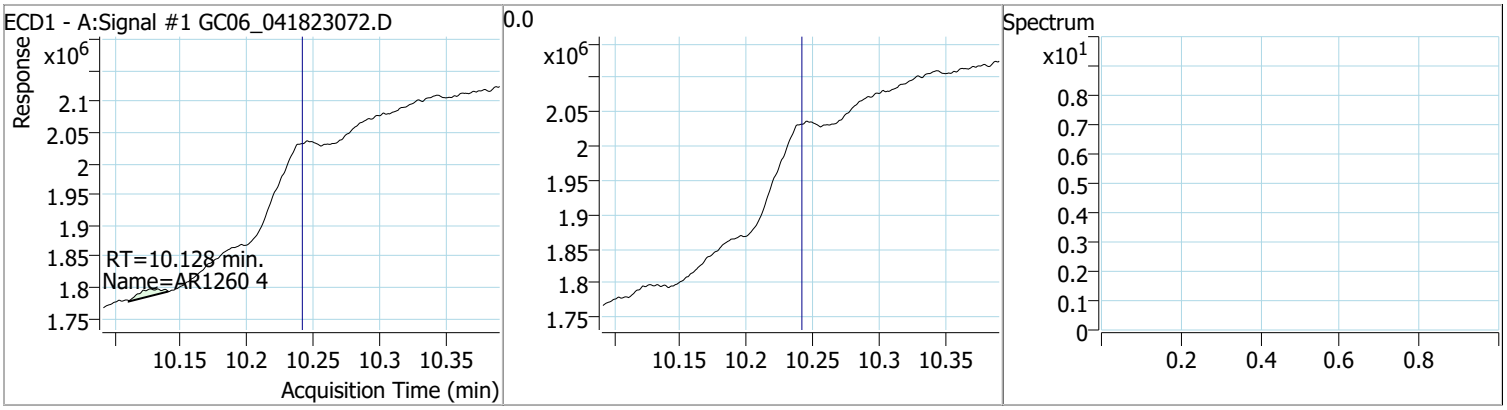
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.1214	9.71	-0.06	126126				



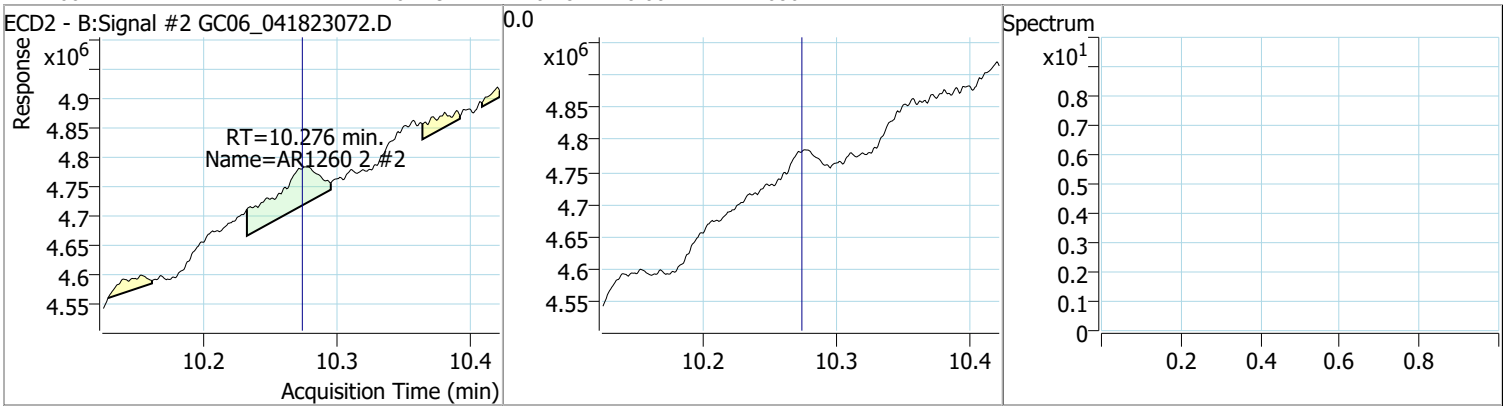
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	37.9565	10.01	-0.01	844075				



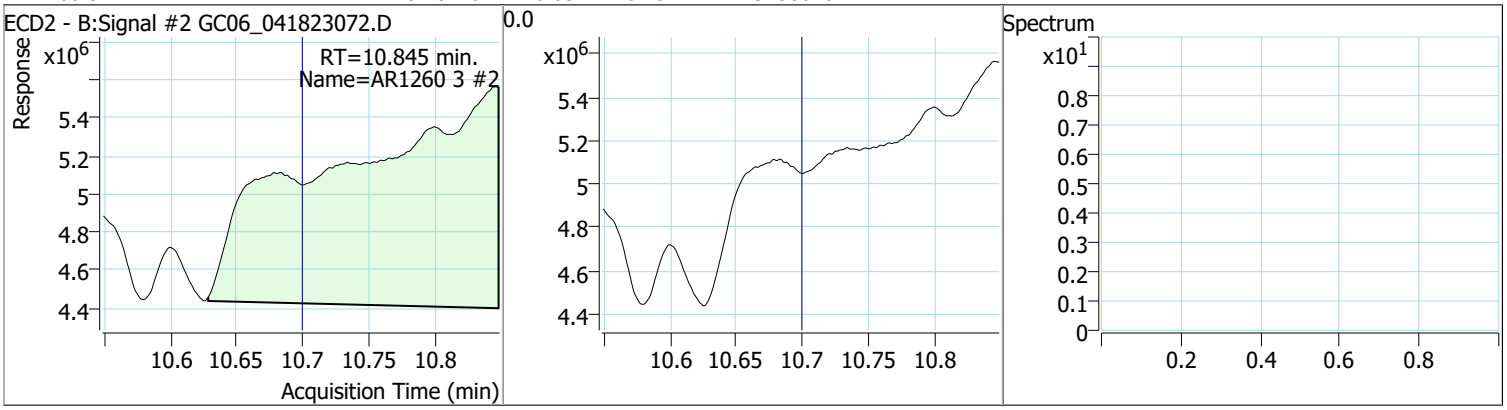
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2.0411	10.13	-0.11	13144				



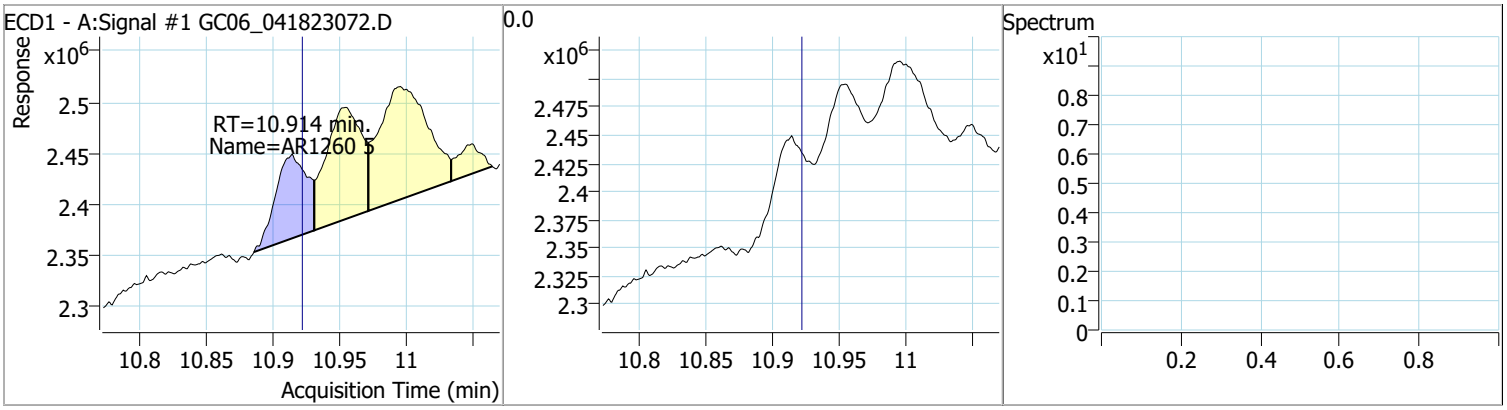
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.1291	10.28	0.00	168621				



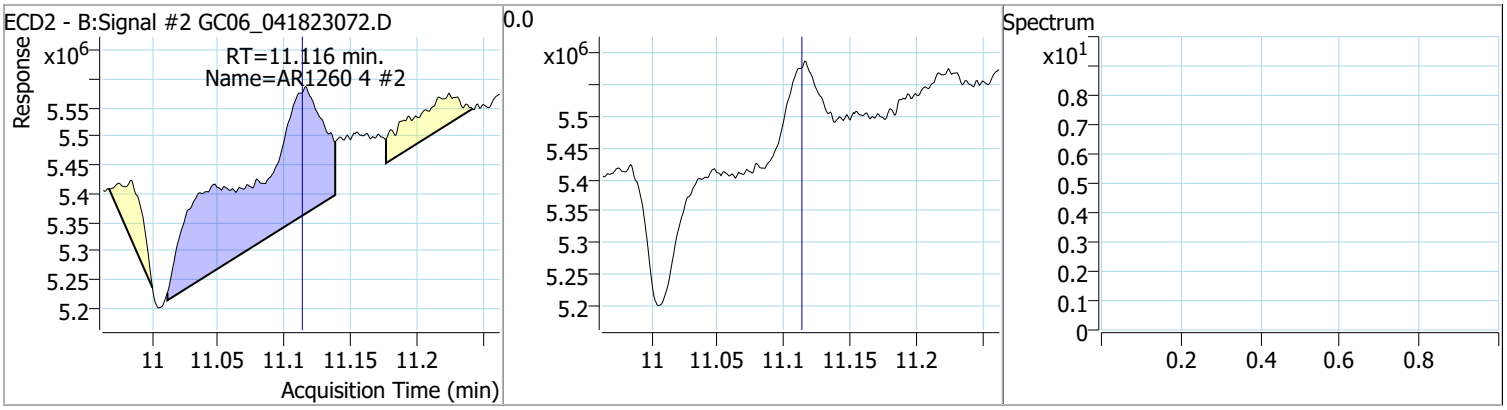
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	287.8415	10.85	0.15	9750825				



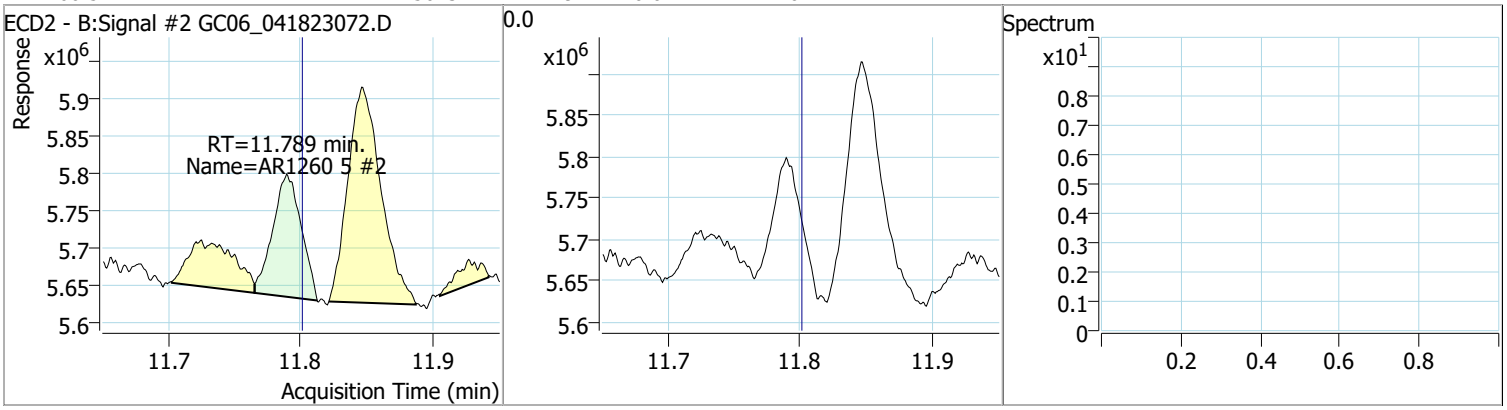
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.7066	10.91	-0.01	134959				



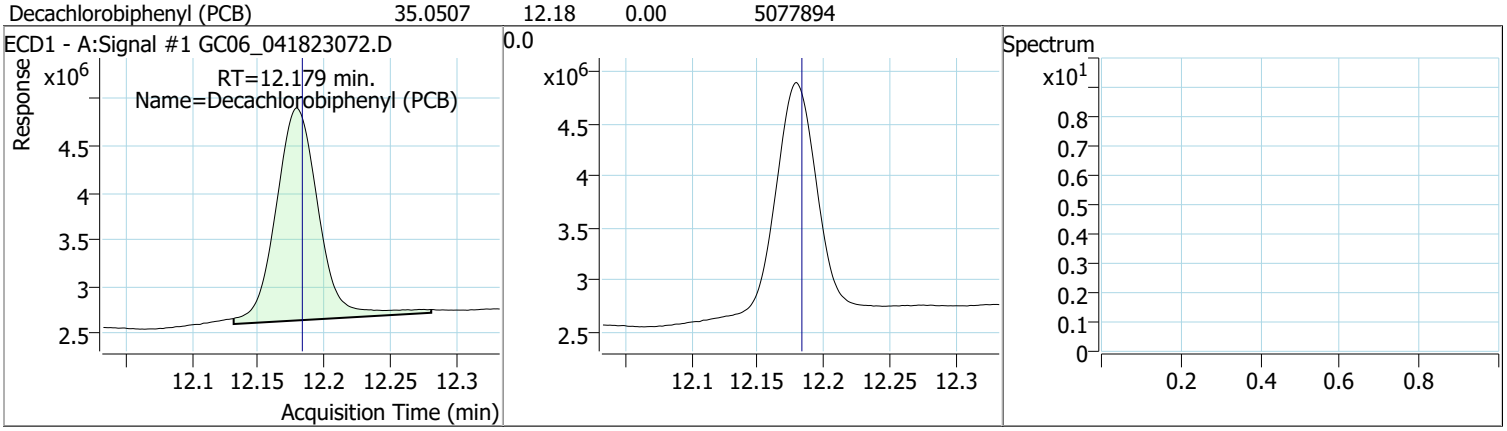
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	51.4039	11.12	0.00	1021601				



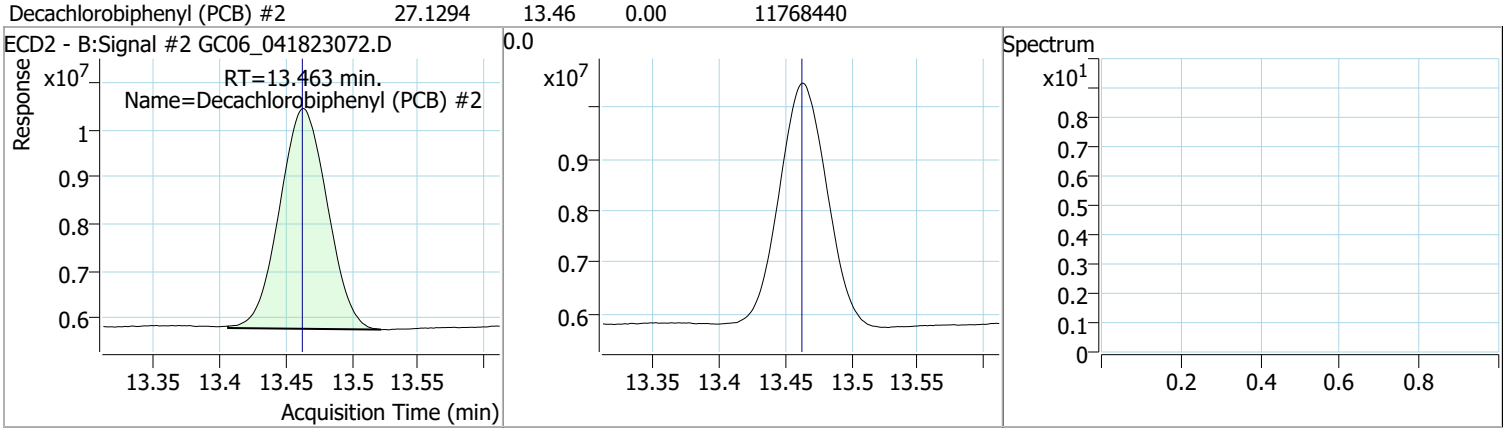
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.5643	11.79	-0.01	244077				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	35.0507	12.18	0.00	5077894				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.1294	13.46	0.00	11768440				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1059364		
Seqnum:	453164853010.1	Matrix:	Wipe		
File:	gc06_042423010	Batch:	312006	Time:	24-APR-2023 13:49
Cal:	453140432001	Caldate:	07-APR-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	57.72	~~0.58~~ FP	1.2	70%	0.50	x u
Aroclor-1016 Peak # 1	B	60.09	0.60	1.50	85%		
Aroclor-1016 Peak # 2	B	6.728	0.07	0.01	163%		
Aroclor-1016 Peak # 3	B	194.8	1.95	0.07	187%		
Aroclor-1016 Peak # 4	B	9.949	0.10	2.03	181%		
Aroclor-1016 Peak # 5	B	17.00	0.17	2.38	173%		
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	17.42	ND	0.32	58%	0.50	u
Aroclor-1260 Peak # 1	B	38.17	0.38	0.06	149%		
Aroclor-1260 Peak # 2	B	2.795	0.03	0.11	119%		
Aroclor-1260 Peak # 3	B	26.80	0.27	0.44	50%		
Aroclor-1260 Peak # 4	B	11.93	0.12	0.57	131%		
Aroclor-1260 Peak # 5	B	7.386	0.07	0.40	138%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.59	0.5000	0.3259	65	19-121	u
Decachlorobiphenyl (PCB)	B	35.01	0.5000	0.3501	70	19-121	u

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

ISTD (CCV gc06_042423004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9620389	8306264	-13.66
1-bromo-2-nitrobenzene (PCB)	A	2881173	2493396	-13.46

ISTD (ICAL gc06_042423007)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8979665	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2677487	**???**	**-100.00 ***

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

ISTD (CCV gc06_042423004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.41	4.41	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

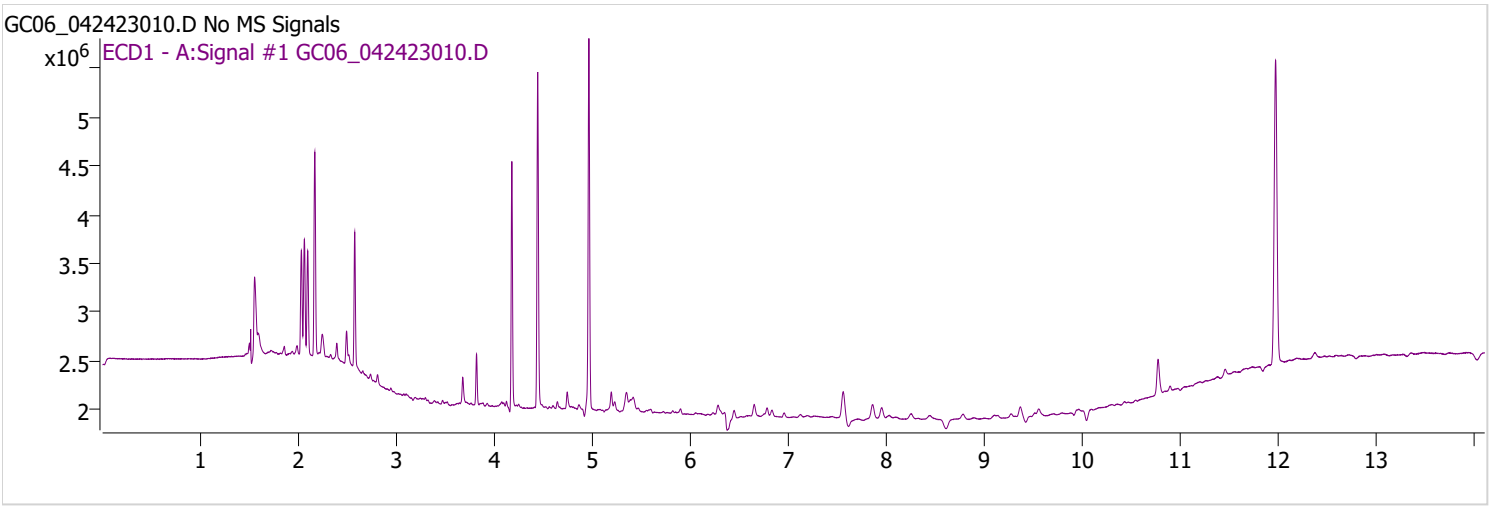
ISTD (ICAL gc06_042423007)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.41	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.18	**???**	

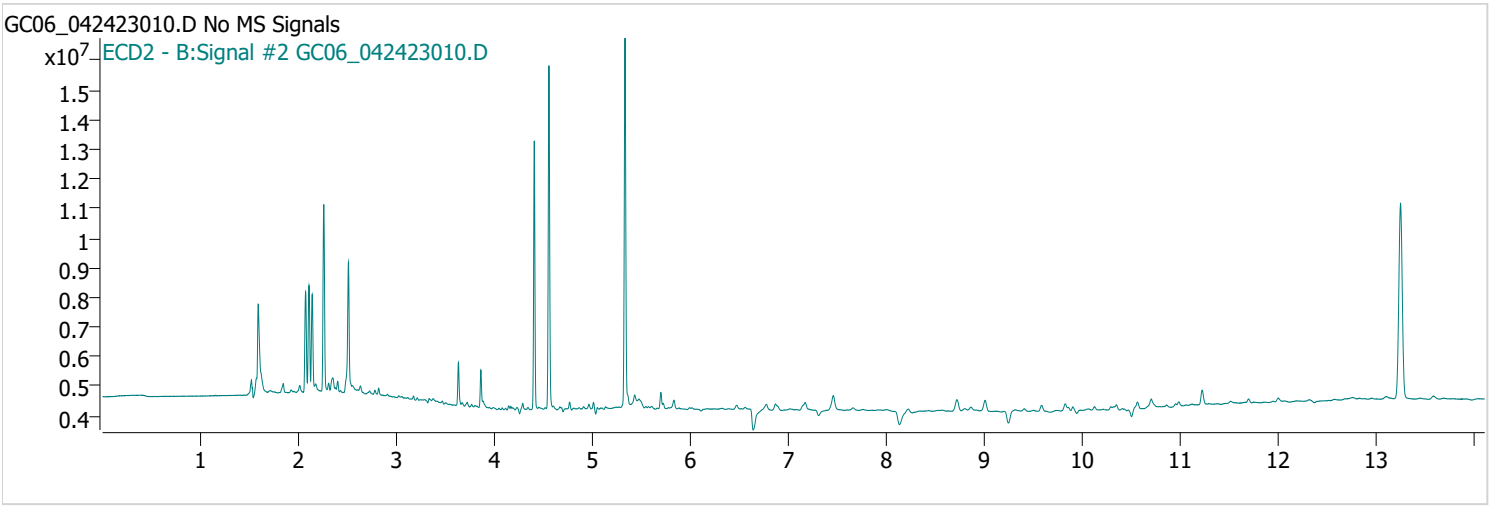
u=use x=false positive

Analyst: TRN 04/24/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_042423010.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/24/2023 1:49:46 PM
Sample Name	QC1059364, 312006, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_12.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	042423PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



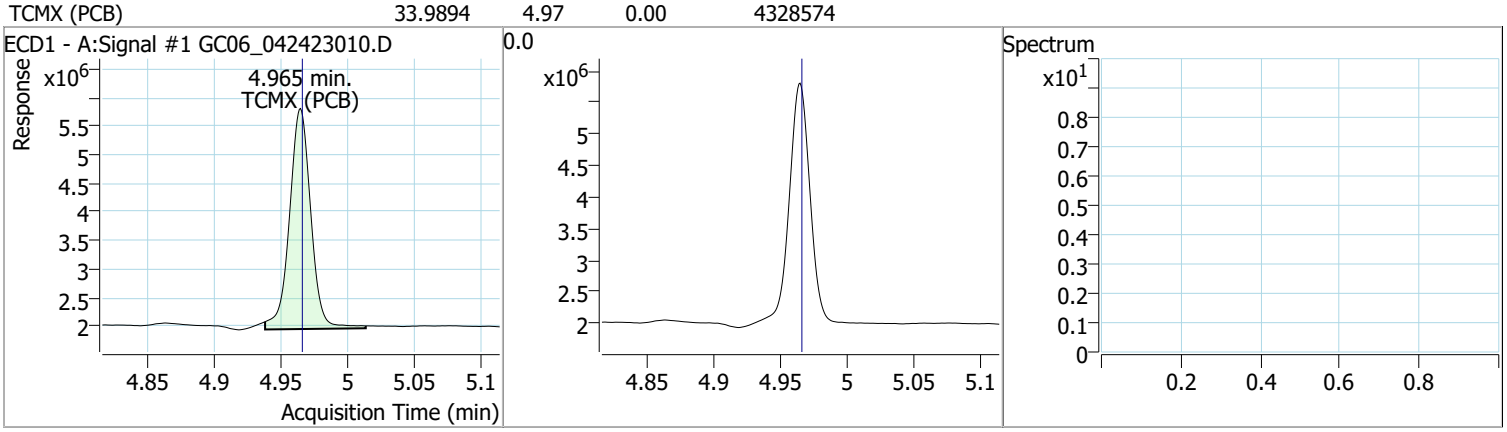


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.178	0.0	2493395.803	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.408	0.0	8306263.681	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.965	0.0	4328573.873	33.9894	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.95%		*	
S TCMX (PCB) #2	5.334	0.0	13403766.207	32.5880	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.94%		*	
S Decachlorobiphenyl (PCB)	11.976	0.0	6423759.833	36.5599	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.80%		*	
S Decachlorobiphenyl (PCB) #2	13.252	0.0	16186404.290	35.0151	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.08%		*	
Target Compounds							QValue

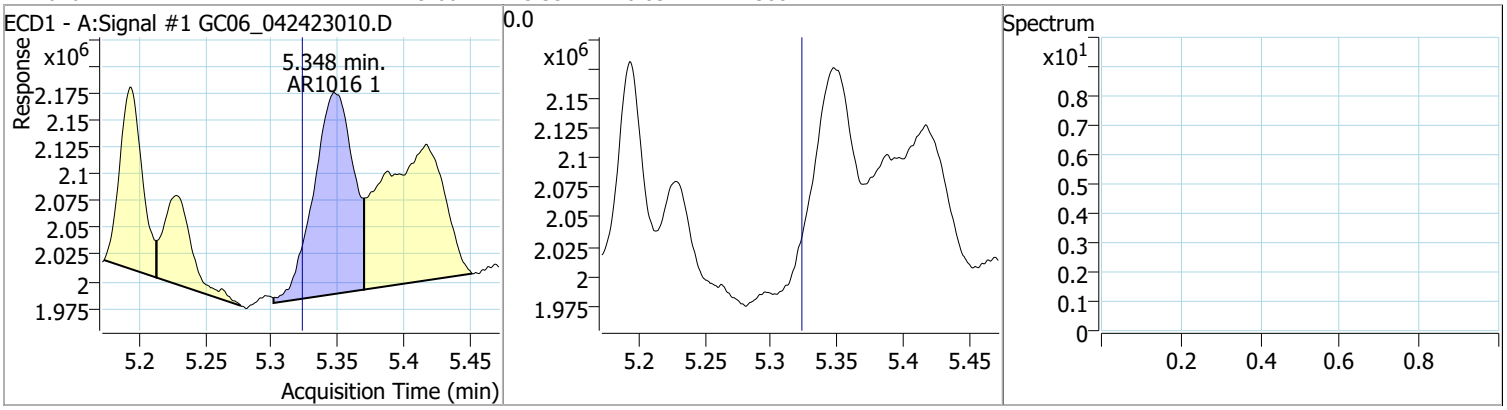
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.348	0.0	388111.255	149.6622	ng/ml	100
T AR1016 2	5.680	0.0	3866.797	0.6950	ng/ml	100
T AR1016 1 #2	5.833	0.0	513079.898	60.0946	ng/ml	100
T AR1016 3	6.102	0.0	46662.312	6.7418	ng/ml	100
T AR1016 2 #2	6.243	0.0	121131.737	6.7277	ng/ml	100
T AR1016 4	6.284	0.0	1035169.276	203.4155	ng/ml	100
T AR1016 5	6.448	0.0	711373.265	238.3428	ng/ml	100
T AR1016 3 #2	6.775	0.0	4450615.094	194.8166	ng/ml	100
T AR1016 4 #2	7.015	0.0	163516.479	9.9493	ng/ml	100
T AR1016 5 #2	7.662	0.0	230006.789	16.9953	ng/ml	100
T AR1260 1	8.739	0.0	46647.582	5.6149	ng/ml	100
T AR1260 2	9.108	0.0	139055.122	11.0745	ng/ml	100
T AR1260 3	9.556	0.0	560804.784	44.4388	ng/ml	100
T AR1260 1 #2	9.828	0.0	904669.674	38.1750	ng/ml	100
T AR1260 4	9.966	0.0	446932.464	57.2221	ng/ml	100
T AR1260 2 #2	10.128	0.0	81949.697	2.7952	ng/ml	100
T AR1260 3 #2	10.565	0.0	967549.309	26.8021	ng/ml	100
T AR1260 5	10.776	0.0	682590.293	40.4790	ng/ml	100
T AR1260 4 #2	10.988	0.0	252617.141	11.9278	ng/ml	100
T AR1260 5 #2	11.699	0.0	253958.535	7.3857	ng/ml	100

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

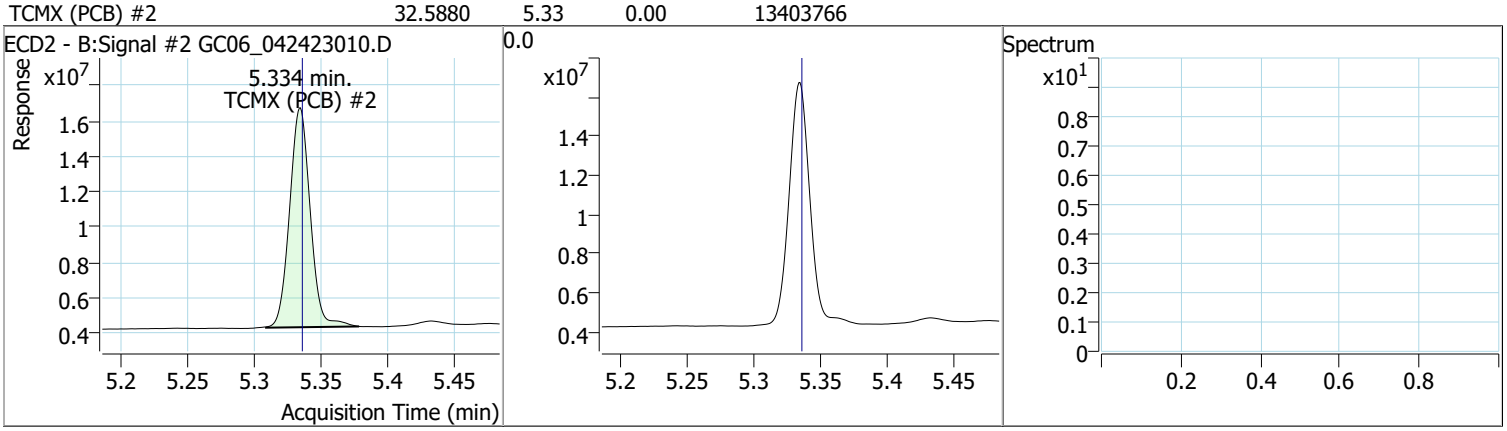
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.9894	4.97	0.00	4328574				



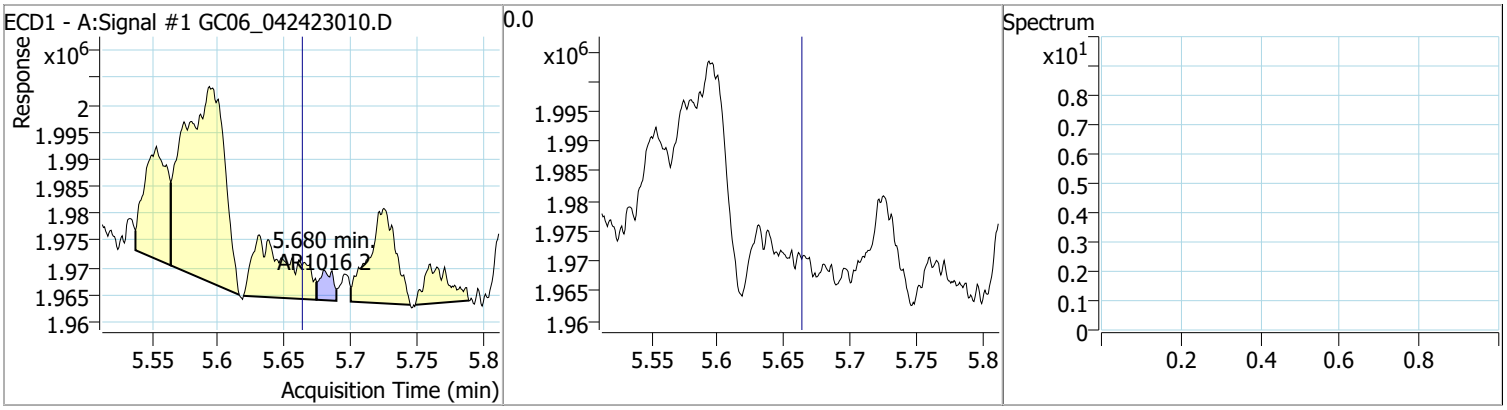
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	149.6622	5.35	0.03	388111				



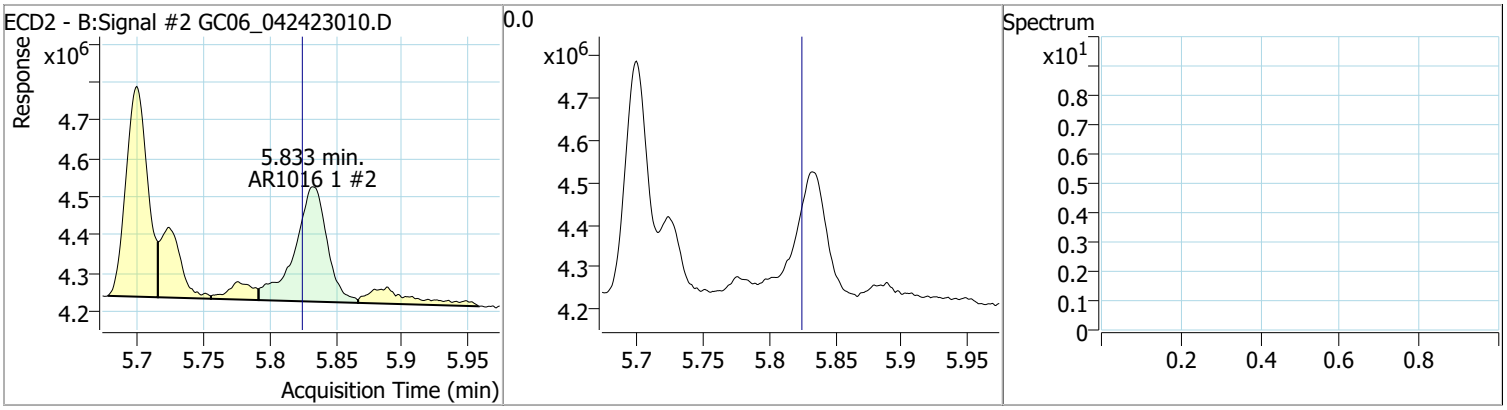
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.5880	5.33	0.00	13403766				



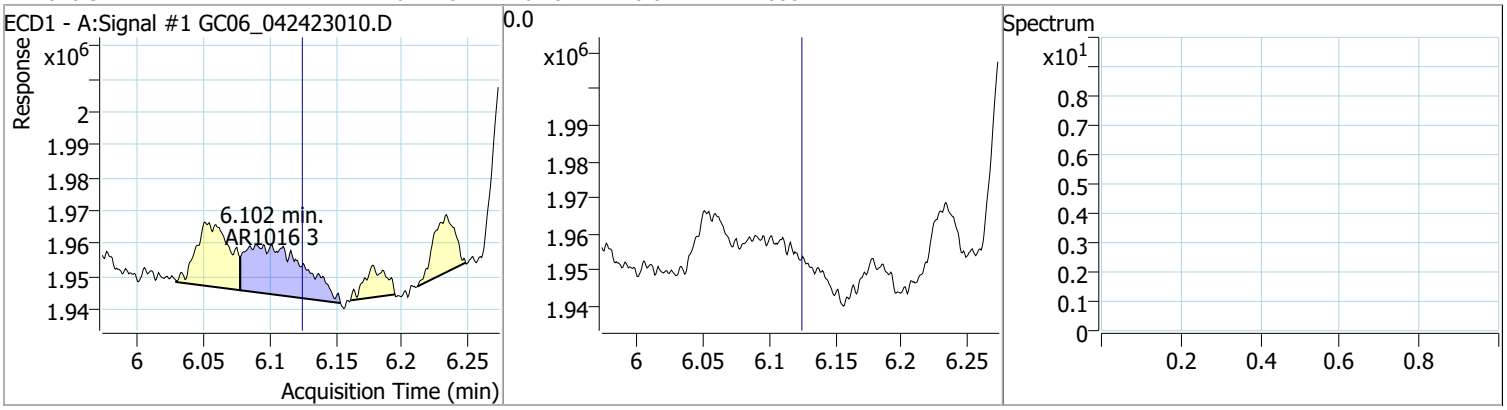
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.6950	5.68	0.02	3867				



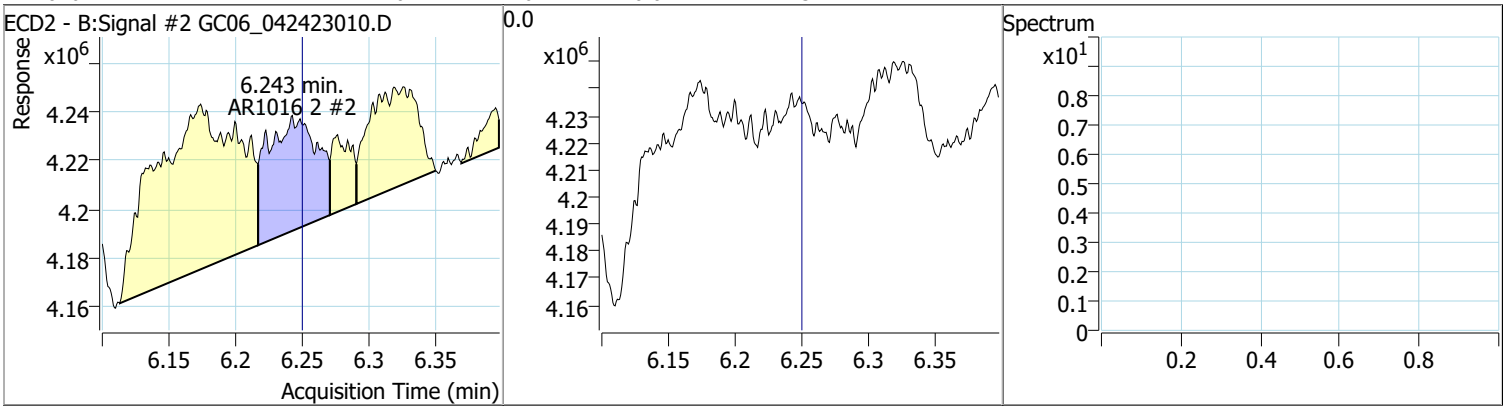
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	60.0946	5.83	0.01	513080				



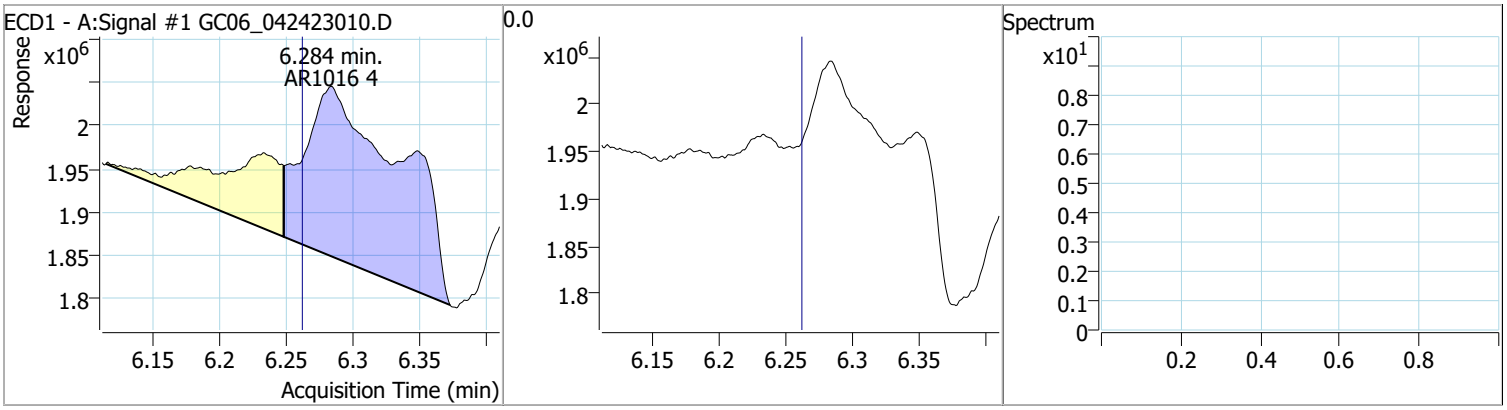
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	6.7418	6.10	-0.02	46662				



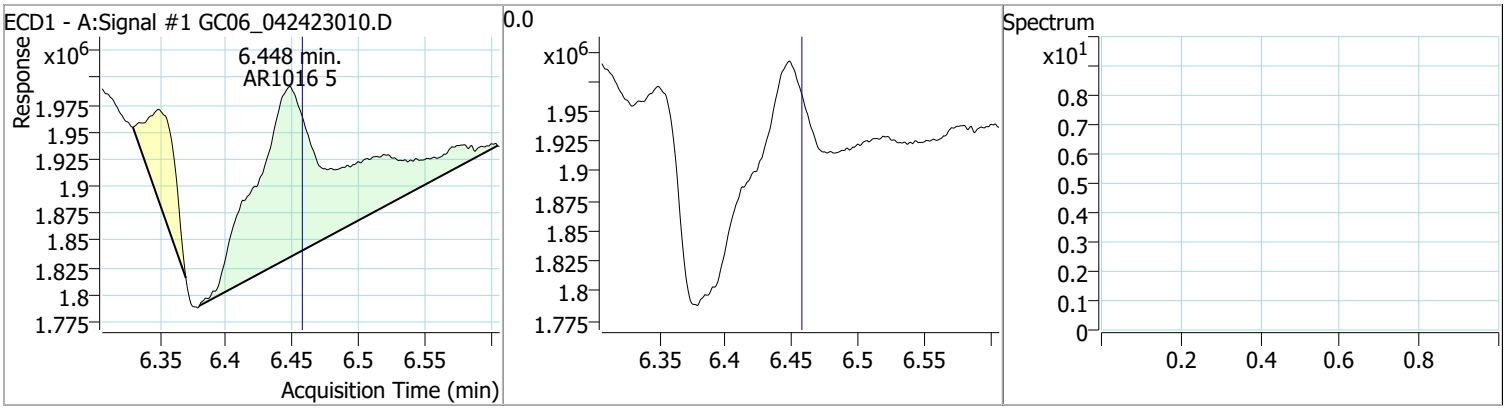
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.7277	6.24	-0.01	121132				



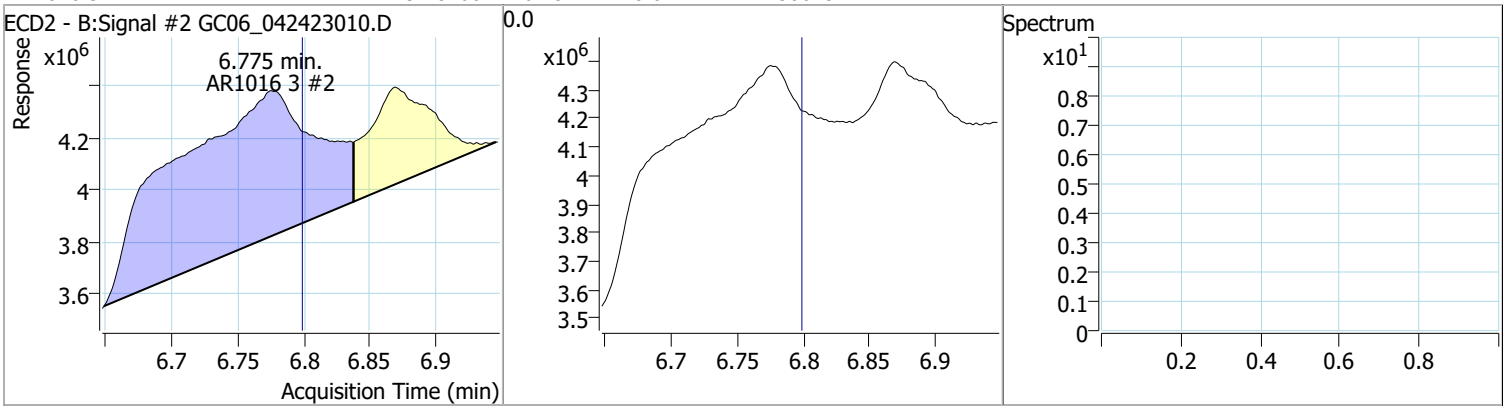
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	203.4155	6.28	0.02	1035169				



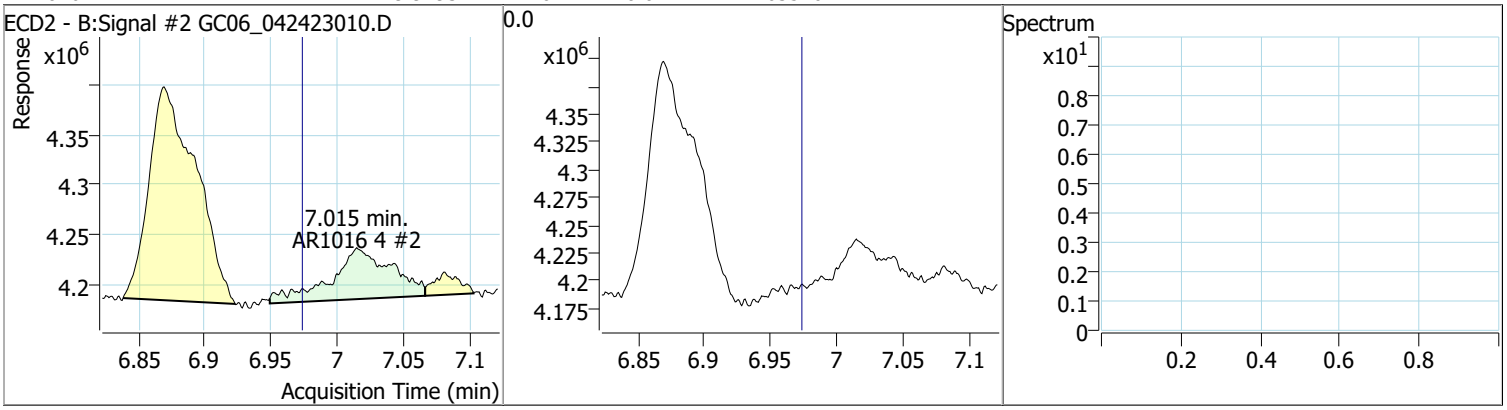
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	238.3428	6.45	-0.01	711373				



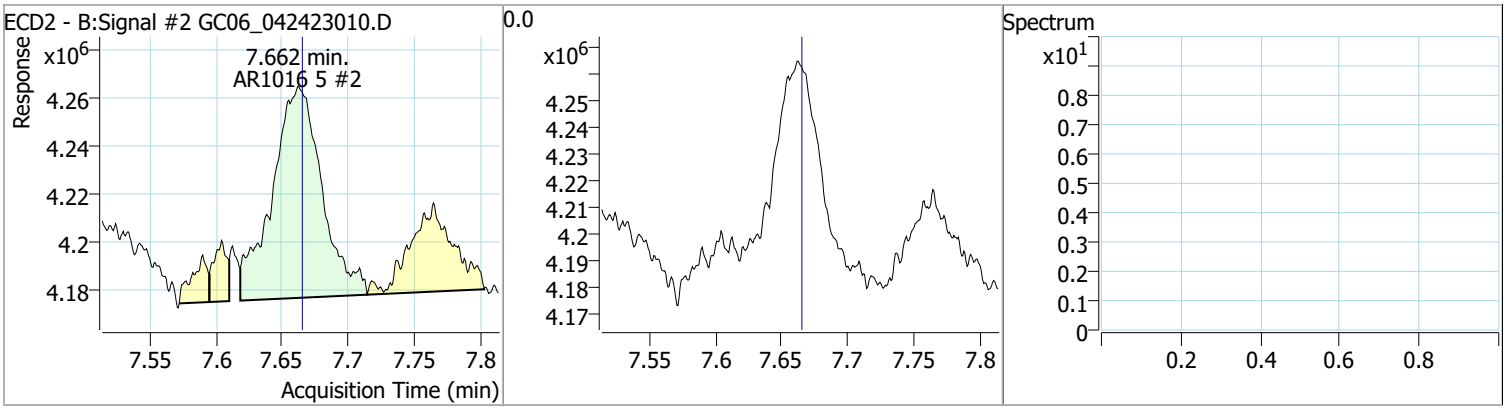
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	194.8166	6.78	-0.02	4450615				



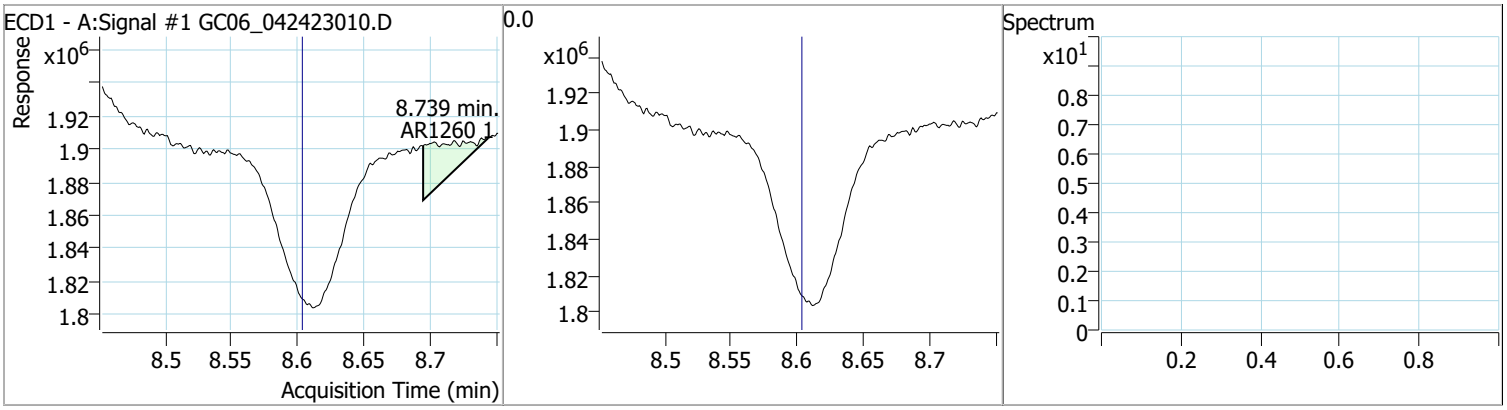
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.9493	7.02	0.04	163516				



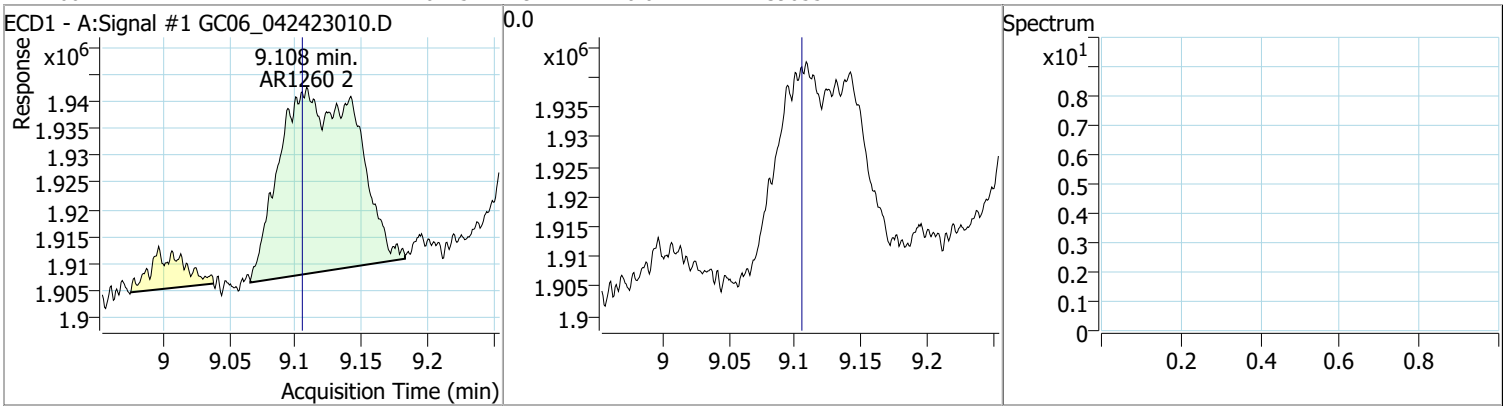
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AR1016 5 #2	16.9953	7.66	0.00	230007				



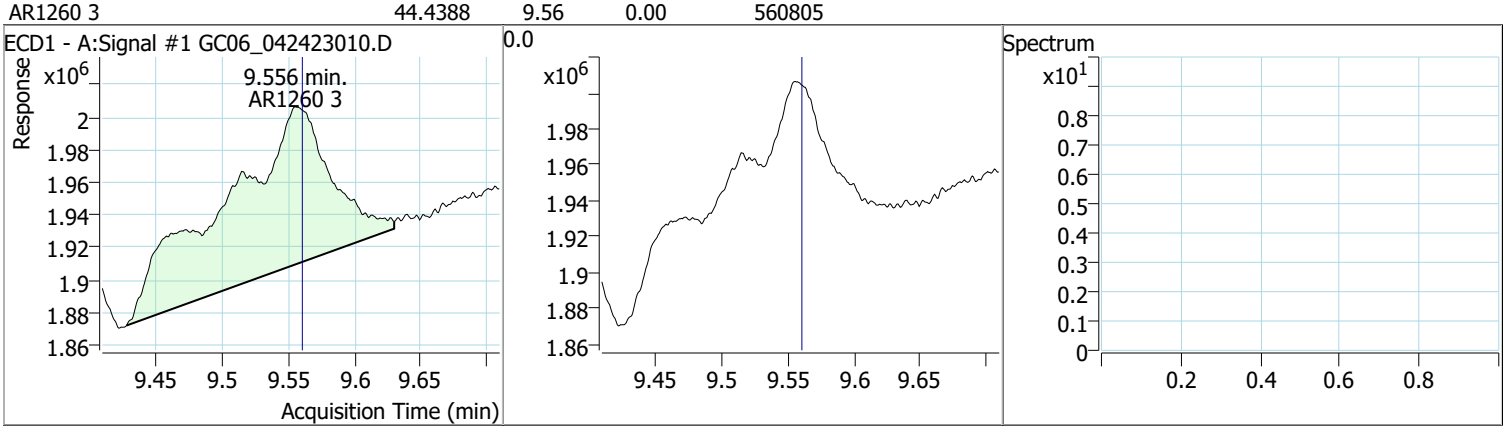
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	5.6149	8.74	0.14	46648				



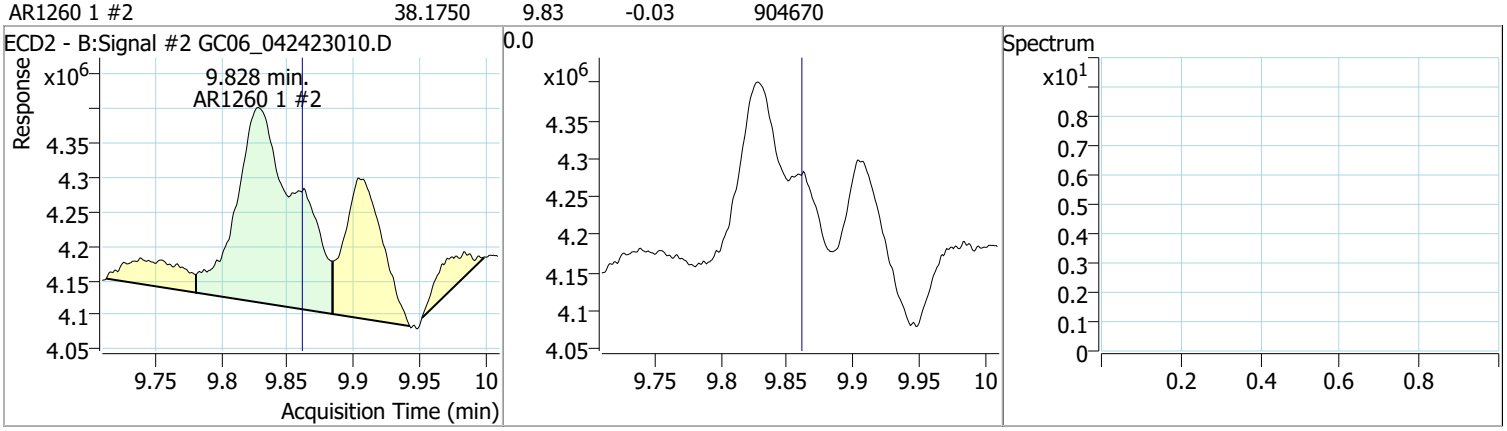
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	11.0745	9.11	0.01	139055				



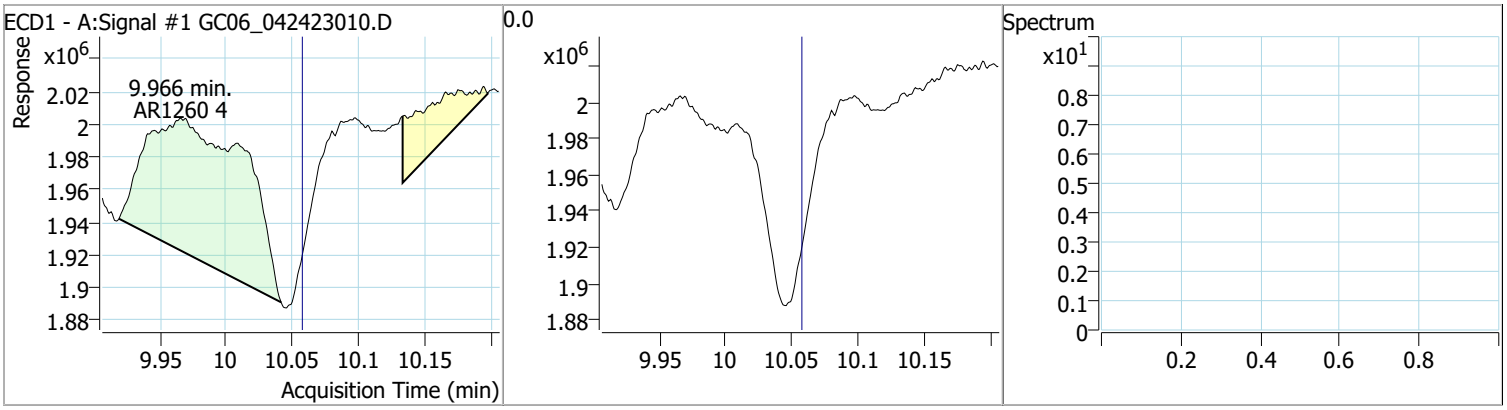
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	44.4388	9.56	0.00	560805				



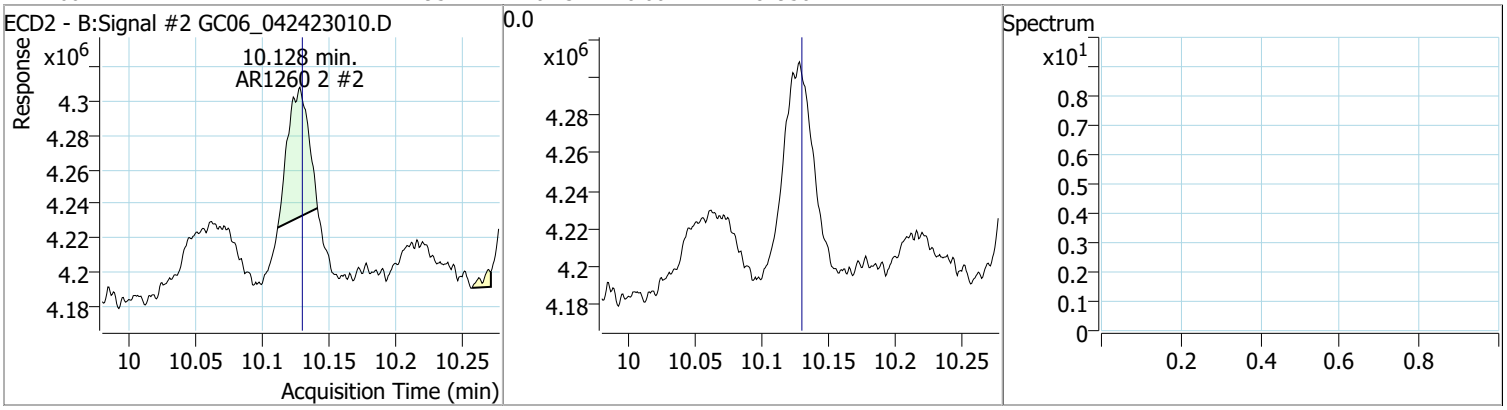
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	38.1750	9.83	-0.03	904670				



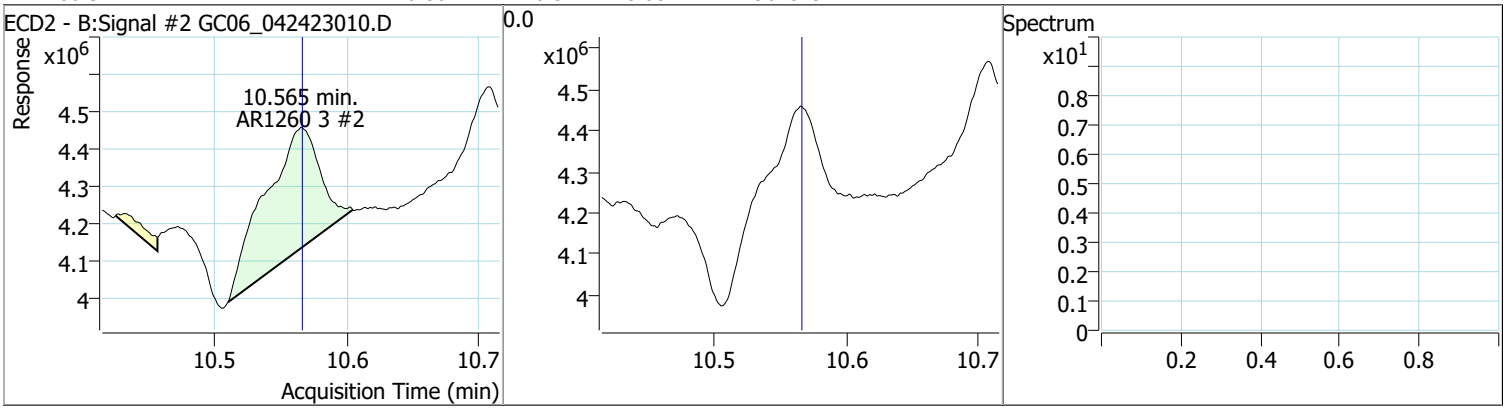
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	57.2221	9.97	-0.09	446932				



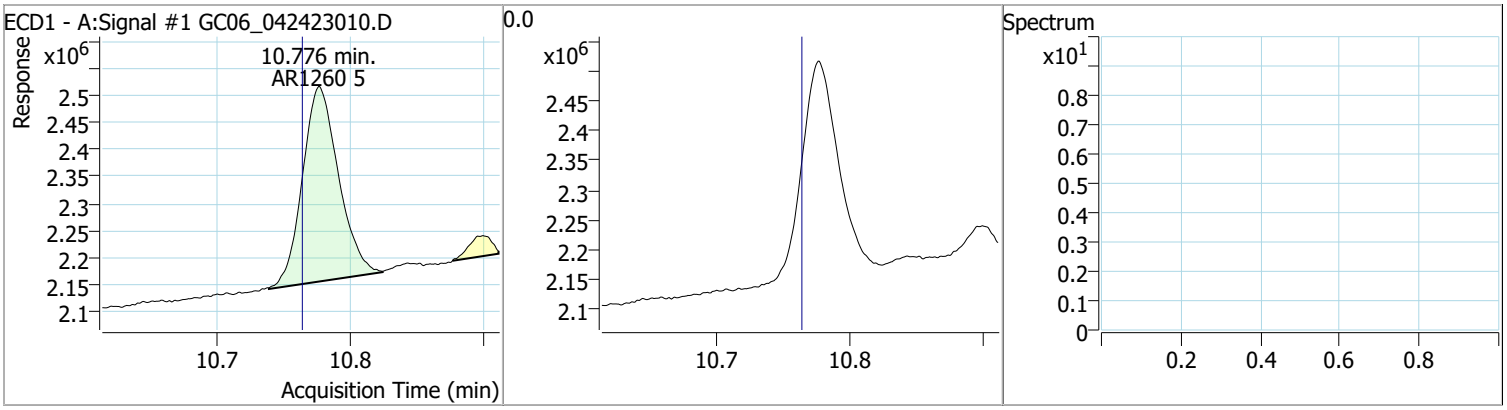
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.7952	10.13	0.00	81950				



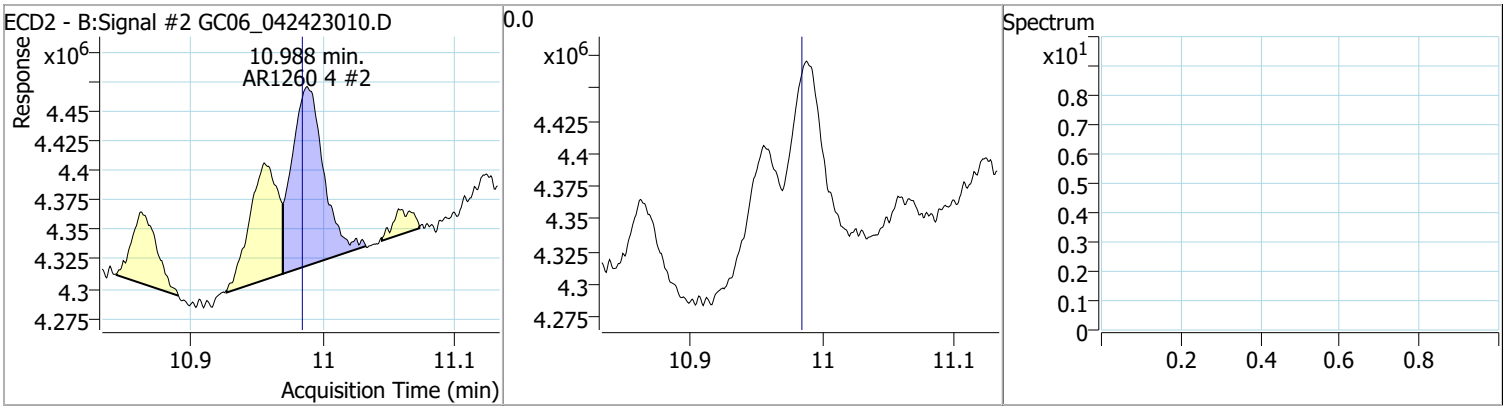
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	26.8021	10.57	0.00	967549				



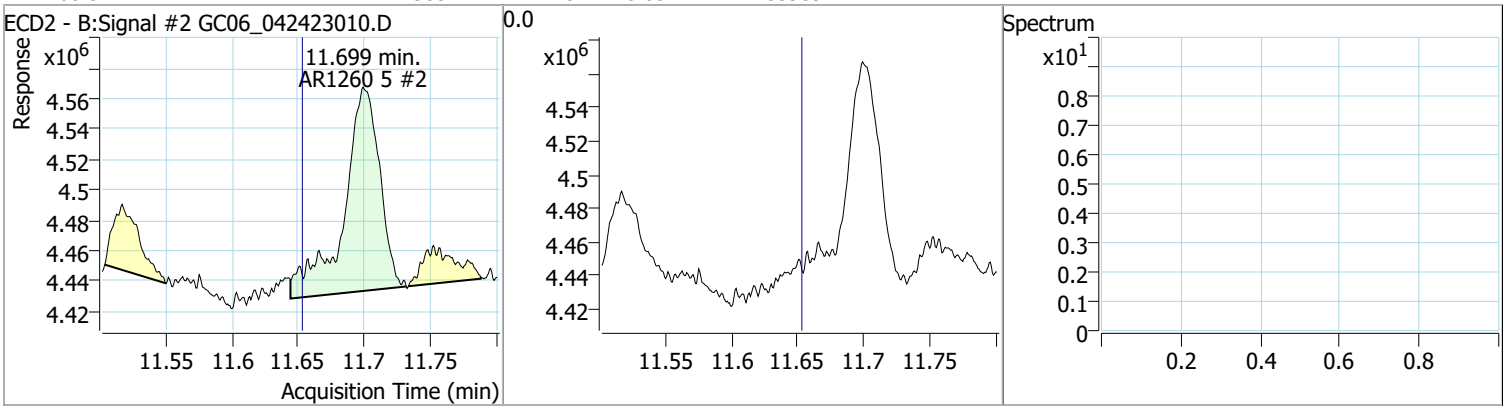
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	40.4790	10.78	0.01	682590				



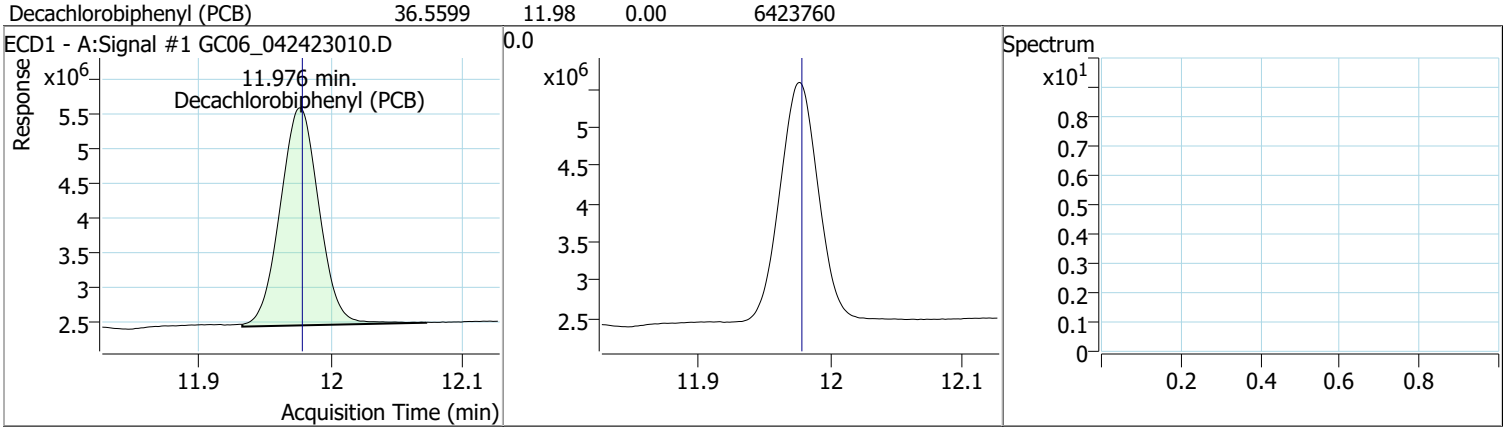
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.9278	10.99	0.01	252617				



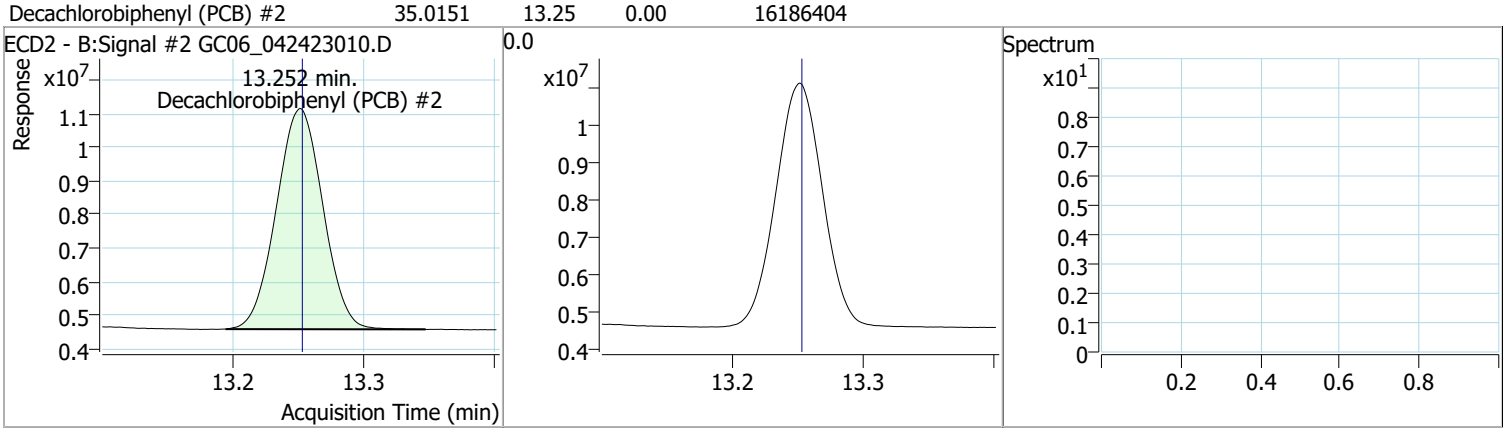
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.3857	11.70	0.05	253959				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.5599	11.98	0.00	6423760				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.0151	13.25	0.00	16186404				



ENTHALPY SPIKE USER REPORT FOR 483449 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	453164853011.1	Seqnum:	453164853012.1
File:	gc06_042423011	File:	gc06_042423012
IDF:	1.0	IDF:	1.0
Lab ID:	QC1059366	Lab ID:	QC1059367
Matrix:	Wipe	Matrix:	Wipe
Batch:	312006	Batch:	312006
Time:	24-APR-2023 14:08	Time:	24-APR-2023 14:26
Cal:	453140432001	Cal:	453140432001
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	461.1	4.611	B	92	442.5	4.425	B	89	60-140	4	20	u
Aroclor-1016 Peak # 1		468.7	4.687	B		417.6	4.176	B					
Aroclor-1016 Peak # 2		453.7	4.537	B		450.1	4.501	B					
Aroclor-1016 Peak # 3		453.7	4.537	B		442.5	4.425	B					
Aroclor-1016 Peak # 4		446.6	4.466	B		440.0	4.400	B					
Aroclor-1016 Peak # 5		482.7	4.827	B		462.6	4.626	B					
Aroclor-1260	5.000	502.0	5.020	B	100	478.2	4.782	B	96	60-140	5	20	u
Aroclor-1260 Peak # 1		524.2	5.242	B		480.1	4.801	B					
Aroclor-1260 Peak # 2		491.9	4.919	B		472.2	4.722	B					
Aroclor-1260 Peak # 3		520.5	5.205	B		488.8	4.888	B					
Aroclor-1260 Peak # 4		501.7	5.017	B		498.7	4.987	B					
Aroclor-1260 Peak # 5		471.4	4.714	B		451.1	4.511	B					
Surrogates													
TCMX (PCB)	0.5000	38.30	0.3830	B	77	38.92	0.3892	B	78	19-121			u
Decachlorobiphenyl (PCB)	0.5000	45.64	0.4564	B	91	44.58	0.4458	B	89	19-121			u

ISTD (CCV gc06_042423004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9620389	8020248	-16.63
1-bromo-2-nitrobenzene (PCB)	A	2881173	2387439	-17.14

ISTD (CCV gc06_042423004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.41	4.41	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

ISTD (CCV gc06_042423004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9620389	8026903	-16.56
1-bromo-2-nitrobenzene (PCB)	A	2881173	2435610	-15.46

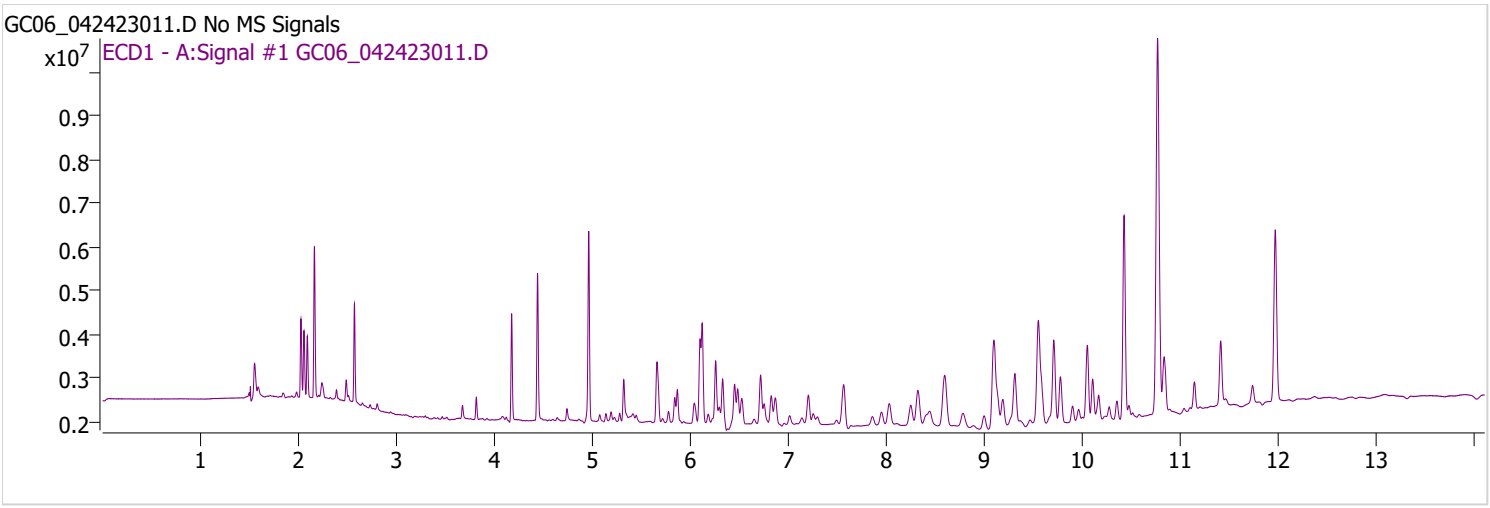
ISTD (CCV gc06_042423004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.41	4.41	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

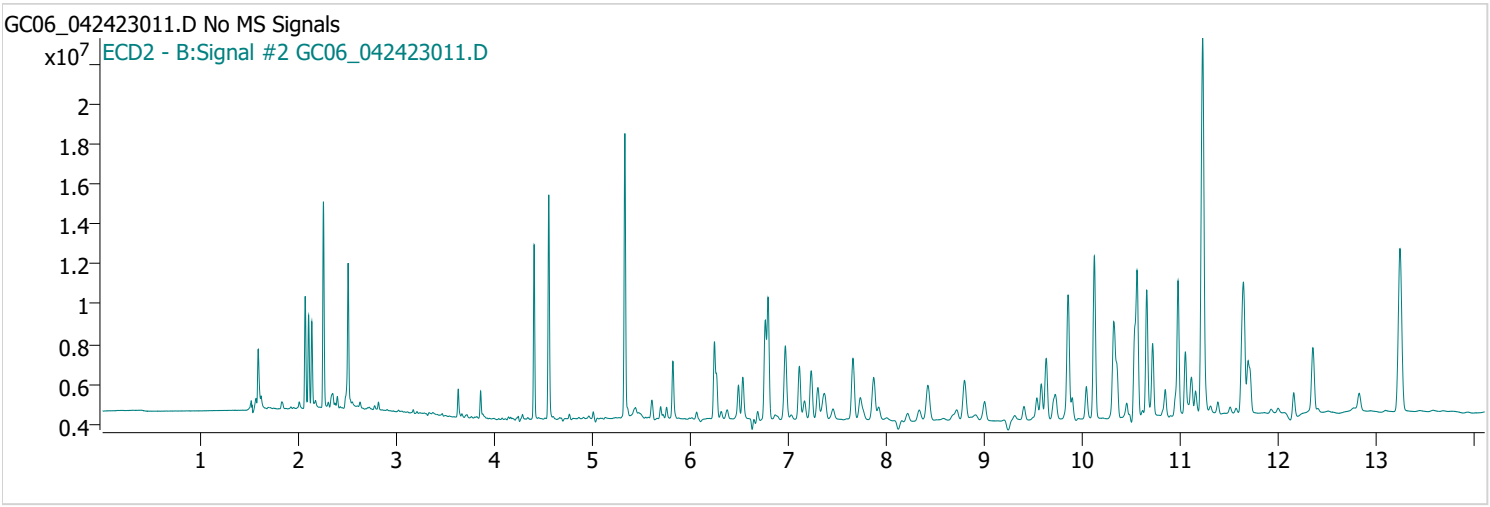
Analyst: TRN 04/24/23

Reviewer: MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_042423011.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/24/2023 2:08:04 PM
Sample Name	QC1059366, 312006, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_12.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	042423PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



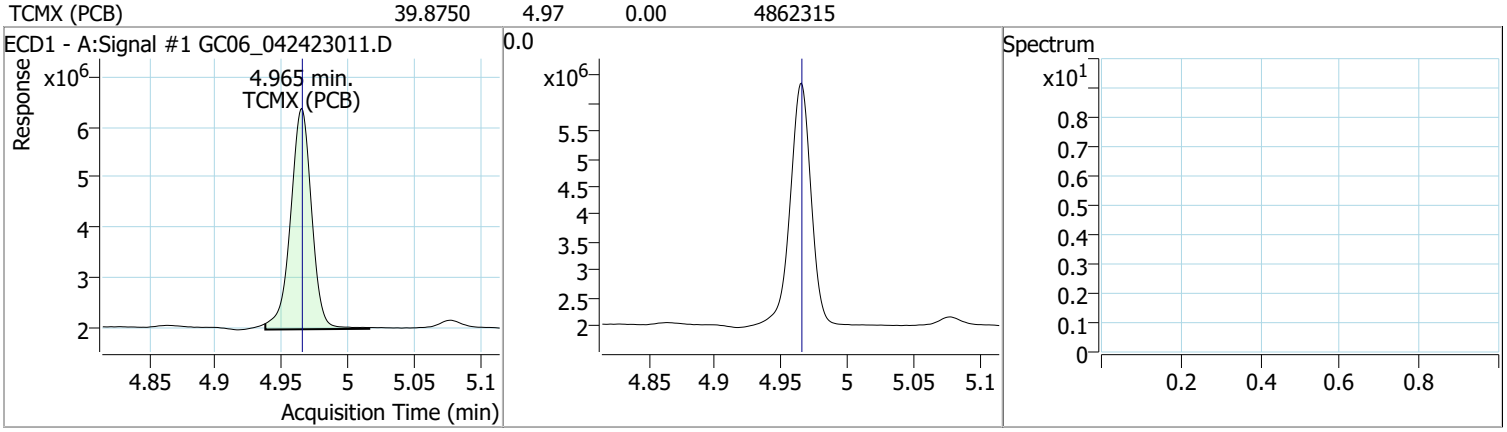


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.178	0.0	2387438.797	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.407	0.0	8020248.071	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.965	0.0	4862314.903	39.8750	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.37%		*	
S TCMX (PCB) #2	5.333	0.0	15212070.998	38.3034	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.52%		*	
S Decachlorobiphenyl (PCB)	11.977	0.0	8106084.862	48.1821	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.91%		*	
S Decachlorobiphenyl (PCB) #2	13.250	0.0	20373259.251	45.6439	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.22%		*	
Target Compounds							QValue

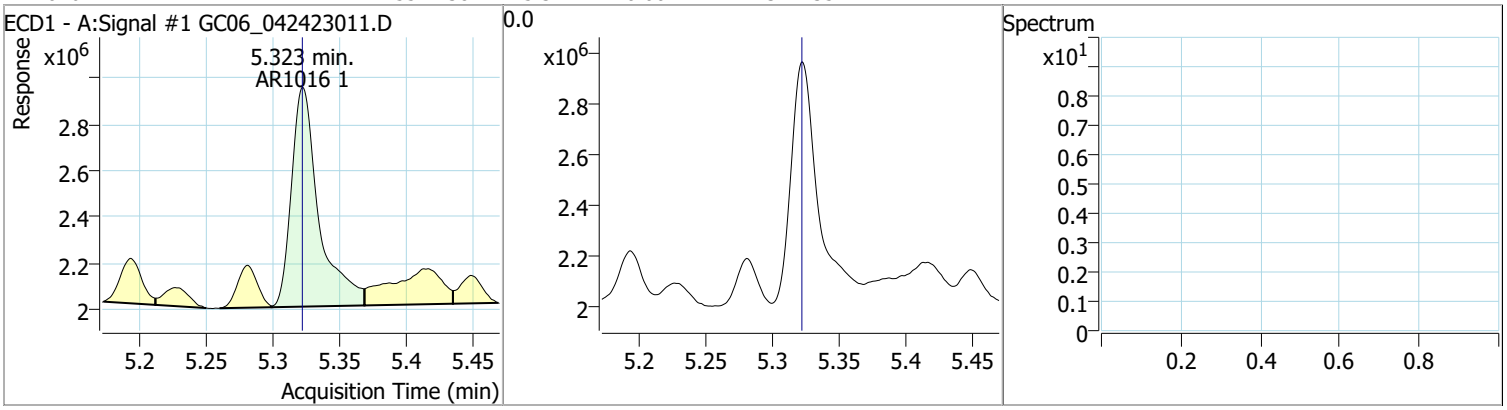
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.323	0.0	1371234.982	552.2387	ng/ml	100
T AR1016 2	5.662	0.0	2409235.495	452.2348	ng/ml	100
T AR1016 1 #2	5.824	0.0	3864268.199	468.7441	ng/ml	100
T AR1016 3	6.123	0.0	5471760.949	825.6525	ng/ml	100
T AR1016 2 #2	6.248	0.0	7887584.627	453.7006	ng/ml	100
T AR1016 4	6.261	0.0	2546379.008	522.5824	ng/ml	100
T AR1016 5	6.454	0.0	1817040.895	635.8113	ng/ml	100
T AR1016 3 #2	6.796	0.0	10007950.899	453.7001	ng/ml	100
T AR1016 4 #2	6.973	0.0	7086739.621	446.5779	ng/ml	100
T AR1016 5 #2	7.663	0.0	6308028.325	482.7238	ng/ml	100
T AR1260 1	8.601	0.0	3411181.510	428.8203	ng/ml	100
T AR1260 2	9.103	0.0	6283027.690	522.5949	ng/ml	100
T AR1260 3	9.557	0.0	7039595.290	582.5823	ng/ml	100
T AR1260 1 #2	9.860	0.0	11994392.807	524.1856	ng/ml	100
T AR1260 4	10.058	0.0	3197305.987	427.5283	ng/ml	100
T AR1260 2 #2	10.128	0.0	13925751.835	491.9285	ng/ml	100
T AR1260 3 #2	10.564	0.0	18144868.951	520.5562	ng/ml	100
T AR1260 5	10.774	0.0	18975546.515	1175.2313	ng/ml	100
T AR1260 4 #2	10.983	0.0	10259032.195	501.6755	ng/ml	100
T AR1260 5 #2	11.651	0.0	15652604.282	471.4463	ng/ml	100

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

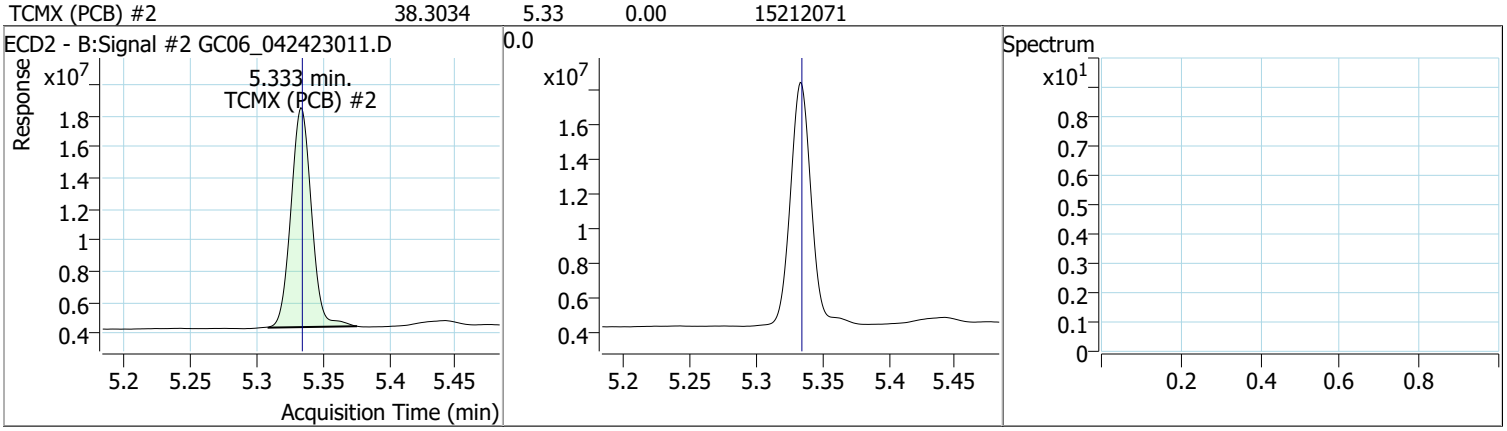
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.8750	4.97	0.00	4862315				



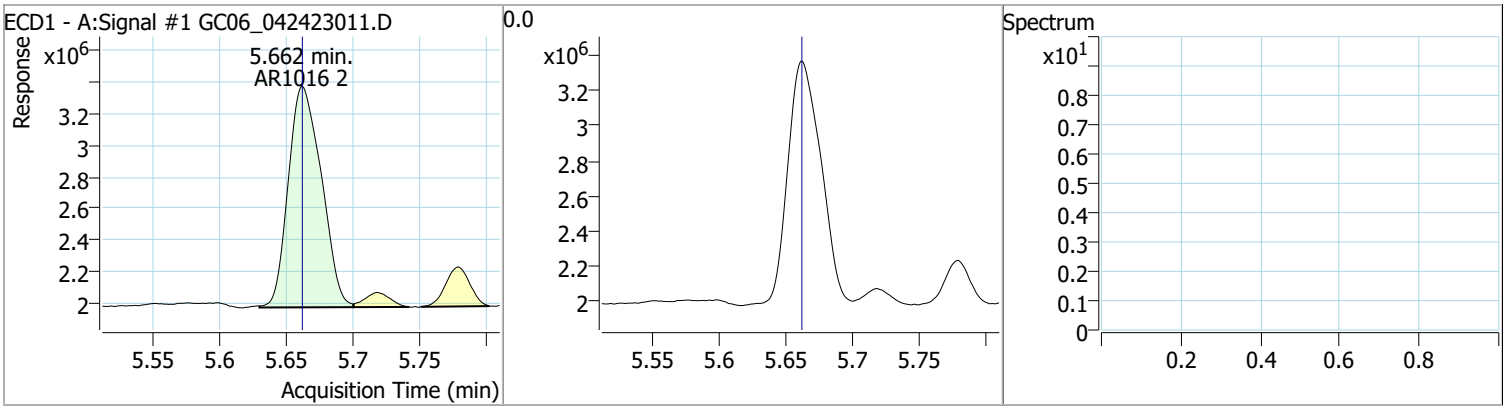
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	552.2387	5.32	0.00	1371235				



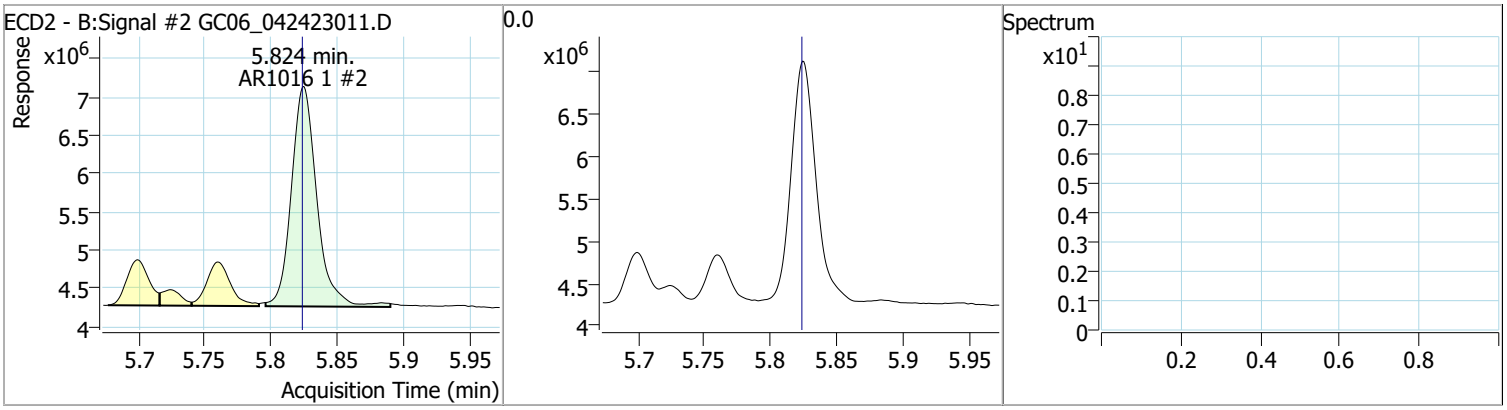
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.3034	5.33	0.00	15212071				



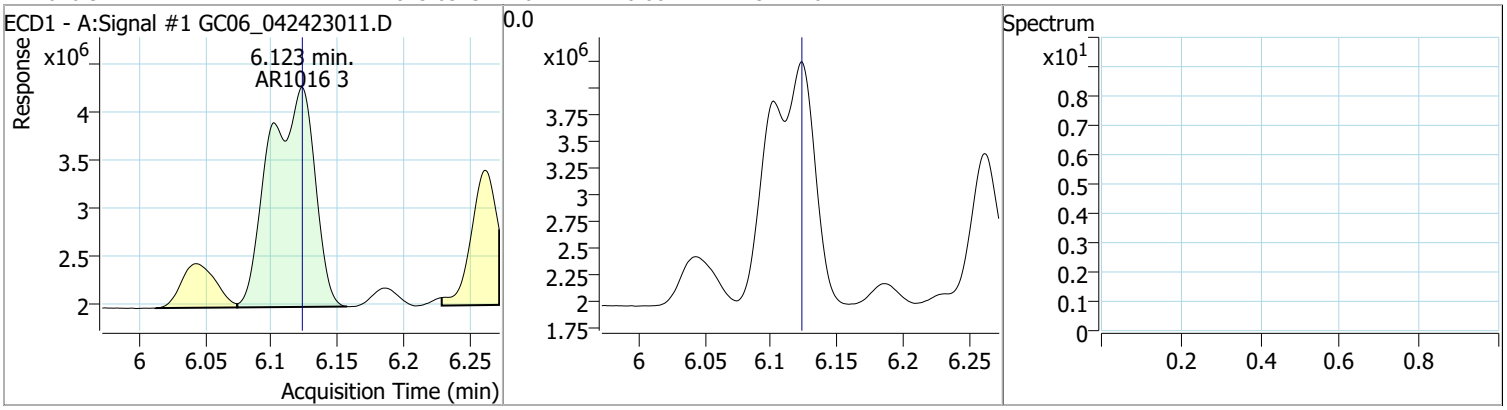
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	452.2348	5.66	0.00	2409235				



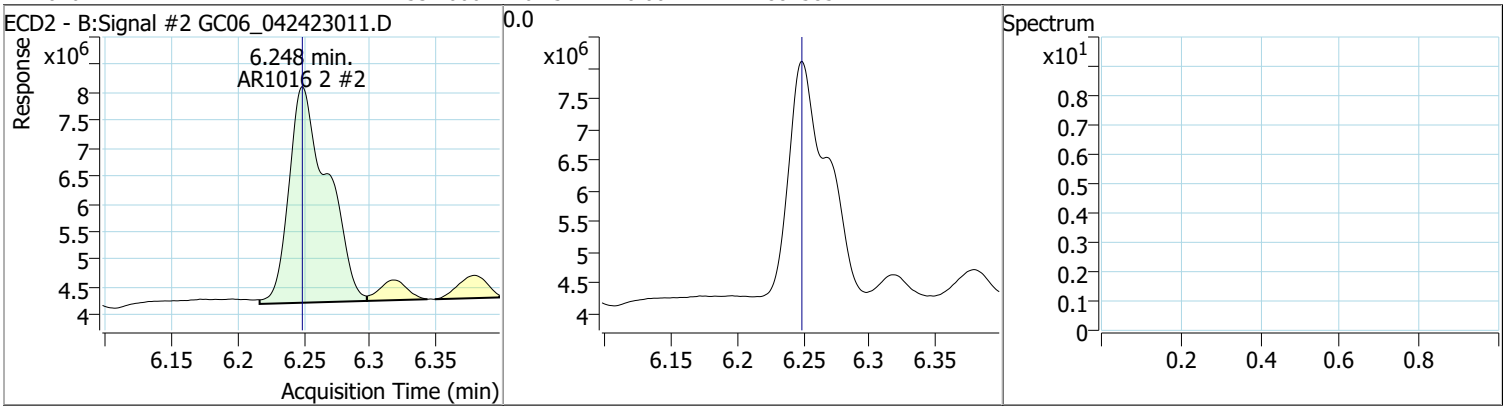
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	468.7441	5.82	0.00	3864268				



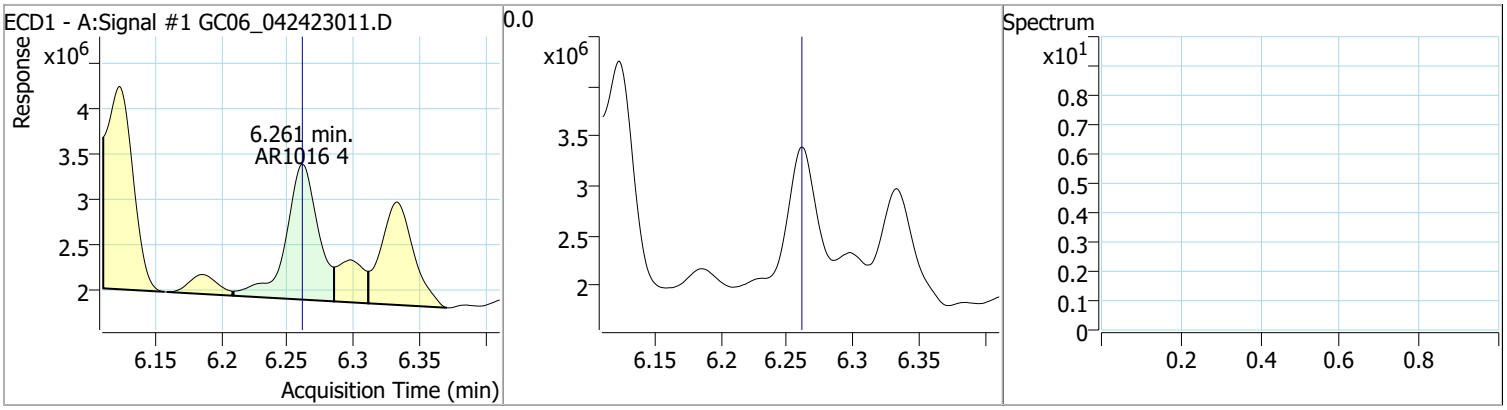
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	825.6525	6.12	0.00	5471761				



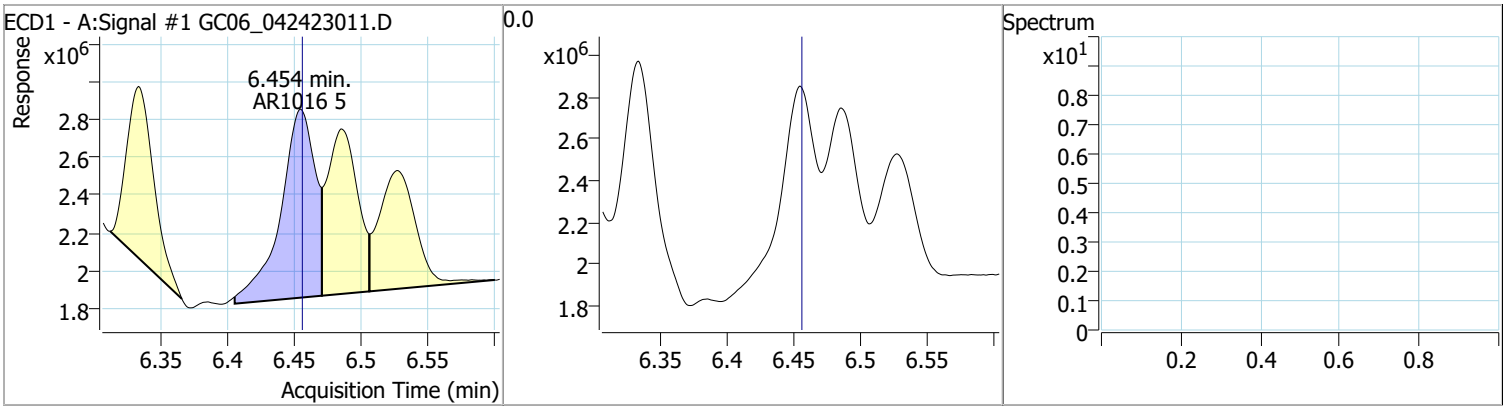
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	453.7006	6.25	0.00	7887585				



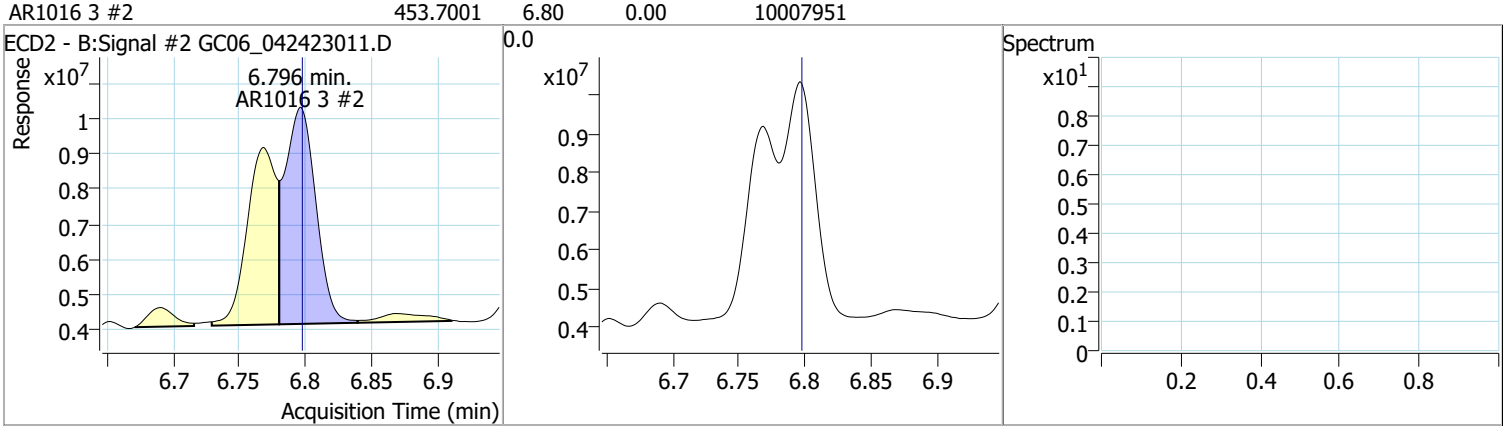
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	522.5824	6.26	0.00	2546379				



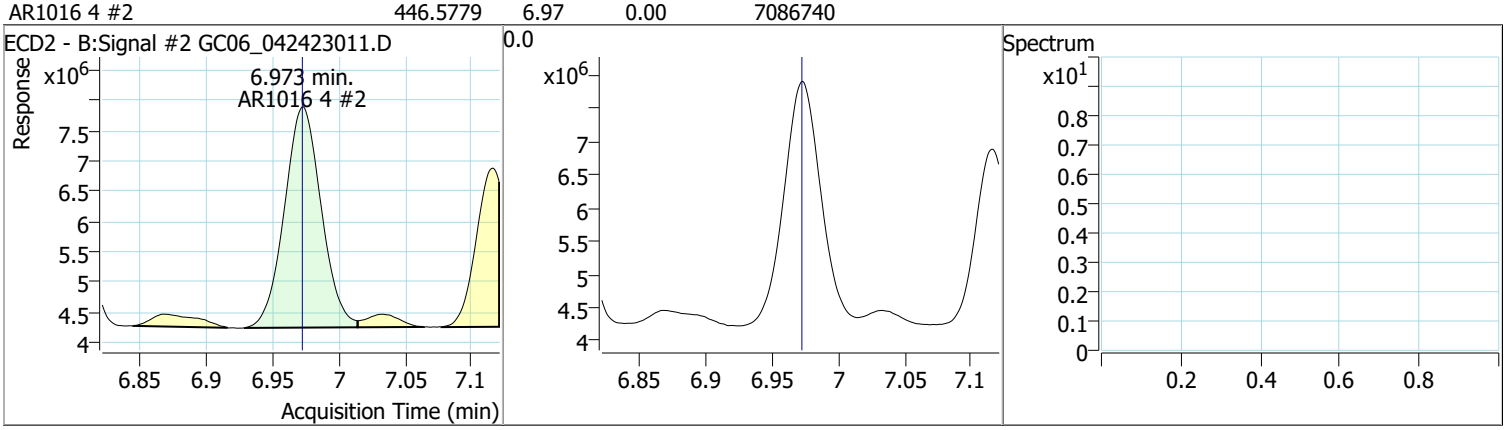
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	635.8113	6.45	0.00	1817041				



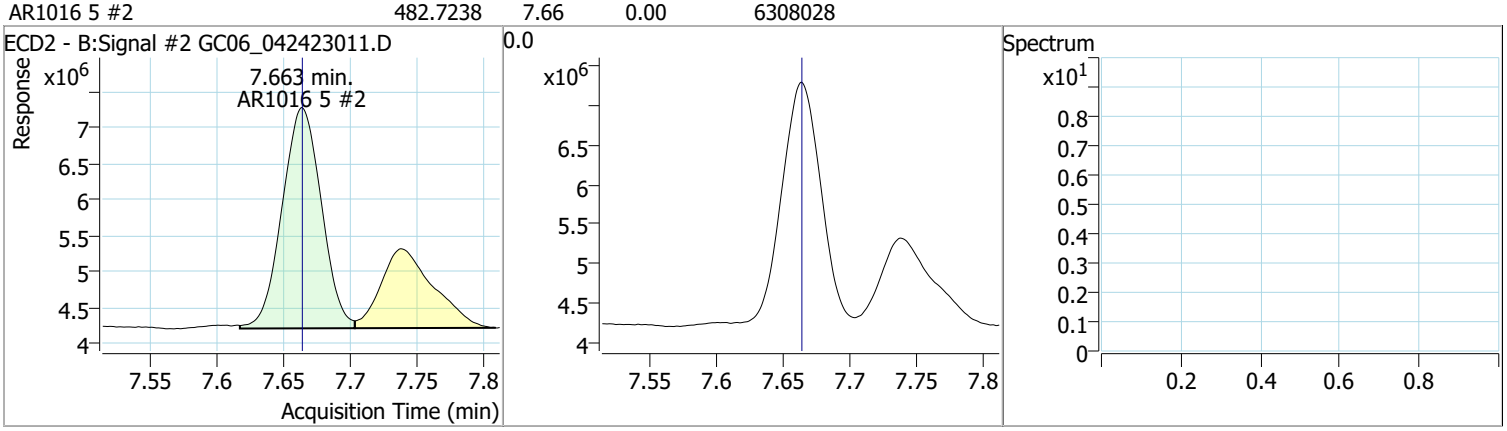
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	453.7001	6.80	0.00	10007951				



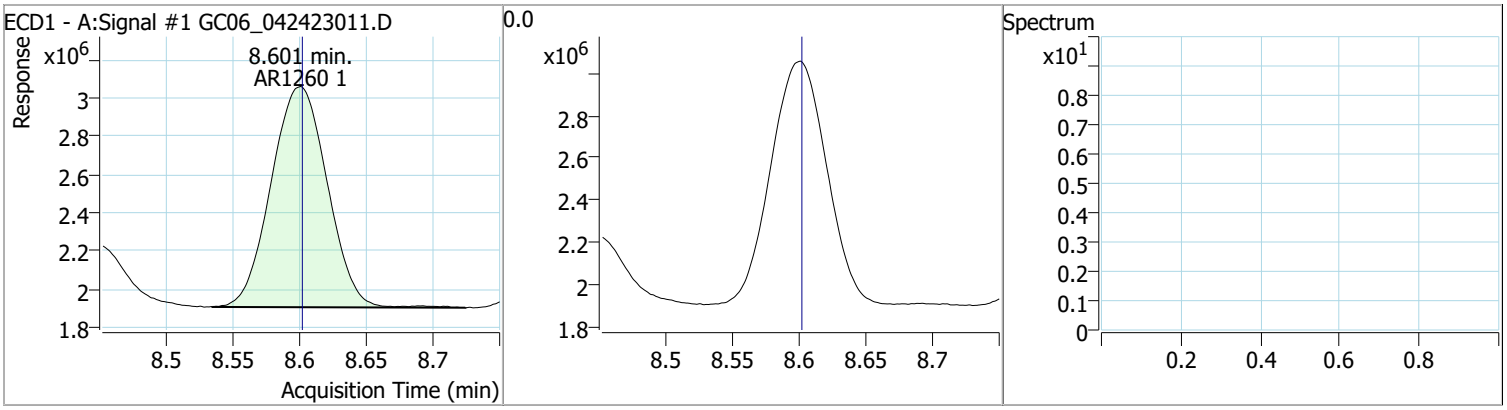
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AR1016 4 #2	446.5779	6.97	0.00	7086740				



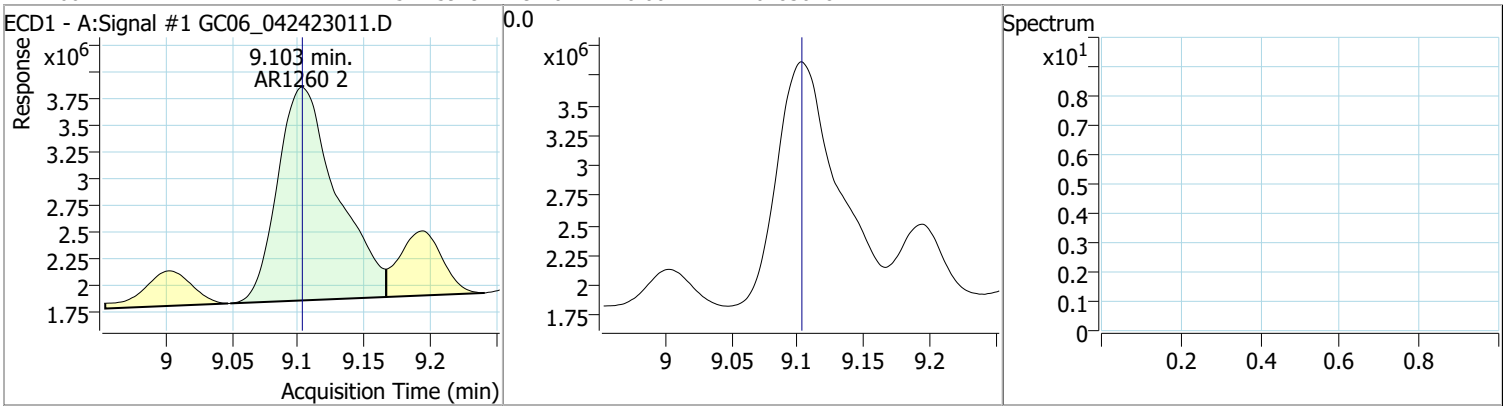
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	482.7238	7.66	0.00	6308028				



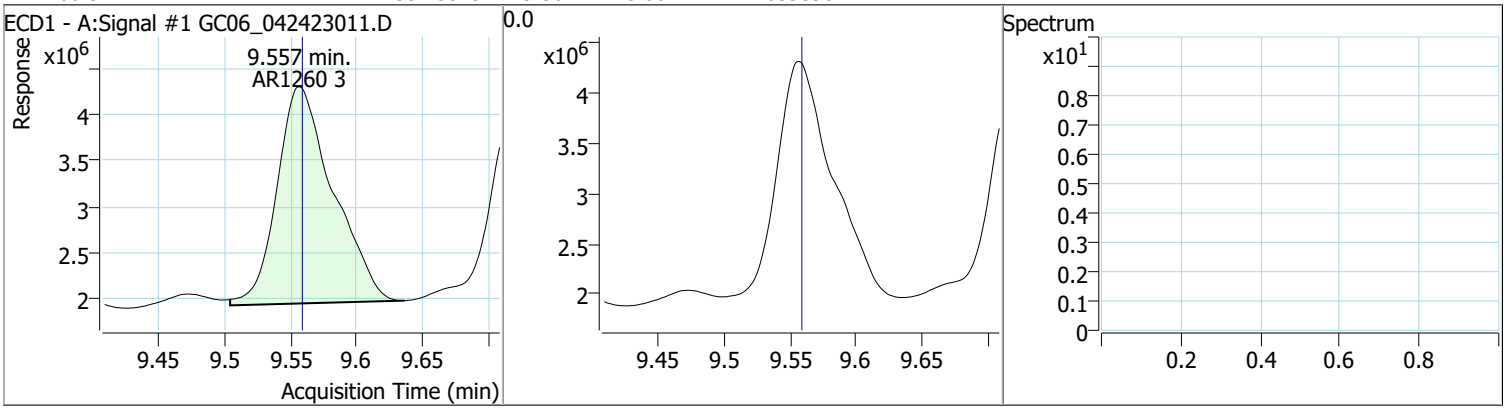
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	428.8203	8.60	0.00	3411182				



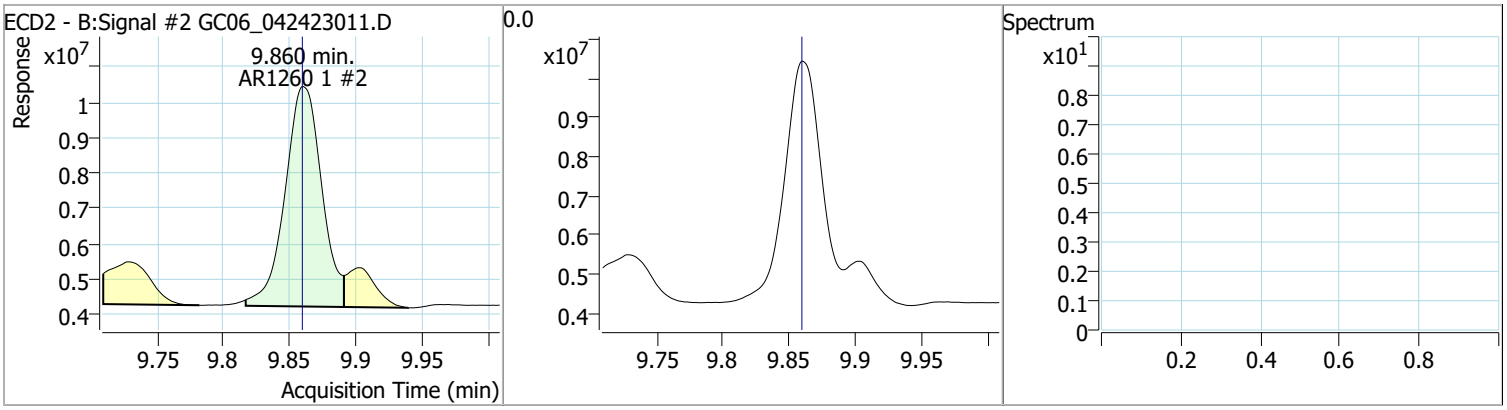
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	522.5949	9.10	0.00	6283028				



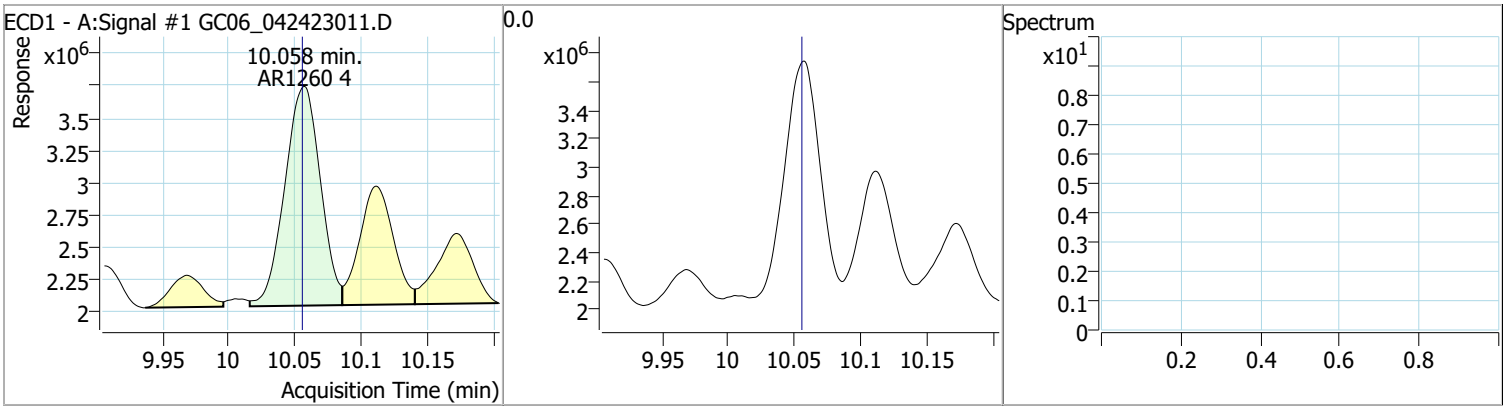
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	582.5823	9.56	0.00	7039595				



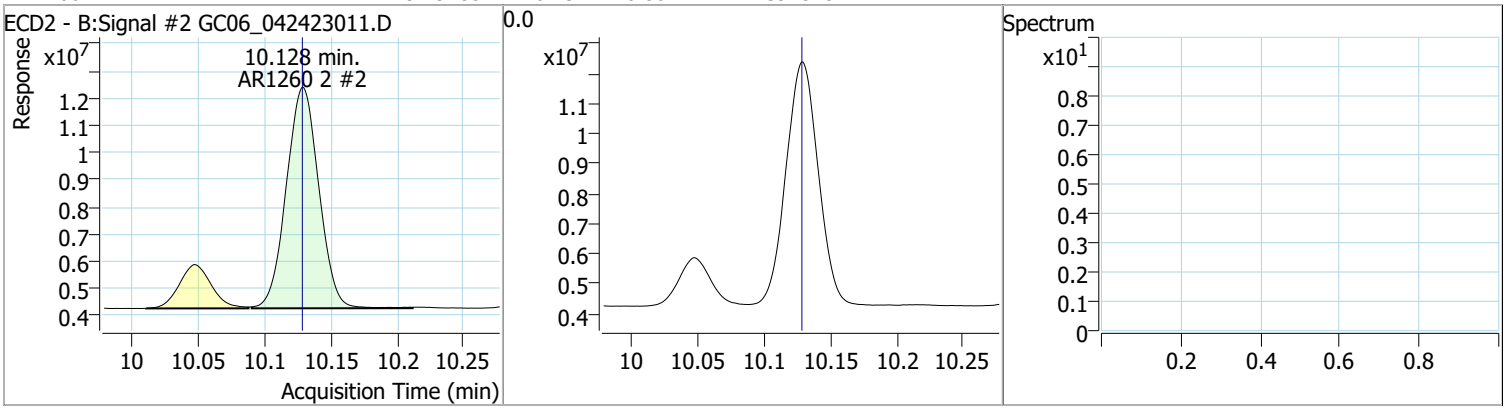
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	524.1856	9.86	0.00	11994393				



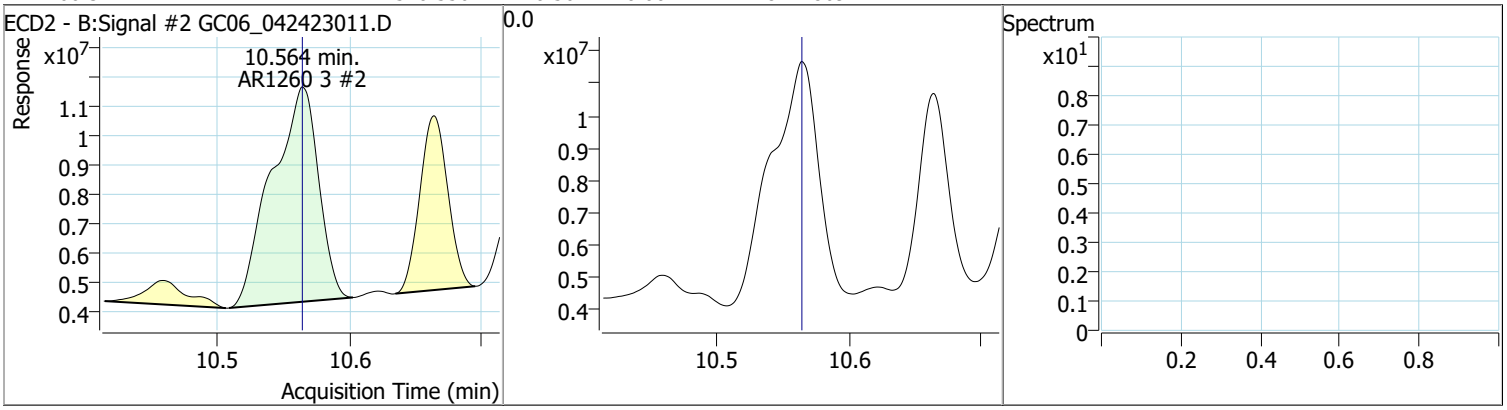
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	427.5283	10.06	0.00	3197306				



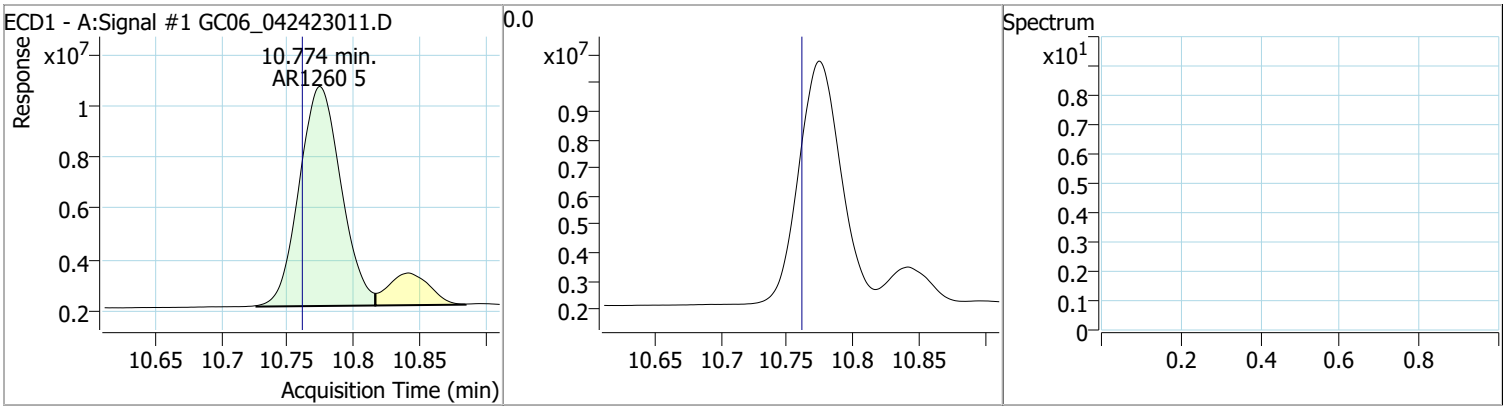
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	491.9285	10.13	0.00	13925752				



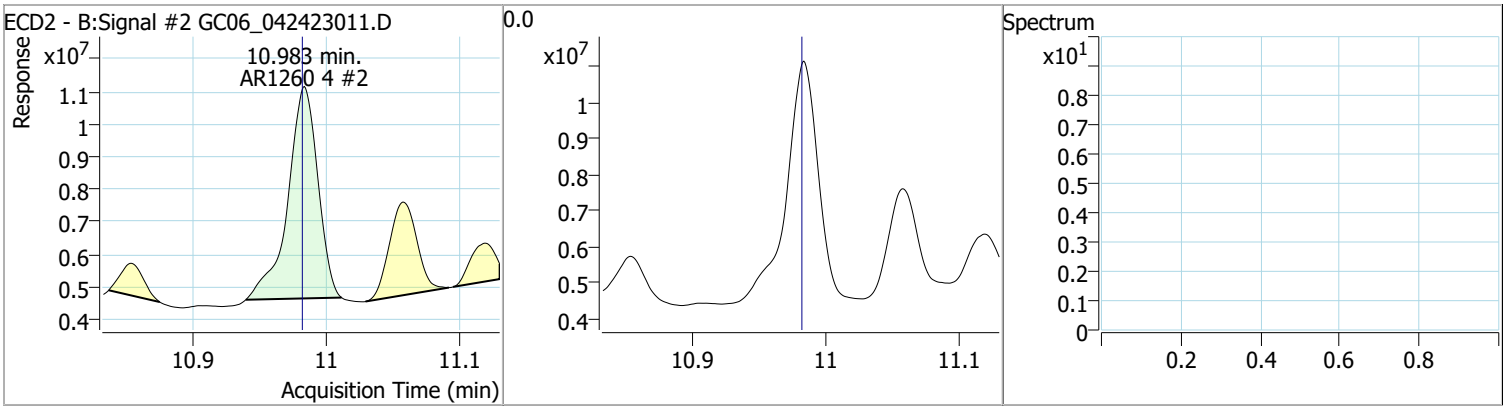
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	520.5562	10.56	0.00	18144869				



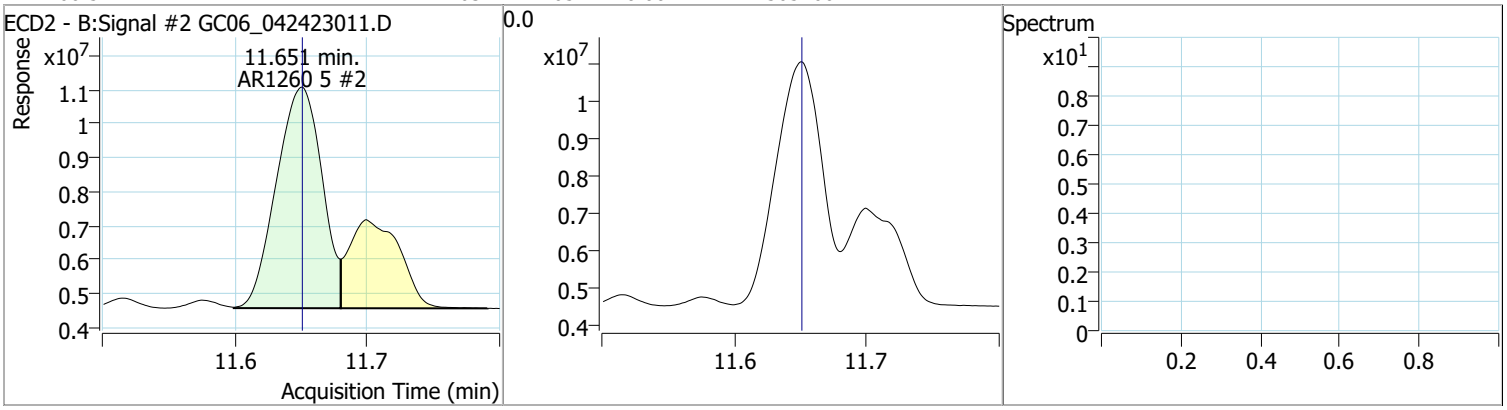
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1175.2313	10.77	0.01	18975547				



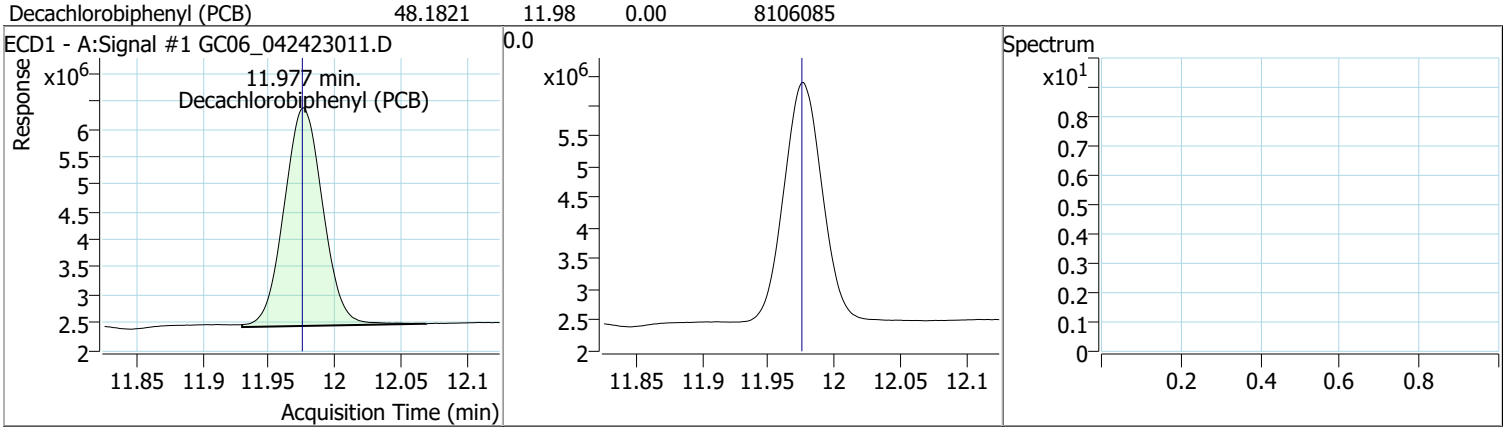
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	501.6755	10.98	0.00	10259032				



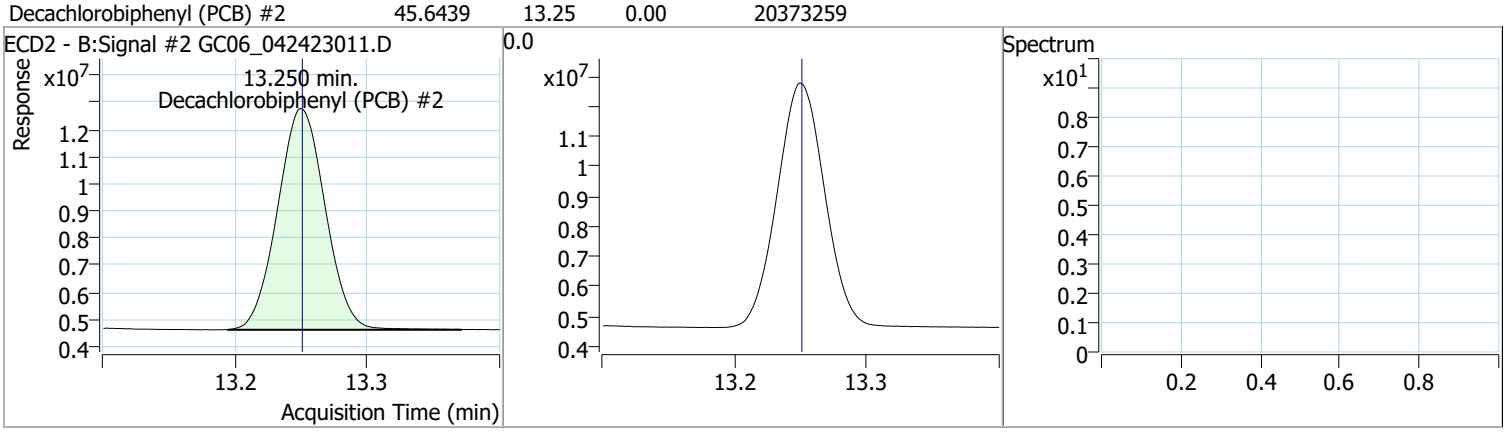
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	471.4463	11.65	0.00	15652604				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.1821	11.98	0.00	8106085				

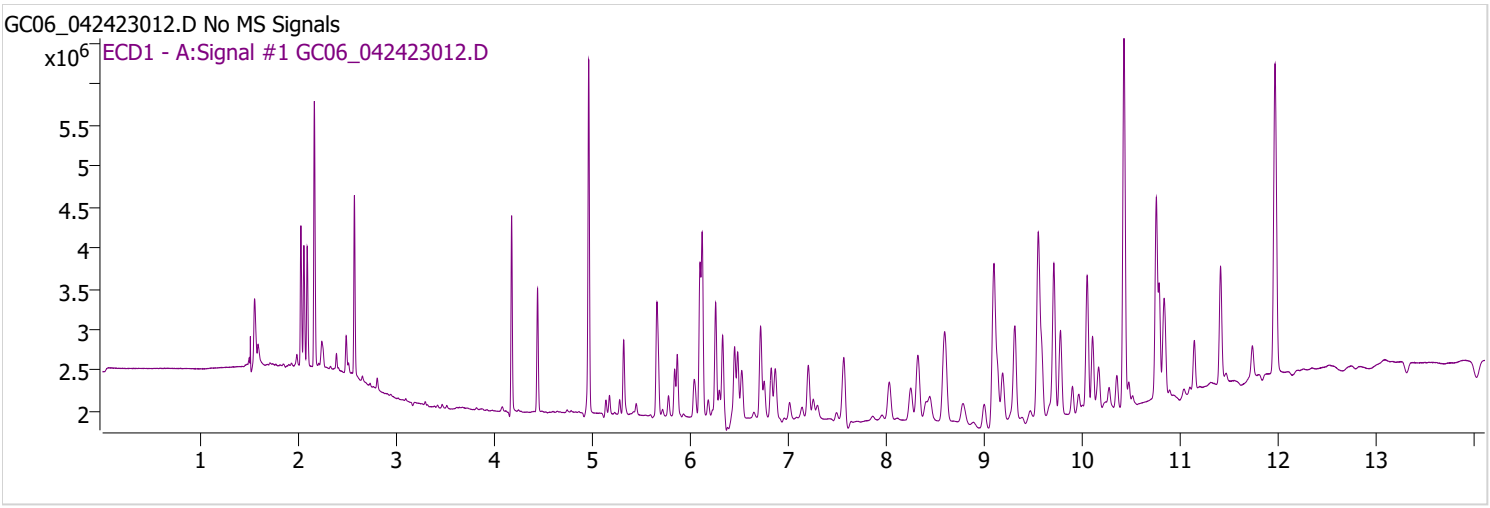


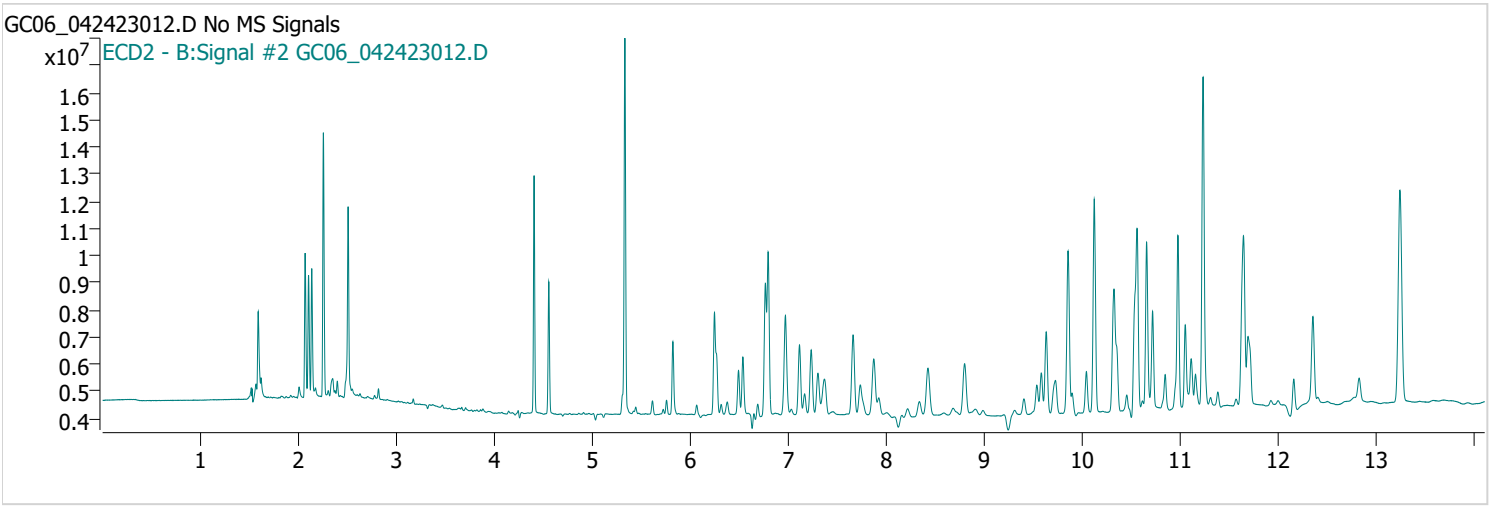
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.6439	13.25	0.00	20373259				



Quantitation Results Report (Not Reviewed)

Data File	GC06_042423012.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/24/2023 2:26:23 PM
Sample Name	QC1059367, 312006, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_12.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	042423PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



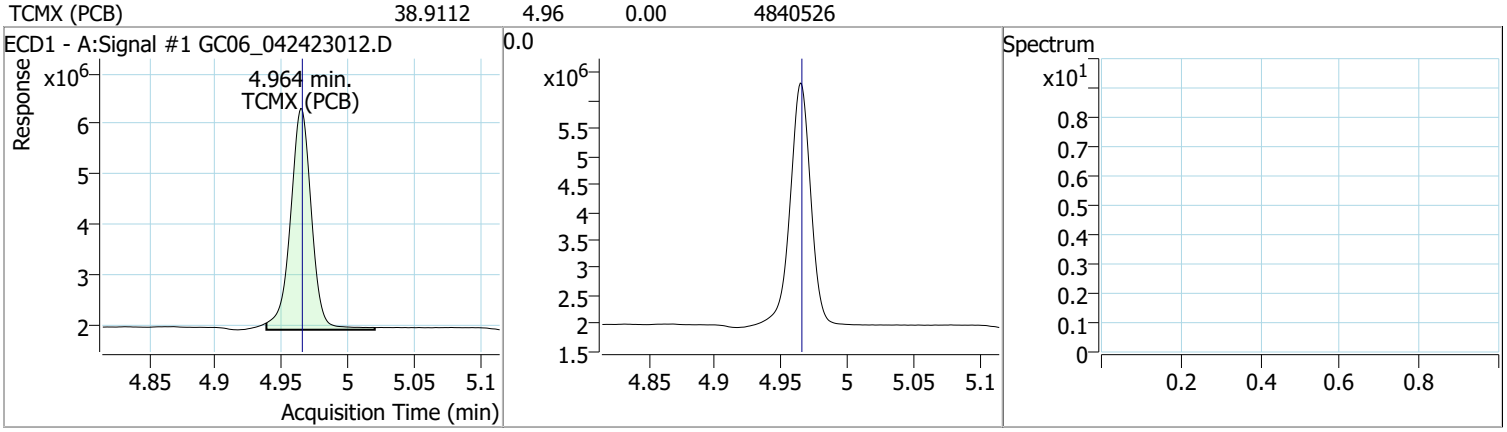


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.178	0.0	2435610.356	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.407	0.0	8026902.855	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.964	0.0	4840525.956	38.9112	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.56%		*	
S TCMX (PCB) #2	5.334	0.0	15469033.290	38.9182	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.59%		*	
S Decachlorobiphenyl (PCB)	11.974	0.0	8072236.175	47.0320	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.16%		*	
S Decachlorobiphenyl (PCB) #2	13.249	0.0	19917330.604	44.5855	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.93%		*	
Target Compounds							QValue

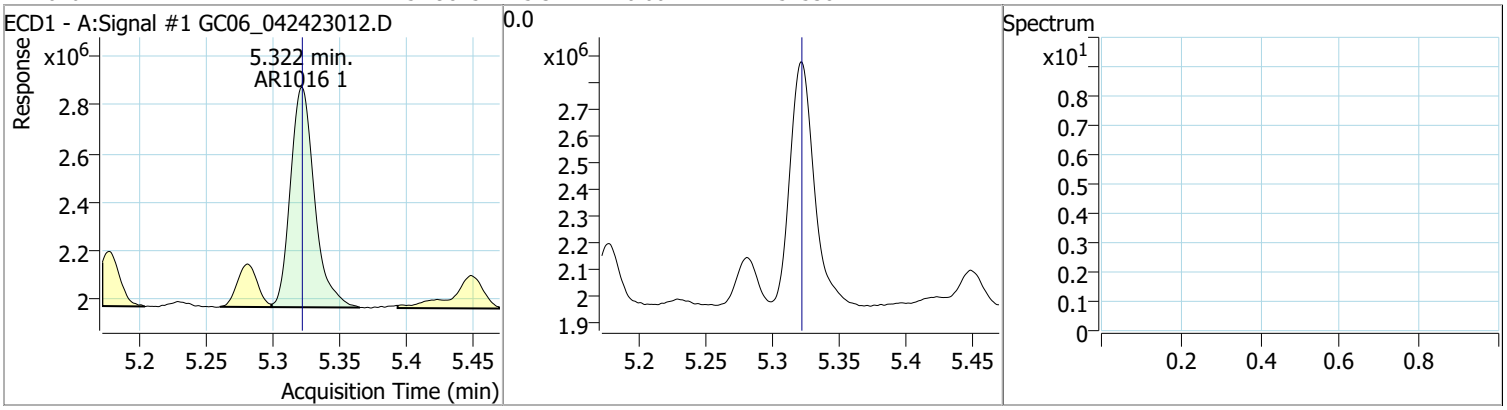
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.322	0.0	1152538.063	454.9825	ng/ml	100
T AR1016 2	5.662	0.0	2454939.220	451.6998	ng/ml	100
T AR1016 1 #2	5.824	0.0	3445290.513	417.5747	ng/ml	100
T AR1016 3	6.123	0.0	3184196.942	470.9714	ng/ml	100
T AR1016 2 #2	6.249	0.0	7831323.709	450.0909	ng/ml	100
T AR1016 4	6.261	0.0	2273336.047	457.3196	ng/ml	100
T AR1016 5	6.454	0.0	1787431.238	613.0802	ng/ml	100
T AR1016 3 #2	6.797	0.0	9768457.903	442.4758	ng/ml	100
T AR1016 4 #2	6.973	0.0	6988240.514	440.0058	ng/ml	100
T AR1016 5 #2	7.664	0.0	6050144.971	462.6054	ng/ml	100
T AR1260 1	8.600	0.0	3205639.121	395.0114	ng/ml	100
T AR1260 2	9.104	0.0	6032830.877	491.8603	ng/ml	100
T AR1260 3	9.556	0.0	6657115.072	540.0328	ng/ml	100
T AR1260 1 #2	9.860	0.0	10995631.861	480.1388	ng/ml	100
T AR1260 4	10.055	0.0	3152739.518	413.2313	ng/ml	100
T AR1260 2 #2	10.128	0.0	13377301.169	472.1626	ng/ml	100
T AR1260 3 #2	10.564	0.0	17052361.884	488.8078	ng/ml	100
T AR1260 5	10.762	0.0	4438791.850	269.4749	ng/ml	100
T AR1260 4 #2	10.982	0.0	10206059.943	498.6713	ng/ml	100
T AR1260 5 #2	11.651	0.0	14989731.342	451.1067	ng/ml	100

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

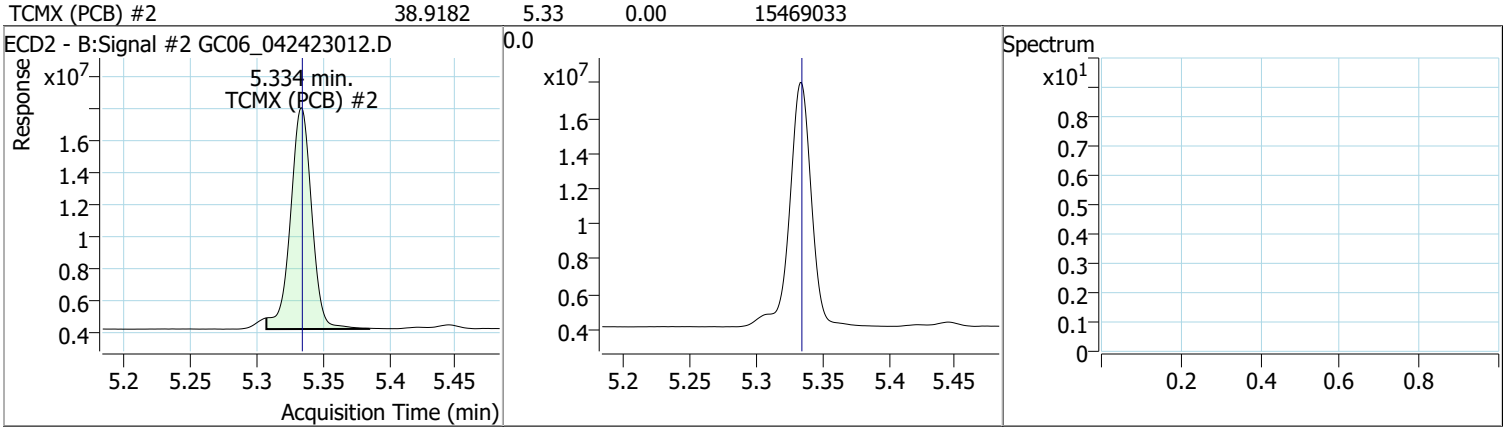
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.9112	4.96	0.00	4840526				



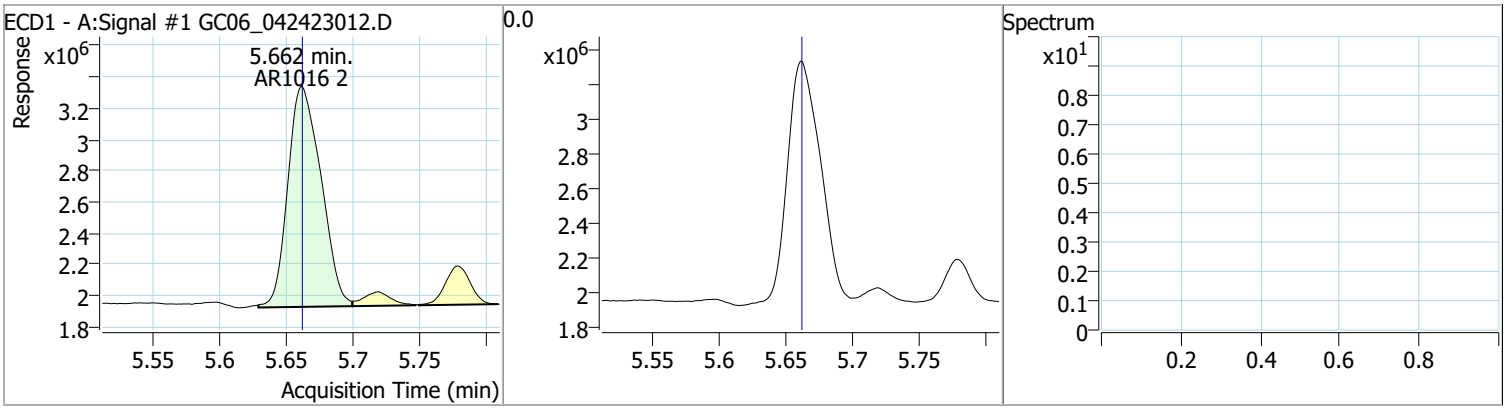
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	454.9825	5.32	0.00	1152538				



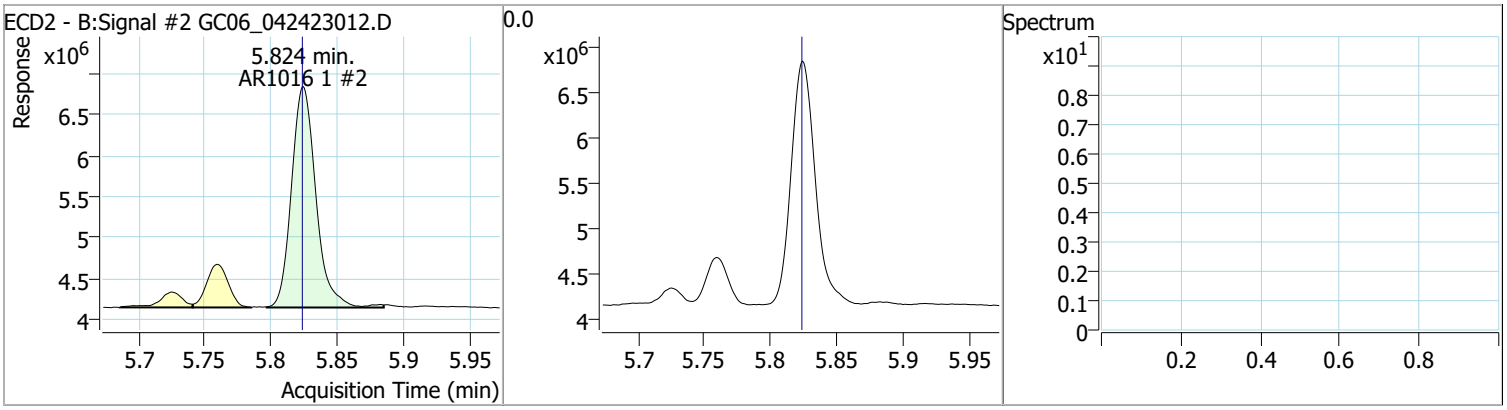
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.9182	5.33	0.00	15469033				



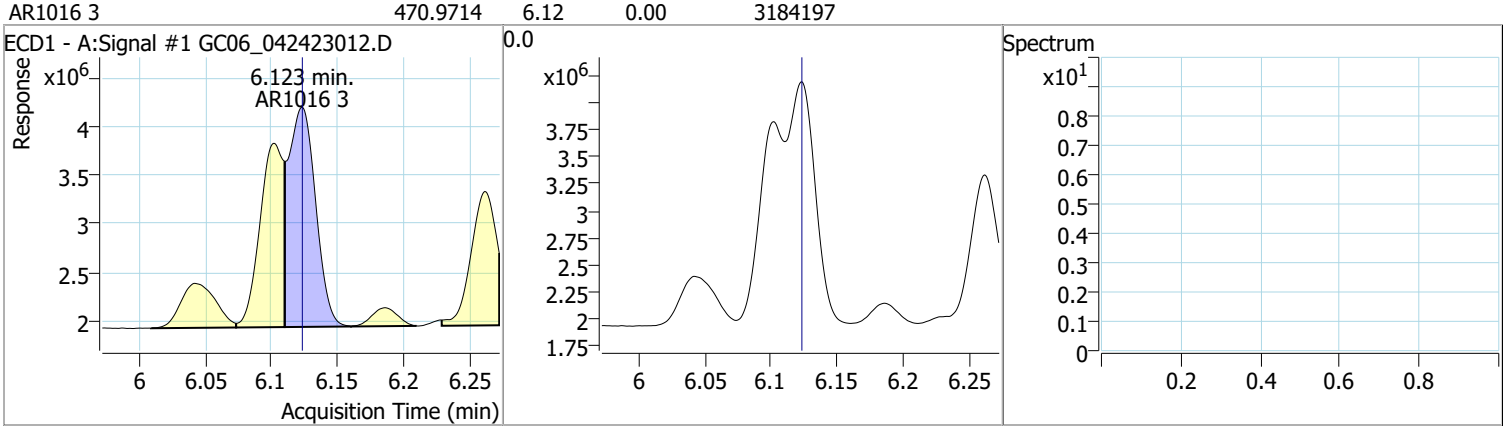
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	451.6998	5.66	0.00	2454939				



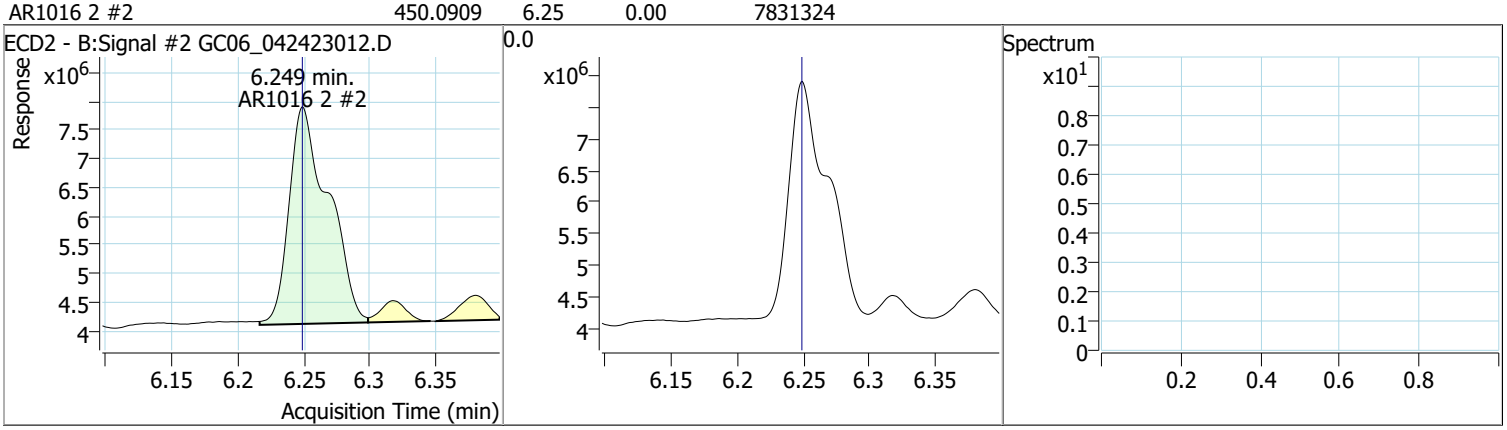
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	417.5747	5.82	0.00	3445291				



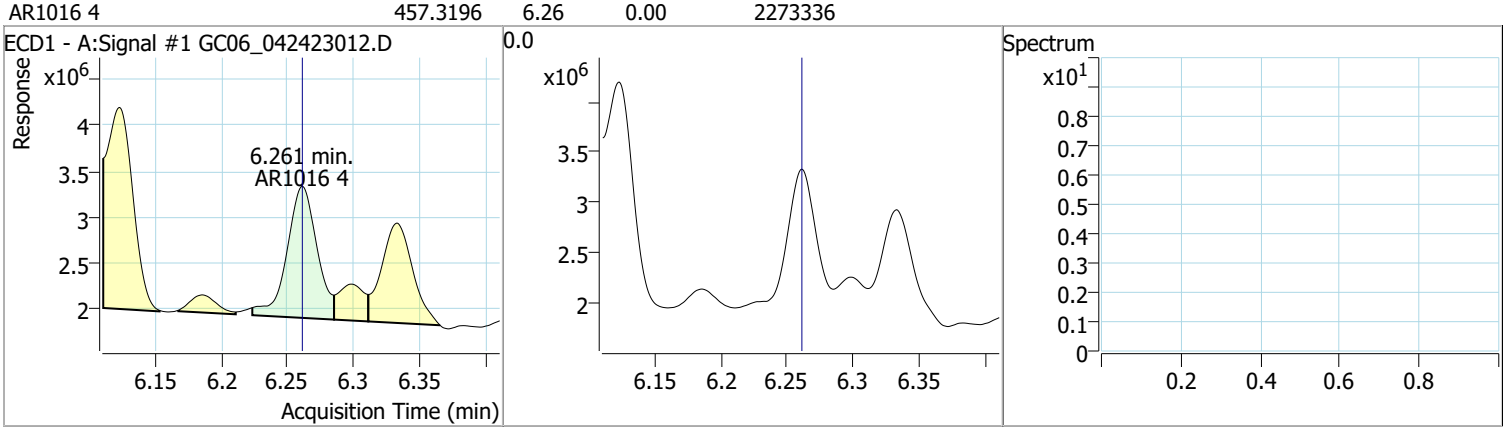
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.9714	6.12	0.00	3184197				



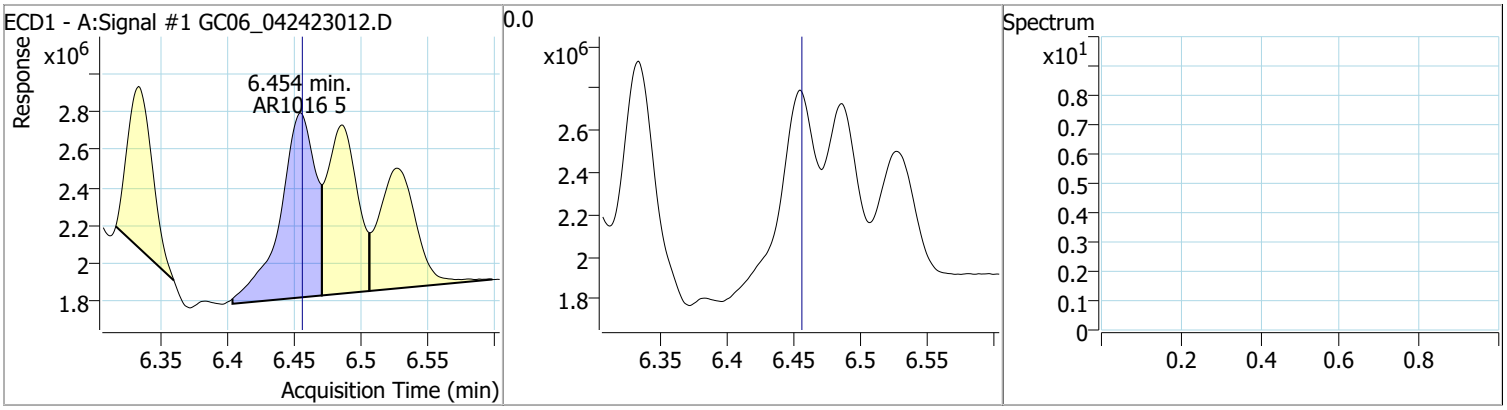
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	450.0909	6.25	0.00	7831324				



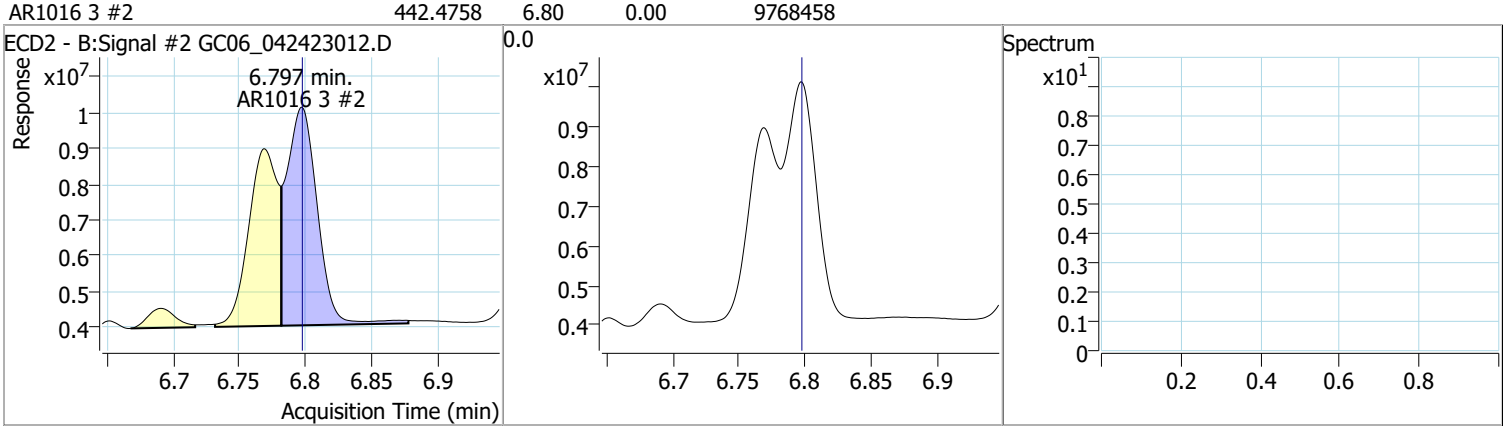
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	457.3196	6.26	0.00	2273336				



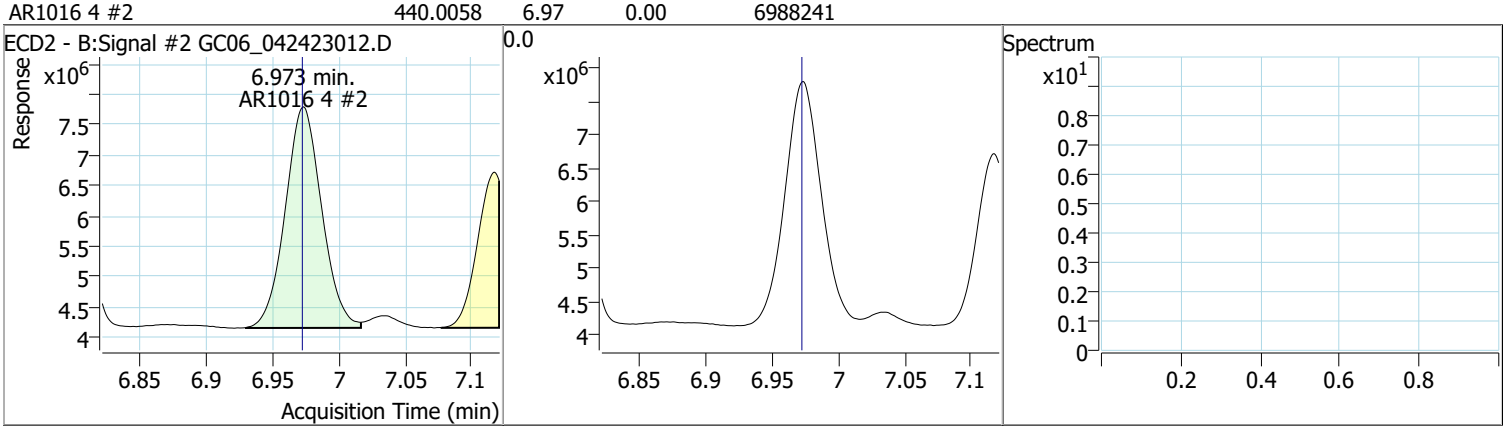
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	613.0802	6.45	0.00	1787431				



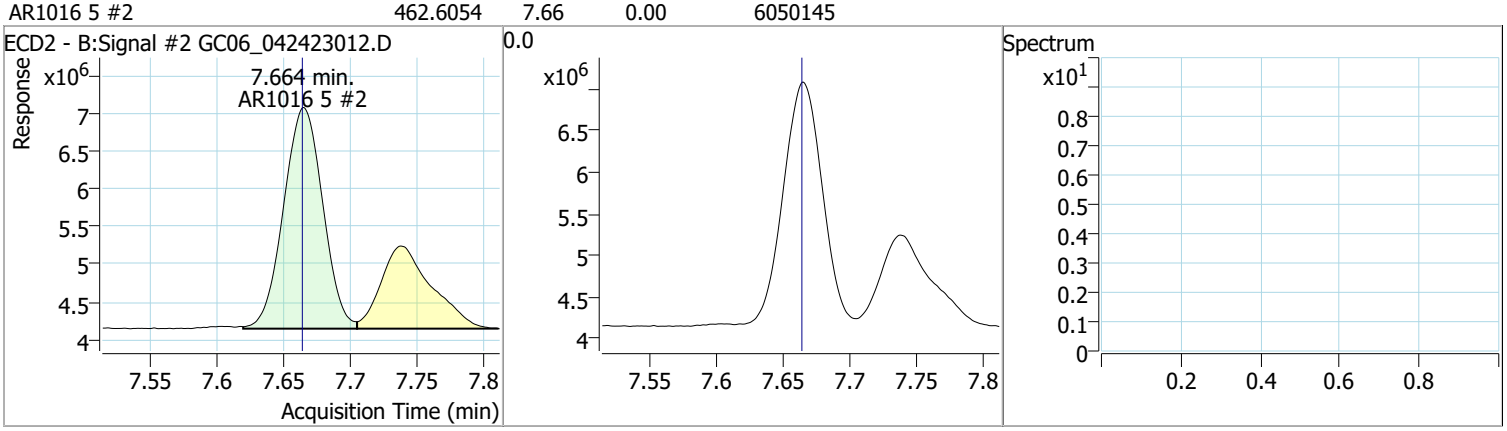
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	442.4758	6.80	0.00	9768458				



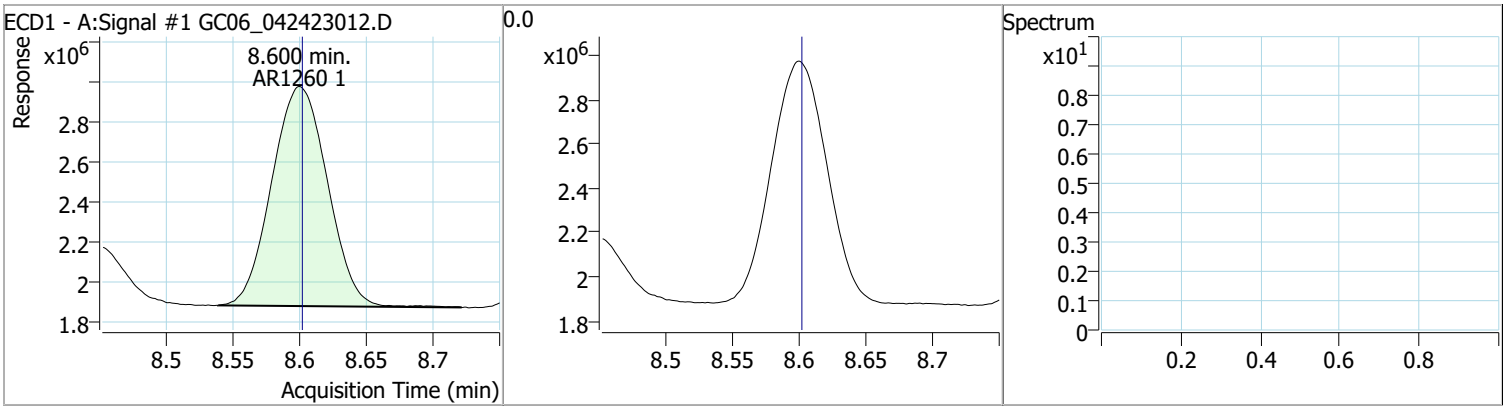
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	440.0058	6.97	0.00	6988241				



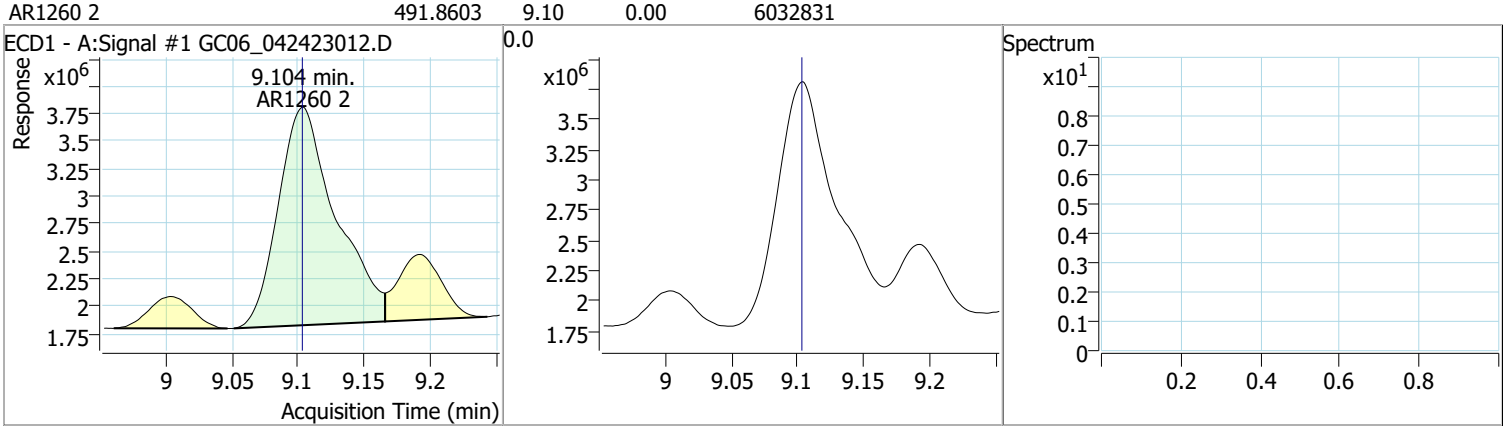
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	462.6054	7.66	0.00	6050145				



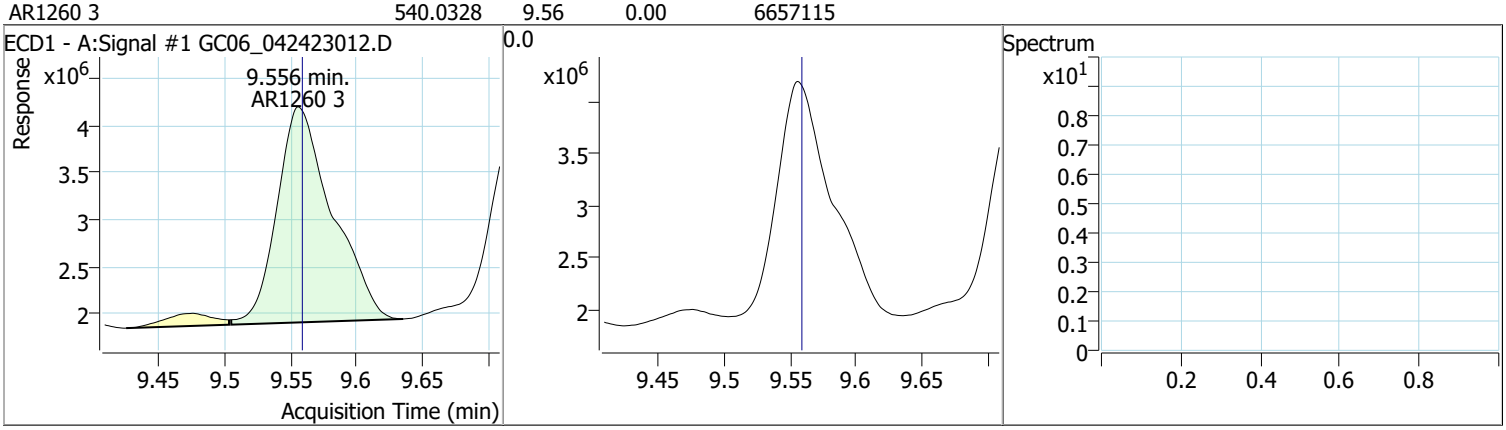
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	395.0114	8.60	0.00	3205639				



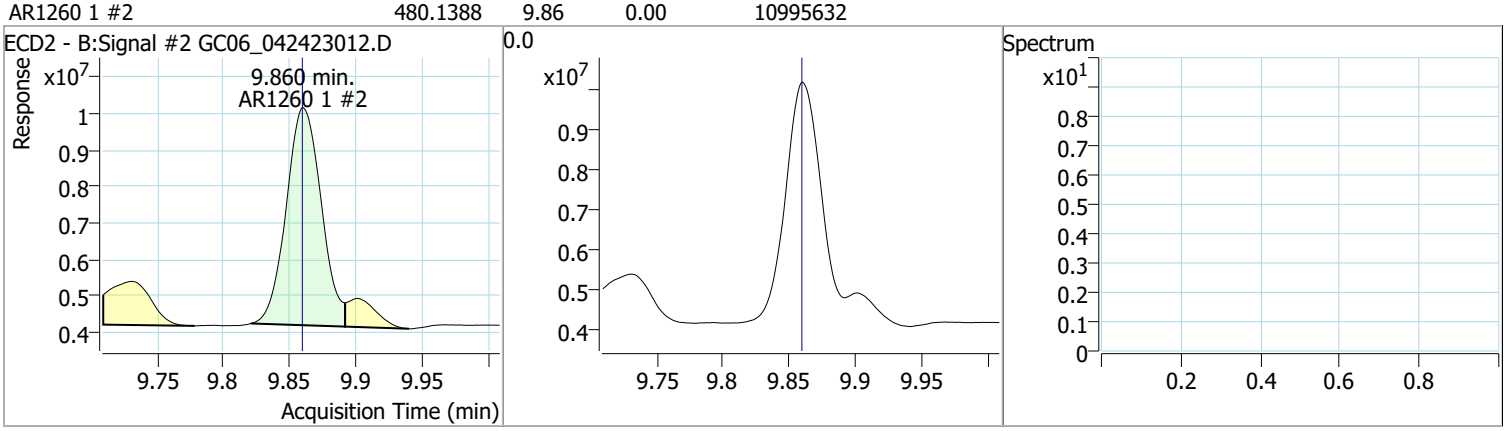
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	491.8603	9.10	0.00	6032831				



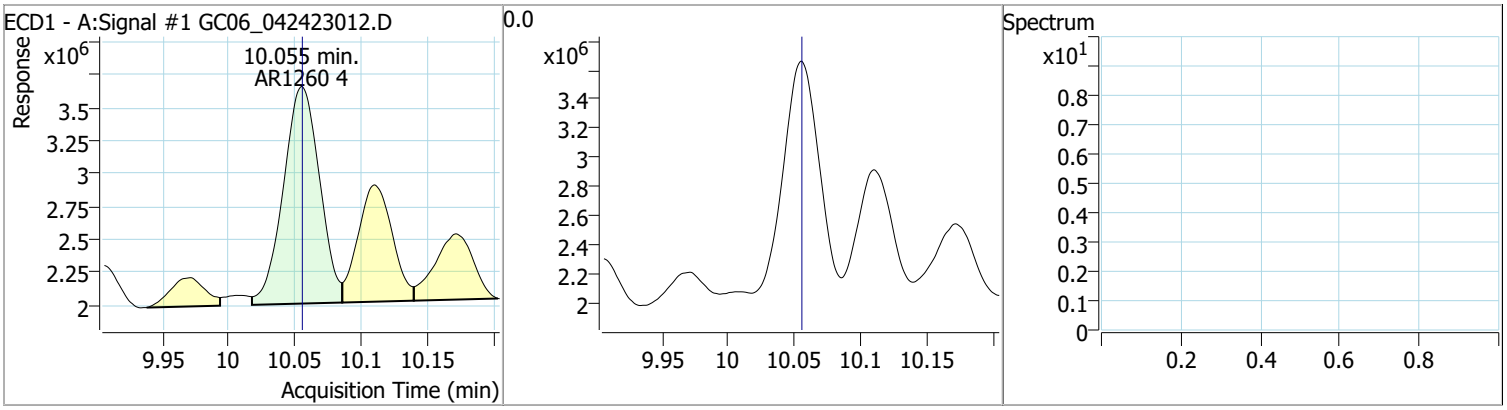
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	540.0328	9.56	0.00	6657115				



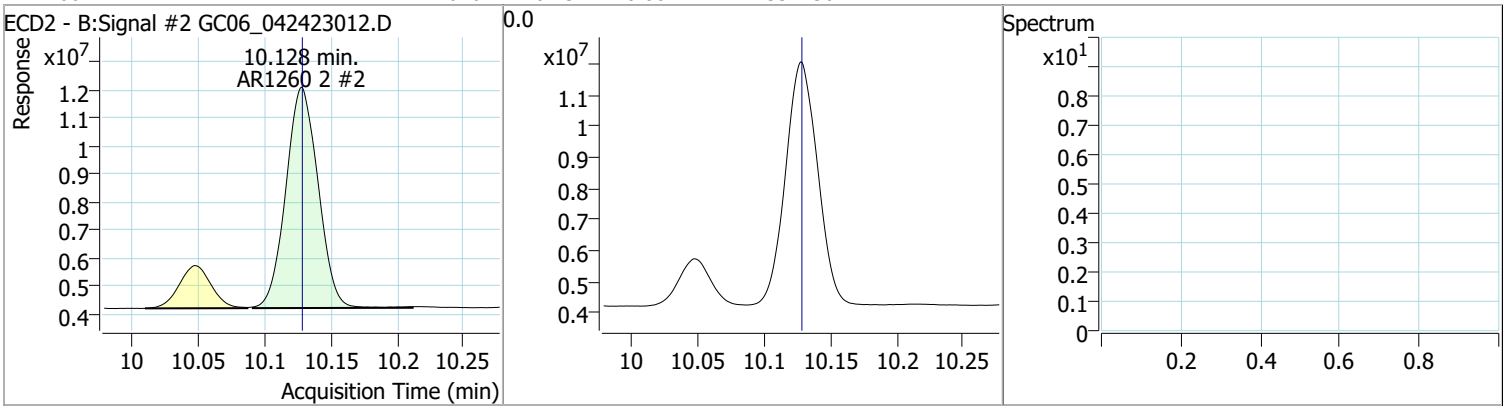
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	480.1388	9.86	0.00	10995632				



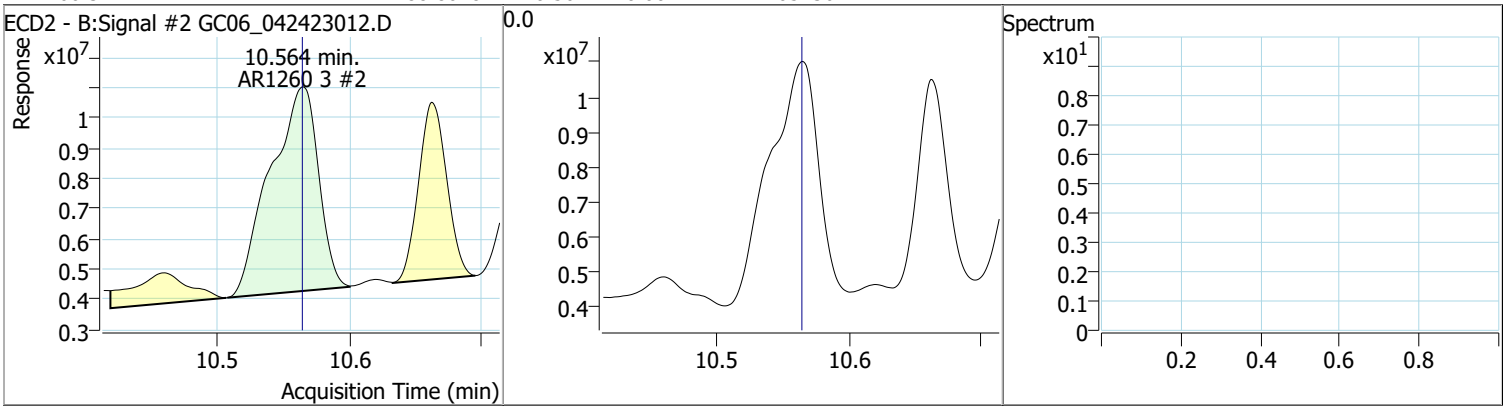
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	413.2313	10.06	0.00	3152740				



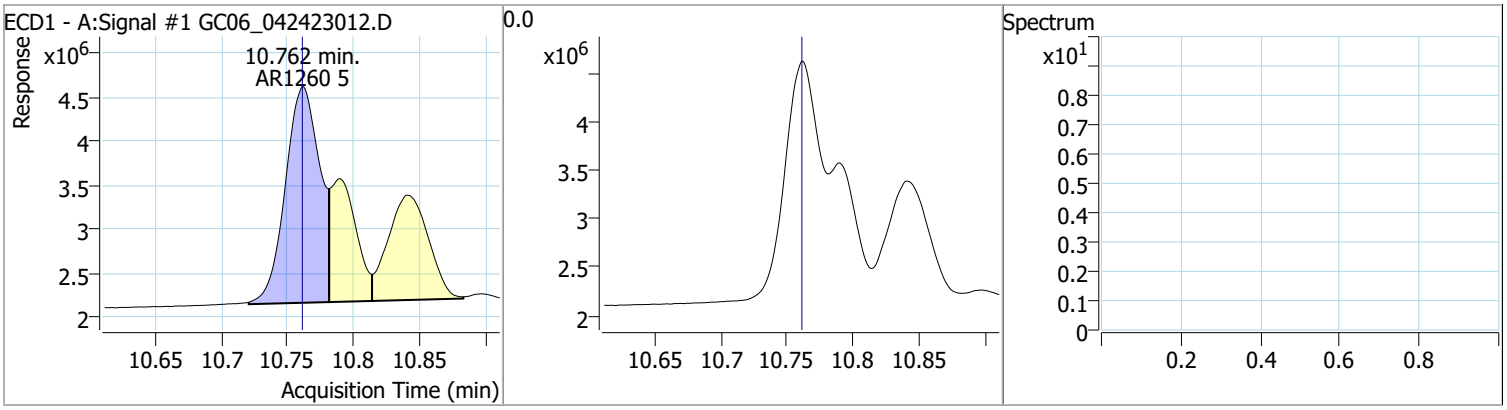
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	472.1626	10.13	0.00	13377301				



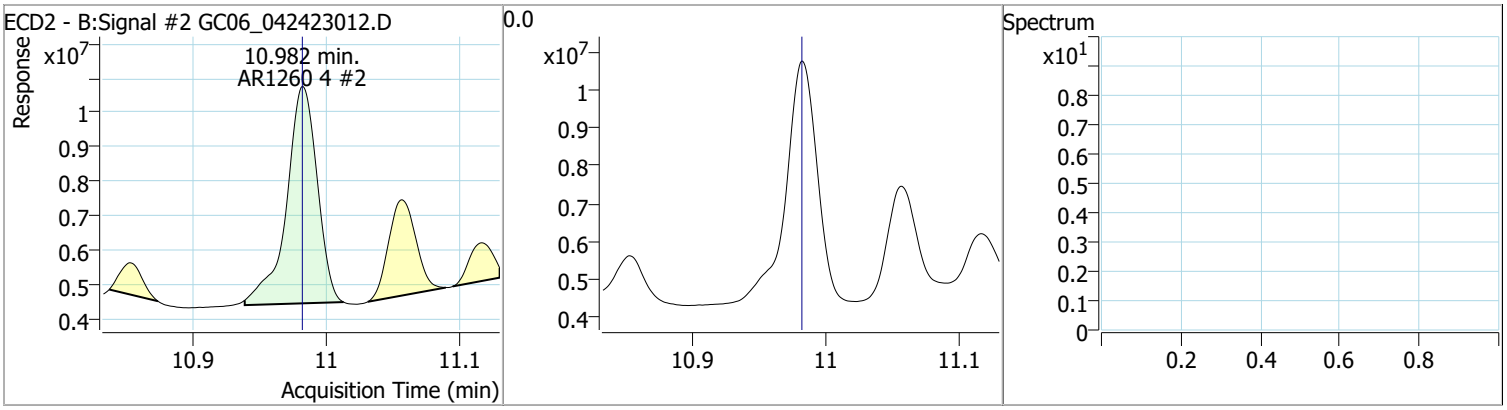
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	488.8078	10.56	0.00	17052362				



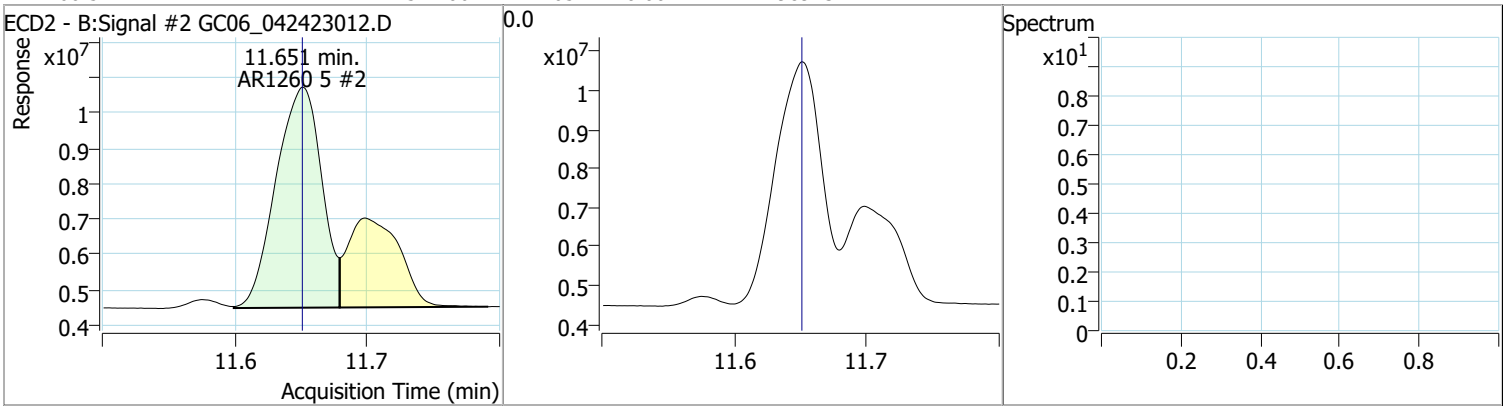
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	269.4749	10.76	0.00	4438792				



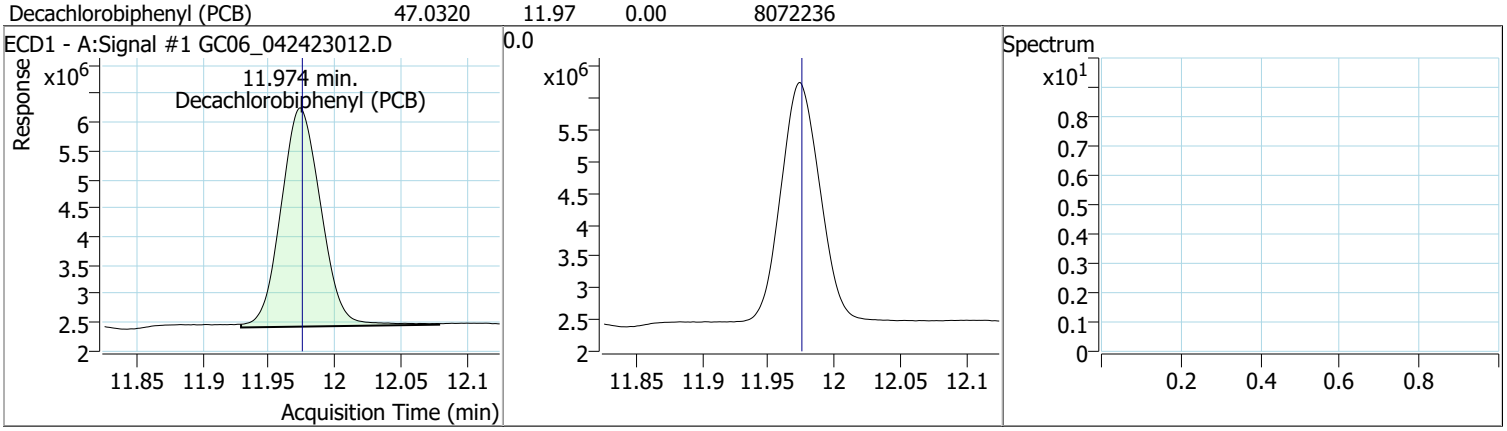
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	498.6713	10.98	0.00	10206060				



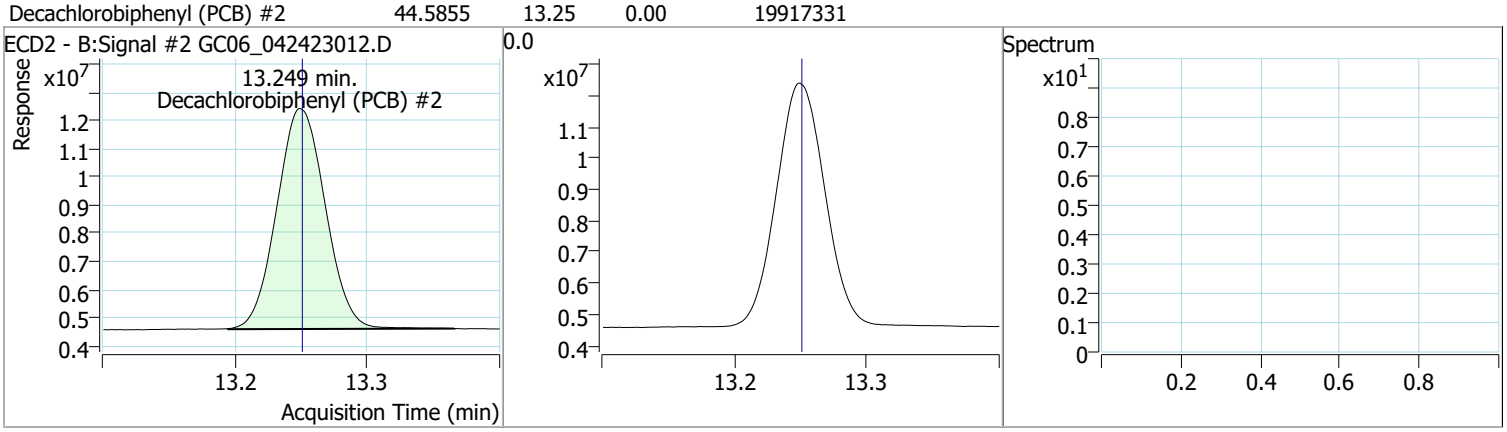
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	451.1067	11.65	0.00	14989731				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.0320	11.97	0.00	8072236				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.5855	13.25	0.00	19917331				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_040723026	453140432026		07-APR-2023 22:30	S18179
L2	gc06_040723027	453140432027		07-APR-2023 22:48	S18180
L3	gc06_040723028	453140432028		07-APR-2023 23:07	S18181
L4	gc06_040723029	453140432029		07-APR-2023 23:25	S18182
L5	gc06_040723030	453140432030		07-APR-2023 23:43	S18183
L6	gc06_040723031	453140432031		08-APR-2023 00:01	S18184
L7	gc06_040723032	453140432032		08-APR-2023 00:19	S18185
L8	gc06_040723033	453140432033		08-APR-2023 00:38	S18186
L9	gc06_040723034	453140432034		08-APR-2023 00:56	S18187
L10	gc06_040723035	453140432035		08-APR-2023 01:14	S18188

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		48.0742		0.0208	15	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.4068		0.0446	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.0122		0.0555	17	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.4979		0.0408	15	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		41.7696		0.0239	16	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.0061		0.0666	18	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.92872		0.1007	19	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.87885		0.1012	14	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		15.9617		0.0627	16	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		7.39310		0.1353	18	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.70953		1.4094	18	10	.99	20	
TCMX (PCB)	A	AVRG		0.97894		1.0215	14	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.6431		0.0206	18	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.0663		0.0434	13	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.1793		0.0550	14	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.2699		0.0396	16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		30.6873		0.0326	17	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.5250		0.0571	14	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.1656		0.0706	17	10	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.5045		0.0869	11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.6096		0.0510	13	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		12.0781		0.0828	17	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.89841		1.1131	16	10	.99	20	
TCMX (PCB)	B	AVRG		1.00972		0.9904	7	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A		0.0254	0.0242	0.0241	0.0212	0.0205	0.0191	0.0182	0.0174	0.0172
Aroclor-1016 Peak # 2	A			0.0606	0.0551	0.0463	0.0437	0.0404	0.0382	0.0366	0.0360
Aroclor-1016 Peak # 3	A		0.0725	0.0649	0.0624	0.0552	0.0540	0.0498	0.0473	0.0469	0.0466
Aroclor-1016 Peak # 4	A		0.0508	0.0465	0.0462	0.0416	0.0409	0.0377	0.0356	0.0345	0.0337
Aroclor-1016 Peak # 5	A		0.0301	0.0269	0.0279	0.0251	0.0241	0.0221	0.0206	0.0197	0.0192
Aroclor-1260 Peak # 1	A		0.0863	0.0771	0.0784	0.0680	0.0668	0.0600	0.0562	0.0550	0.0520
Aroclor-1260 Peak # 2	A		0.1326	0.1160	0.1195	0.1060	0.1004	0.0891	0.0833	0.0823	0.0773
Aroclor-1260 Peak # 3	A		0.1222	0.1062	0.1214	0.1043	0.1028	0.0935	0.0883	0.0884	0.0839
Aroclor-1260 Peak # 4	A	0.0749	0.0770	0.0710	0.0701	0.0618	0.0614	0.0556	0.0525	0.0524	0.0497
Aroclor-1260 Peak # 5	A	0.1711	0.1736	0.1523	0.1466	0.1271	0.1280	0.1166	0.1116	0.1147	0.1112
Decachlorobiphenyl (PCB)	A	1.8578	1.7296	1.5892	1.5094	1.3779	1.3734	1.2051	1.1524	1.1760	1.1229
TCMX (PCB)	A		1.3256	1.1834	1.0782	0.9468	0.9644	0.9276	0.8997	0.9157	0.9522
Aroclor-1016 Peak # 1	B		0.0291	0.0224	0.0225	0.0204	0.0199	0.0187	0.0179	0.0172	0.0170
Aroclor-1016 Peak # 2	B	0.0513	0.0504	0.0478	0.0475	0.0436	0.0426	0.0399	0.0379	0.0364	0.0362
Aroclor-1016 Peak # 3	B	0.0704	0.0622	0.0588	0.0592	0.0538	0.0535	0.0494	0.0483	0.0466	0.0479
Aroclor-1016 Peak # 4	B	0.0536	0.0444	0.0417	0.0420	0.0388	0.0385	0.0360	0.0342	0.0333	0.0331
Aroclor-1016 Peak # 5	B	0.0452	0.0380	0.0341	0.0341	0.0314	0.0316	0.0294	0.0279	0.0272	0.0270
Aroclor-1260 Peak # 1	B		0.0699	0.0644	0.0649	0.0587	0.0571	0.0528	0.0496	0.0486	0.0476
Aroclor-1260 Peak # 2	B	0.0899	0.0863	0.0783	0.0784	0.0696	0.0678	0.0623	0.0588	0.0578	0.0568
Aroclor-1260 Peak # 3	B	0.0968	0.0998	0.0926	0.0936	0.0855	0.0853	0.0789	0.0750	0.0749	
Aroclor-1260 Peak # 4	B	0.0599	0.0605	0.0564	0.0564	0.0498	0.0496	0.0461	0.0440	0.0437	0.0437
Aroclor-1260 Peak # 5	B	0.1088	0.0976	0.0848	0.0895	0.0888	0.0811	0.0723	0.0688	0.0700	0.0663
Decachlorobiphenyl (PCB)	B	1.4041	1.3254	1.1995	1.2025	1.1290	1.1109	0.9816	0.9301	0.9470	0.9007
TCMX (PCB)	B	1.1226	1.0937	1.0124	1.0070	0.9480	0.9693	0.9429	0.9220	0.9240	0.9619

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	**Ch**	**L1**	**%D**	**L2**	**%D**	**L3**	**%D**	**L4**	**%D**	**L5**	**%D**	**L6**	**%D**	**L7**	**%D**	**L8**	**%D**
Aroclor-1016 Peak # 1	A			20.000	**22**	50.000	16	100.00	16	250.00	2	500.00	-1	749.91	-8	1000.0	-13
Aroclor-1016 Peak # 2	A					50.000	**36**	100.00	**24**	250.00	4	500.00	-2	749.91	-9	1000.0	-14
Aroclor-1016 Peak # 3	A			20.000	**31**	50.000	17	100.00	12	250.00	-1	500.00	-3	749.91	-10	1000.0	-15
Aroclor-1016 Peak # 4	A			20.000	**24**	50.000	14	100.00	13	250.00	2	500.00	0	749.91	-8	1000.0	-13
Aroclor-1016 Peak # 5	A			20.000	**26**	50.000	12	100.00	16	250.00	5	500.00	0	749.91	-8	1000.0	-14
Aroclor-1260 Peak # 1	A			20.000	**29**	50.000	16	100.00	18	250.00	2	500.00	0	749.91	-10	1000.0	-16
Aroclor-1260 Peak # 2	A			20.000	**32**	50.000	15	100.00	19	250.00	5	500.00	0	749.91	-12	1000.0	-17
Aroclor-1260 Peak # 3	A			20.000	**21**	50.000	5	100.00	20	250.00	3	500.00	2	749.91	-8	1000.0	-13
Aroclor-1260 Peak # 4	A	10.000	20	20.000	**23**	50.000	13	100.00	12	250.00	-1	500.00	-2	749.91	-11	1000.0	-16
Aroclor-1260 Peak # 5	A	10.000	**26**	20.000	**28**	50.000	13	100.00	8	250.00	-6	500.00	-5	749.91	-14	1000.0	-17
Decachlorobiphenyl (PCB)	A	0.8000	**32**	1.6000	**23**	4.0000	13	8.0000	7	20.000	-2	40.000	-3	59.993	-14	80.000	-18
TCMX (PCB)	A			1.6000	**30**	4.0000	16	8.0000	6	20.000	-7	40.000	-6	59.993	-9	80.000	-12
Aroclor-1016 Peak # 1	B			20.000	**42**	50.000	9	100.00	9	250.00	-1	500.00	-3	749.91	-9	1000.0	-13
Aroclor-1016 Peak # 2	B	10.000	18	20.000	16	50.000	10	100.00	10	250.00	1	500.00	-2	749.91	-8	1000.0	-13
Aroclor-1016 Peak # 3	B	10.000	**28**	20.000	13	50.000	7	100.00	8	250.00	-2	500.00	-3	749.91	-10	1000.0	-12
Aroclor-1016 Peak # 4	B	10.000	**35**	20.000	12	50.000	5	100.00	6	250.00	-2	500.00	-3	749.91	-9	1000.0	-13
Aroclor-1016 Peak # 5	B	10.000	**39**	20.000	17	50.000	5	100.00	5	250.00	-4	500.00	-3	749.91	-10	1000.0	-14
Aroclor-1260 Peak # 1	B			20.000	**22**	50.000	13	100.00	14	250.00	3	500.00	0	749.91	-8	1000.0	-13
Aroclor-1260 Peak # 2	B	10.000	**27**	20.000	**22**	50.000	11	100.00	11	250.00	-1	500.00	-4	749.91	-12	1000.0	-17
Aroclor-1260 Peak # 3	B	10.000	11	20.000	15	50.000	7	100.00	8	250.00	-2	500.00	-2	749.91	-9	1000.0	-14
Aroclor-1260 Peak # 4	B	10.000	17	20.000	19	50.000	11	100.00	11	250.00	-2	500.00	-3	749.91	-10	1000.0	-14
Aroclor-1260 Peak # 5	B	10.000	**31**	20.000	18	50.000	2	100.00	8	250.00	7	500.00	-2	749.91	-13	1000.0	-17
Decachlorobiphenyl (PCB)	B	0.8000	**26**	1.6000	19	4.0000	8	8.0000	8	20.000	1	40.000	0	59.993	-12	80.000	-16
TCMX (PCB)	B	0.8000	13	1.6000	10	4.0000	2	8.0000	2	20.000	-4	40.000	-2	59.993	-5	80.000	-7

ENTHALPY INITIAL CALIBRATION FOR 483449 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_040723_1
Calibration #:	453140432001	Date:	07-APR-2023 22:30
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 2	A	1500.0	-18	2000.0	-19
Aroclor-1016 Peak # 3	A	1500.0	-16	2000.0	-16
Aroclor-1016 Peak # 4	A	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 5	A	1500.0	-18	2000.0	-20
Aroclor-1260 Peak # 1	A	1500.0	-17	2000.0	**-22**
Aroclor-1260 Peak # 2	A	1500.0	-18	2000.0	**-23**
Aroclor-1260 Peak # 3	A	1500.0	-13	2000.0	-17
Aroclor-1260 Peak # 4	A	1500.0	-16	2000.0	**-21**
Aroclor-1260 Peak # 5	A	1500.0	-15	2000.0	-18
Decachlorobiphenyl (PCB)	A	120.00	-17	160.00	-20
TCMX (PCB)	A	120.00	-10	160.00	-7
Aroclor-1016 Peak # 1	B	1500.0	-16	2000.0	-17
Aroclor-1016 Peak # 2	B	1500.0	-16	2000.0	-17
Aroclor-1016 Peak # 3	B	1500.0	-15	2000.0	-13
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-16
Aroclor-1016 Peak # 5	B	1500.0	-17	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-15	2000.0	-17
Aroclor-1260 Peak # 2	B	1500.0	-18	2000.0	-20
Aroclor-1260 Peak # 3	B	1500.0	-14		
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-20
Decachlorobiphenyl (PCB)	B	120.00	-15	160.00	-19
TCMX (PCB)	B	120.00	-7	160.00	-3

TRN 04/09/23 : Manually integrated for coeluting peaks, negative/tailing peak, automatic draw baseline for one/both channels on multiple levels

Analyst: TRN 04/09/23

Reviewer: LW 04/10/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_040723_1
Calnum:	453140432001	Cal Date:	07-APR-2023

- ICV 453140432037 (gc06_040723037 08-APR-2023) stds: S18189

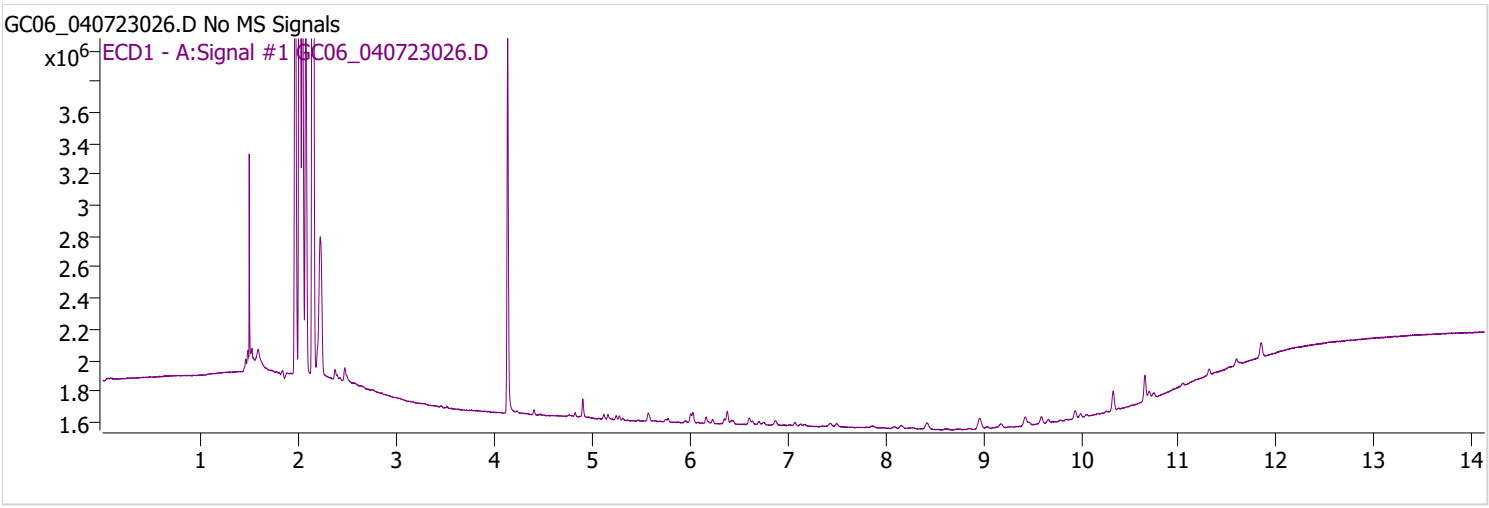
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	514.1	ug/L	3	15	
Aroclor-1260	A	500.0	529.0	ug/L	6	15	
Aroclor-1016	B	500.0	515.5	ug/L	3	15	
Aroclor-1260	B	500.0	542.4	ug/L	8	15	

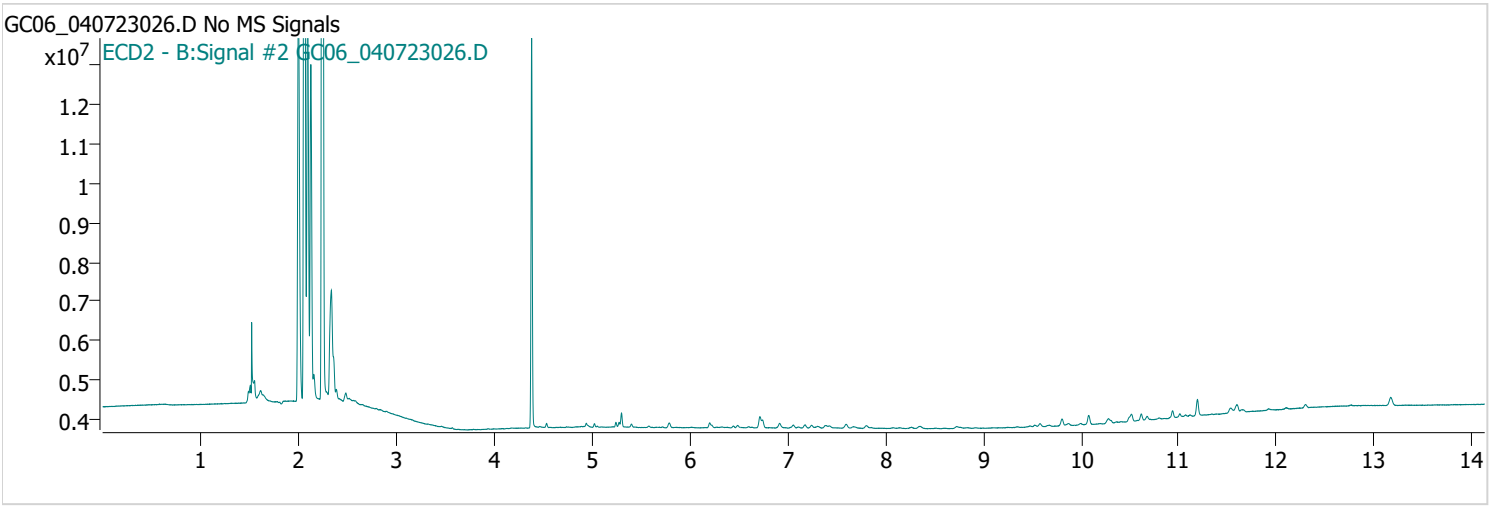
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Analyst: TRN 04/09/23 **Reviewer:** LW 04/10/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_040723026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 10:30:36 PM
Sample Name	ICAL, S18179	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



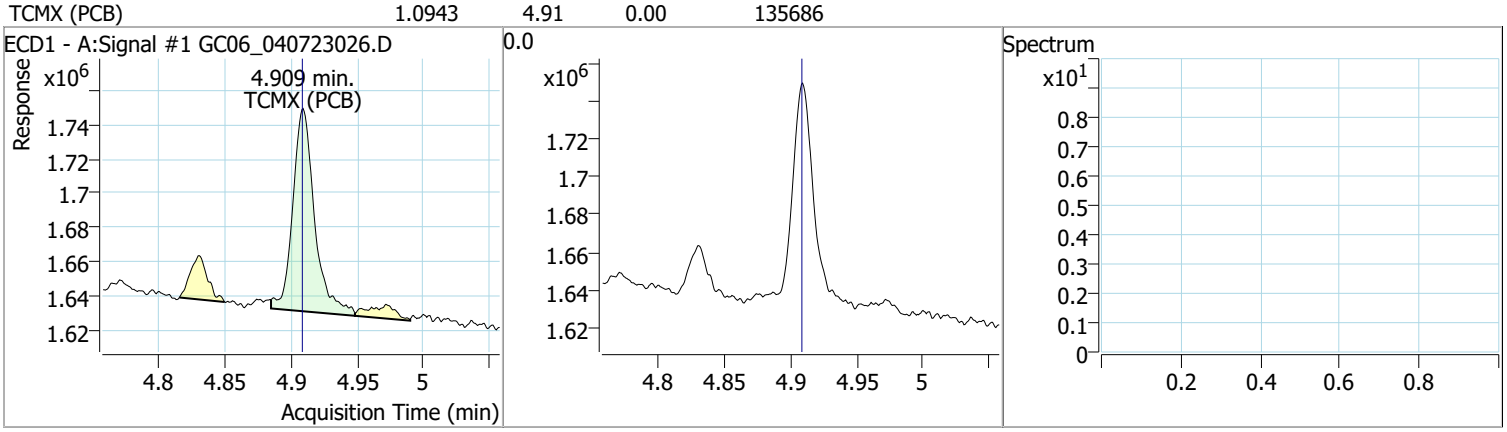


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2427613.551	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8684822.623	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	135685.818	1.0943	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.47%		*	
S TCMX (PCB) #2	5.304	0.0	389992.959	0.9068	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.53%		*	
S Decachlorobiphenyl (PCB)	11.842	0.0	180398.654	1.0545	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.27%		*	
S Decachlorobiphenyl (PCB) #2	13.165	0.0	487776.879	1.0092	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.05%		*	
Target Compounds							**QValue**
T AR1016 1	5.249	0.0	33220.424	13.1575	ng/ml		100
T AR1016 2	5.577	0.0	79558.600	0.0000	ng/ml	m	100
T AR1016 1 #2	5.793	0.0	197304.811	22.1021	ng/ml		100

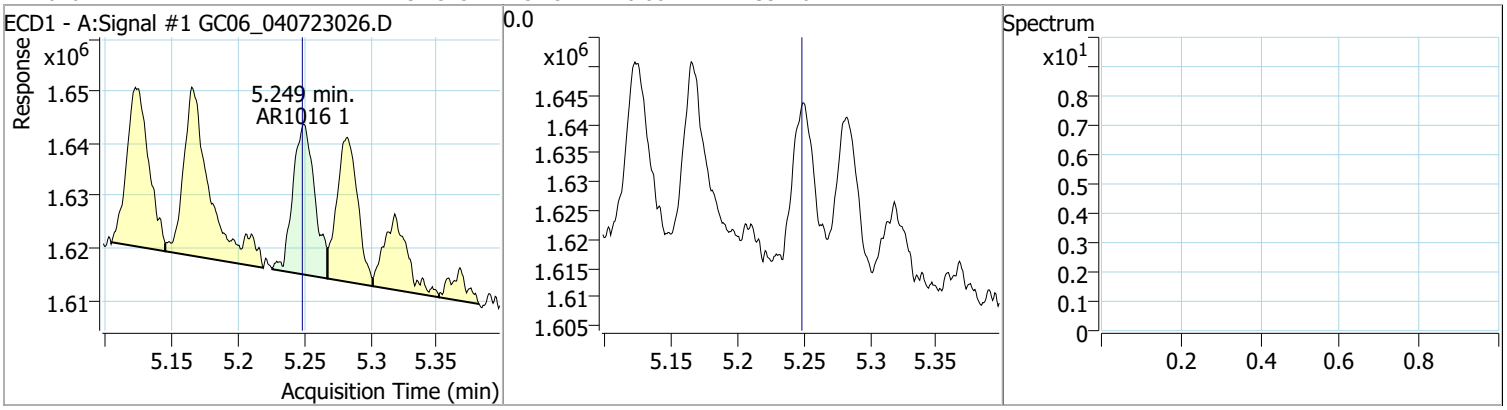
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.034	0.0	91663.825	0.0000	ng/ml		100
T AR1016 4	6.168	0.0	67256.630	13.5744	ng/ml		100
T AR1016 2 #2	6.207	0.0	222704.092	11.8299	ng/ml		100
T AR1016 5	6.355	0.0	34573.052	11.8975	ng/ml		100
T AR1016 3 #2	6.747	0.0	305849.987	12.8044	ng/ml	m	100
T AR1016 4 #2	6.919	0.0	232756.103	13.5450	ng/ml	m	100
T AR1016 5 #2	7.599	0.0	196443.302	13.8825	ng/ml		100
T AR1260 1	8.426	0.0	106077.452	13.1143	ng/ml		100
T AR1260 2	8.963	0.0	176011.698	14.3976	ng/ml		100
T AR1260 3	9.432	0.0	157370.680	12.8081	ng/ml		100
T AR1260 1 #2	9.806	0.0	317249.724	12.8037	ng/ml		100
T AR1260 4	9.941	0.0	90944.174	11.9594	ng/ml		100
T AR1260 2 #2	10.079	0.0	390405.013	12.7358	ng/ml		100
T AR1260 5	10.330	0.0	207653.317	12.6480	ng/ml		100
T AR1260 3 #2	10.516	0.0	420196.333	11.1325	ng/ml		100
T AR1260 4 #2	10.937	0.0	259931.915	11.7382	ng/ml		100
T AR1260 5 #2	11.593	0.0	472625.248	13.1459	ng/ml		100

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

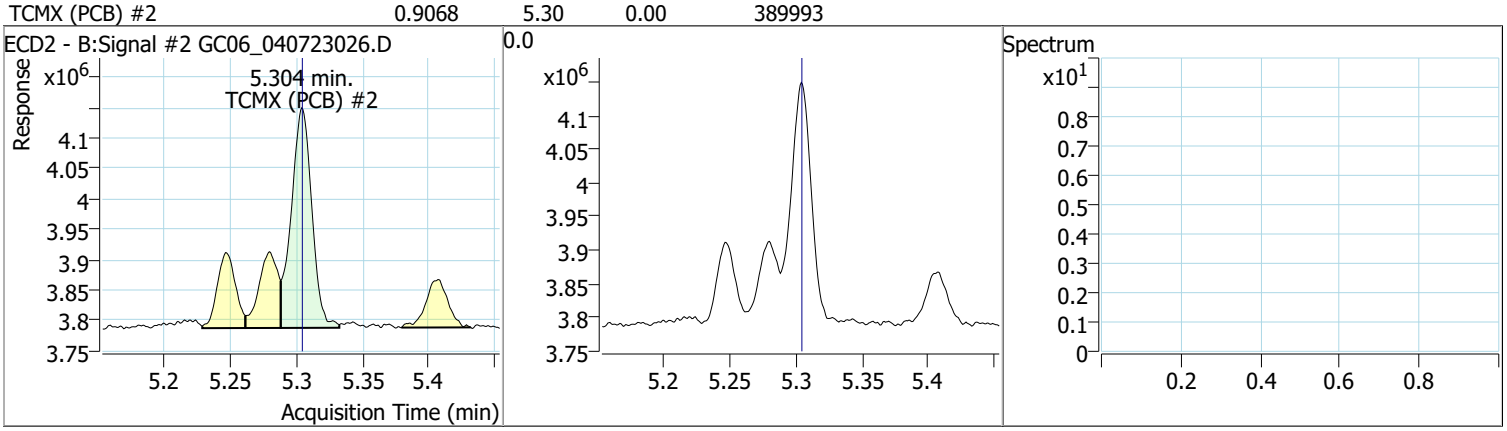
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.0943	4.91	0.00	135686				



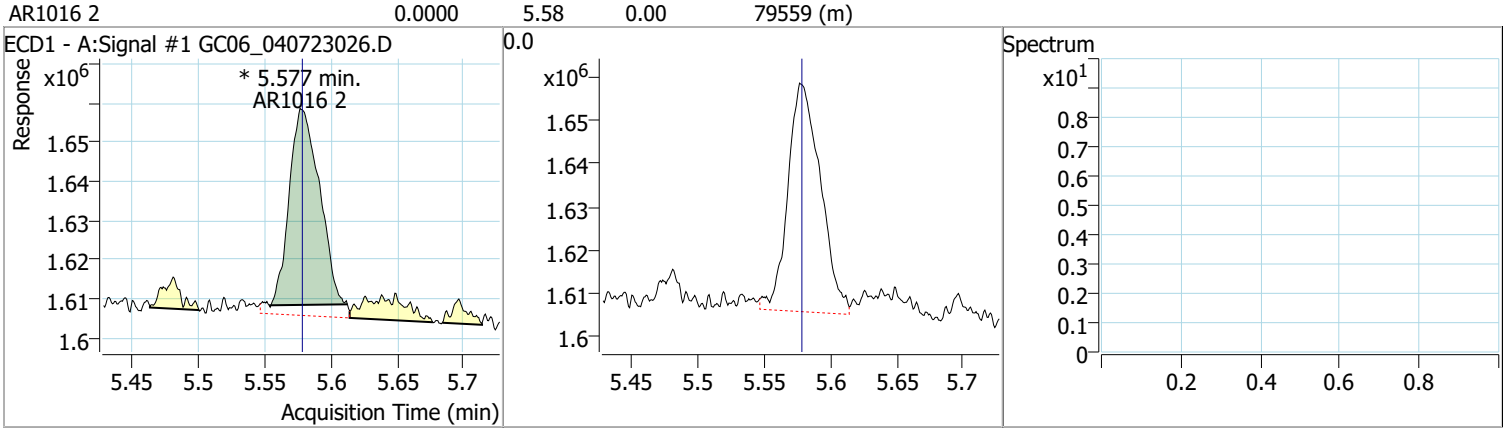
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	13.1575	5.25	0.00	33220				



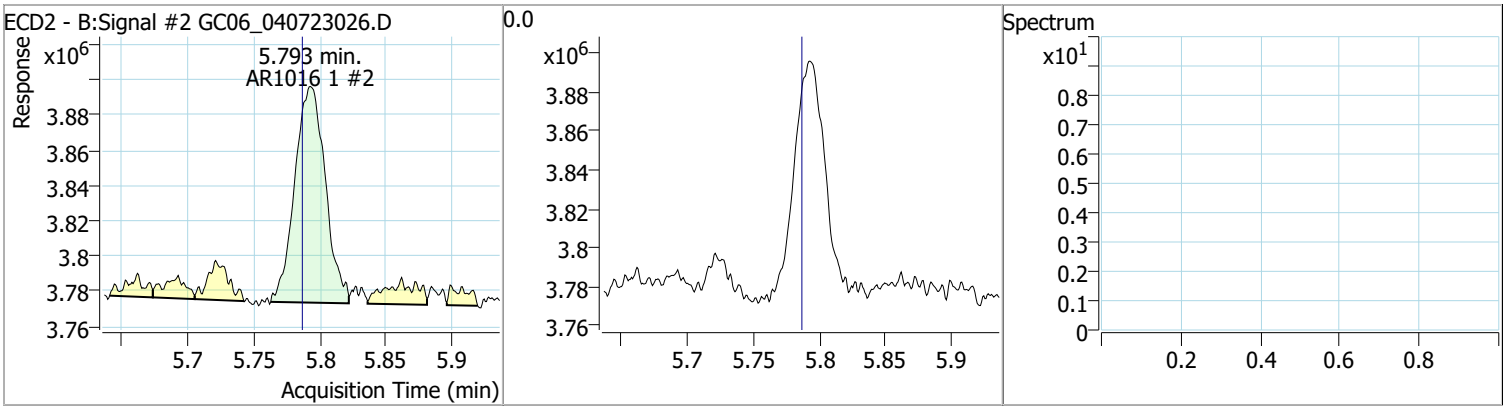
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.9068	5.30	0.00	389993				



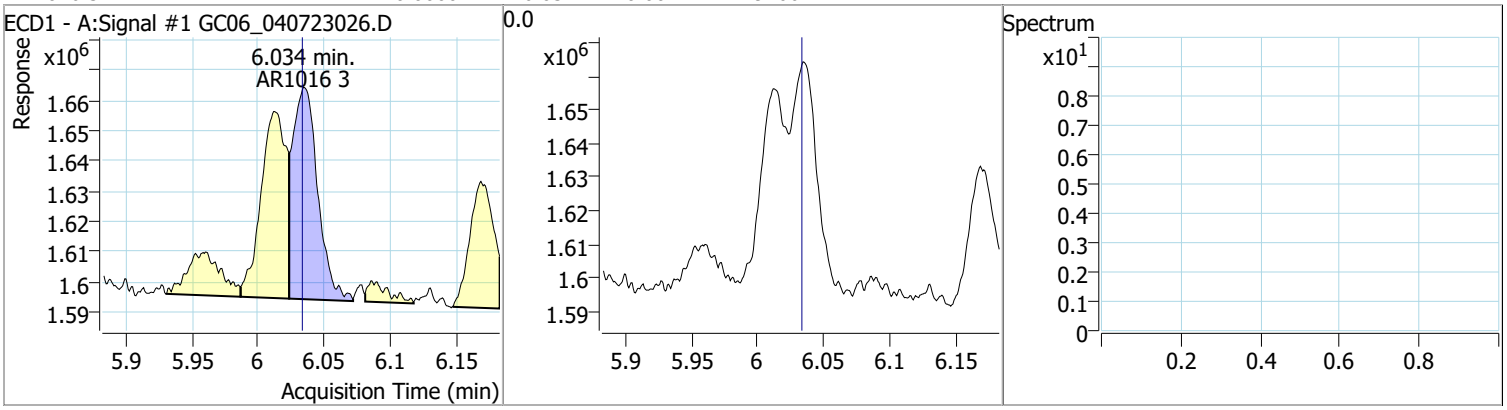
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	0.00	79559 (m)				



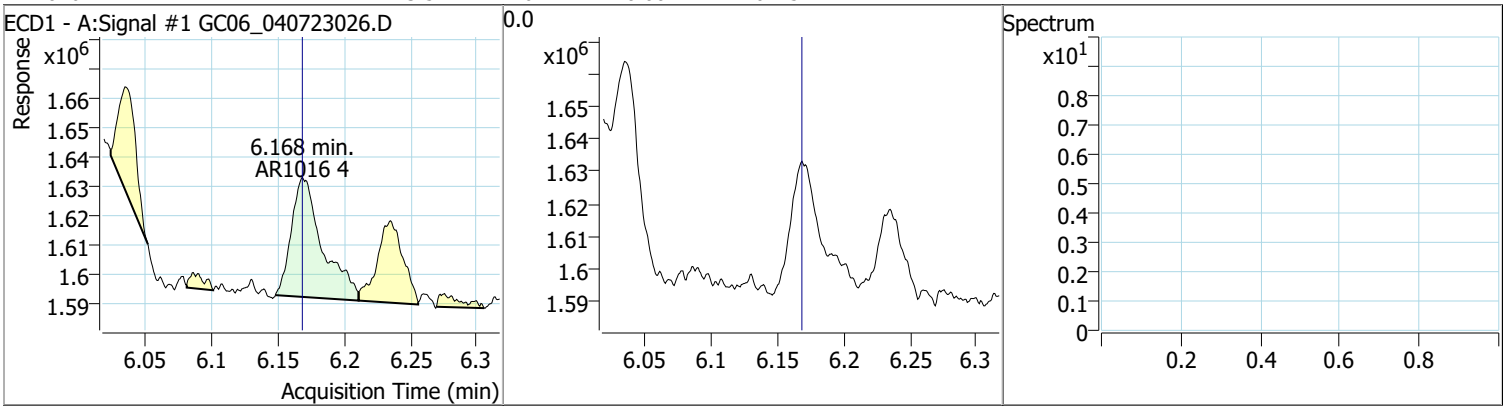
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AR1016 1 #2	22.1021	5.79	0.01	197305				



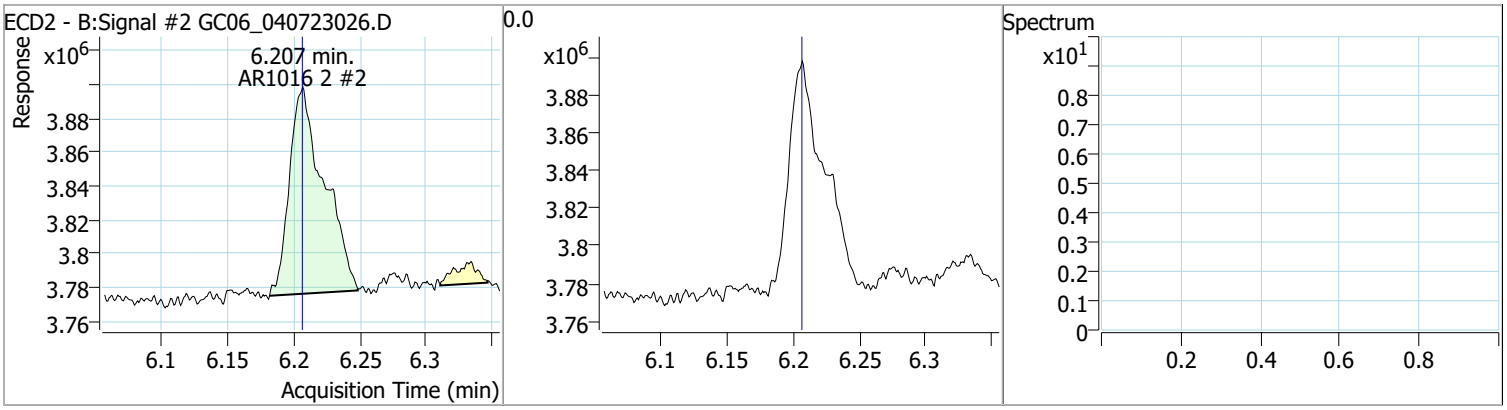
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.03	0.00	91664				



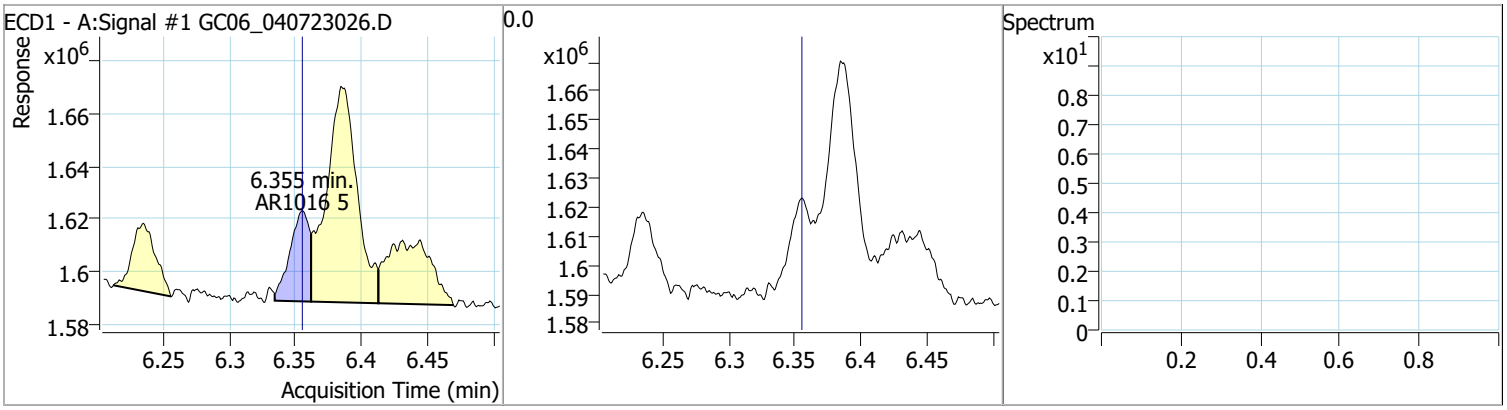
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	13.5744	6.17	0.00	67257				



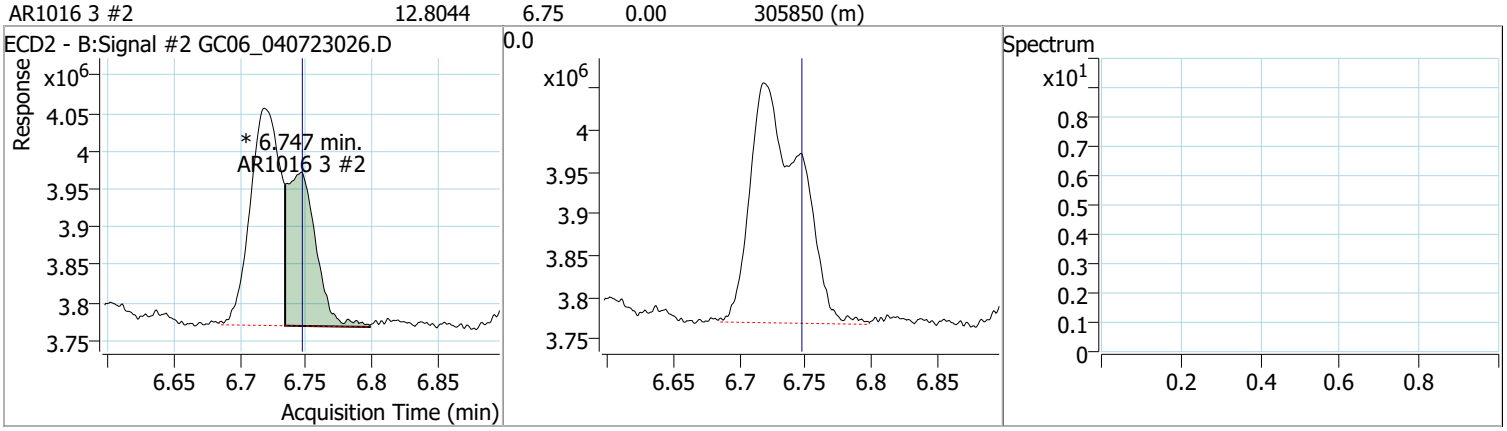
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.8299	6.21	0.00	222704				



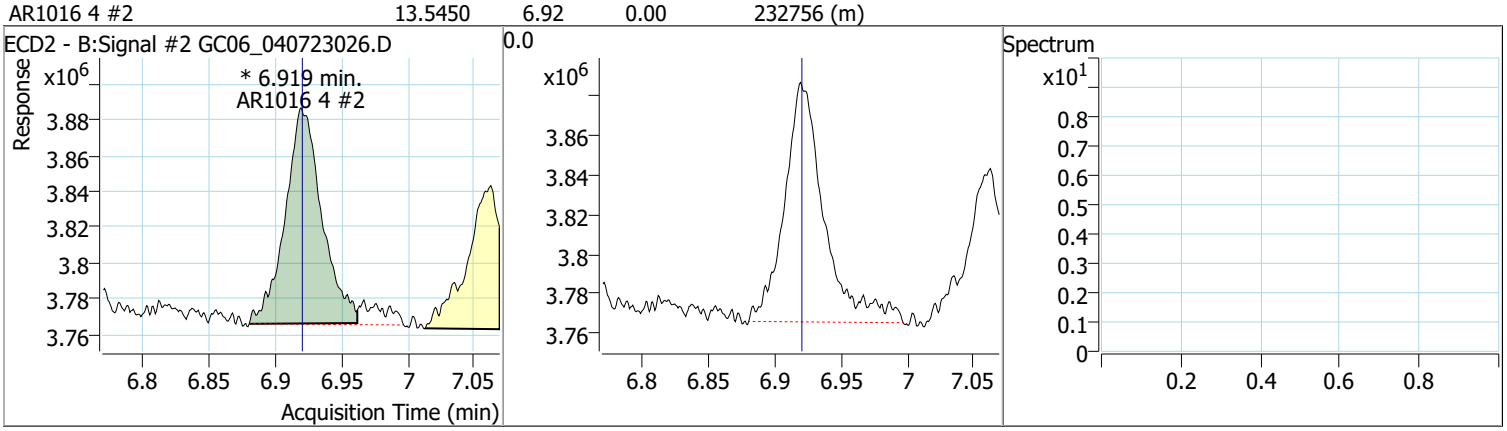
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.8975	6.36	0.00	34573				



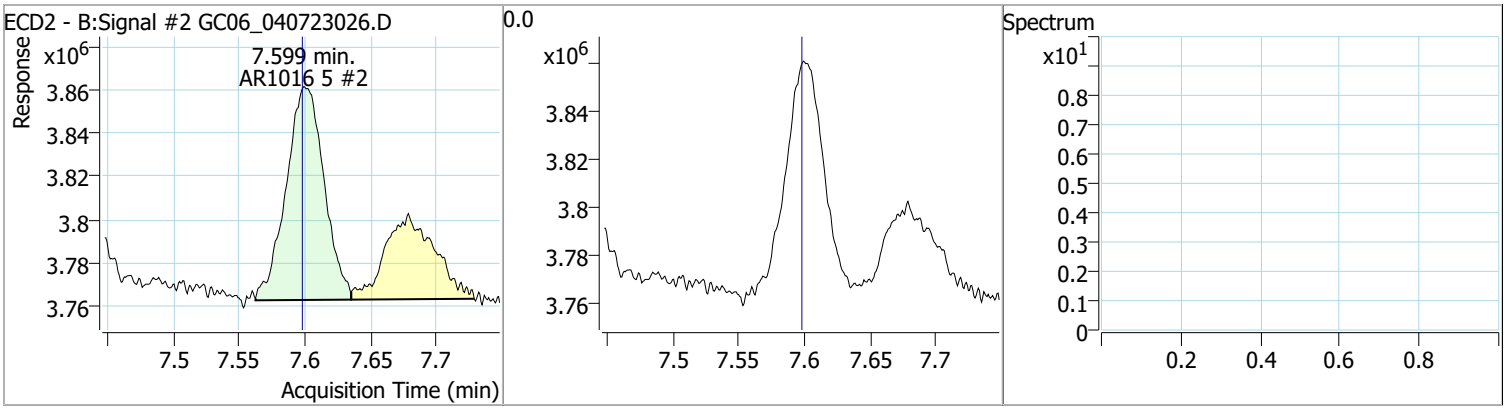
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	12.8044	6.75	0.00	305850 (m)				



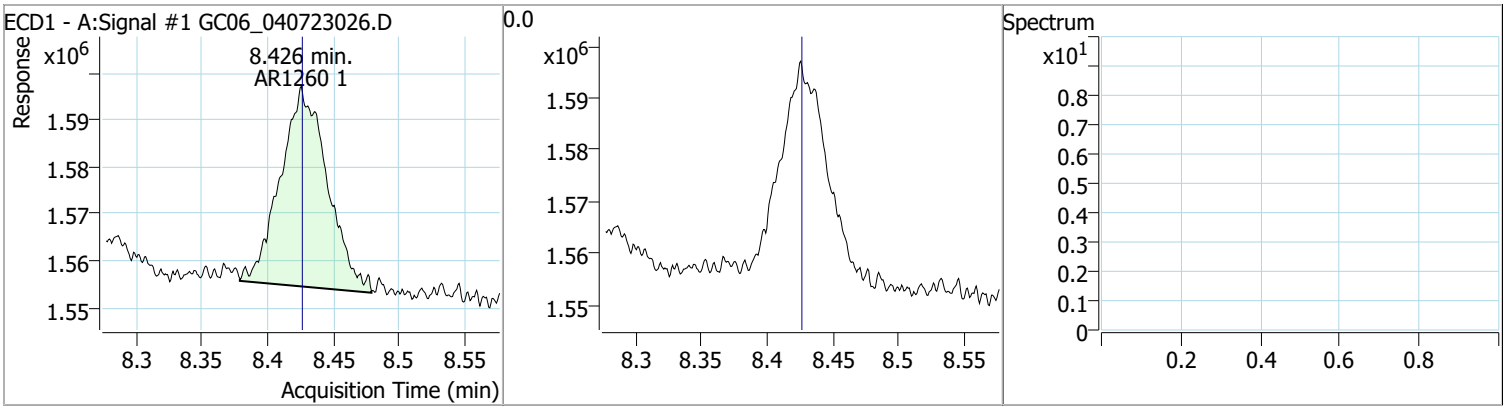
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	13.5450	6.92	0.00	232756 (m)				



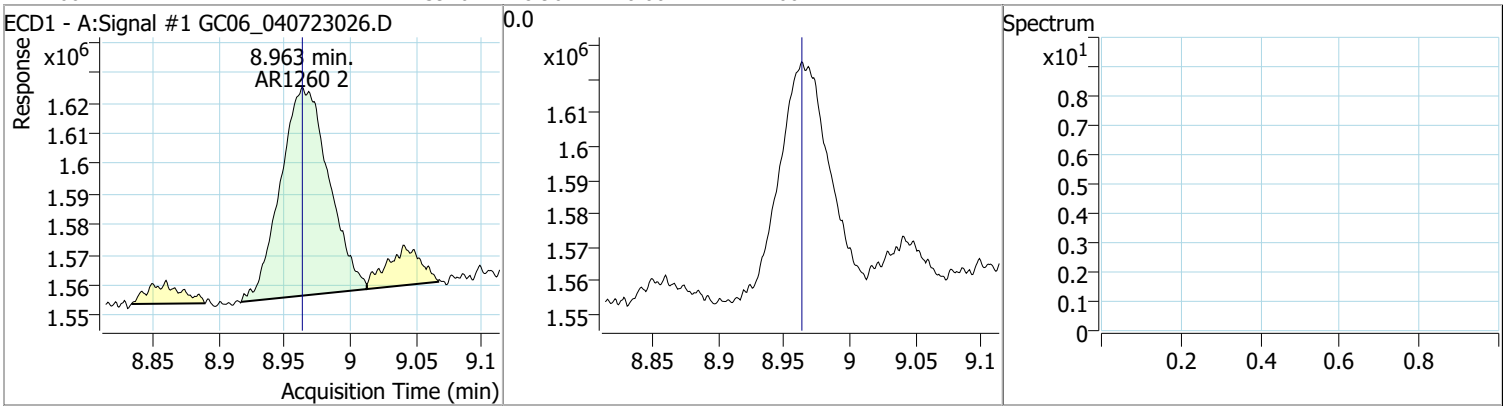
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	13.8825	7.60	0.00	196443				



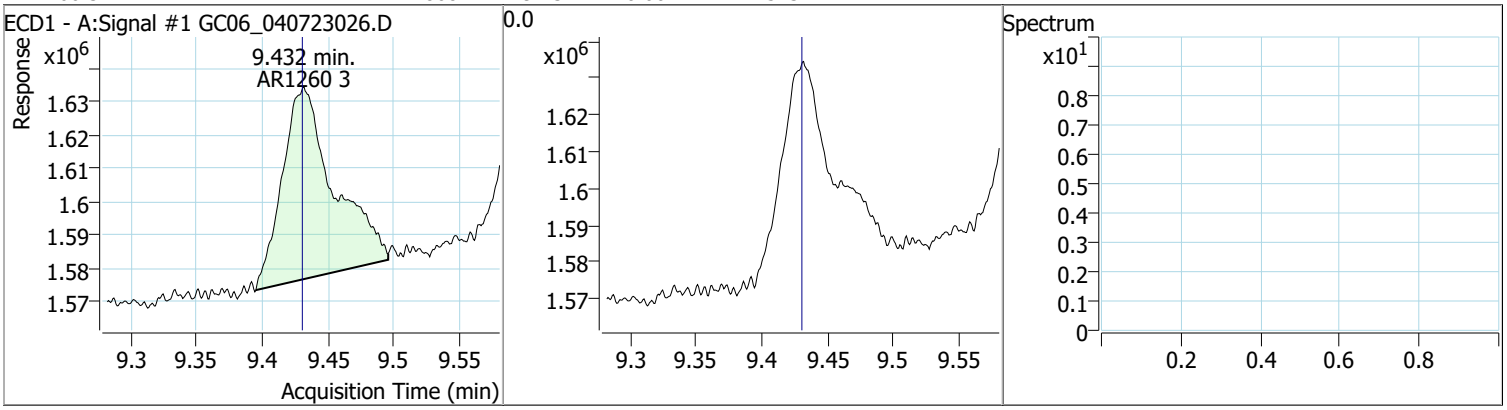
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	13.1143	8.43	0.00	106077				



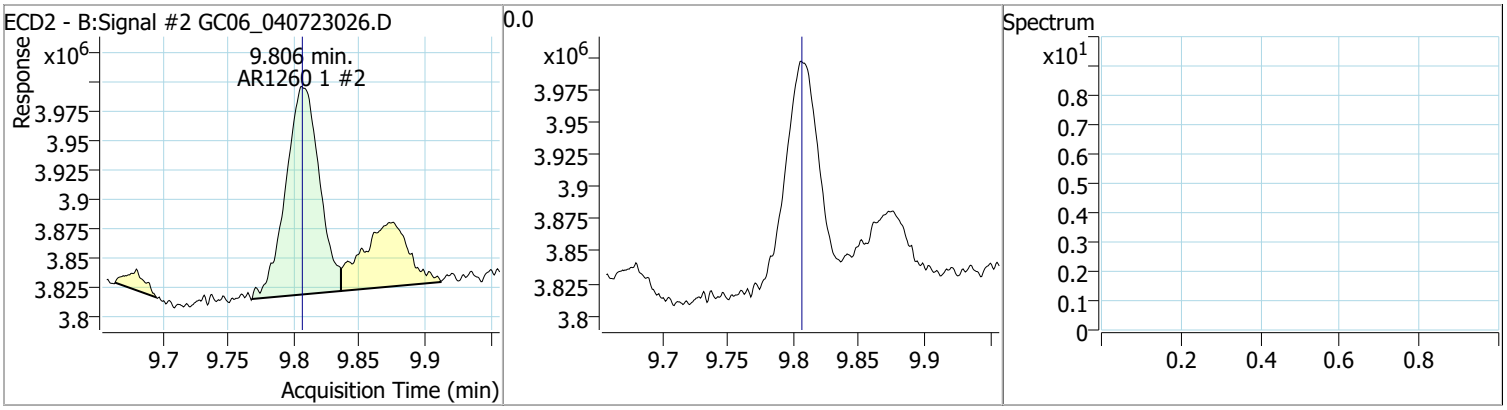
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	14.3976	8.96	0.00	176012				



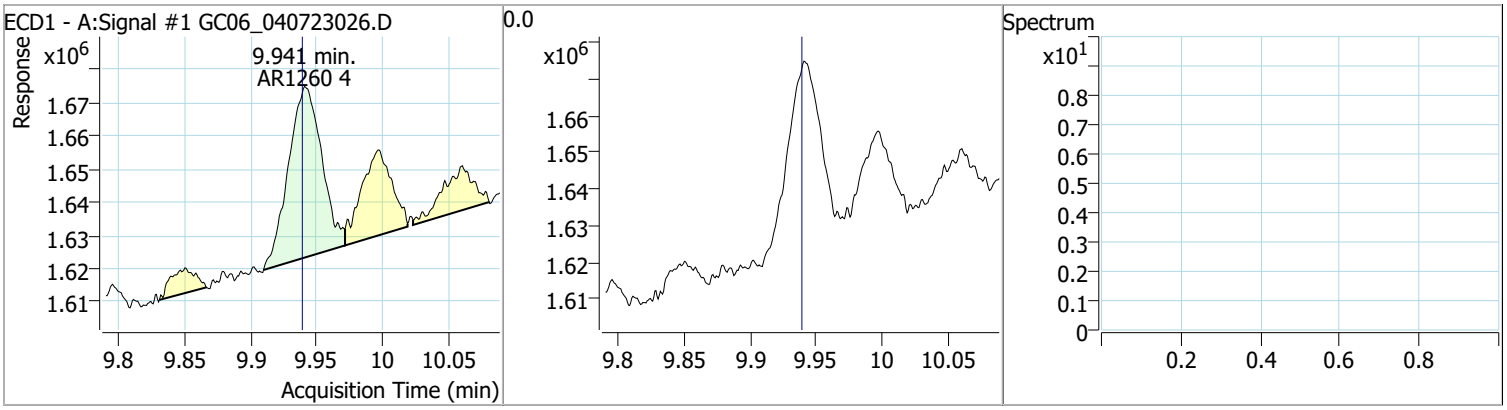
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.8081	9.43	0.00	157371				



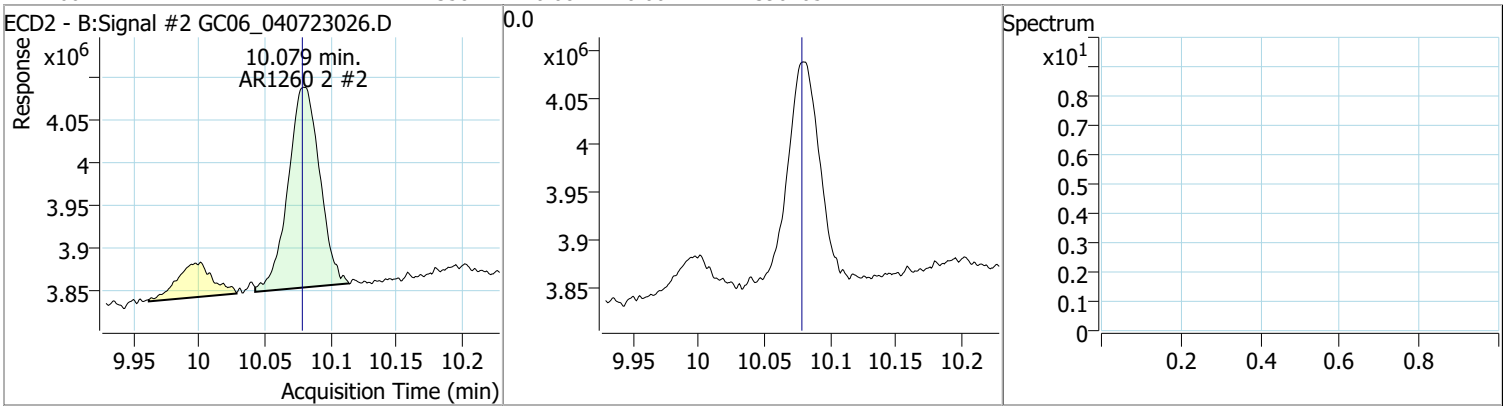
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	12.8037	9.81	0.00	317250				



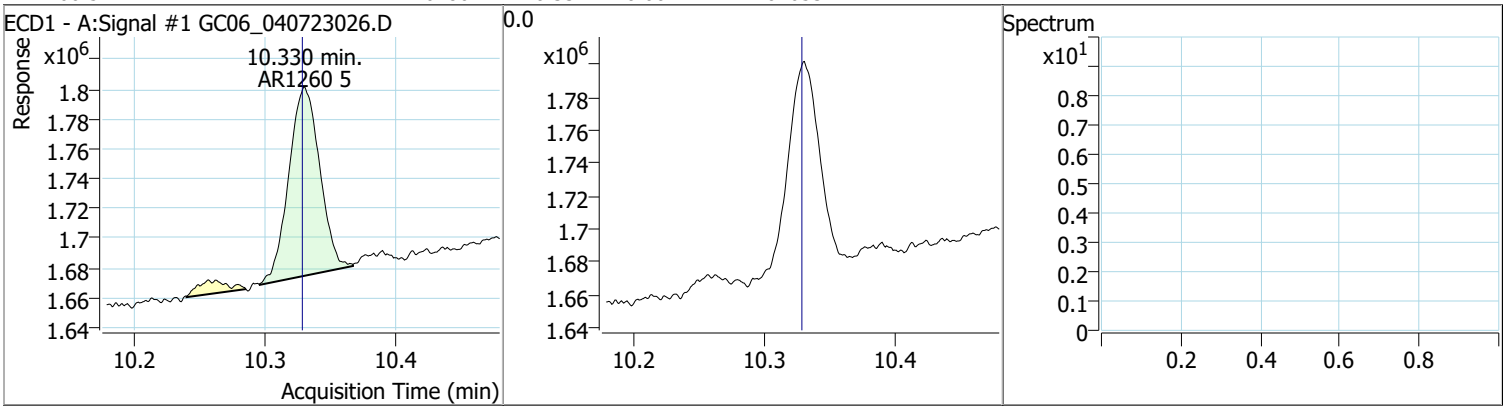
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.9594	9.94	0.00	90944				



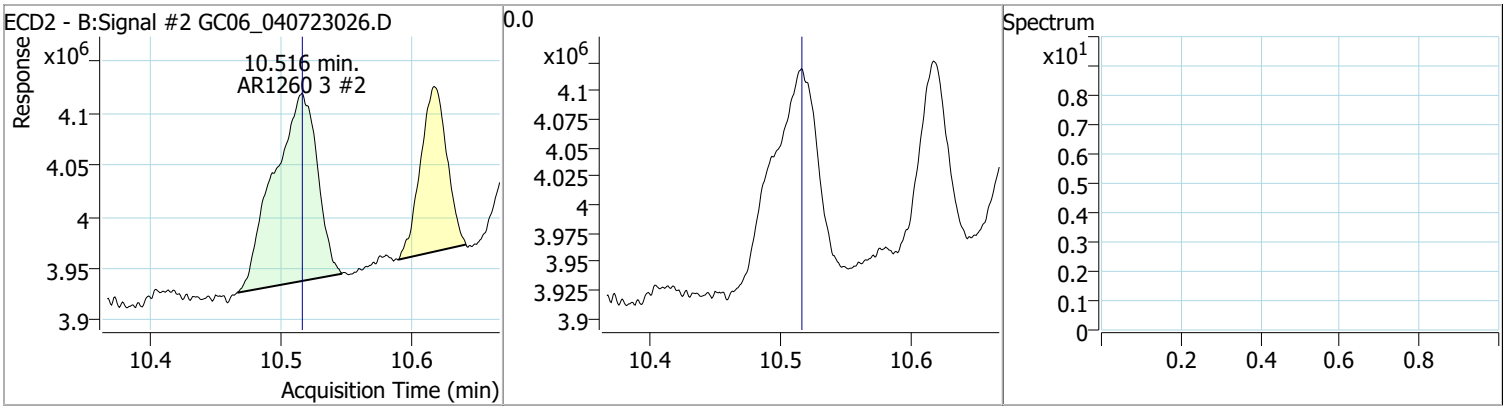
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.7358	10.08	0.00	390405				



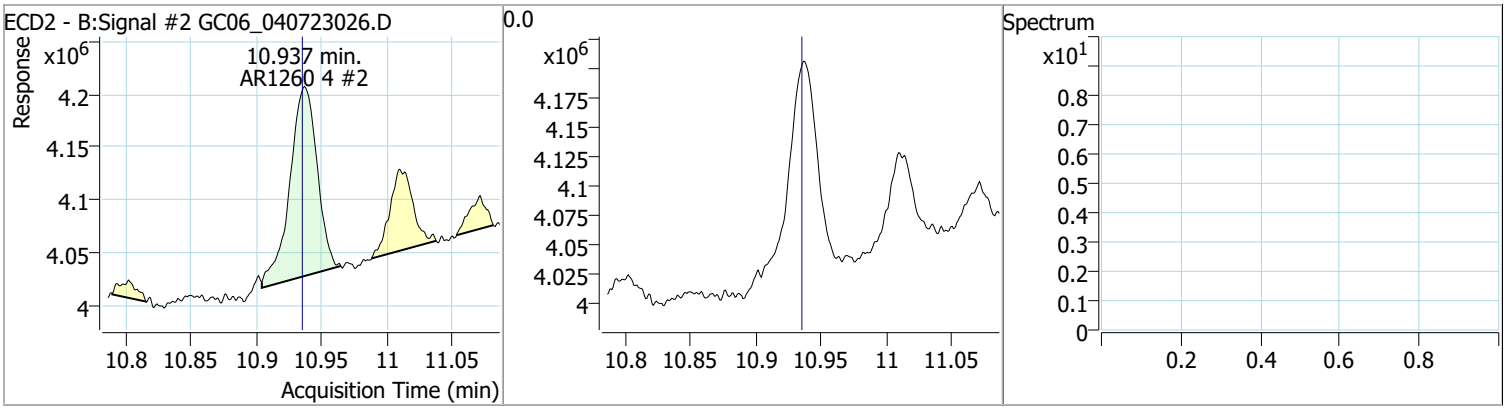
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.6480	10.33	0.00	207653				



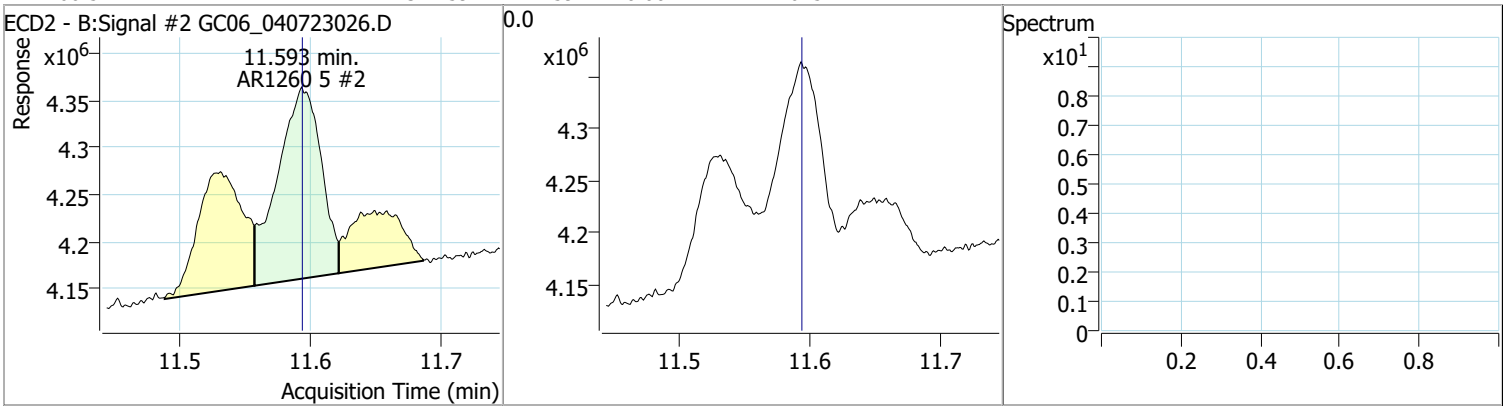
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.1325	10.52	0.00	420196				



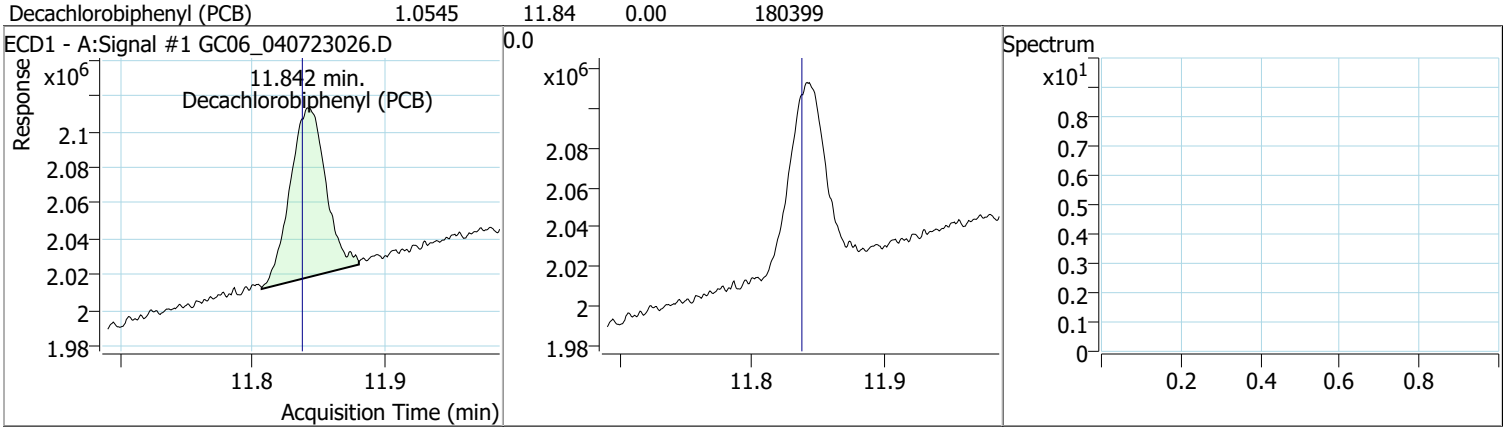
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.7382	10.94	0.00	259932				



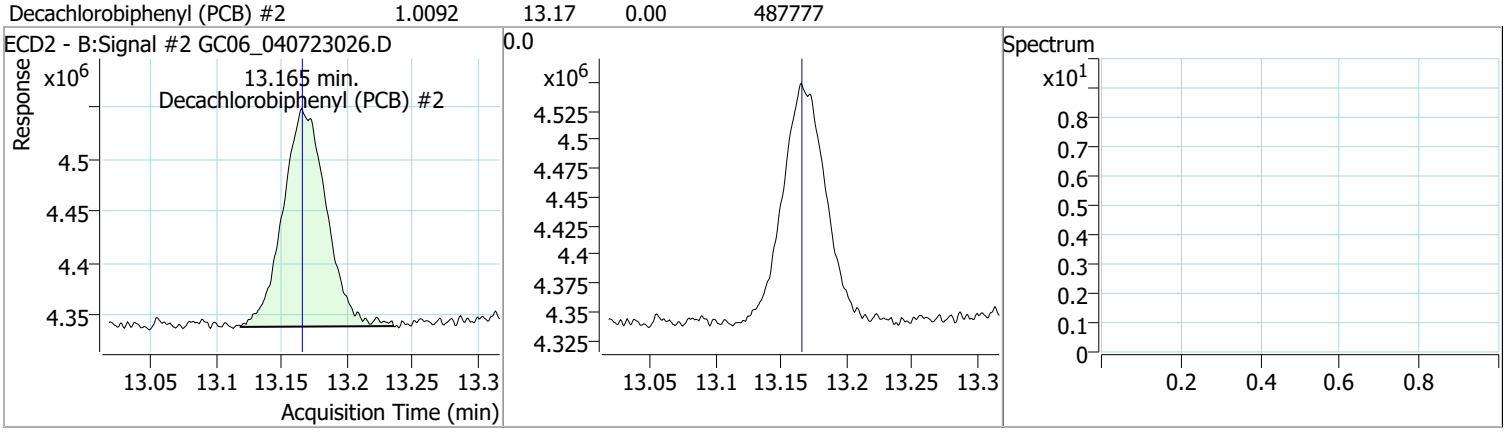
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.1459	11.59	0.00	472625				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.0545	11.84	0.00	180399				

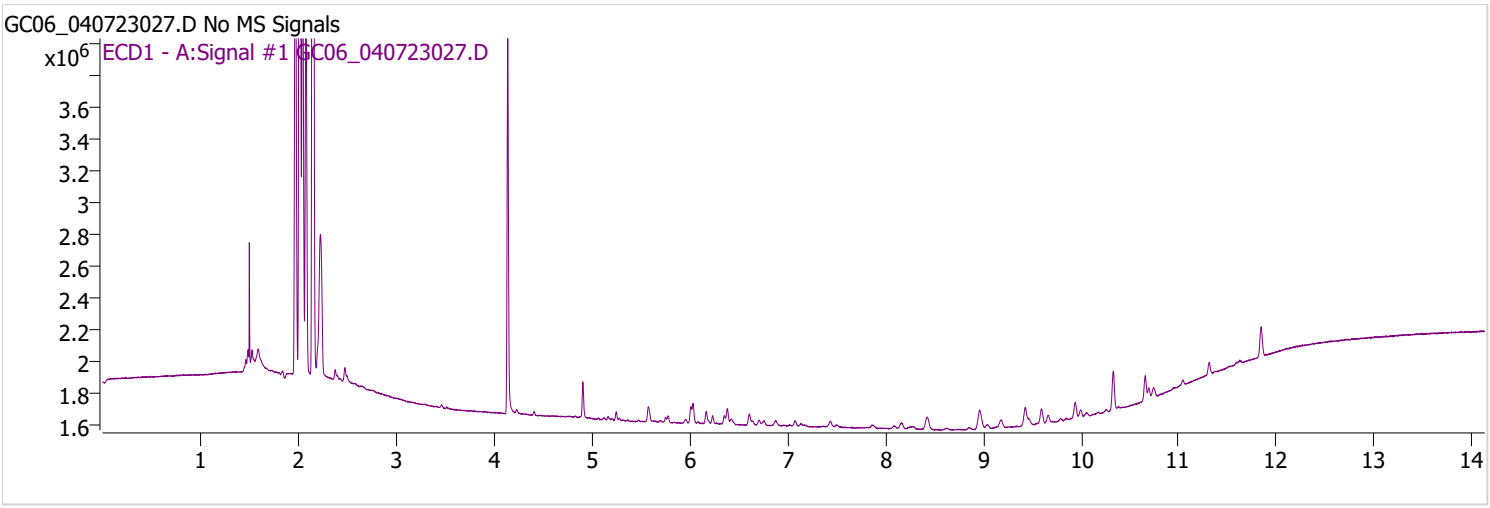


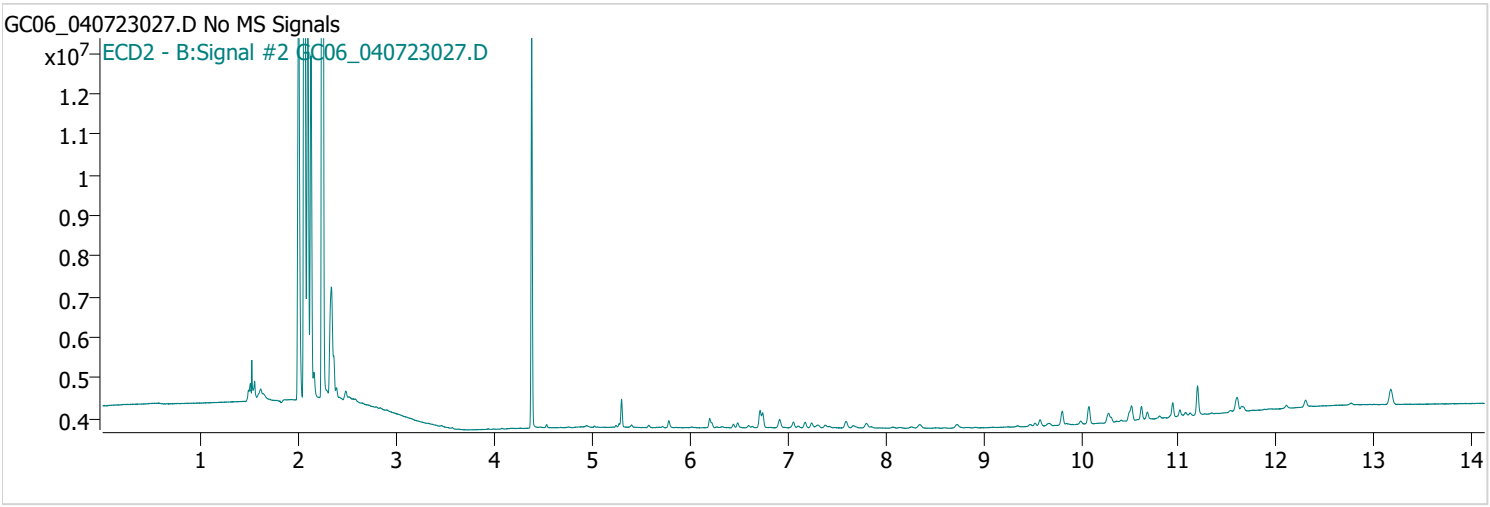
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.0092	13.17	0.00	487777				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723027.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 10:48:51 PM
Sample Name	ICAL, S18180	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



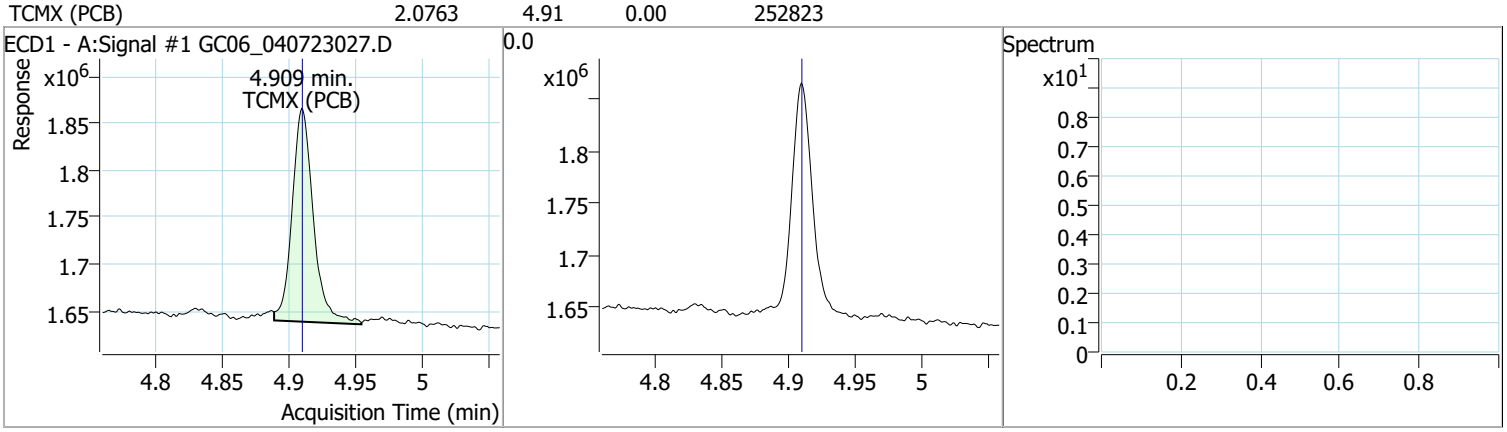


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2384058.808	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.387	0.0	8518615.979	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	252823.058	2.0763	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.38%		*	
S TCMX (PCB) #2	5.304	0.0	745322.399	1.7669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.83%		*	
S Decachlorobiphenyl (PCB)	11.842	0.0	329885.438	1.9636	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.82%		*	
S Decachlorobiphenyl (PCB) #2	13.166	0.0	903256.439	1.9053	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.53%		*	
Target Compounds							**QValue**
T AR1016 1	5.250	0.0	60460.337	24.3838	ng/ml		100
T AR1016 2	5.578	0.0	151448.545	0.0000	ng/ml	m	100
T AR1016 1 #2	5.788	0.0	247915.037	28.3133	ng/ml		100

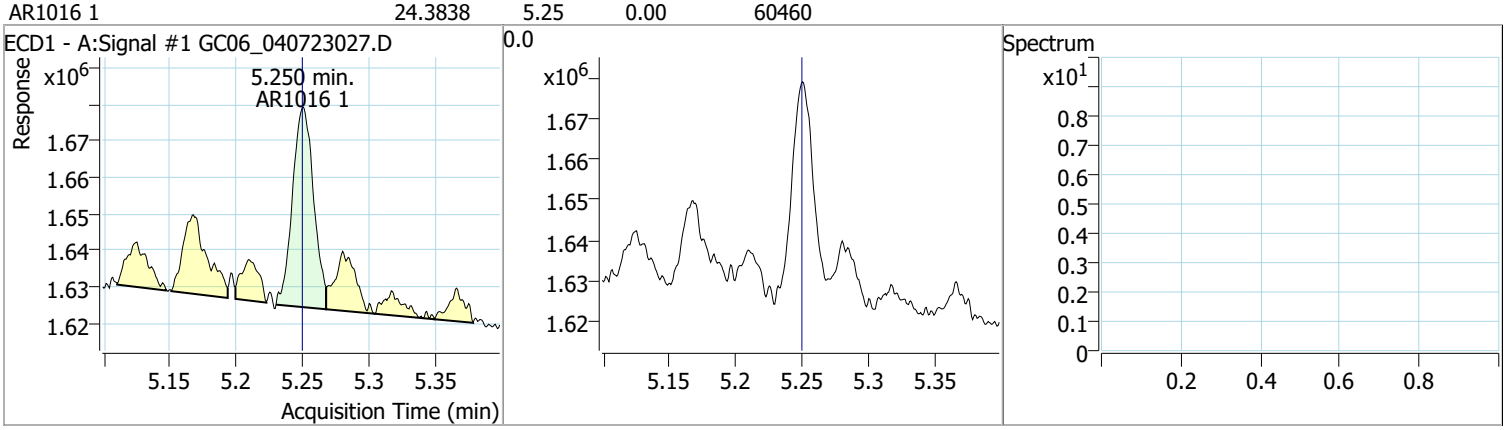
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.035	0.0	172836.625	4.2271	ng/ml		100
T AR1016 4	6.171	0.0	121005.807	24.8687	ng/ml		100
T AR1016 2 #2	6.206	0.0	429233.020	23.2454	ng/ml		100
T AR1016 5	6.355	0.0	71813.186	25.1642	ng/ml		100
T AR1016 3 #2	6.746	0.0	529519.038	22.6008	ng/ml		100
T AR1016 4 #2	6.921	0.0	377922.760	22.4219	ng/ml	m	100
T AR1016 5 #2	7.599	0.0	323459.003	23.3047	ng/ml		100
T AR1260 1	8.428	0.0	205640.847	25.8878	ng/ml		100
T AR1260 2	8.966	0.0	316178.721	26.3357	ng/ml		100
T AR1260 3	9.430	0.0	291319.881	24.1432	ng/ml		100
T AR1260 1 #2	9.808	0.0	595349.739	24.4961	ng/ml		100
T AR1260 4	9.942	0.0	183612.883	24.5866	ng/ml		100
T AR1260 2 #2	10.082	0.0	734896.400	24.4415	ng/ml		100
T AR1260 5	10.330	0.0	413930.033	25.6727	ng/ml		100
T AR1260 3 #2	10.516	0.0	849995.130	22.9588	ng/ml		100
T AR1260 4 #2	10.938	0.0	514997.363	23.7105	ng/ml		100
T AR1260 5 #2	11.596	0.0	830996.859	23.5648	ng/ml		100

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

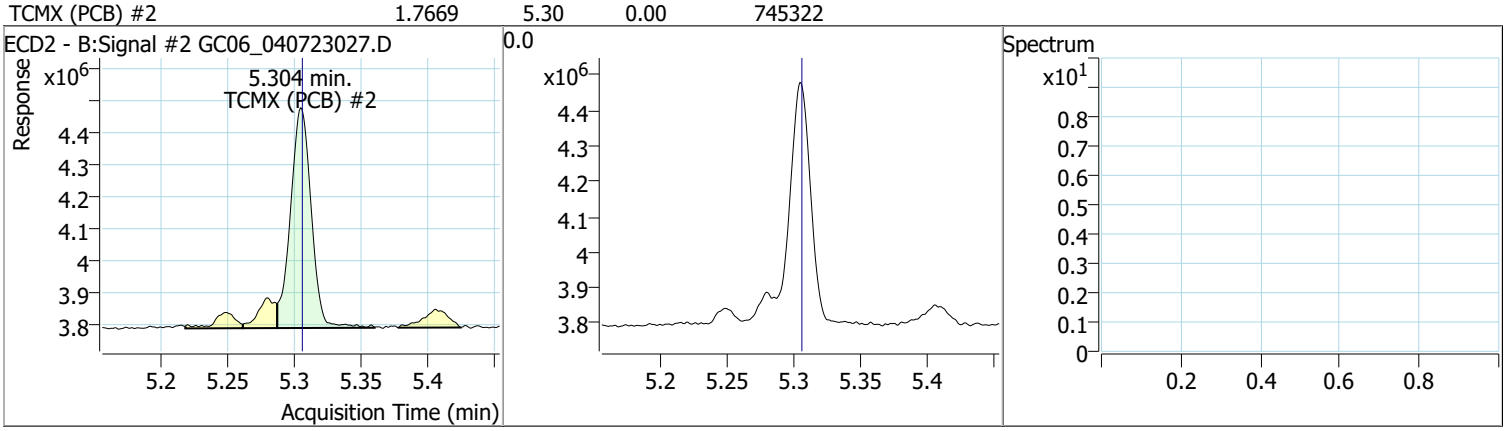
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.0763	4.91	0.00	252823				



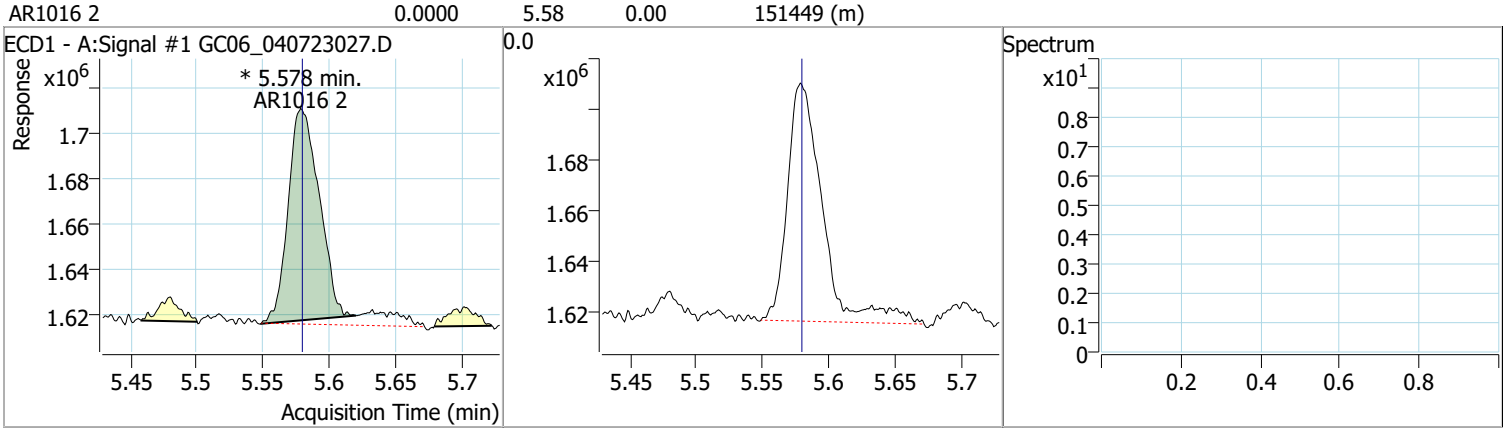
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.3838	5.25	0.00	60460				



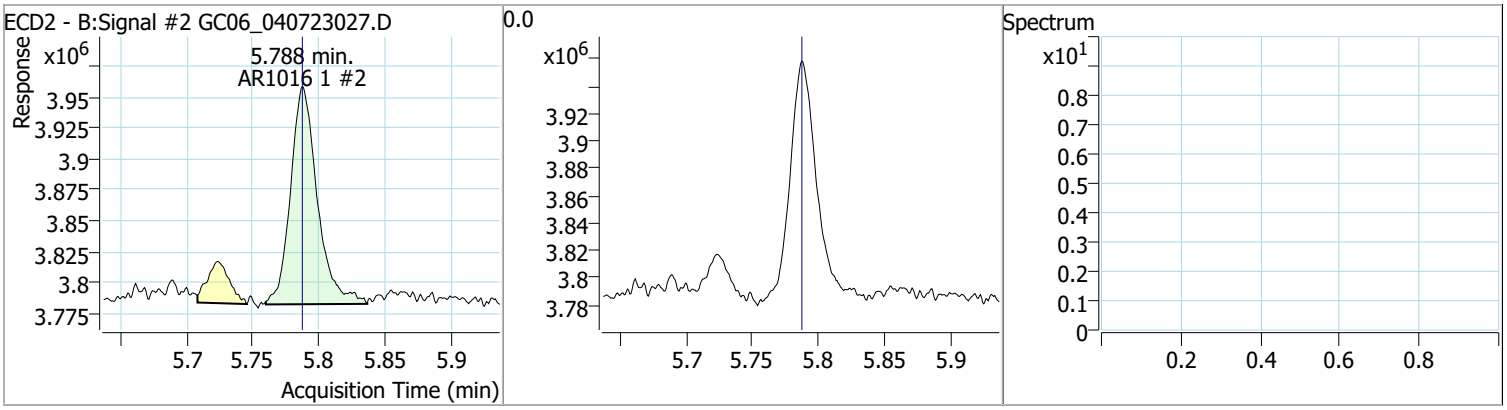
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.7669	5.30	0.00	745322				



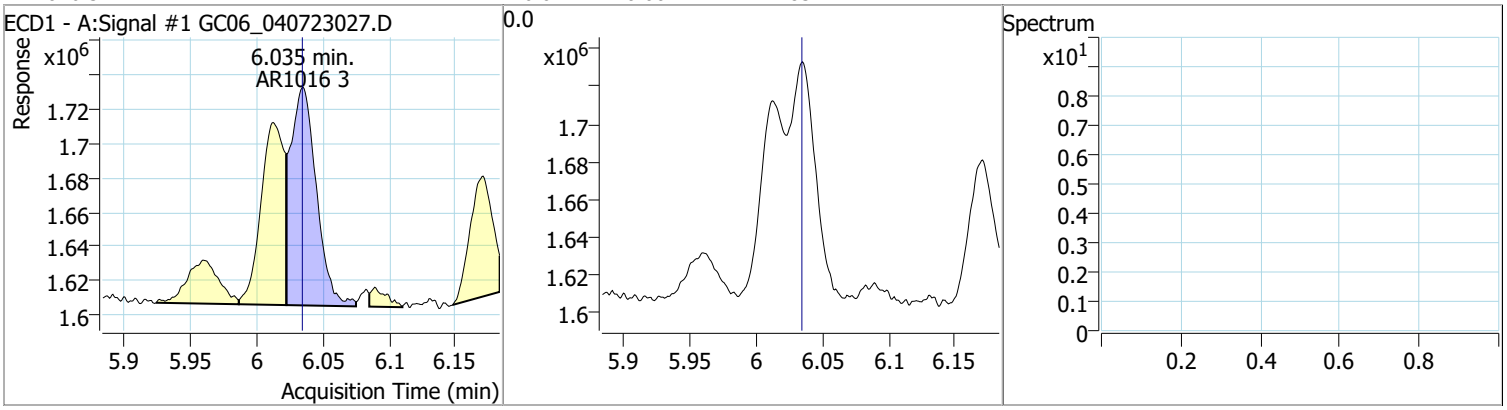
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	0.00	151449 (m)				



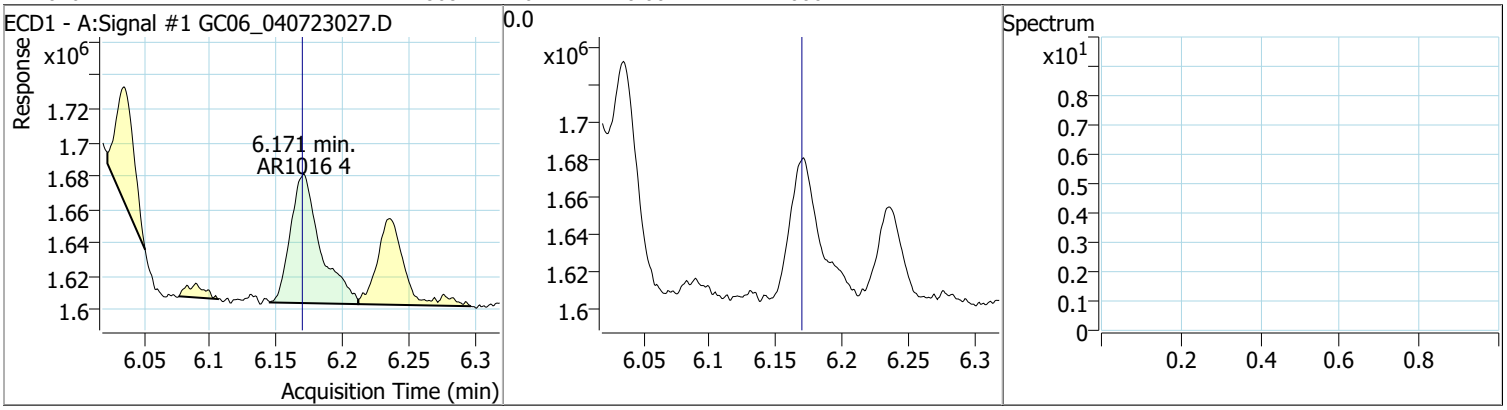
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	28.3133	5.79	0.00	247915				



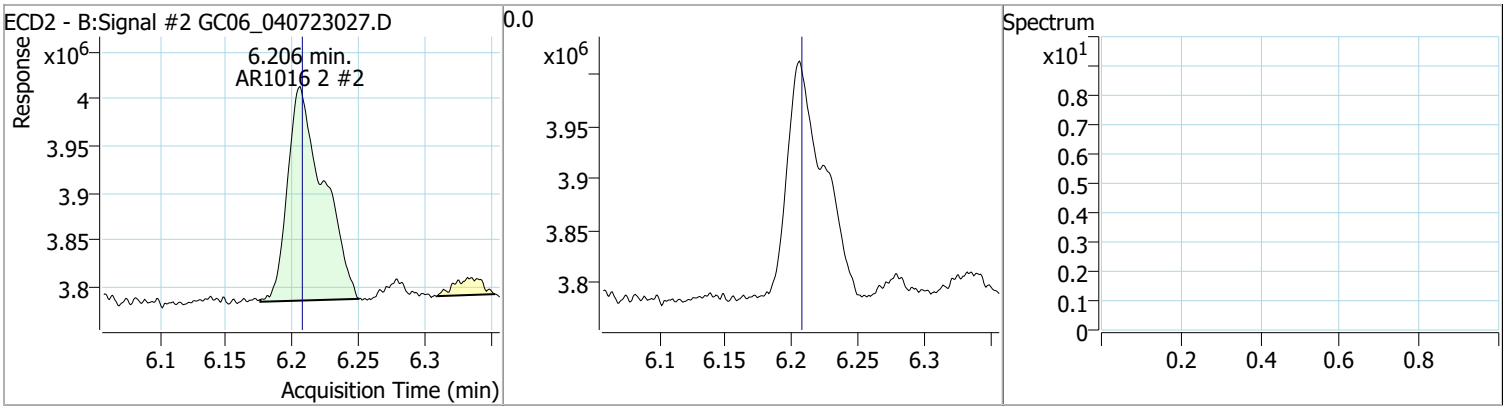
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	4.2271	6.04	0.00	172837				



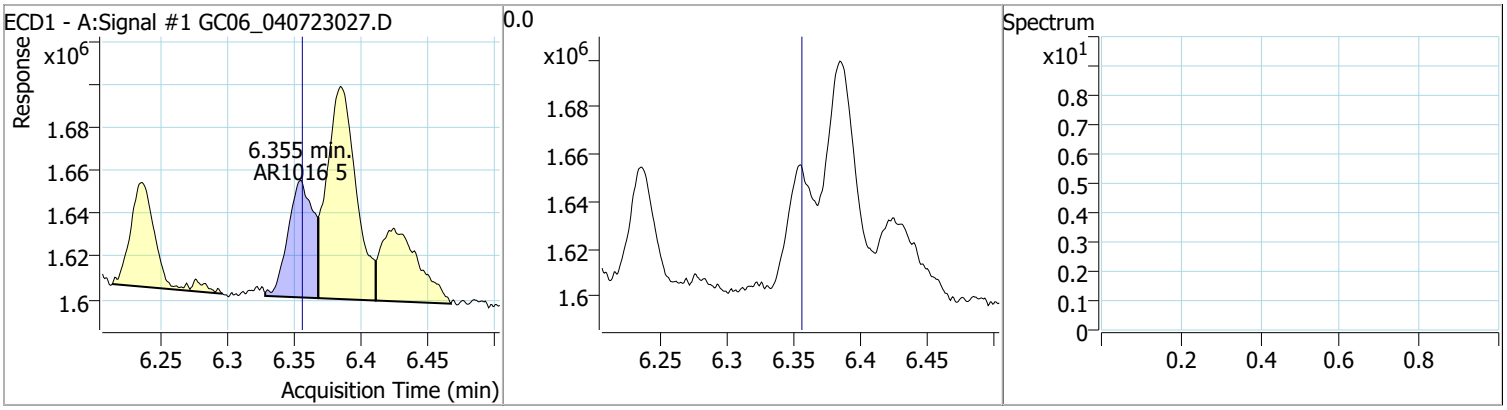
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	24.8687	6.17	0.00	121006				



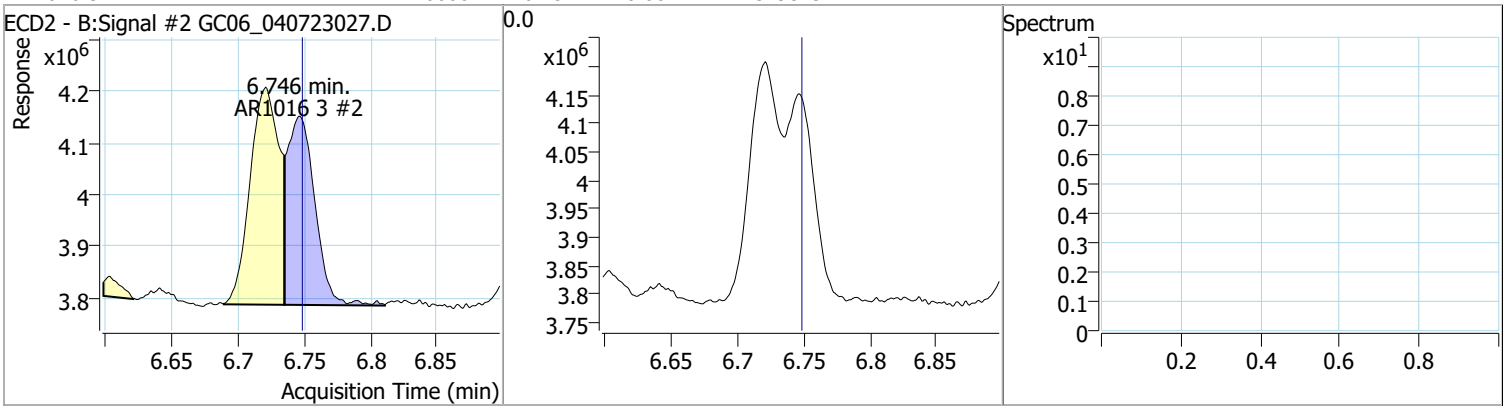
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	23.2454	6.21	0.00	429233				



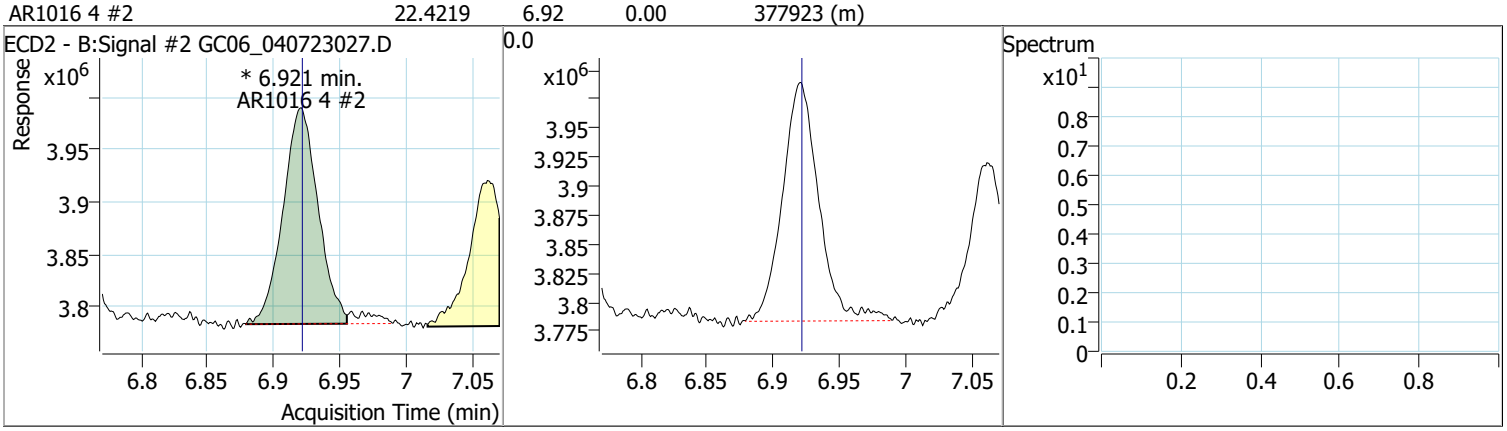
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.1642	6.36	0.00	71813				



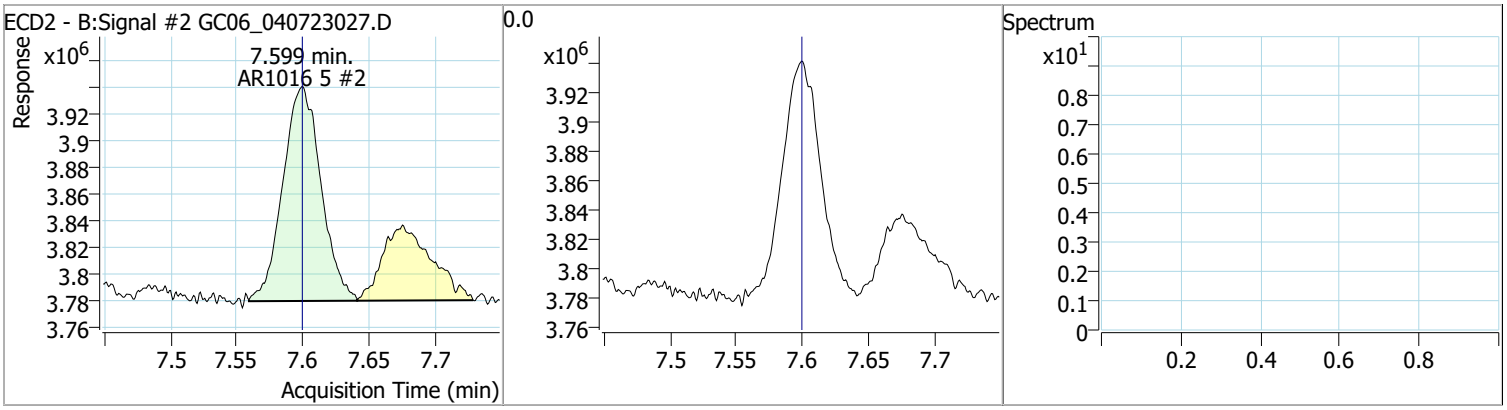
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	22.6008	6.75	0.00	529519				



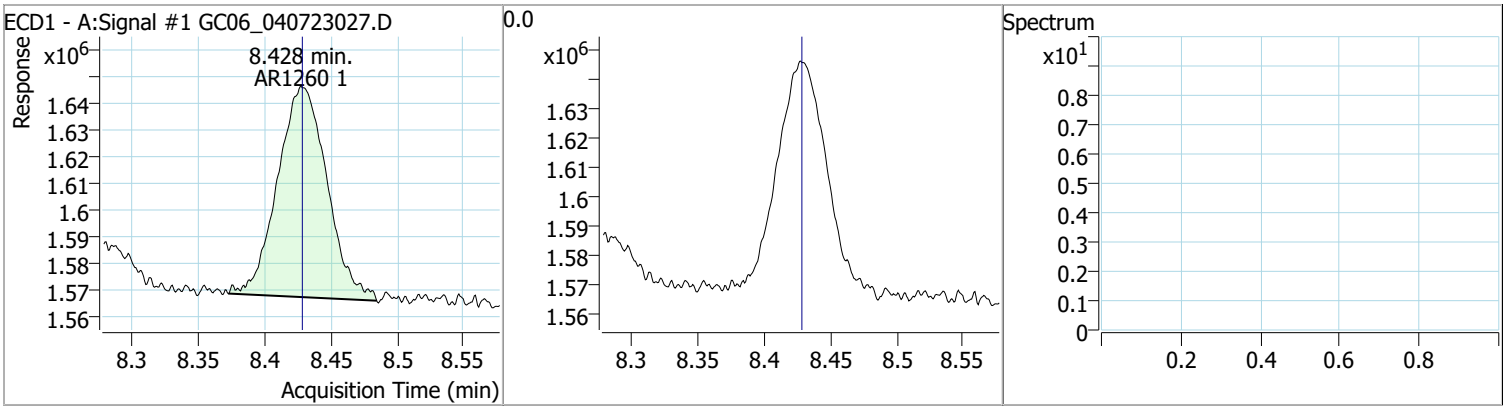
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.4219	6.92	0.00	377923 (m)				



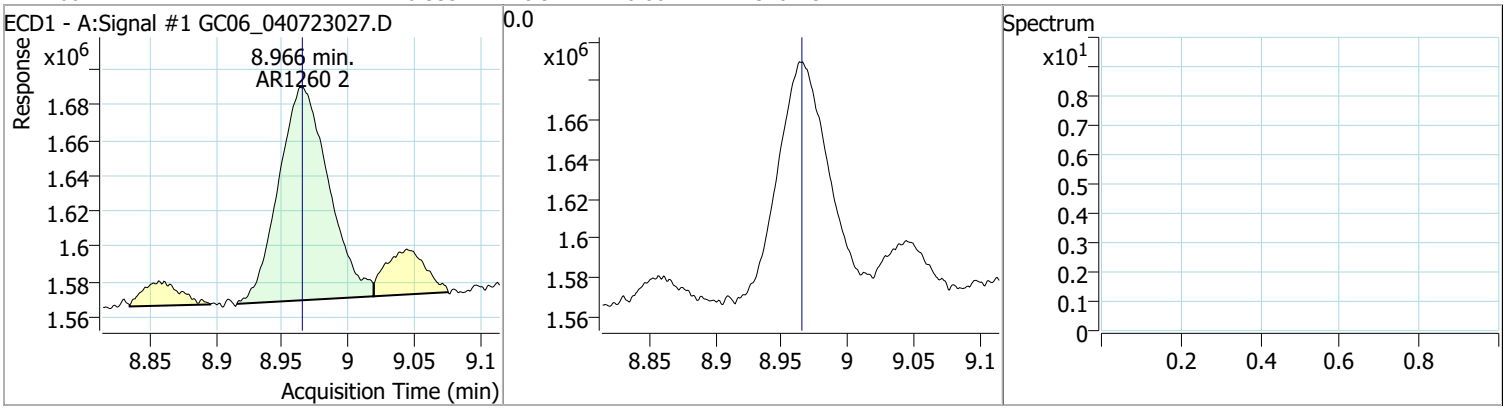
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	23.3047	7.60	0.00	323459				



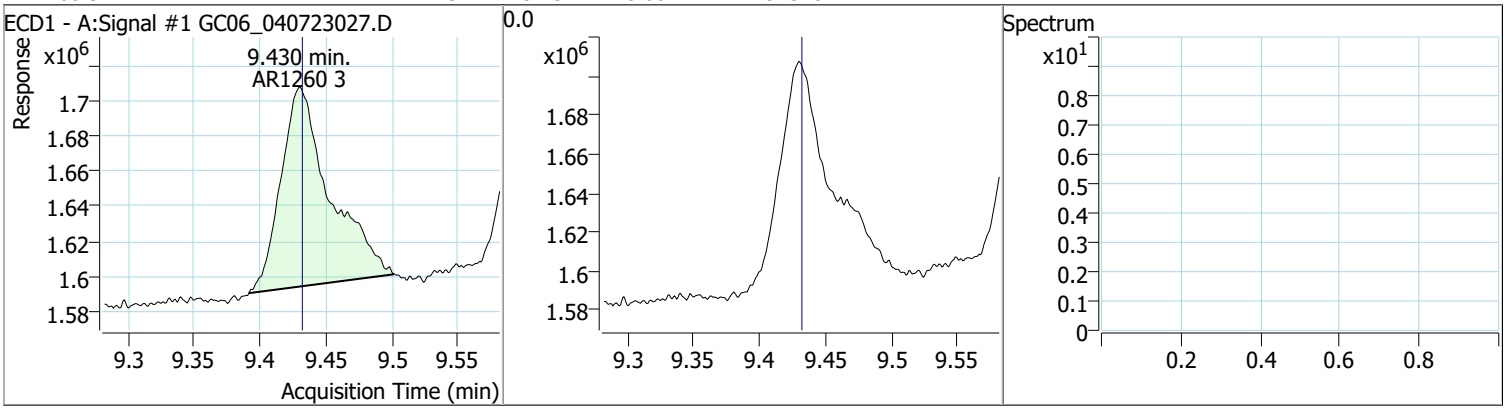
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	25.8878	8.43	0.00	205641				



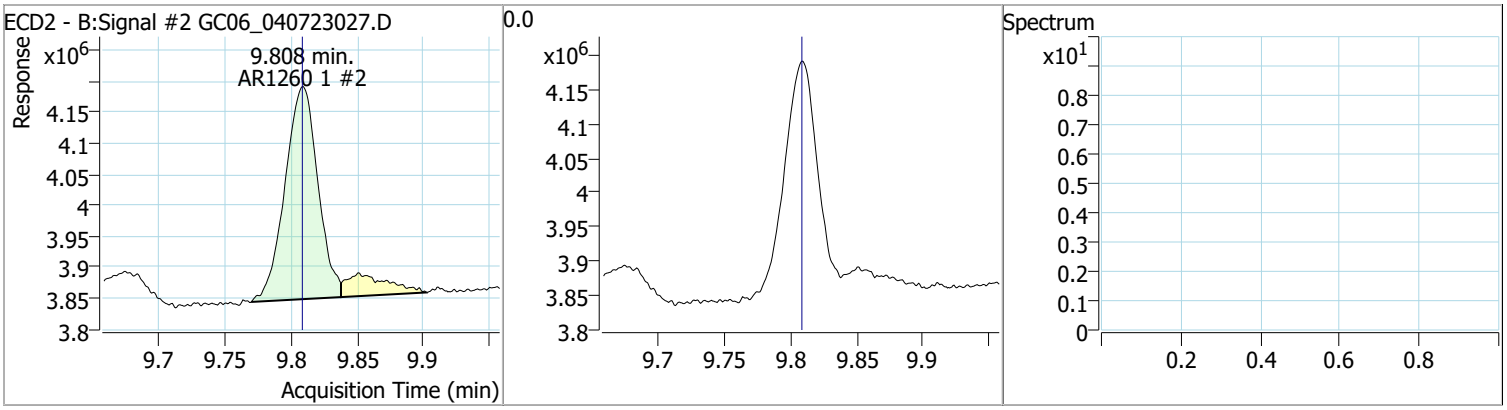
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.3357	8.97	0.00	316179				



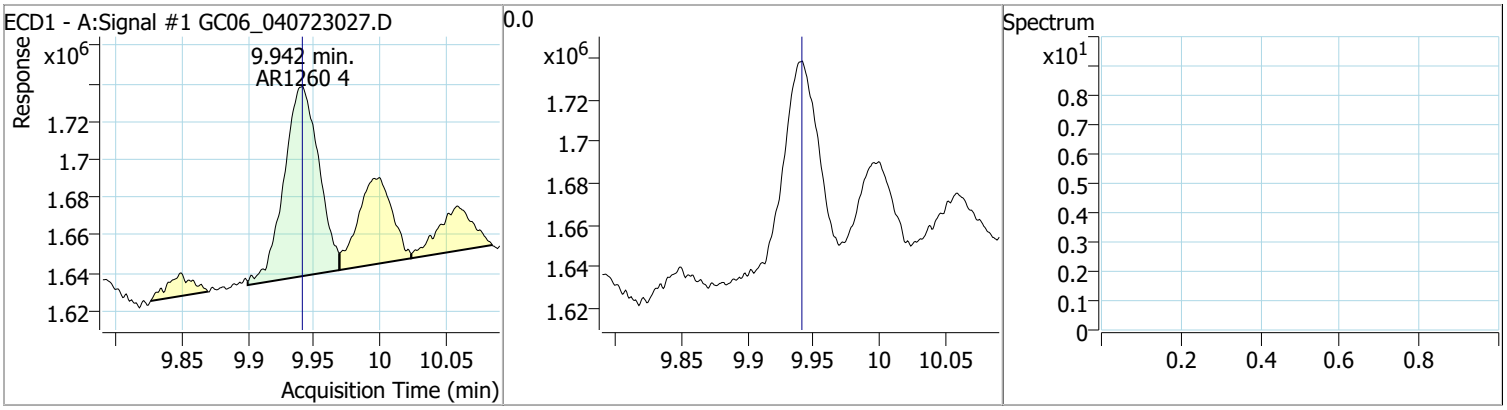
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	24.1432	9.43	0.00	291320				



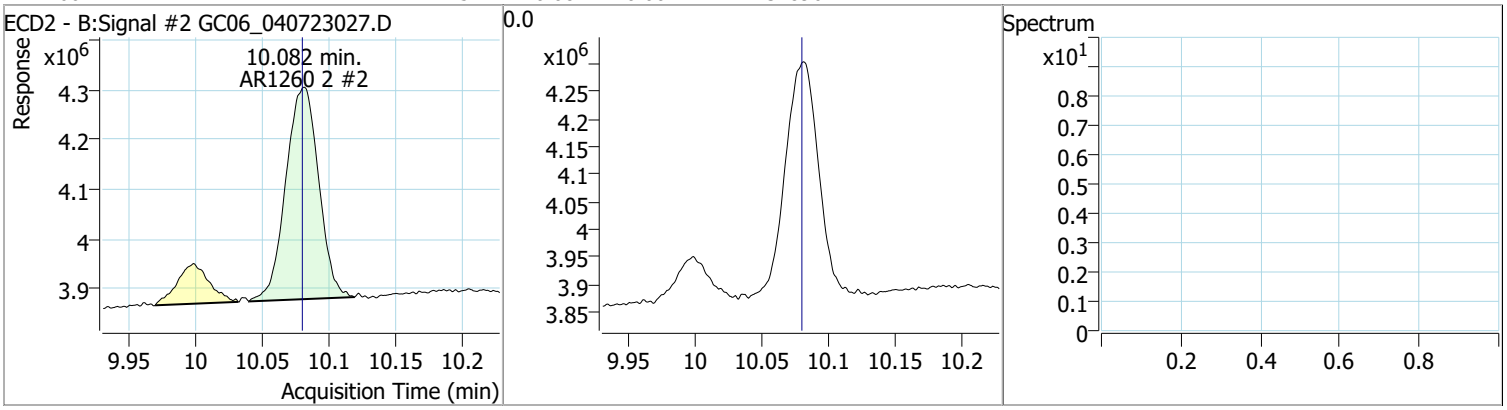
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.4961	9.81	0.00	595350				



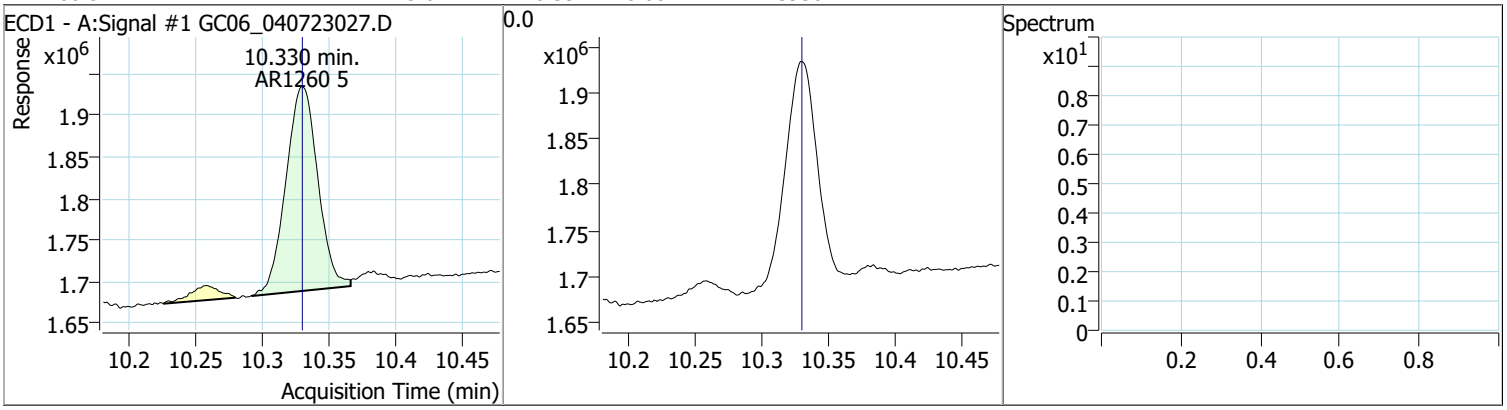
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.5866	9.94	0.00	183613				



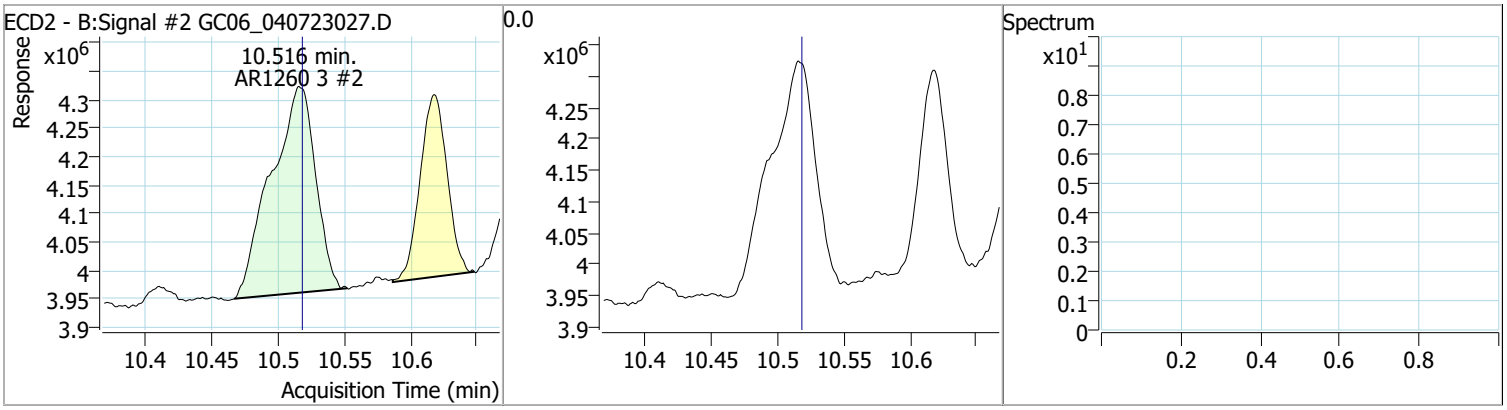
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	24.4415	10.08	0.00	734896				



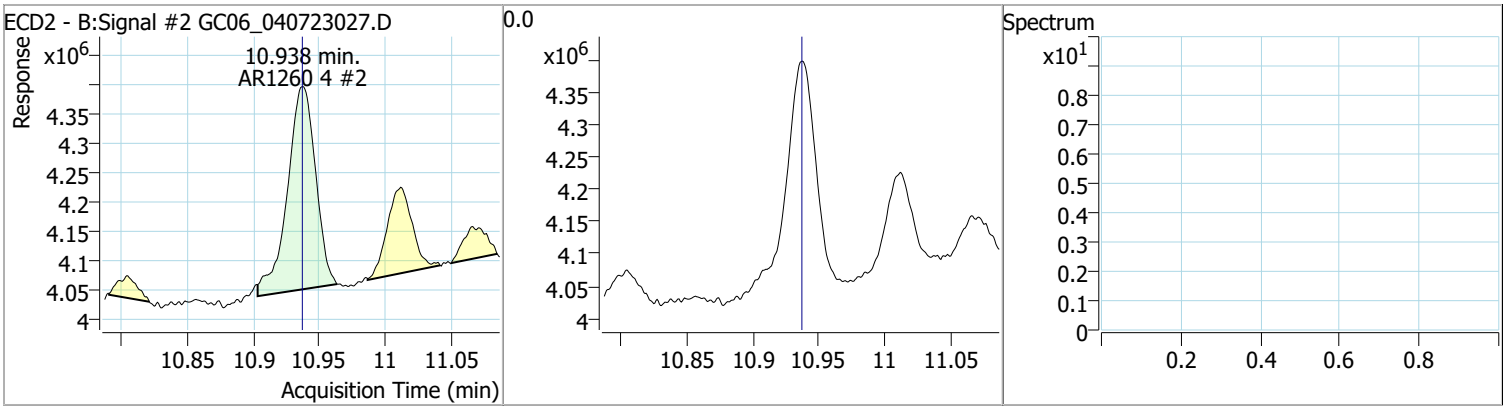
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.6727	10.33	0.00	413930				



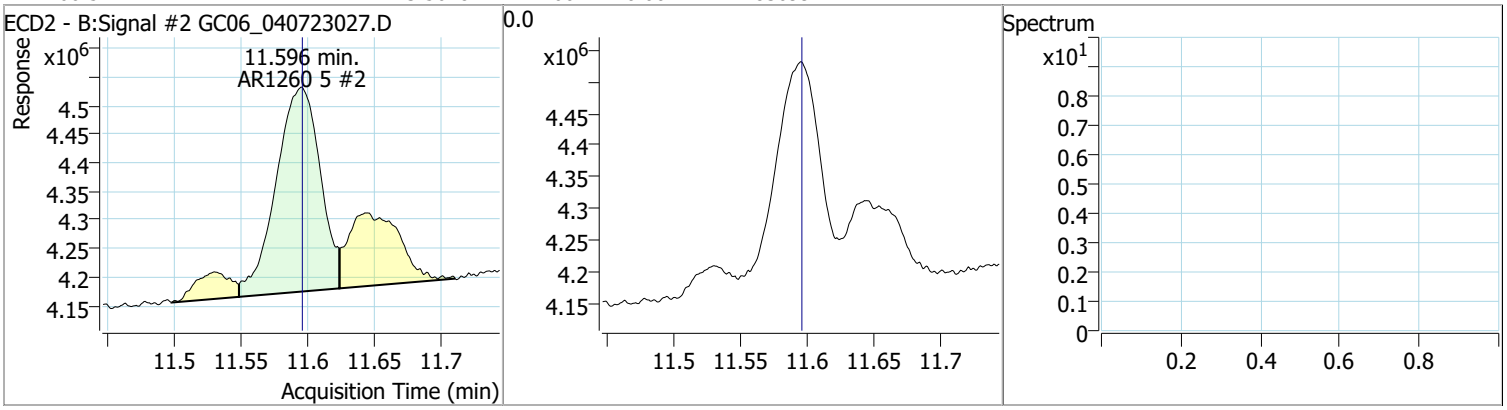
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	22.9588	10.52	0.00	849995				



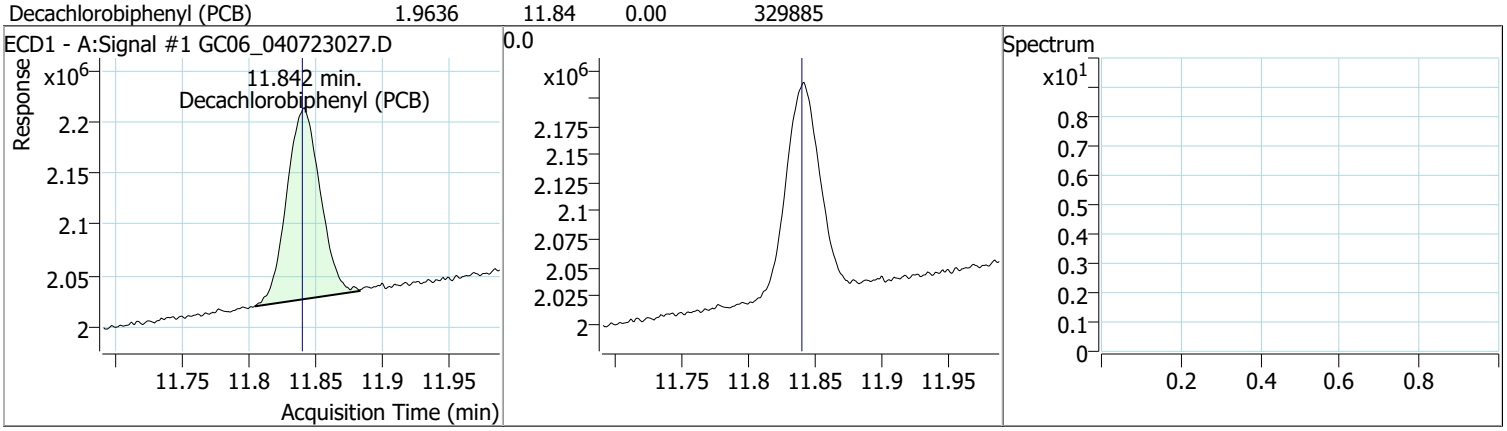
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	23.7105	10.94	0.00	514997				



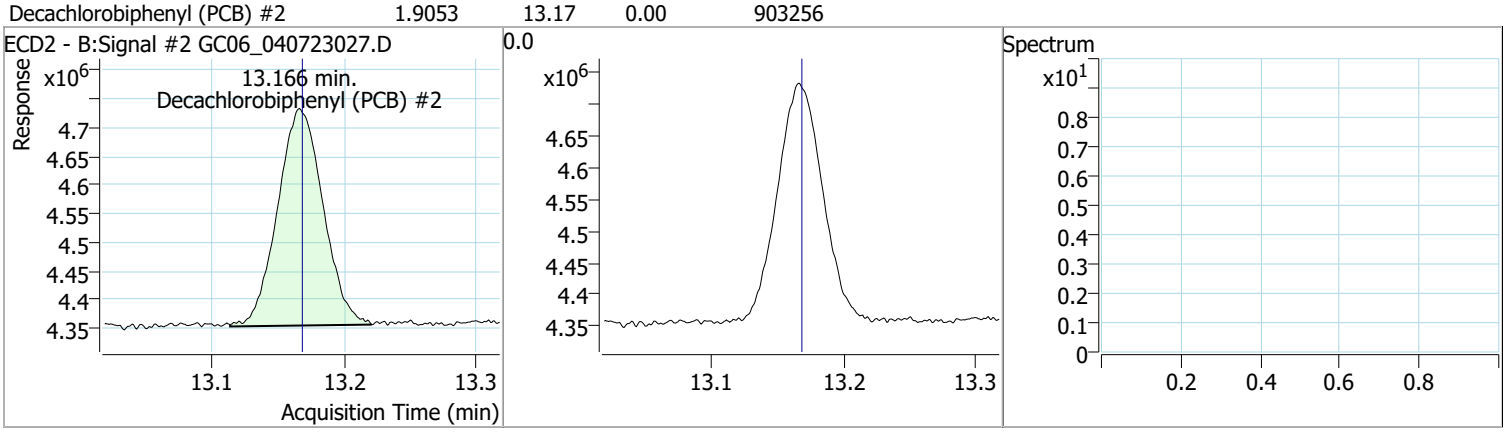
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.5648	11.60	0.00	830997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.9636	11.84	0.00	329885				

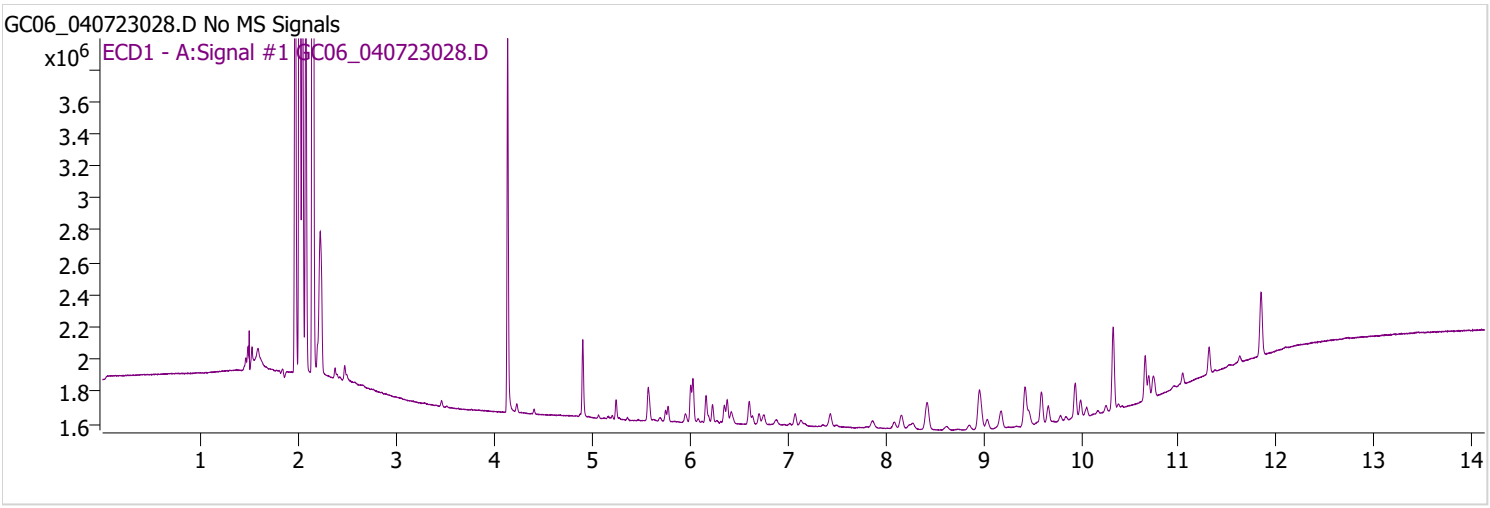


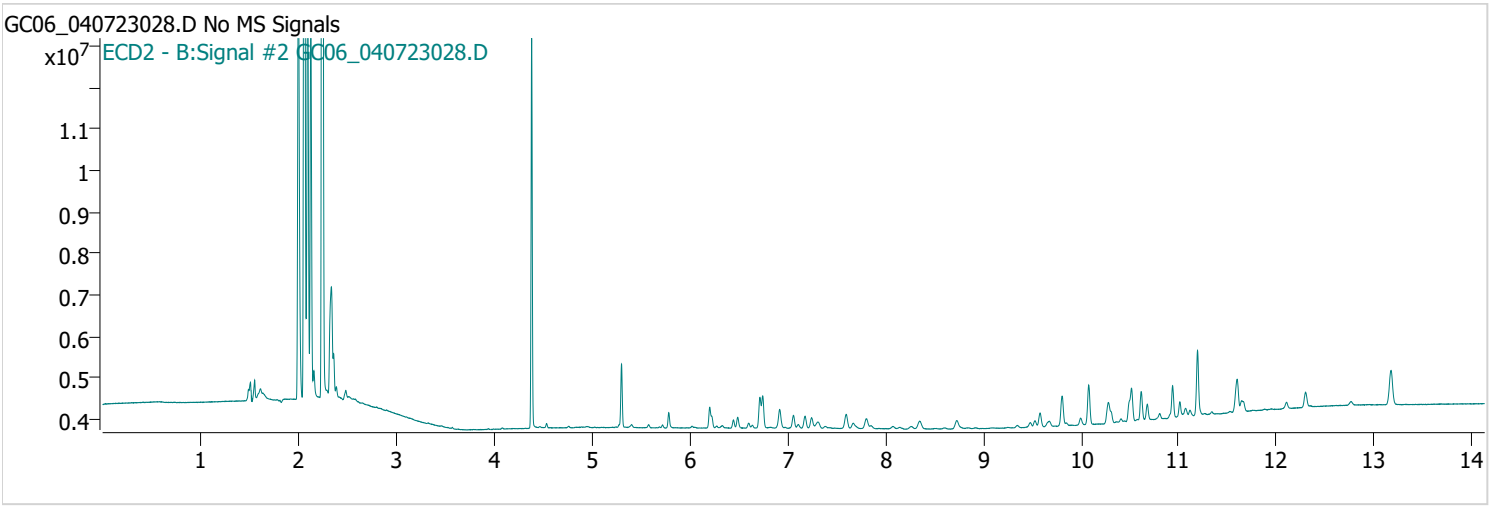
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.9053	13.17	0.00	903256				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 11:07:03 PM
Sample Name	ICAL, S18181	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



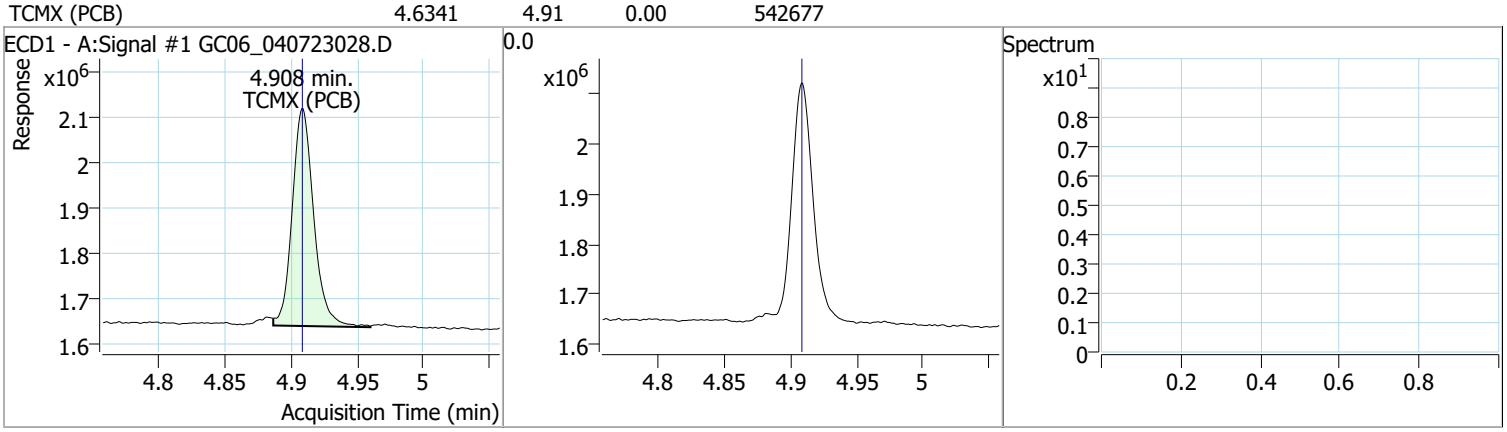


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2292782.760	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8160407.570	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.908	0.0	542676.602	4.6341	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.17%		*	
S TCMX (PCB) #2	5.304	0.0	1652340.217	4.0891	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.45%		*	
S Decachlorobiphenyl (PCB)	11.841	0.0	728760.613	4.5105	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.55%		*	
S Decachlorobiphenyl (PCB) #2	13.170	0.0	1957661.854	4.3106	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.55%		*	
Target Compounds							**QValue**
T AR1016 1	5.249	0.0	138722.103	58.1741	ng/ml		100

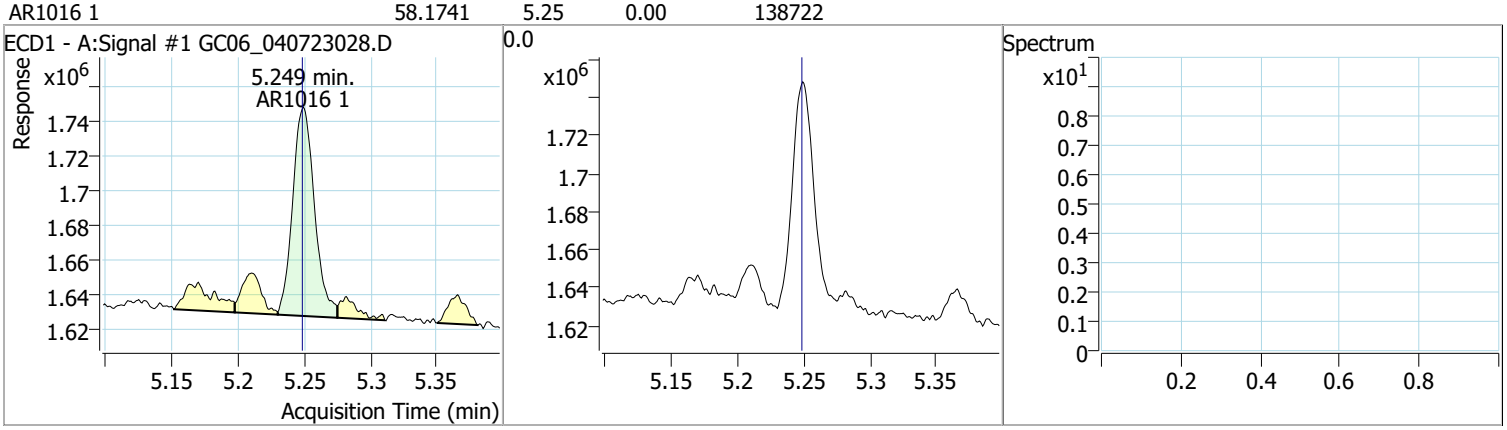
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.578	0.0	347560.393	43.3515	ng/ml		100
T AR1016 1 #2	5.787	0.0	457217.281	54.5089	ng/ml		100
T AR1016 3	6.034	0.0	371951.959	40.9508	ng/ml		100
T AR1016 4	6.168	0.0	266423.870	56.9343	ng/ml		100
T AR1016 2 #2	6.206	0.0	975686.910	55.1584	ng/ml		100
T AR1016 5	6.355	0.0	154050.526	56.1301	ng/ml		100
T AR1016 3 #2	6.748	0.0	1200599.259	53.4931	ng/ml		100
T AR1016 4 #2	6.921	0.0	851666.435	52.7468	ng/ml		100
T AR1016 5 #2	7.600	0.0	695580.759	52.3153	ng/ml		100
T AR1260 1	8.427	0.0	441936.887	57.8496	ng/ml		100
T AR1260 2	8.963	0.0	664650.710	57.5651	ng/ml		100
T AR1260 3	9.428	0.0	608670.231	52.4519	ng/ml		100
T AR1260 1 #2	9.808	0.0	1313429.445	56.4143	ng/ml	m	100
T AR1260 4	9.943	0.0	407134.127	56.6875	ng/ml		100
T AR1260 2 #2	10.079	0.0	1597956.469	55.4784	ng/ml		100
T AR1260 5	10.329	0.0	872693.854	56.2808	ng/ml		100
T AR1260 3 #2	10.516	0.0	1889431.555	53.2747	ng/ml		100
T AR1260 4 #2	10.937	0.0	1149826.195	55.2617	ng/ml		100
T AR1260 5 #2	11.598	0.0	1730614.682	51.2297	ng/ml		100

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

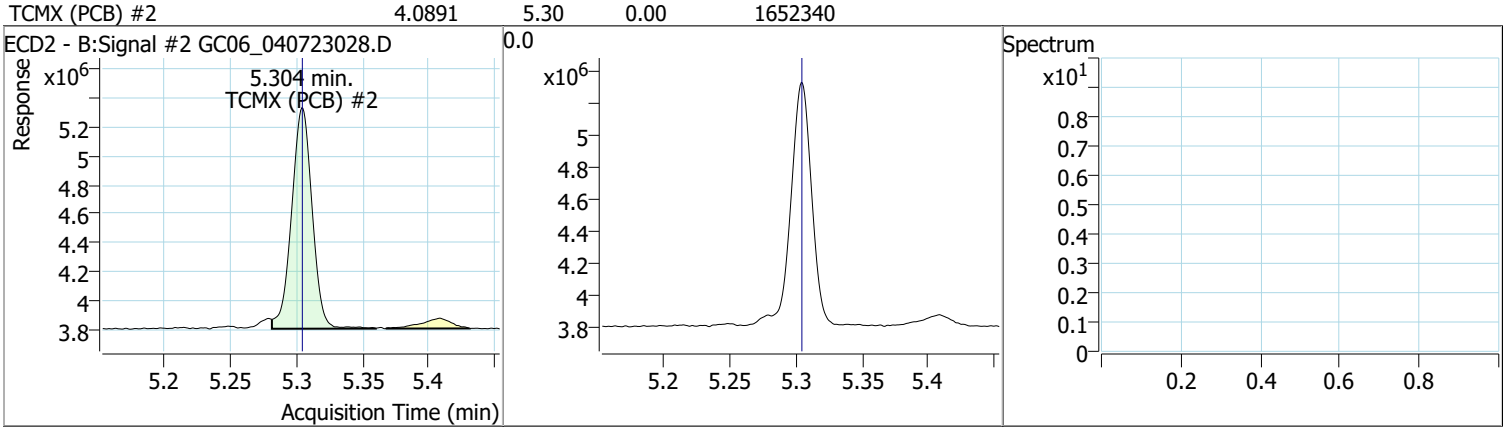
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.6341	4.91	0.00	542677				



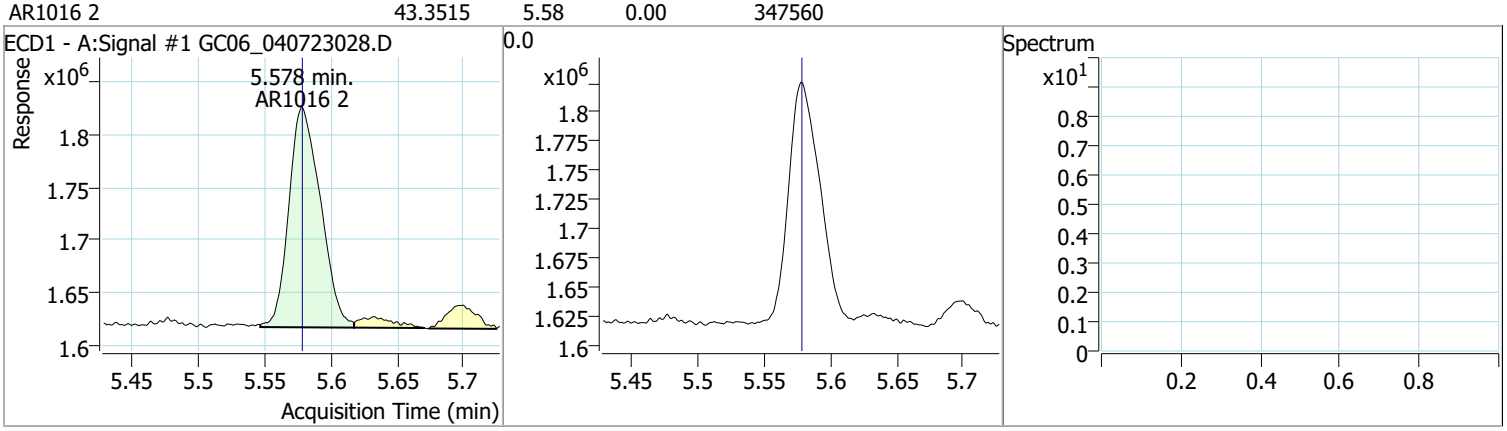
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	58.1741	5.25	0.00	138722				



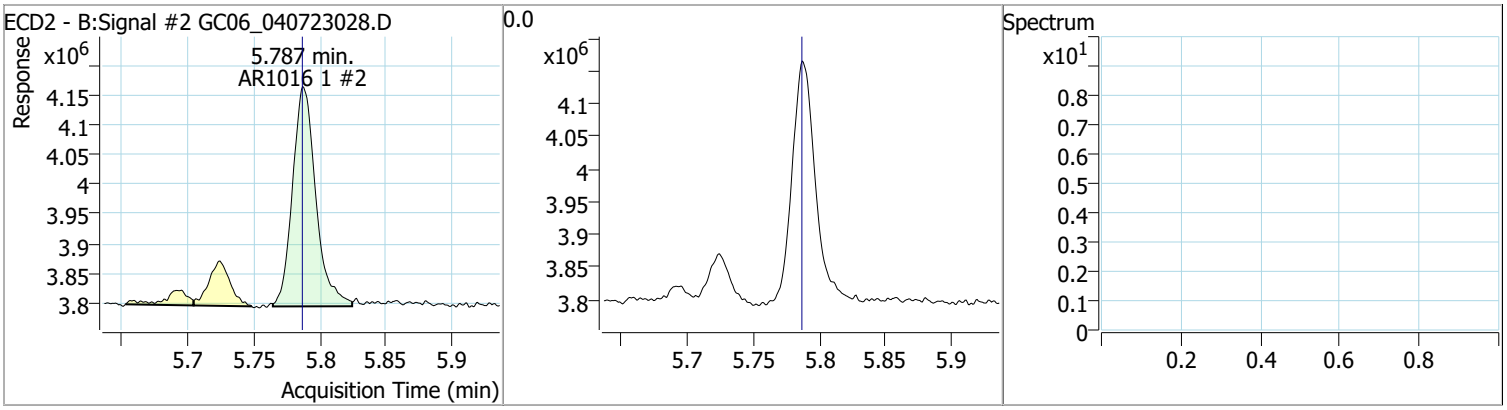
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.0891	5.30	0.00	1652340				



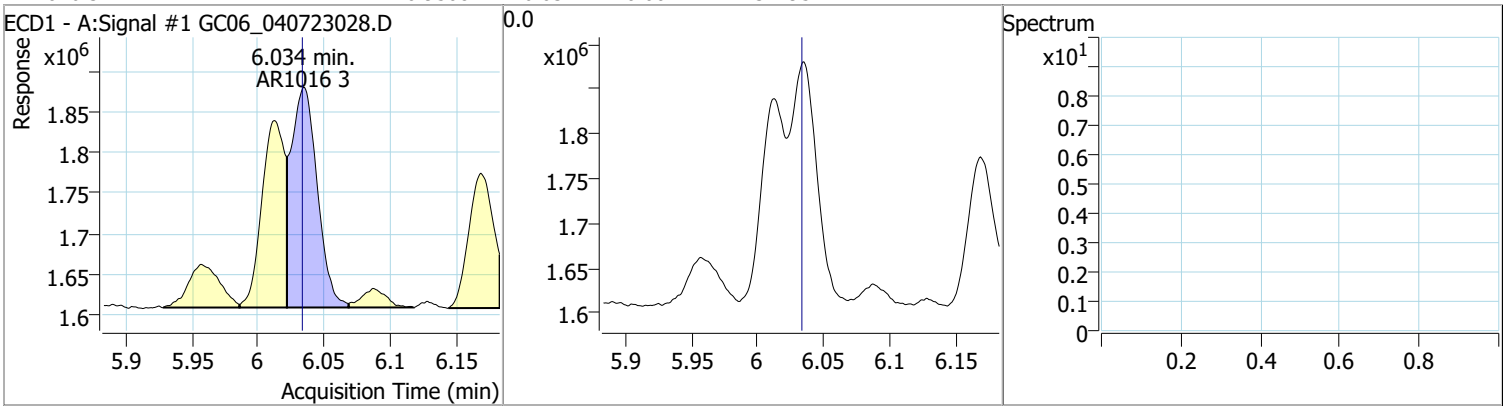
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.3515	5.58	0.00	347560				



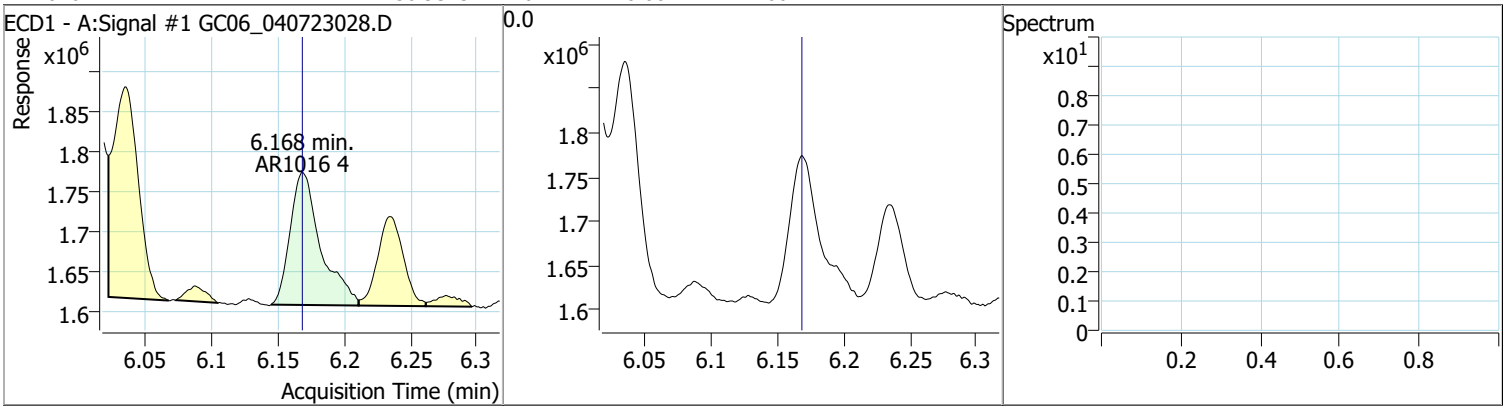
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	54.5089	5.79	0.00	457217				



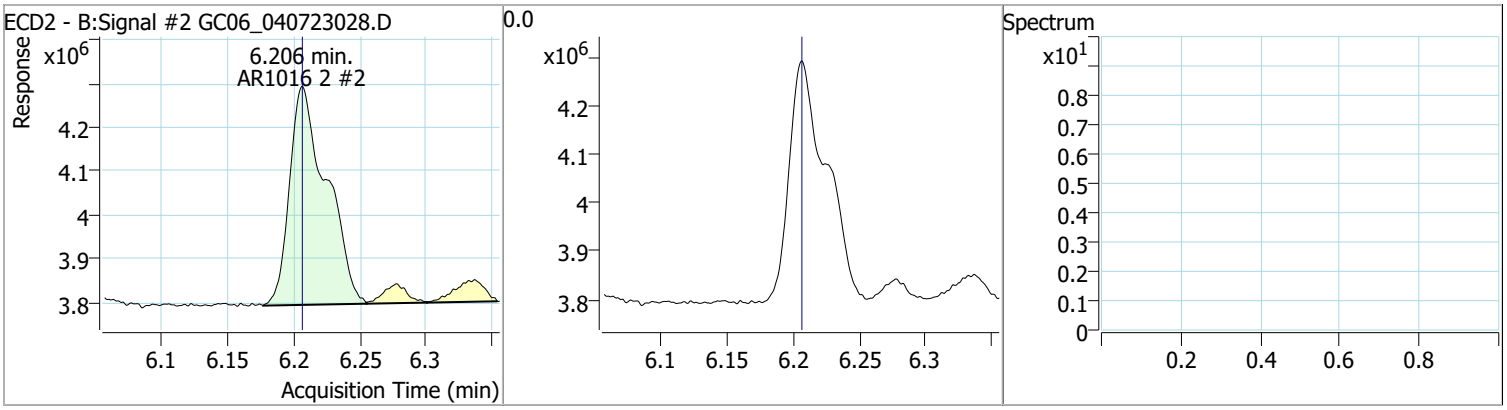
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	40.9508	6.03	0.00	371952				



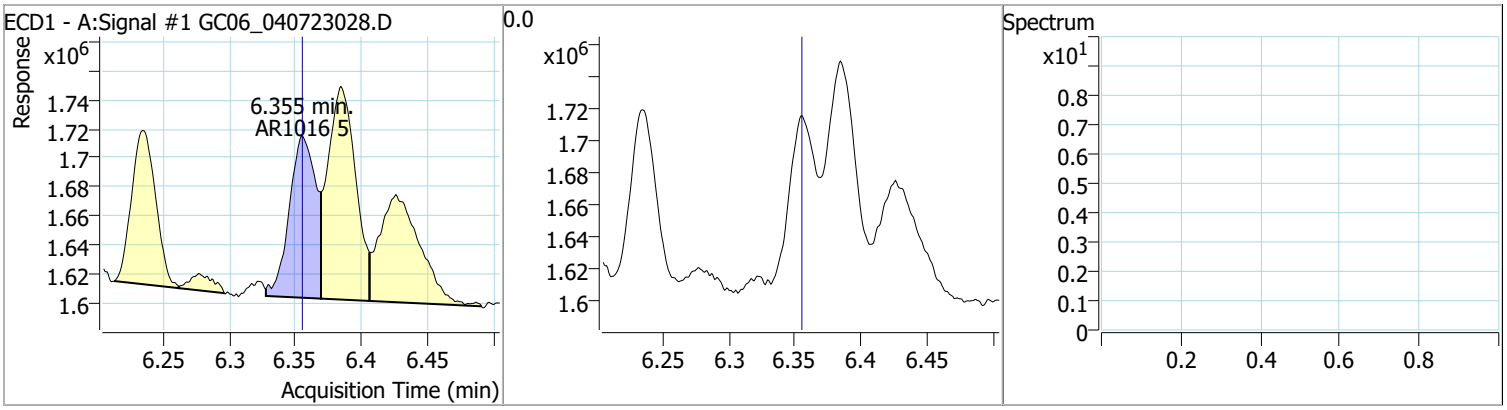
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	56.9343	6.17	0.00	266424				



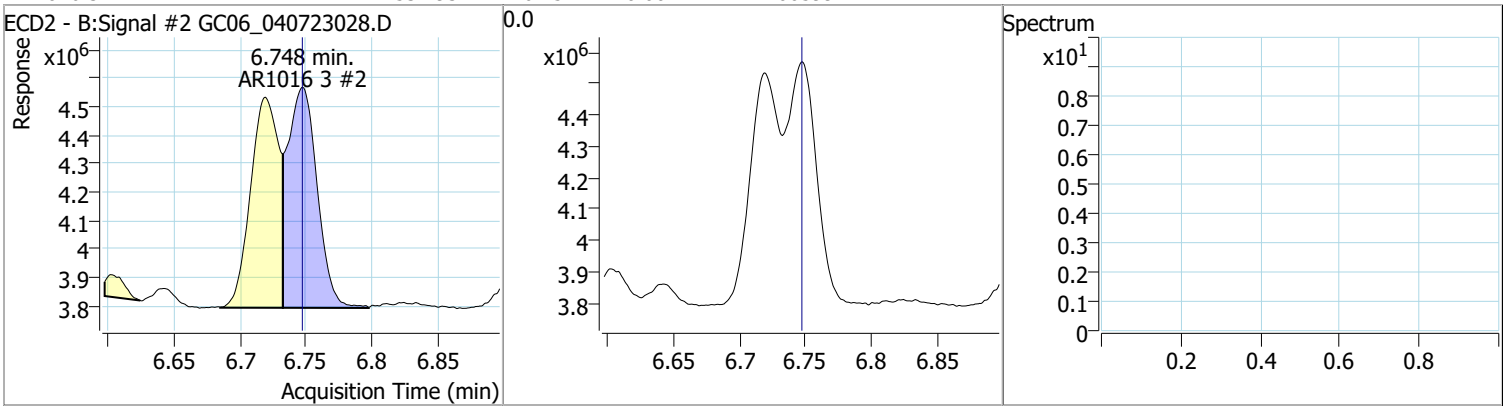
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	55.1584	6.21	0.00	975687				



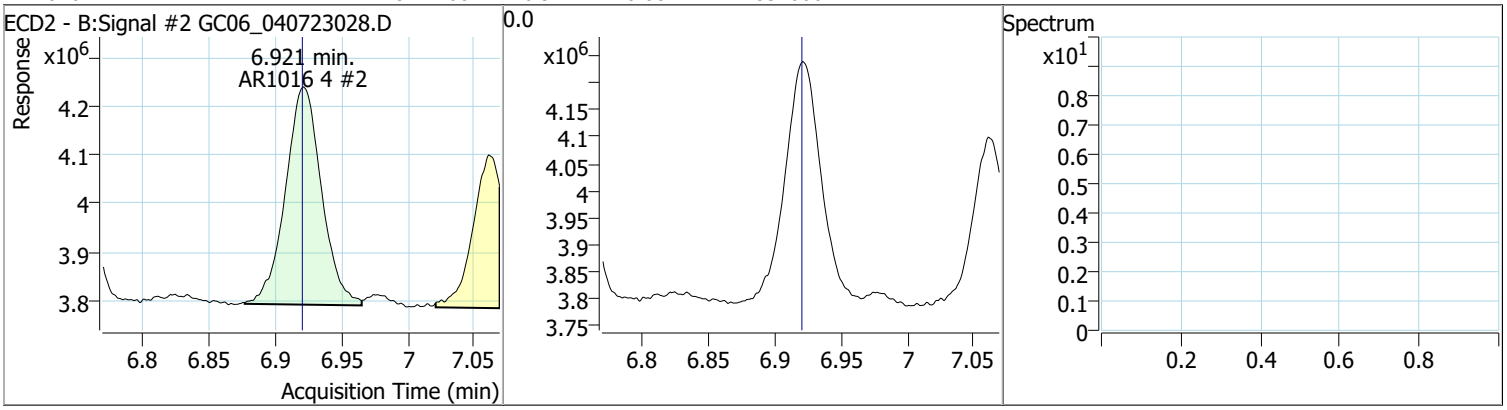
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	56.1301	6.36	0.00	154051				



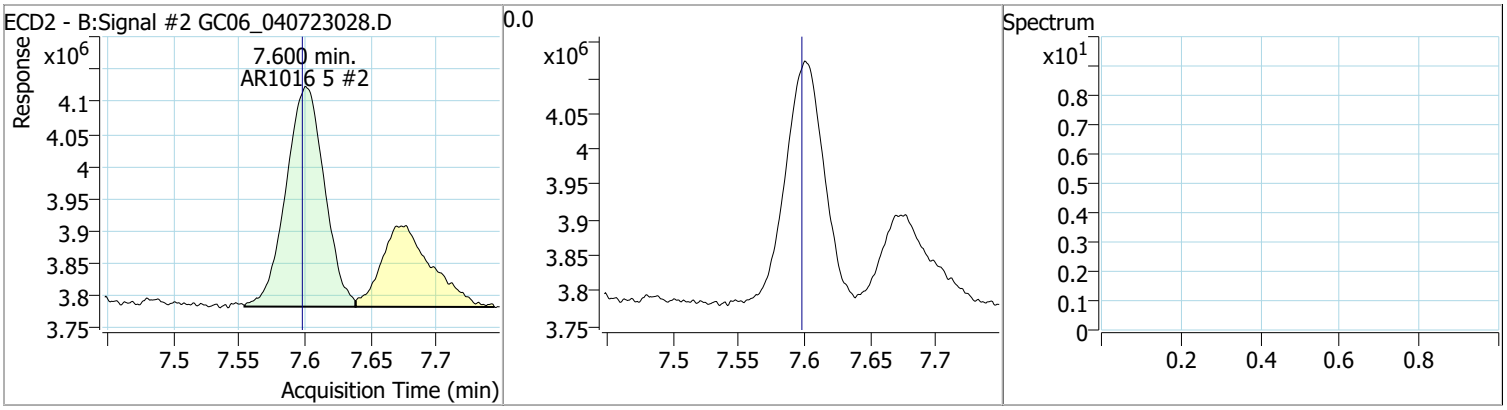
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	53.4931	6.75	0.00	1200599				



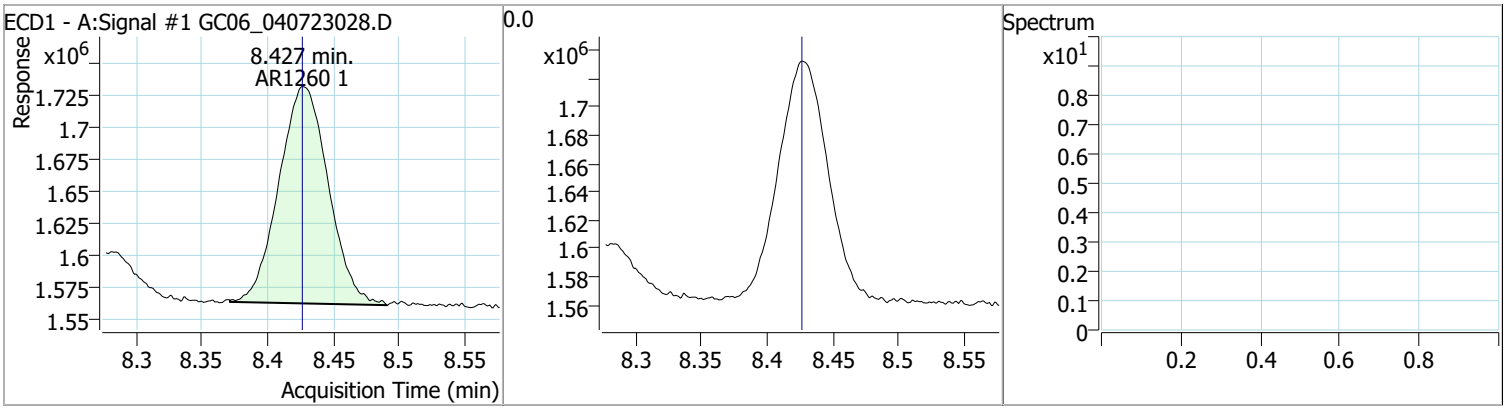
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	52.7468	6.92	0.00	851666				



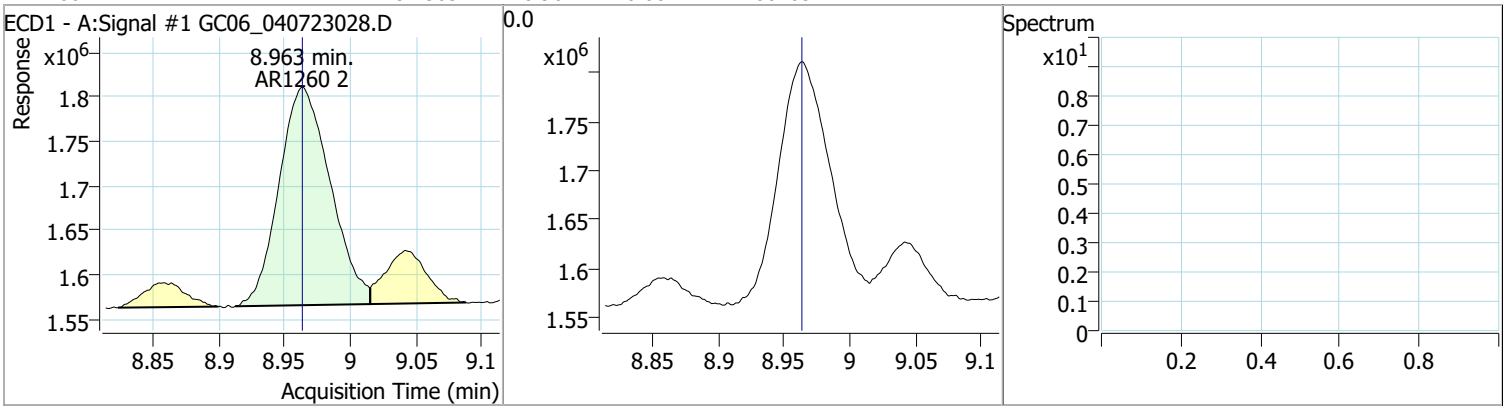
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	52.3153	7.60	0.00	695581				



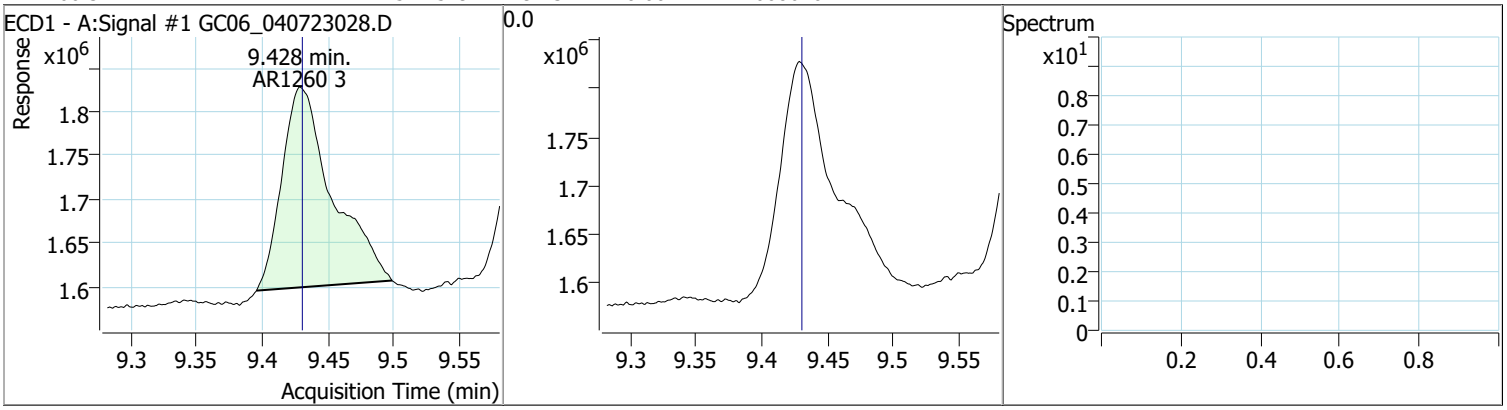
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.8496	8.43	0.00	441937				



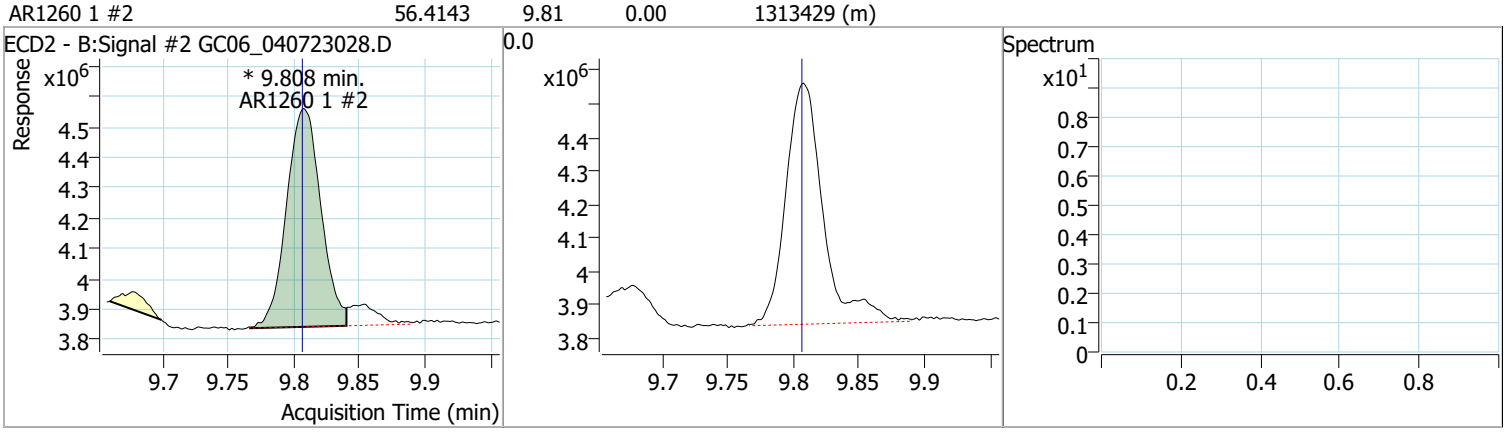
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	57.5651	8.96	0.00	664651				



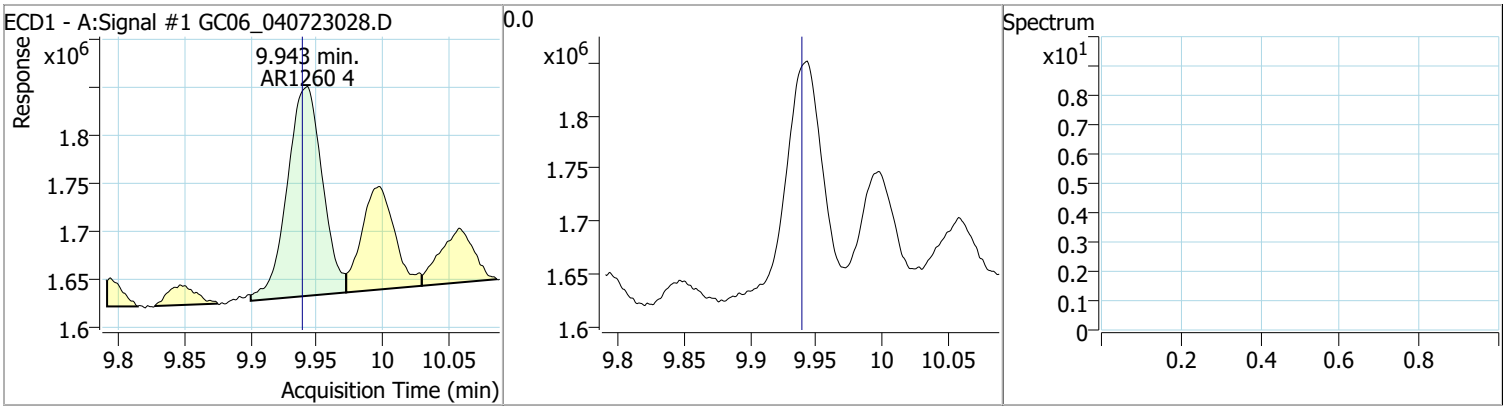
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	52.4519	9.43	0.00	608670				



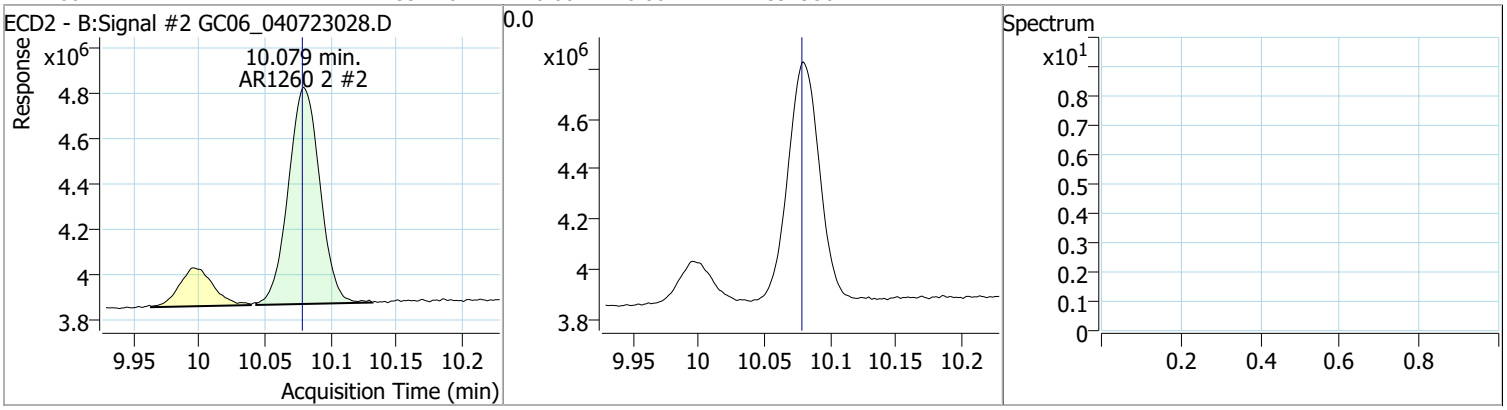
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	56.4143	9.81	0.00	1313429 (m)				



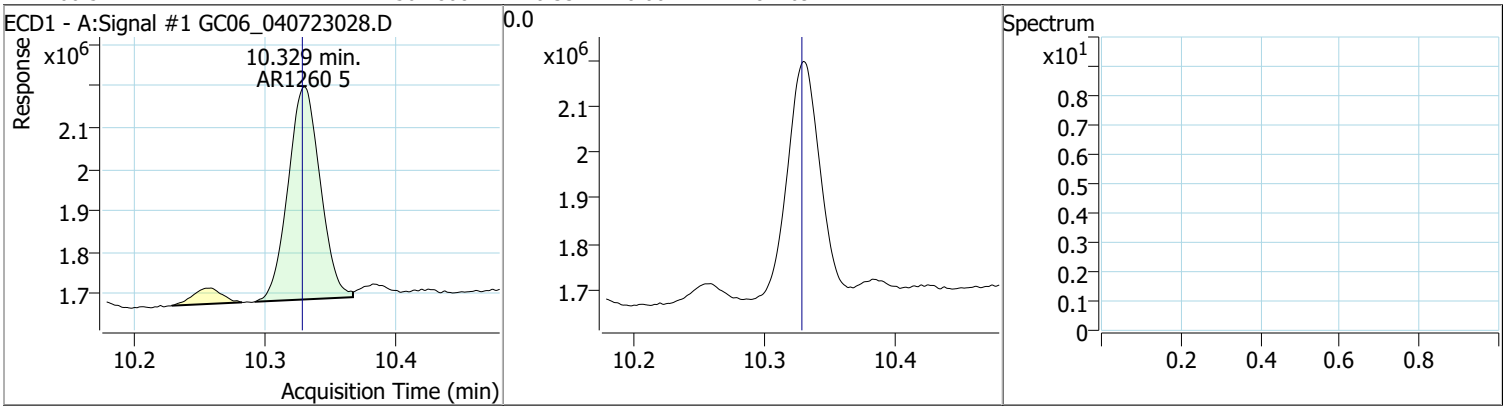
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	56.6875	9.94	0.00	407134				



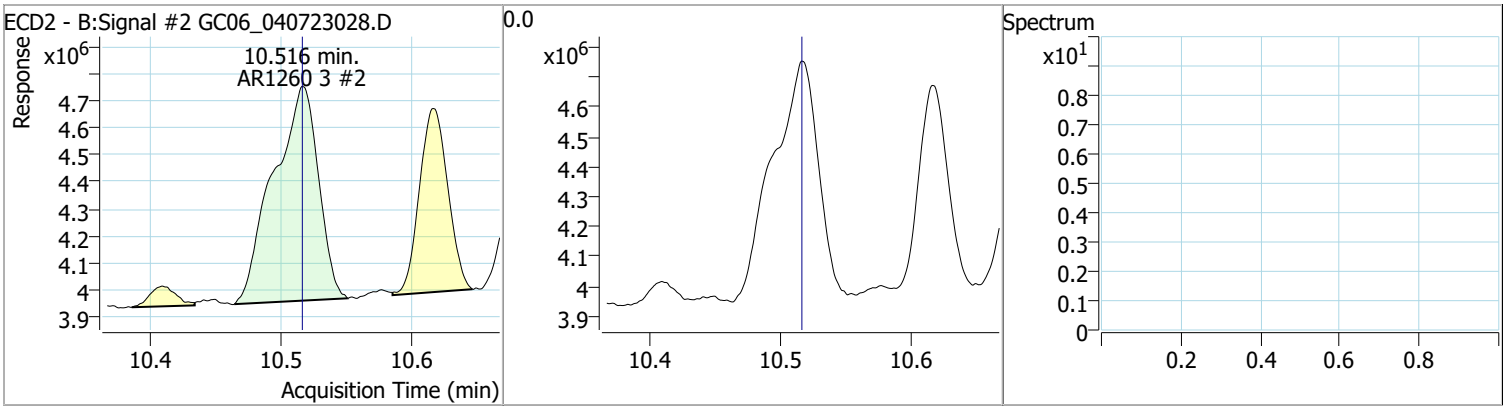
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.4784	10.08	0.00	1597956				



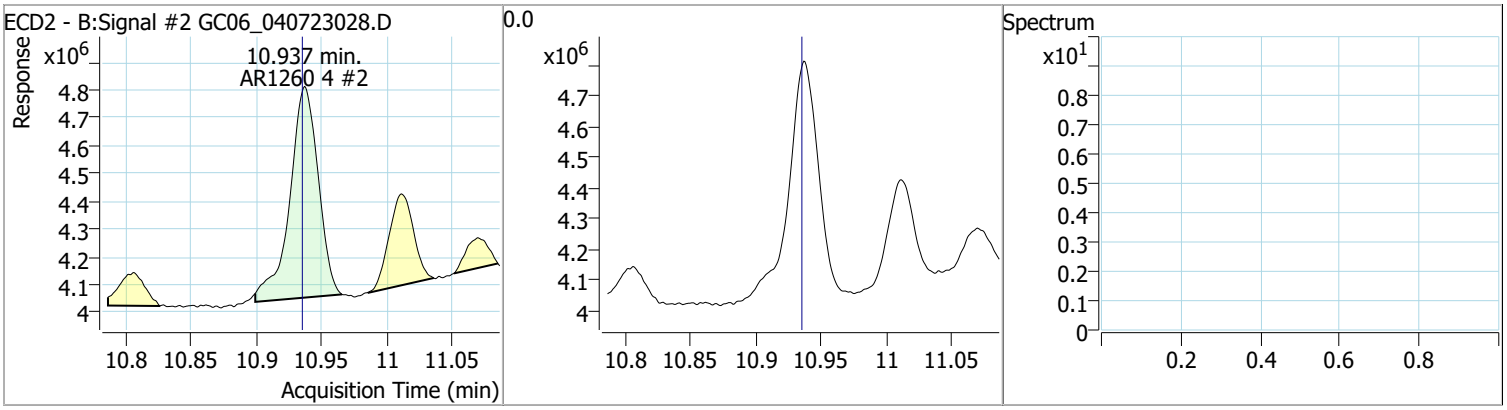
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.2808	10.33	0.00	872694				



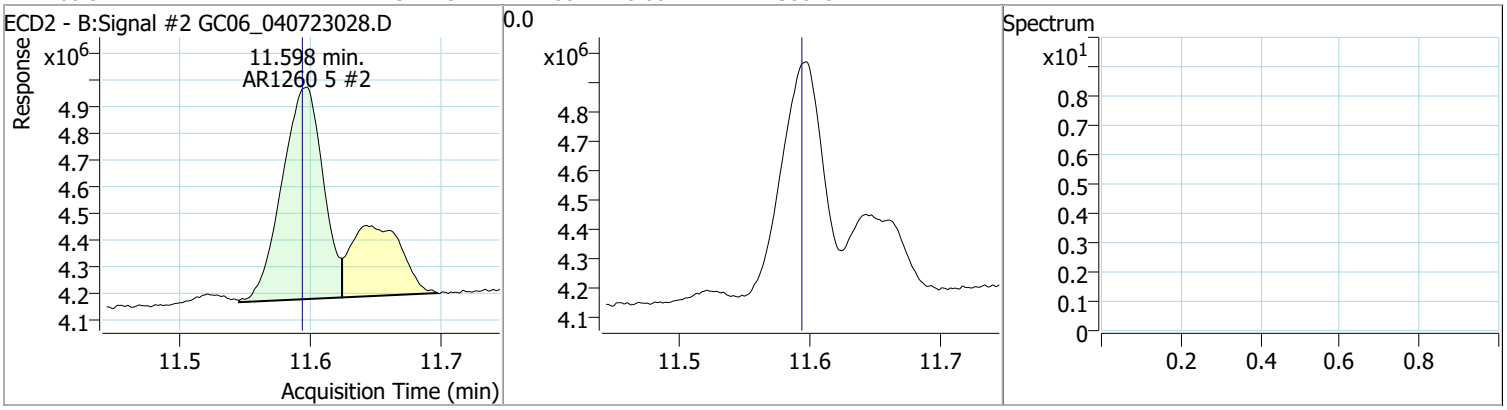
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	53.2747	10.52	0.00	1889432				



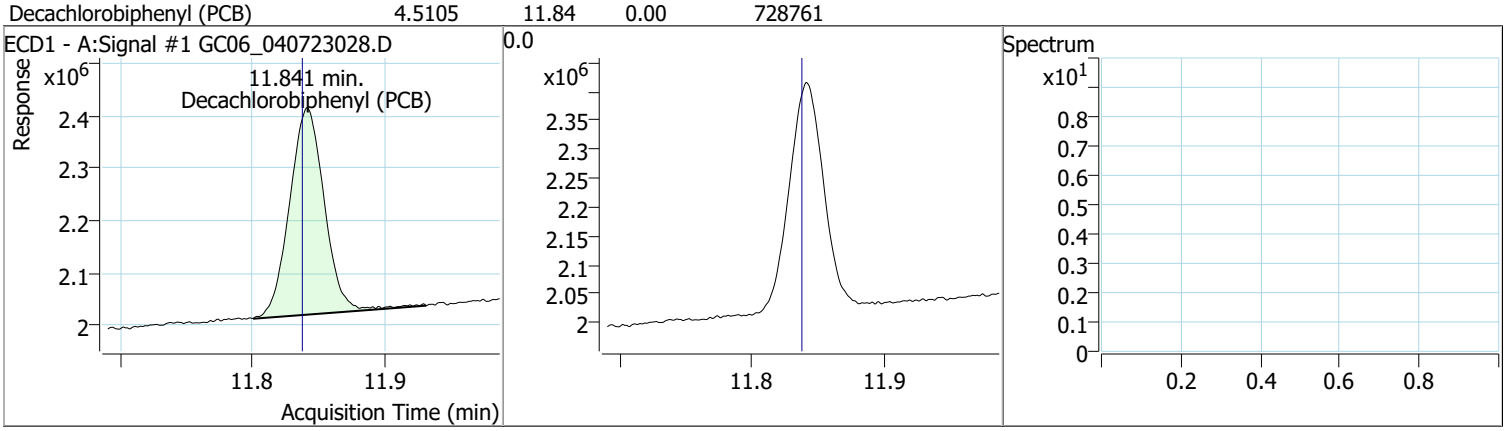
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	55.2617	10.94	0.00	1149826				



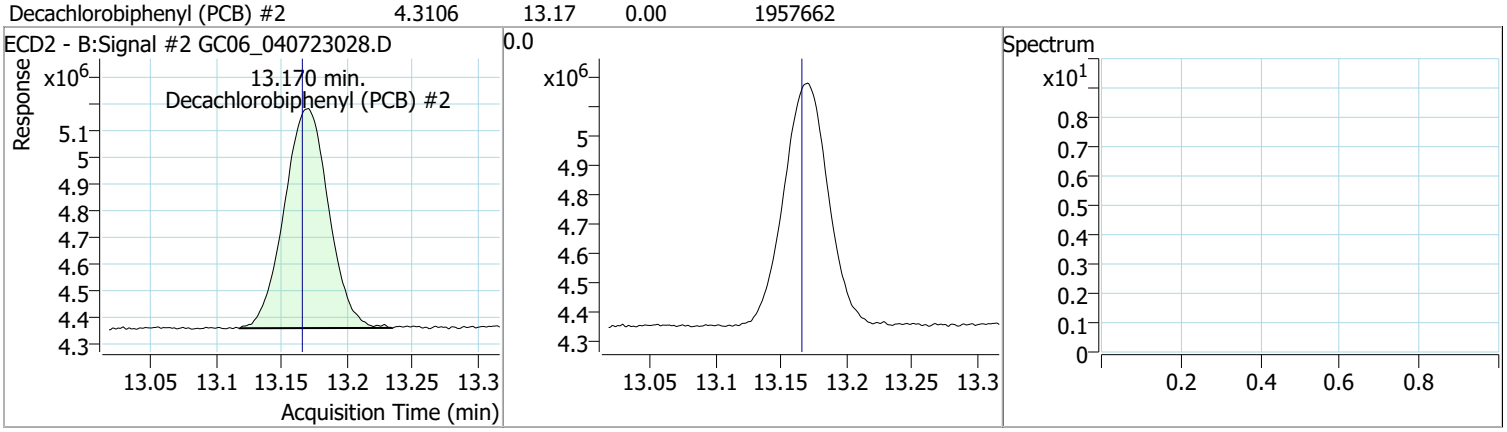
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	51.2297	11.60	0.00	1730615				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.5105	11.84	0.00	728761				

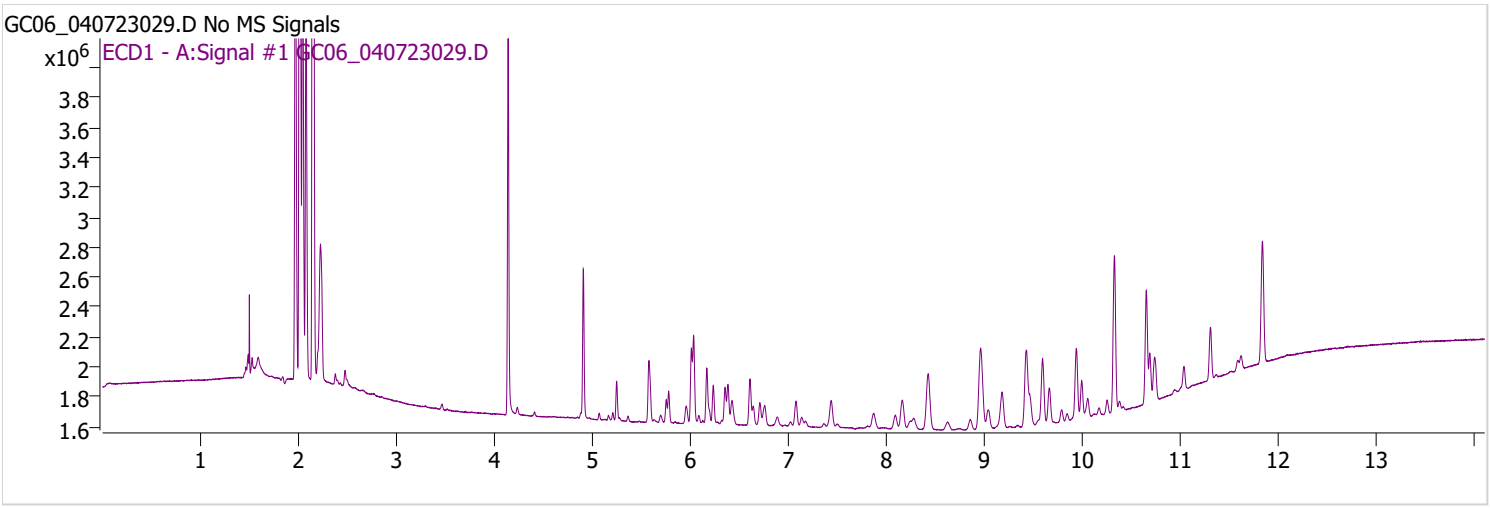


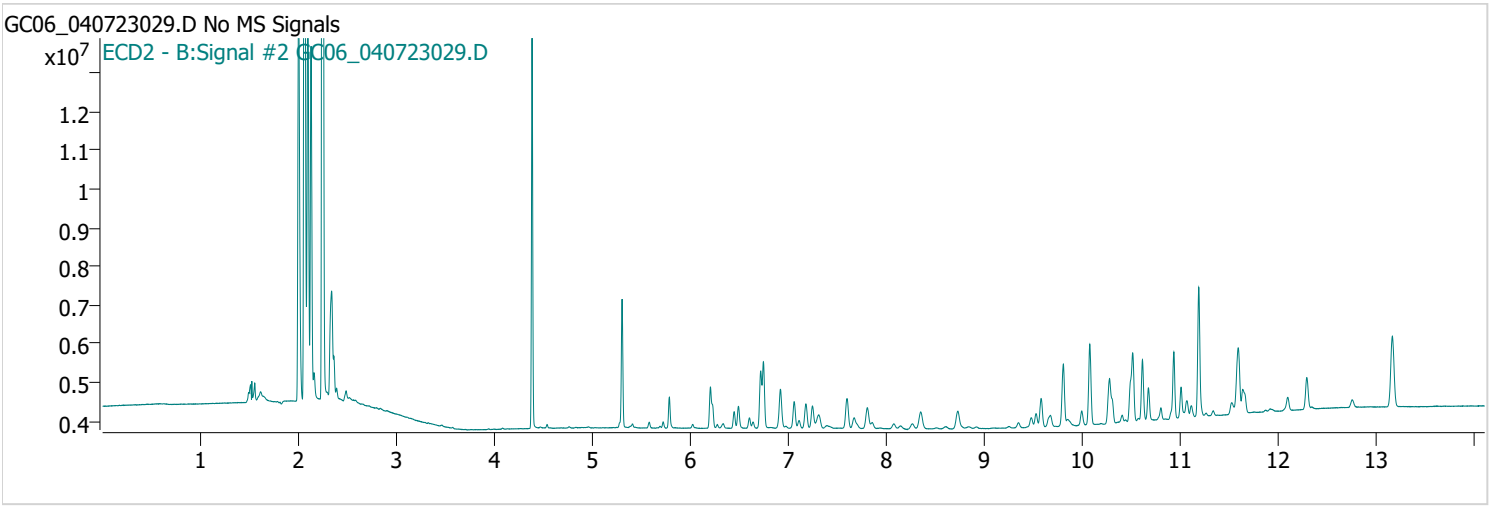
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.3106	13.17	0.00	1957662				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723029.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 11:25:13 PM
Sample Name	ICAL, S18182	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



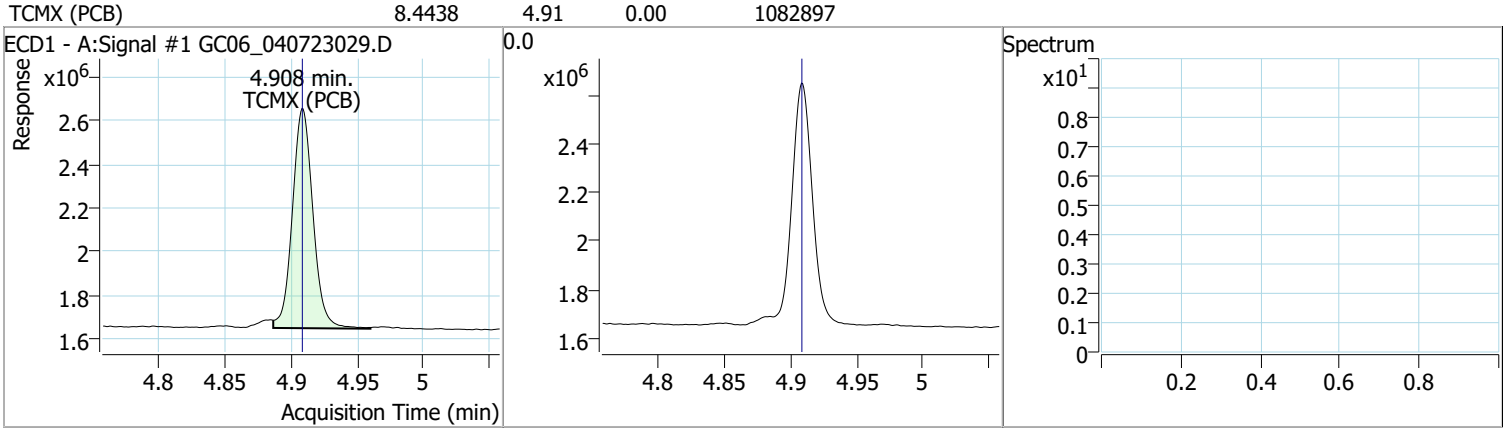


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2510939.547	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.385	0.0	8937035.401	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.908	0.0	1082896.705	8.4438	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.22%		*	
S TCMX (PCB) #2	5.304	0.0	3599724.616	8.1342	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.67%		*	
S Decachlorobiphenyl (PCB)	11.842	0.0	1516042.945	8.5681	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.84%		*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	4298773.015	8.6429	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.21%		*	
Target Compounds							QValue

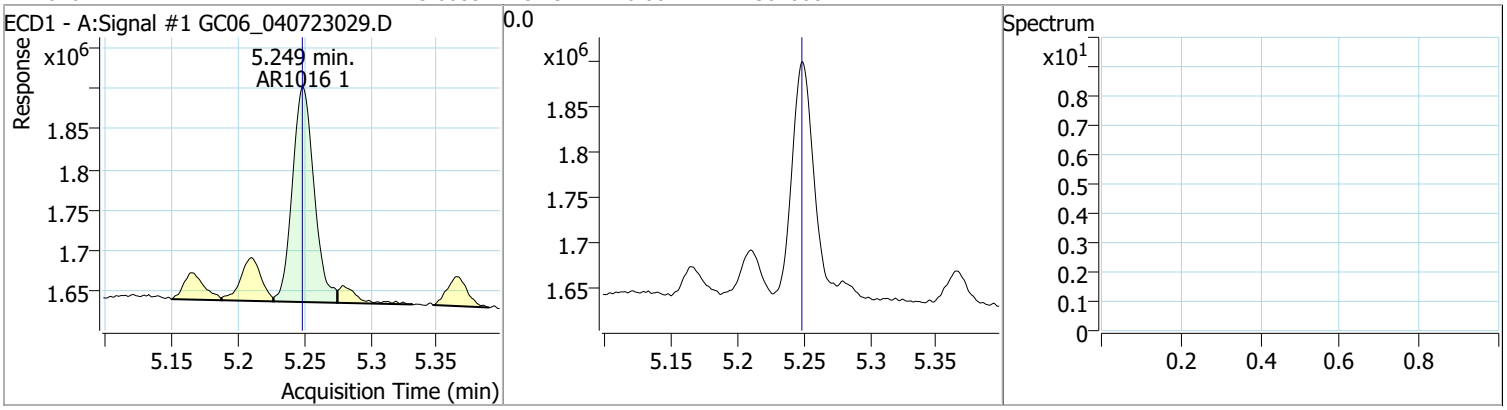
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	302067.565	115.6685	ng/ml	100
T AR1016 2	5.578	0.0	692099.592	105.8039	ng/ml	100
T AR1016 1 #2	5.787	0.0	1004062.311	109.3009	ng/ml	100
T AR1016 3	6.035	0.0	783552.611	102.4717	ng/ml	100
T AR1016 4	6.169	0.0	580241.328	113.2234	ng/ml	100
T AR1016 2 #2	6.207	0.0	2122266.299	109.5518	ng/ml	100
T AR1016 5	6.355	0.0	349771.518	116.3708	ng/ml	100
T AR1016 3 #2	6.747	0.0	2646116.794	107.6532	ng/ml	100
T AR1016 4 #2	6.920	0.0	1878319.985	106.2220	ng/ml	100
T AR1016 5 #2	7.602	0.0	1524612.777	104.7030	ng/ml	100
T AR1260 1	8.430	0.0	984573.949	117.6833	ng/ml	100
T AR1260 2	8.965	0.0	1500854.197	118.6945	ng/ml	100
T AR1260 3	9.432	0.0	1523772.594	119.9018	ng/ml	100
T AR1260 1 #2	9.809	0.0	2898276.996	113.6687	ng/ml	100
T AR1260 4	9.942	0.0	880472.993	111.9419	ng/ml	100
T AR1260 2 #2	10.079	0.0	3501373.304	110.9982	ng/ml	100
T AR1260 5	10.331	0.0	1839895.043	108.3473	ng/ml	100
T AR1260 3 #2	10.517	0.0	4181011.643	107.6439	ng/ml	100
T AR1260 4 #2	10.938	0.0	2519370.538	110.5612	ng/ml	100
T AR1260 5 #2	11.594	0.0	4000789.497	108.1398	ng/ml	100

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

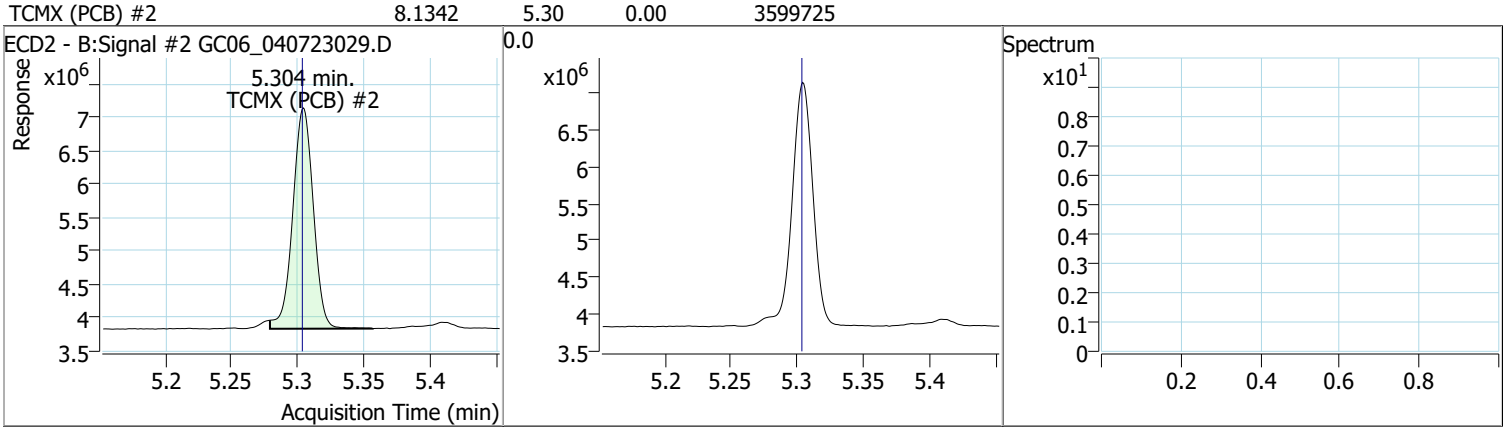
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.4438	4.91	0.00	1082897				



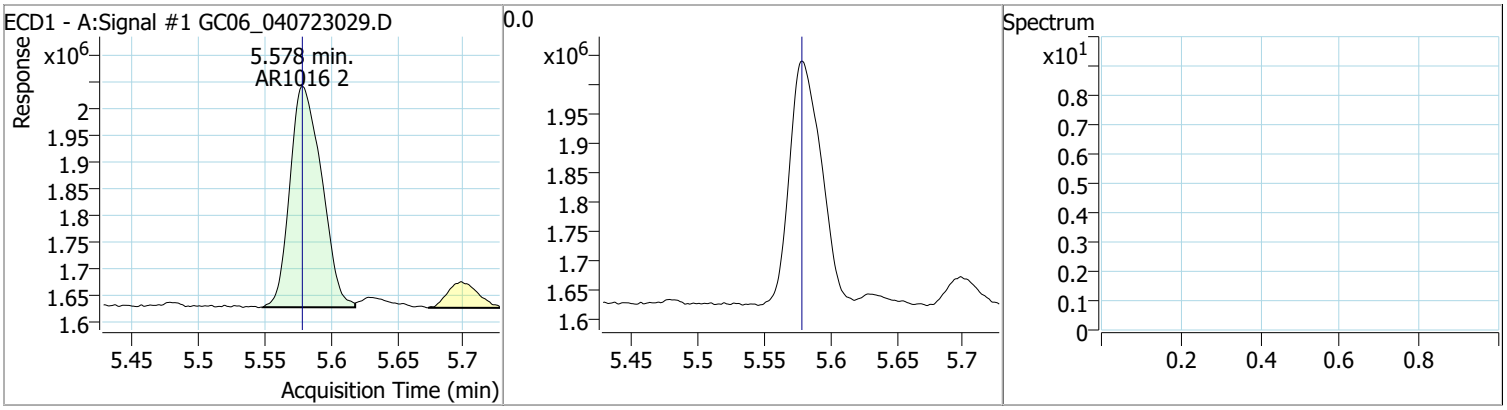
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	115.6685	5.25	0.00	302068				



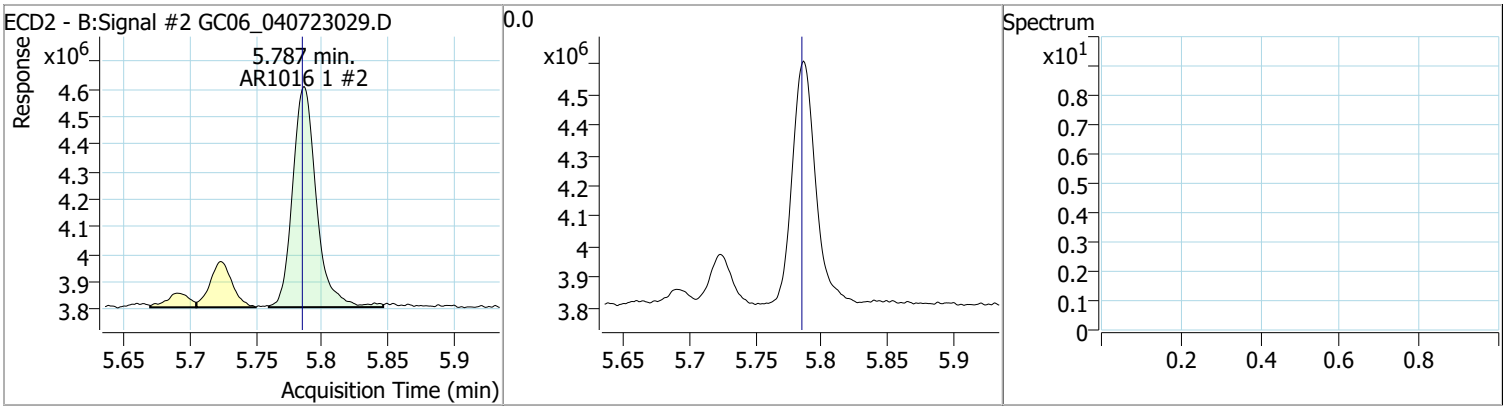
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1342	5.30	0.00	3599725				



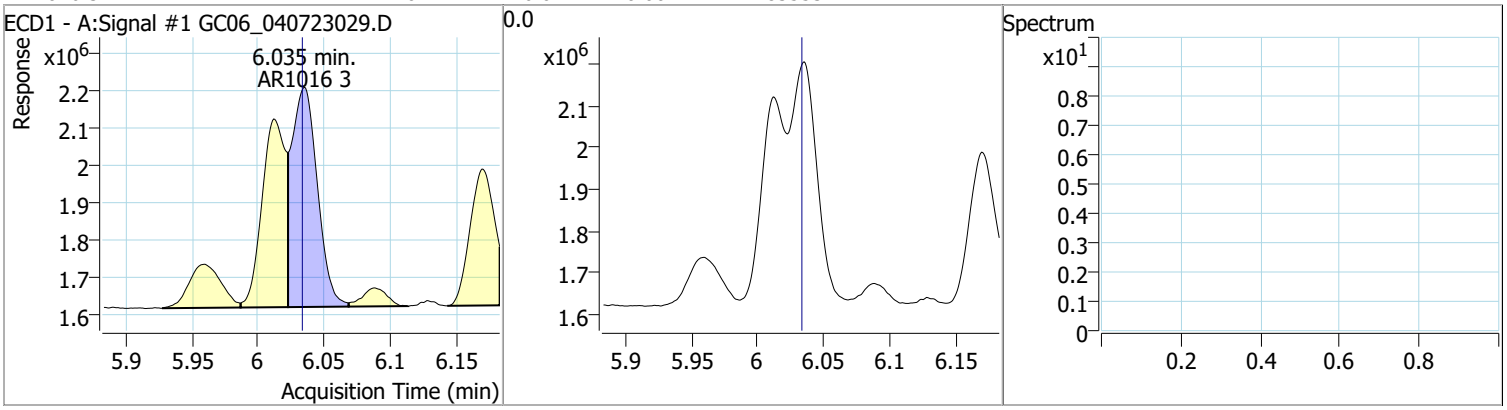
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.8039	5.58	0.00	692100				



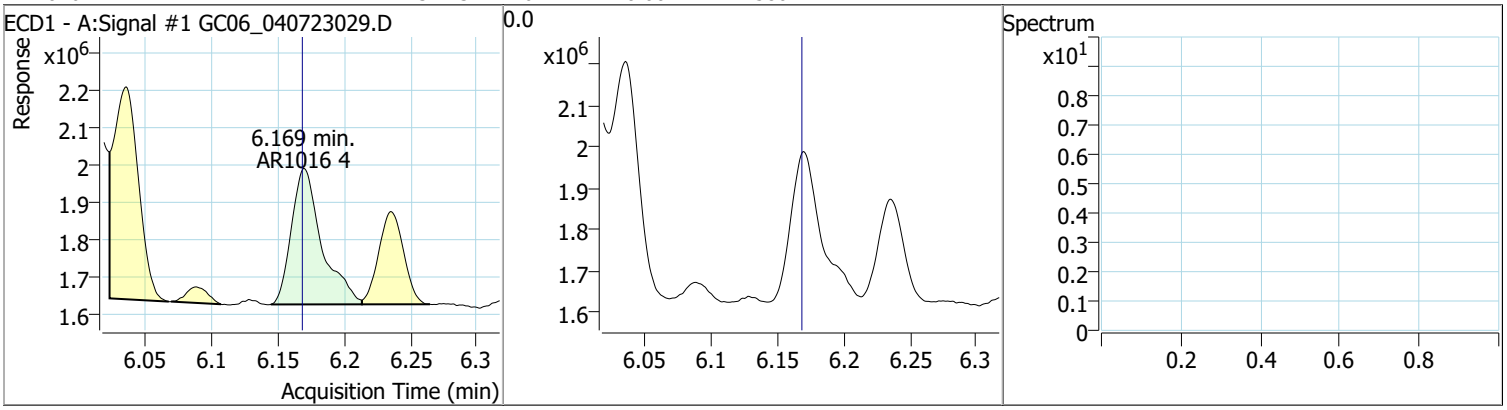
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	109.3009	5.79	0.00	1004062				



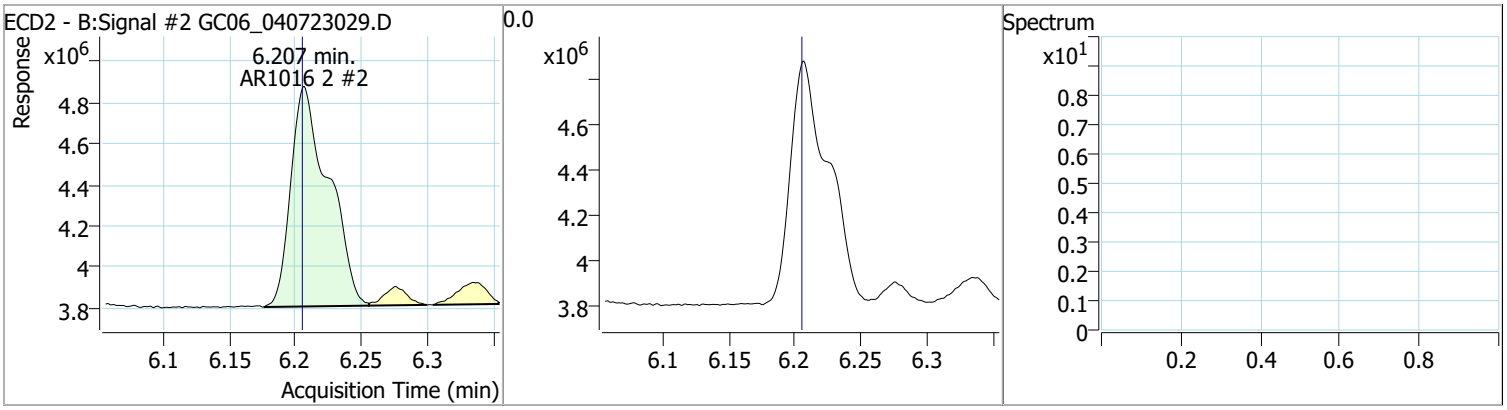
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	102.4717	6.04	0.00	783553				



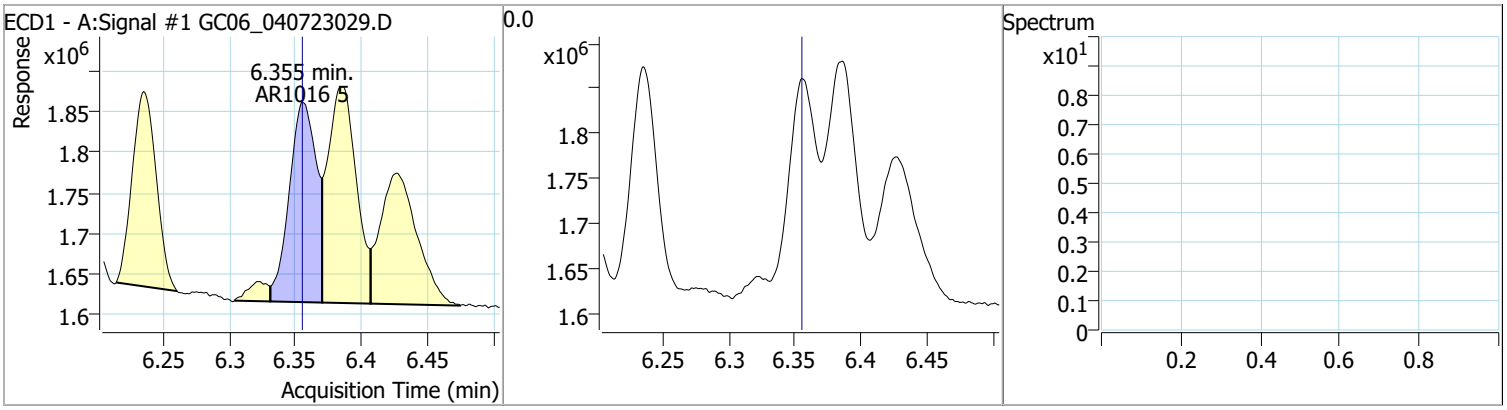
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	113.2234	6.17	0.00	580241				



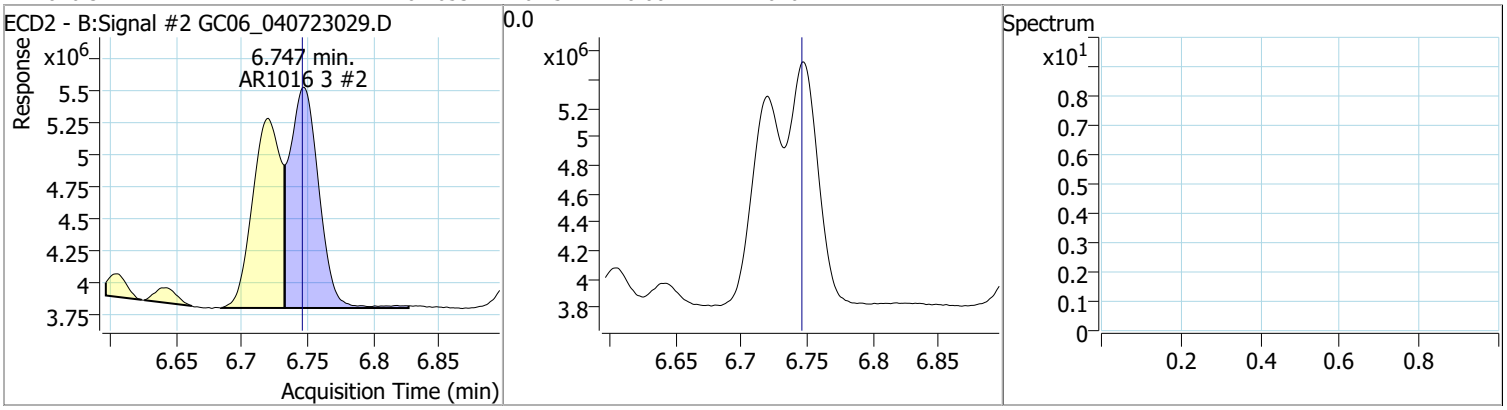
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	109.5518	6.21	0.00	2122266				



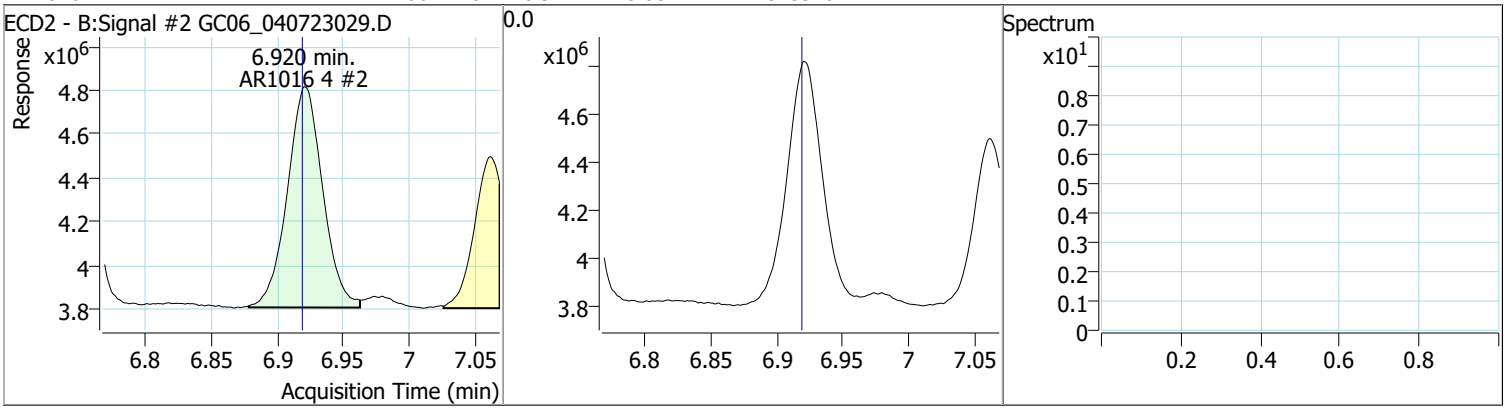
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	116.3708	6.36	0.00	349772				



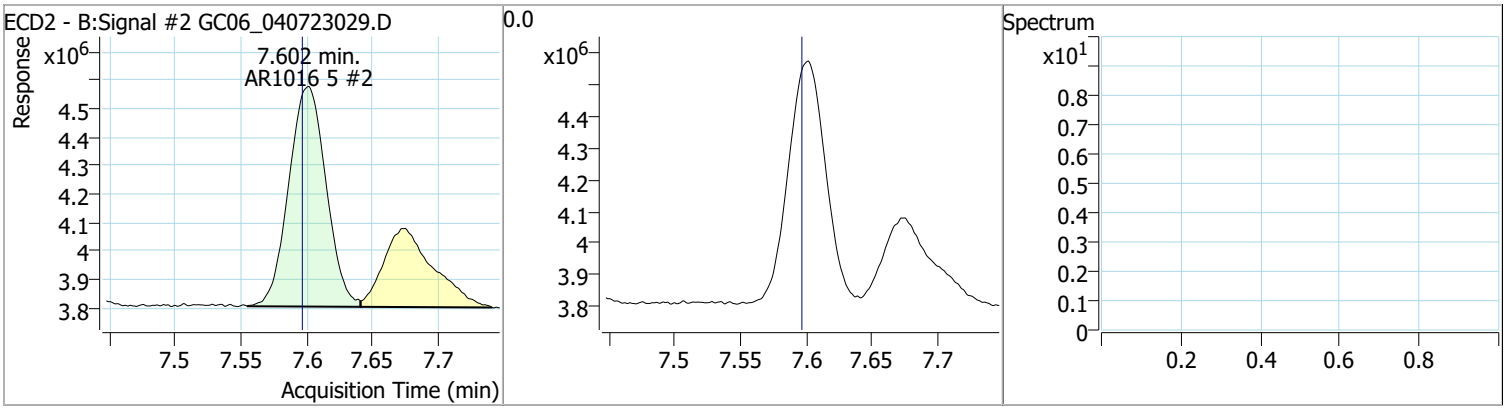
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	107.6532	6.75	0.00	2646117				



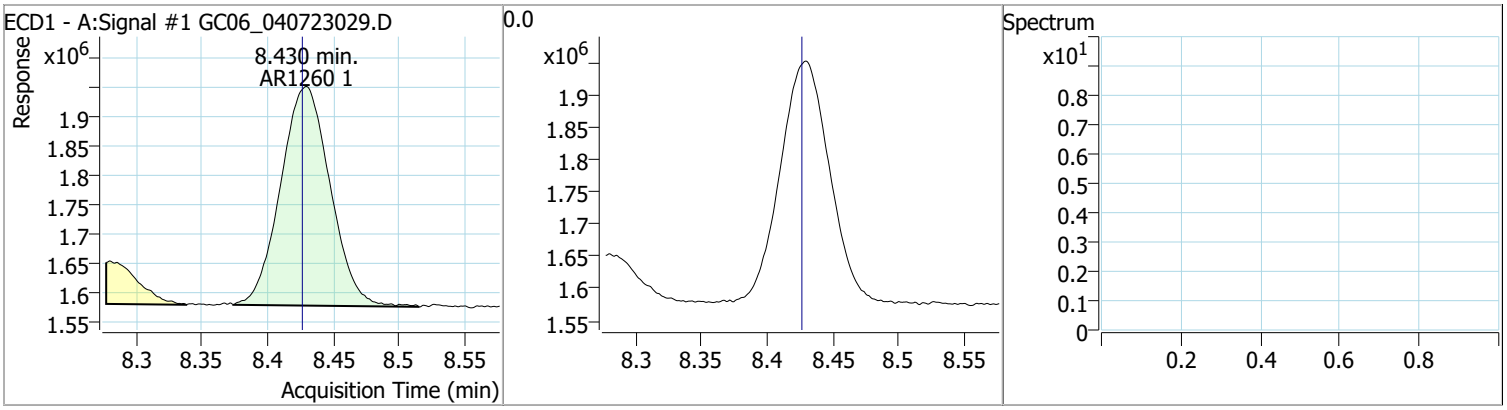
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.2220	6.92	0.00	1878320				



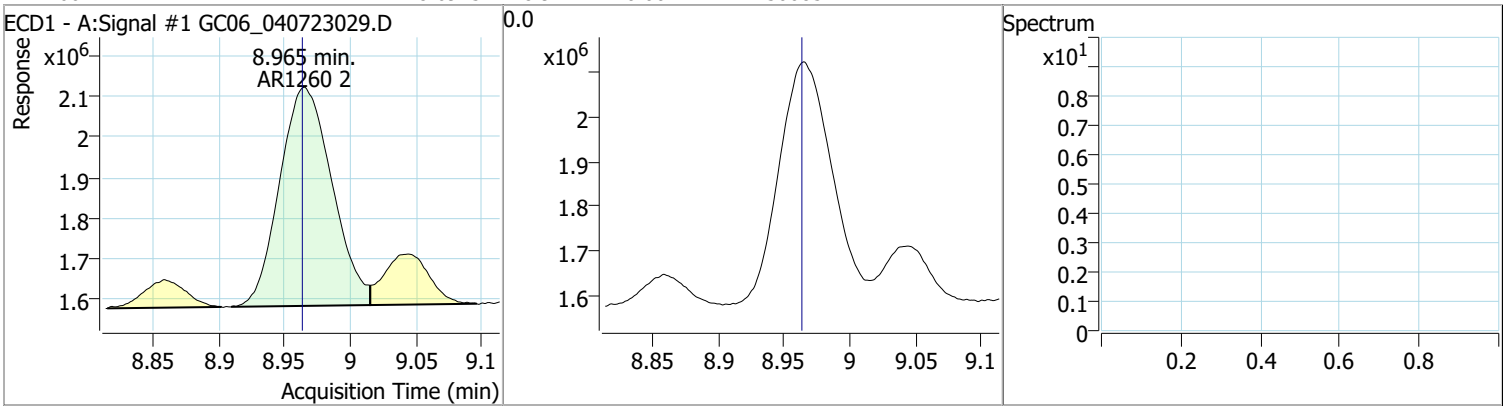
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7030	7.60	0.00	1524613				



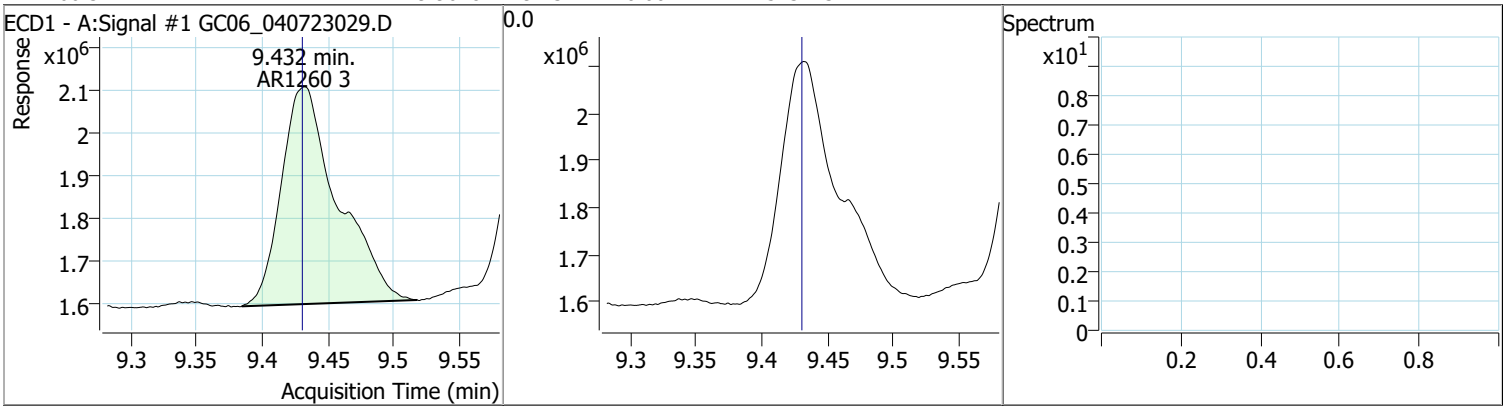
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	117.6833	8.43	0.00	984574				



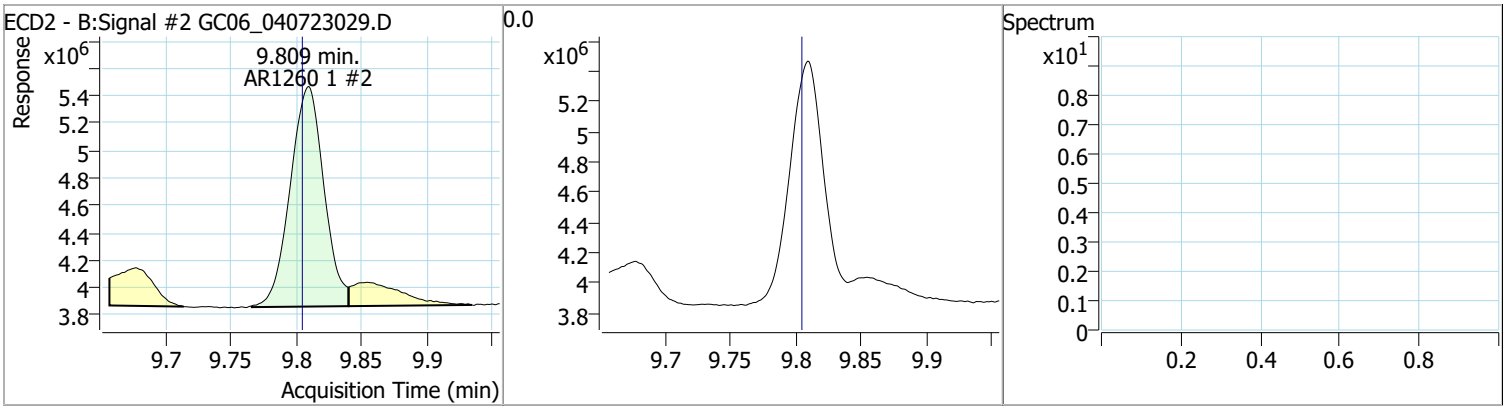
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	118.6945	8.97	0.00	1500854				



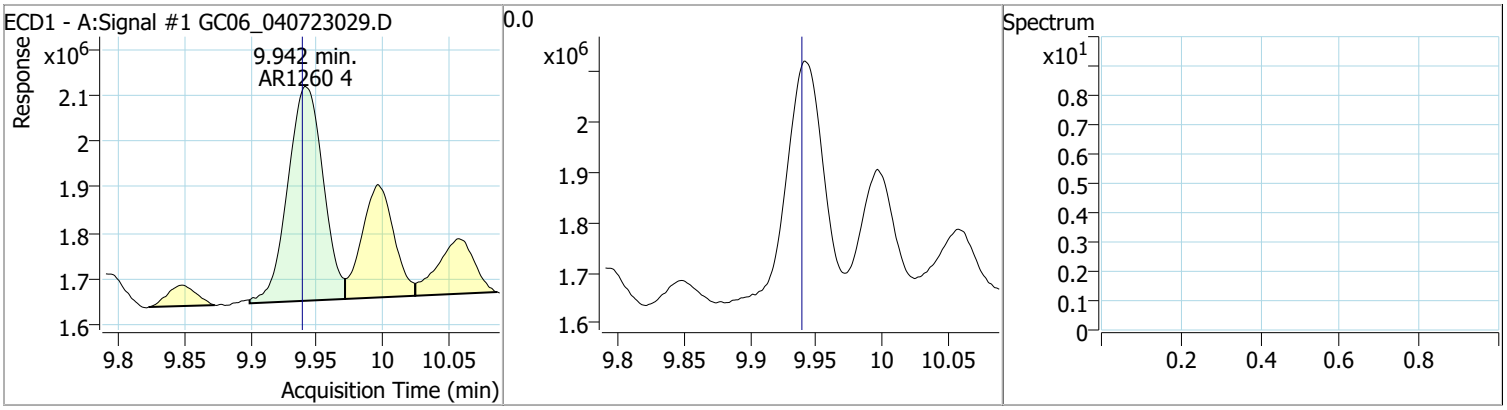
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	119.9018	9.43	0.00	1523773				



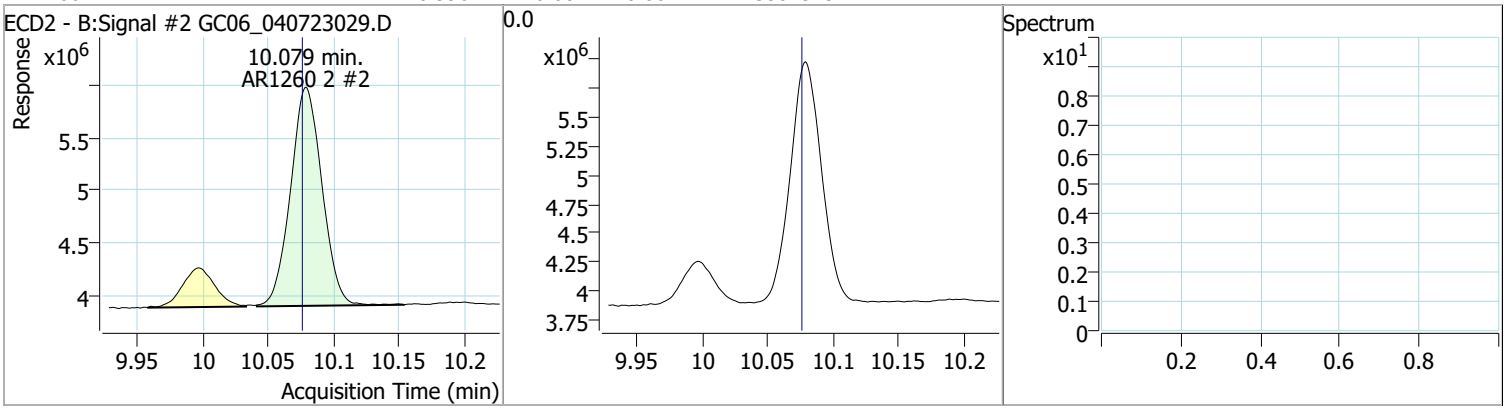
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.6687	9.81	0.00	2898277				



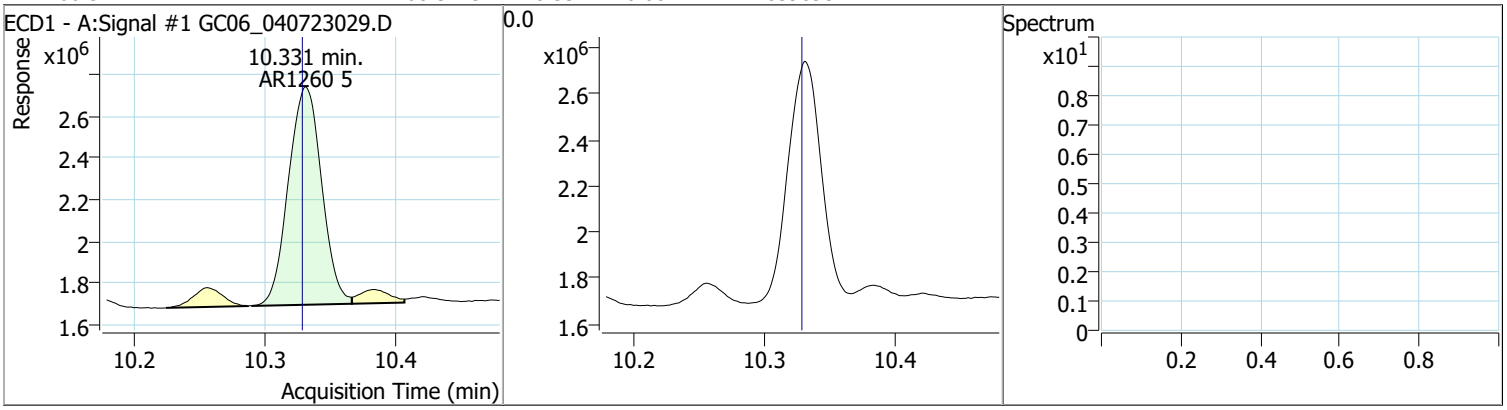
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	111.9419	9.94	0.00	880473				



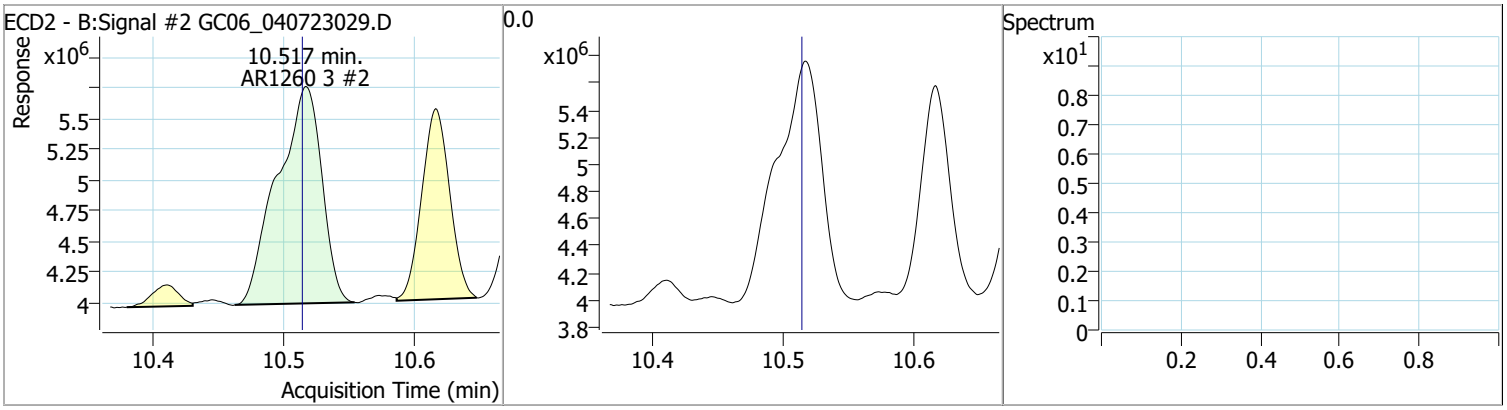
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	110.9982	10.08	0.00	3501373				



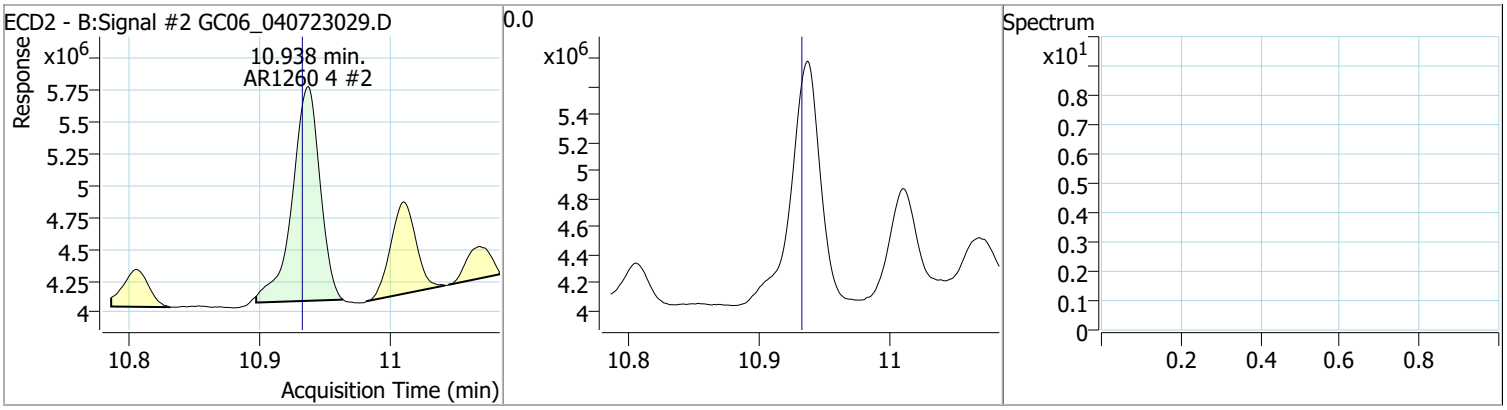
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	108.3473	10.33	0.00	1839895				



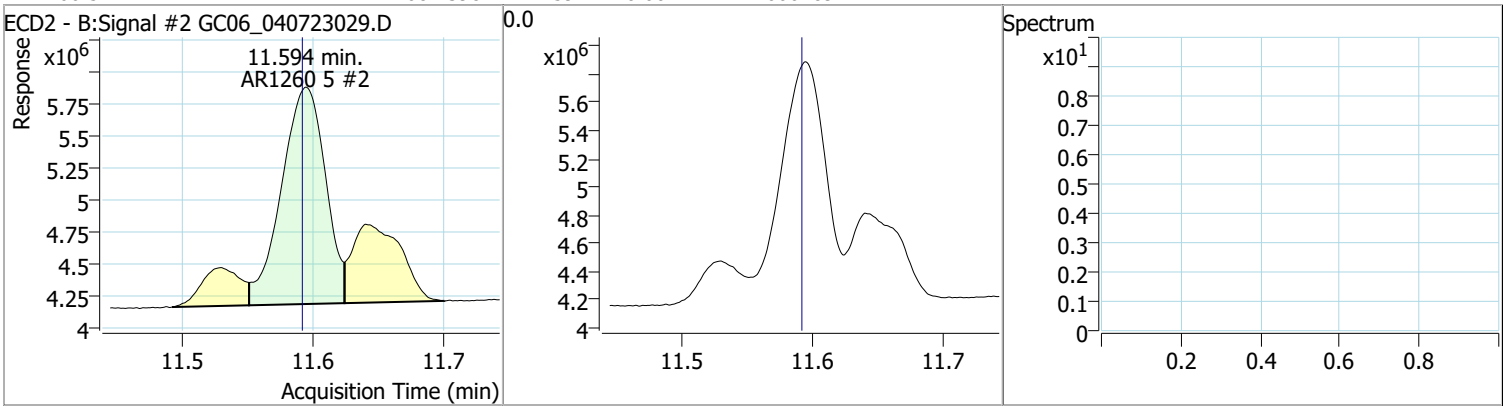
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	107.6439	10.52	0.00	4181012				



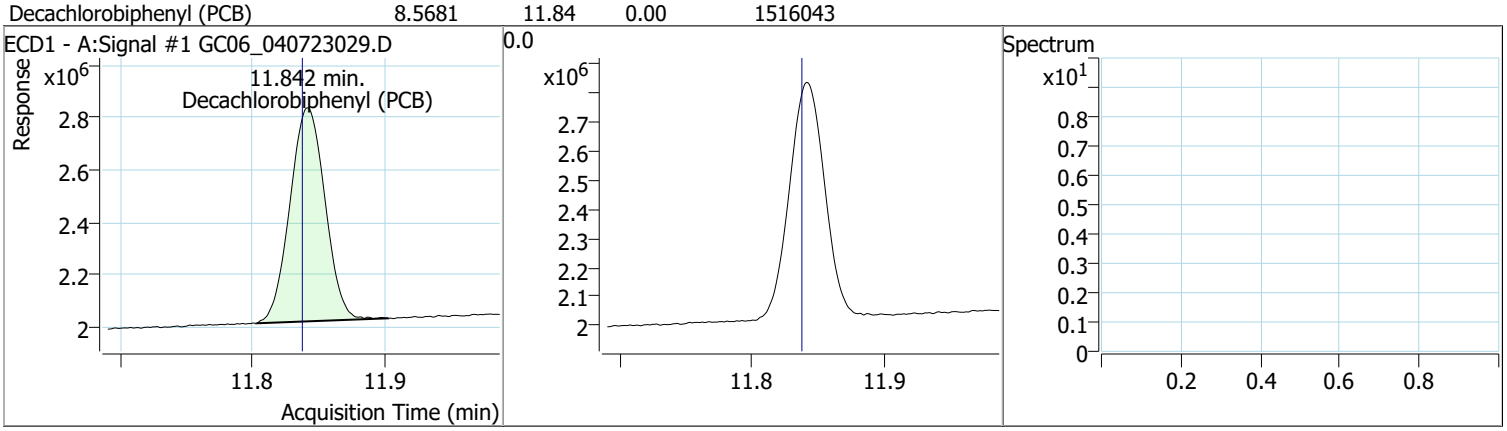
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	110.5612	10.94	0.00	2519371				



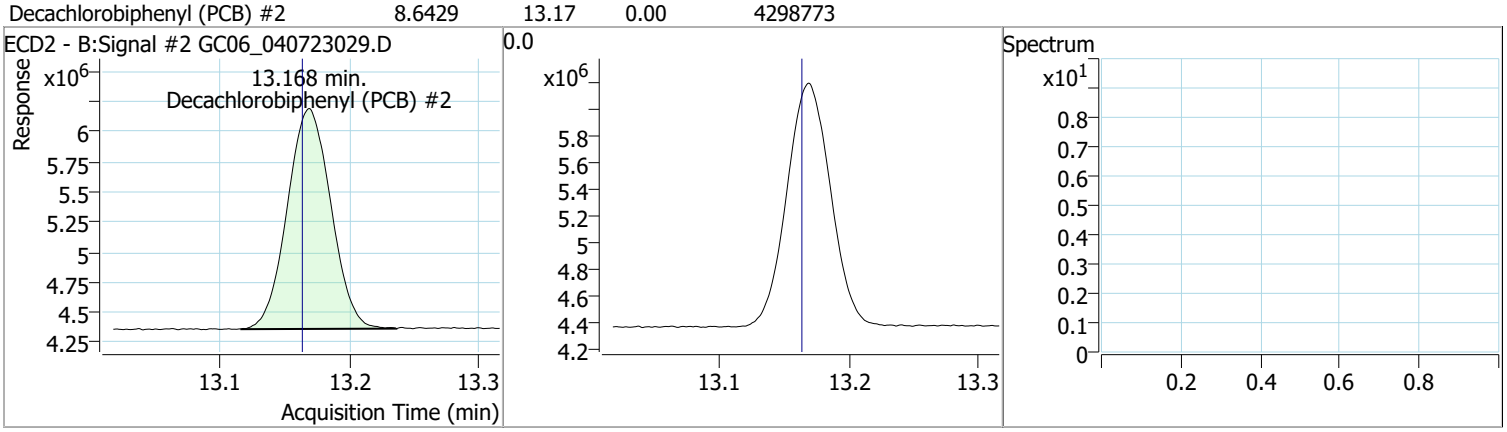
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.1398	11.59	0.00	4000789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.5681	11.84	0.00	1516043				

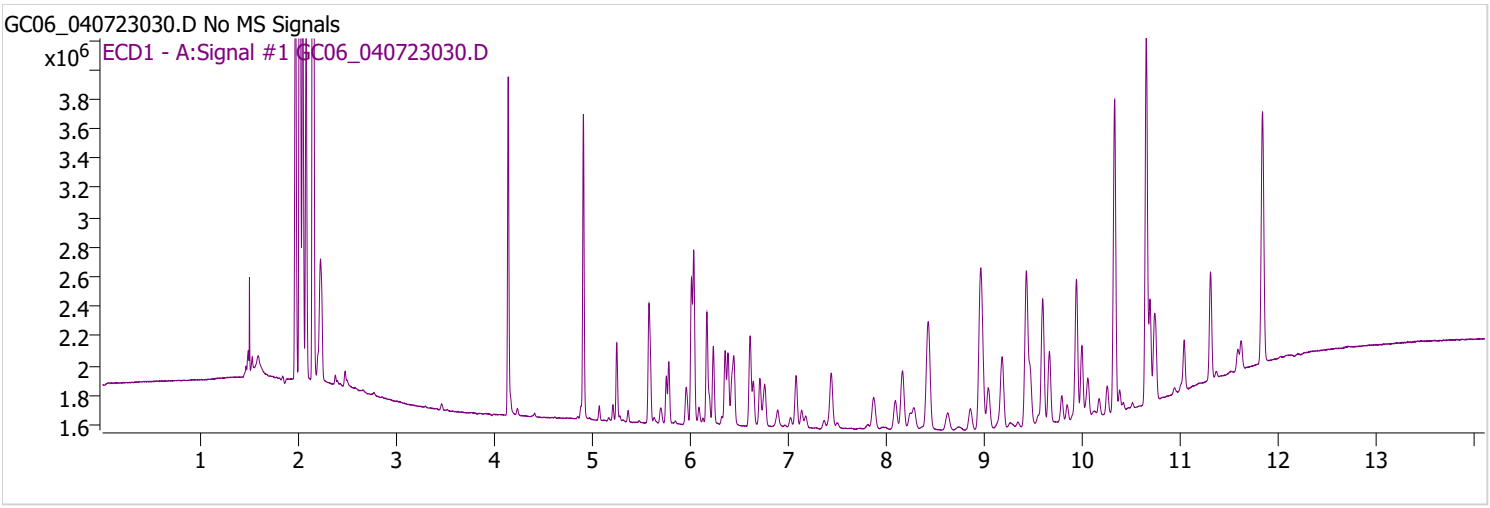


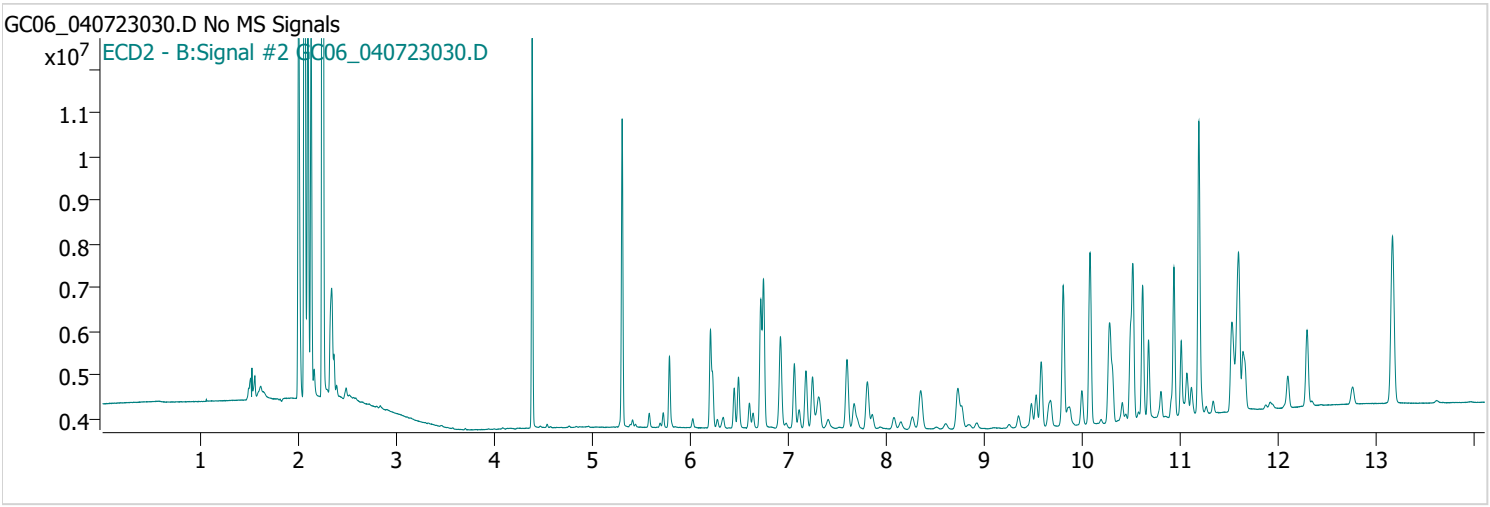
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.6429	13.17	0.00	4298773				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723030.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 11:43:26 PM
Sample Name	ICAL, S18183	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



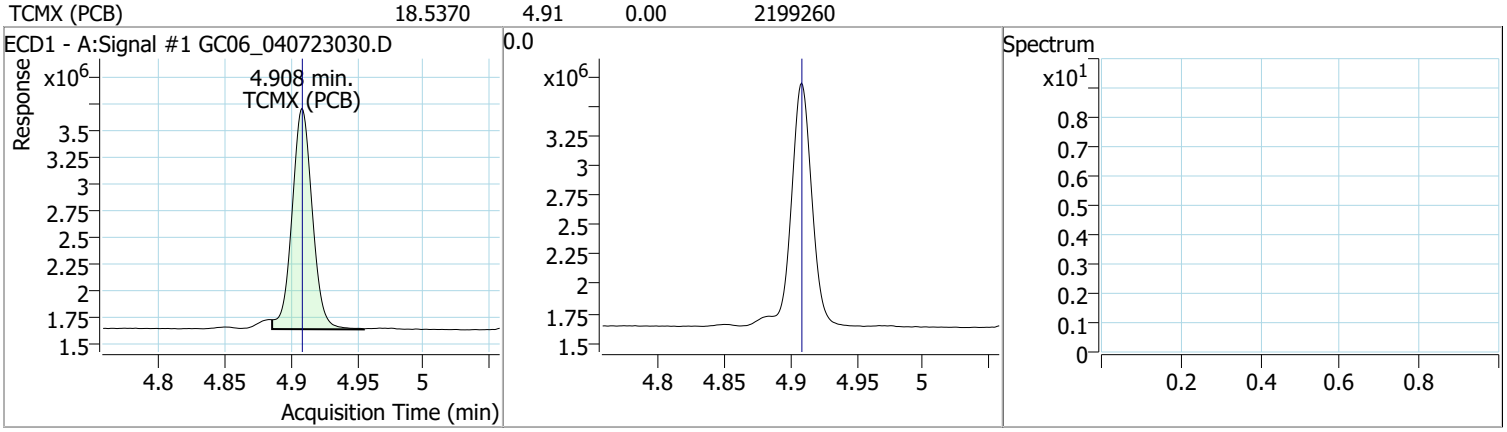


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2322876.533	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8039022.452	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.908	0.0	2199260.463	18.5370	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.69%		
S TCMX (PCB) #2	5.304	0.0	7621302.122	19.1453	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.73%		
S Decachlorobiphenyl (PCB)	11.841	0.0	3200732.675	19.5538	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.77%		
S Decachlorobiphenyl (PCB) #2	13.168	0.0	9075723.255	20.2856	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.43%		
Target Compounds						QValue

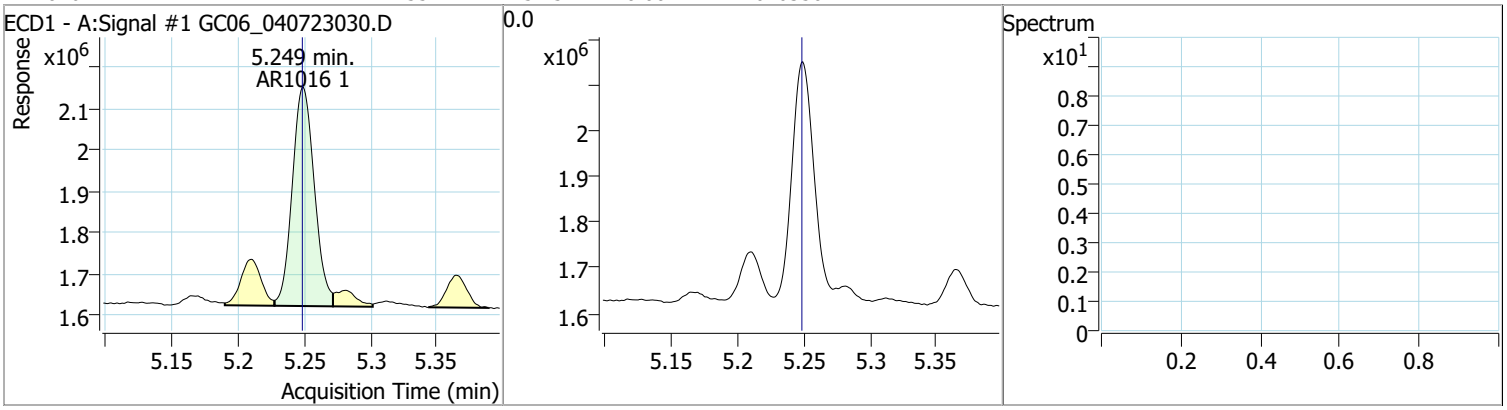
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	616350.062	255.1224	ng/ml	100
T AR1016 2	5.578	0.0	1345292.948	260.7368	ng/ml	100
T AR1016 1 #2	5.787	0.0	2049966.247	248.0846	ng/ml	100
T AR1016 3	6.034	0.0	1603513.187	258.9257	ng/ml	100
T AR1016 4	6.169	0.0	1206633.919	254.5150	ng/ml	100
T AR1016 2 #2	6.206	0.0	4380827.380	251.4004	ng/ml	100
T AR1016 5	6.355	0.0	727395.919	261.6017	ng/ml	100
T AR1016 3 #2	6.747	0.0	5405418.109	244.4768	ng/ml	100
T AR1016 4 #2	6.919	0.0	3897405.170	245.0253	ng/ml	100
T AR1016 5 #2	7.599	0.0	3152775.385	240.7037	ng/ml	100
T AR1260 1	8.428	0.0	1973790.623	255.0220	ng/ml	100
T AR1260 2	8.965	0.0	3078491.653	263.1723	ng/ml	100
T AR1260 3	9.430	0.0	3027293.171	257.4958	ng/ml	100
T AR1260 1 #2	9.806	0.0	5898989.417	257.1989	ng/ml	100
T AR1260 4	9.941	0.0	1793251.085	246.4495	ng/ml	100
T AR1260 2 #2	10.080	0.0	6992811.392	246.4448	ng/ml	100
T AR1260 5	10.332	0.0	3689673.874	234.8676	ng/ml	100
T AR1260 3 #2	10.516	0.0	8594503.884	245.9910	ng/ml	100
T AR1260 4 #2	10.937	0.0	5004270.942	244.1416	ng/ml	100
T AR1260 5 #2	11.595	0.0	8920226.349	268.0440	ng/ml	100

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

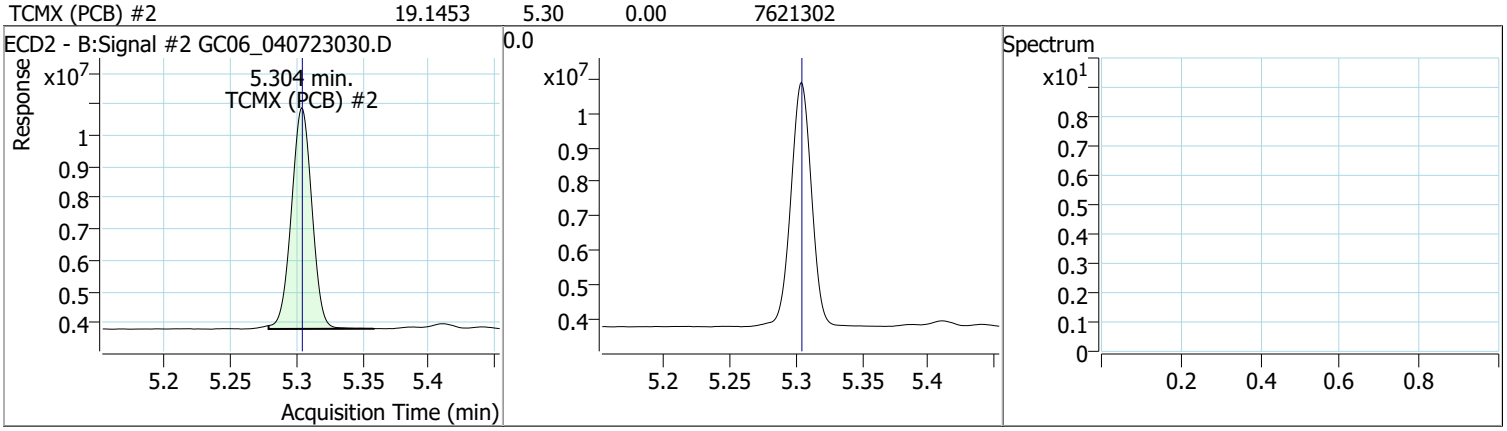
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.5370	4.91	0.00	2199260				



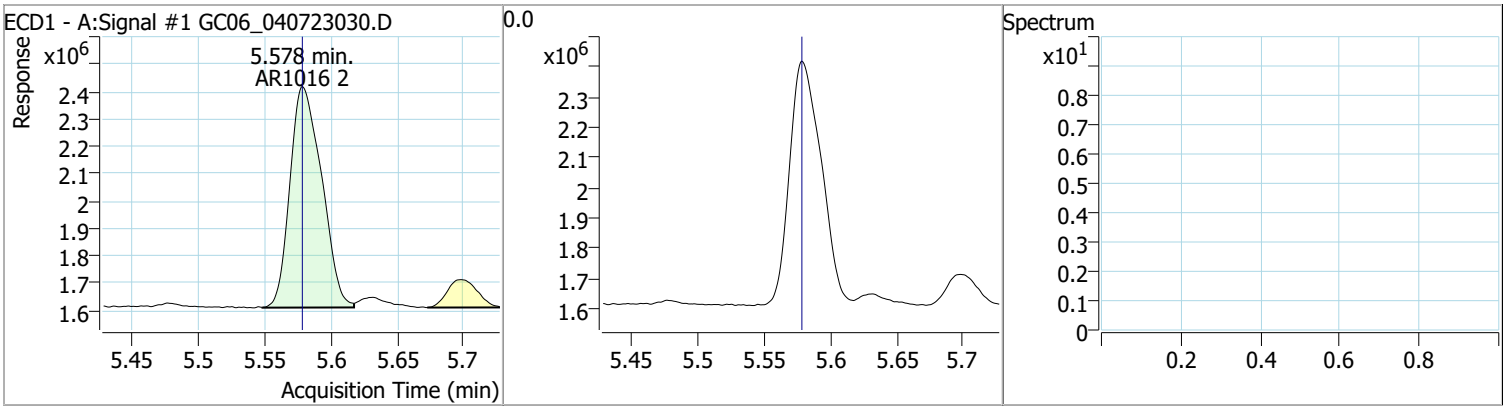
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	255.1224	5.25	0.00	616350				



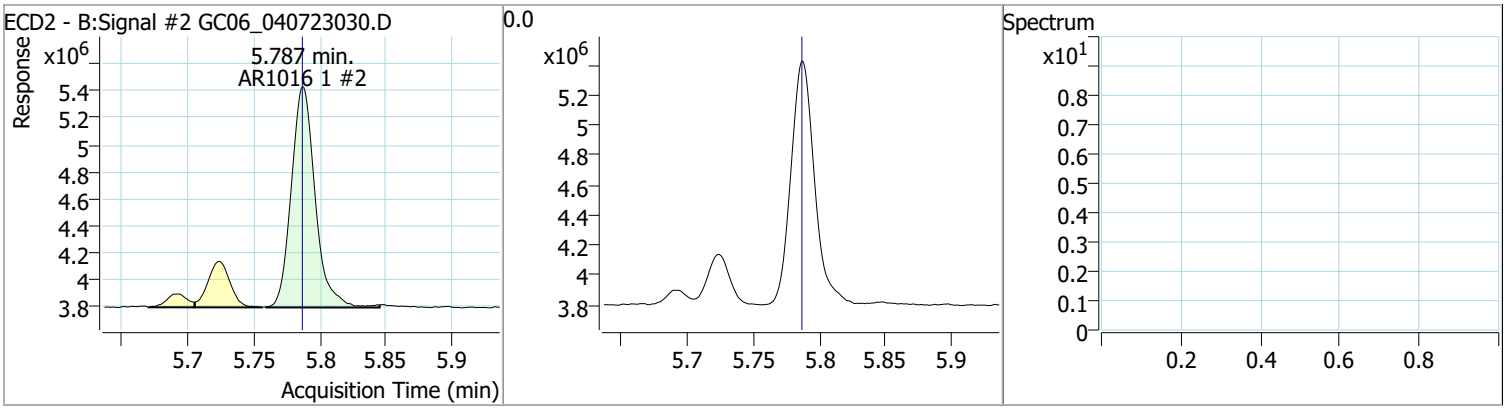
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.1453	5.30	0.00	7621302				



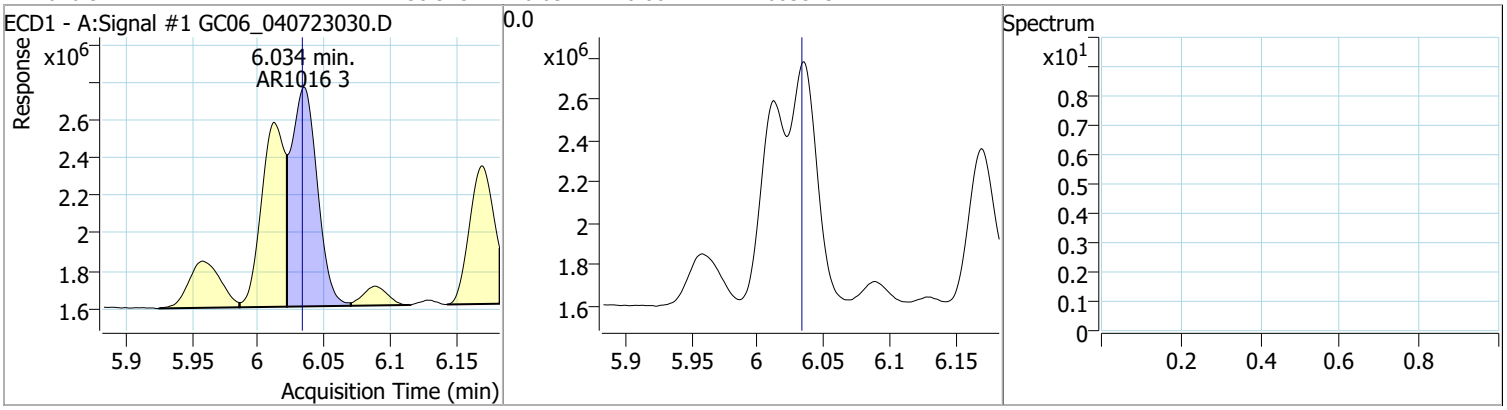
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	260.7368	5.58	0.00	1345293				



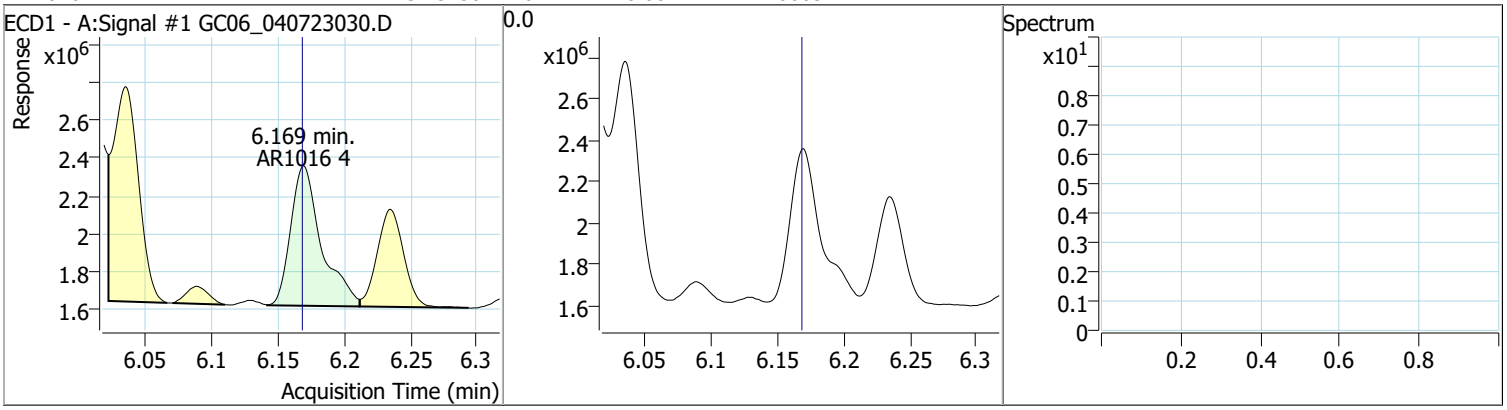
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	248.0846	5.79	0.00	2049966				



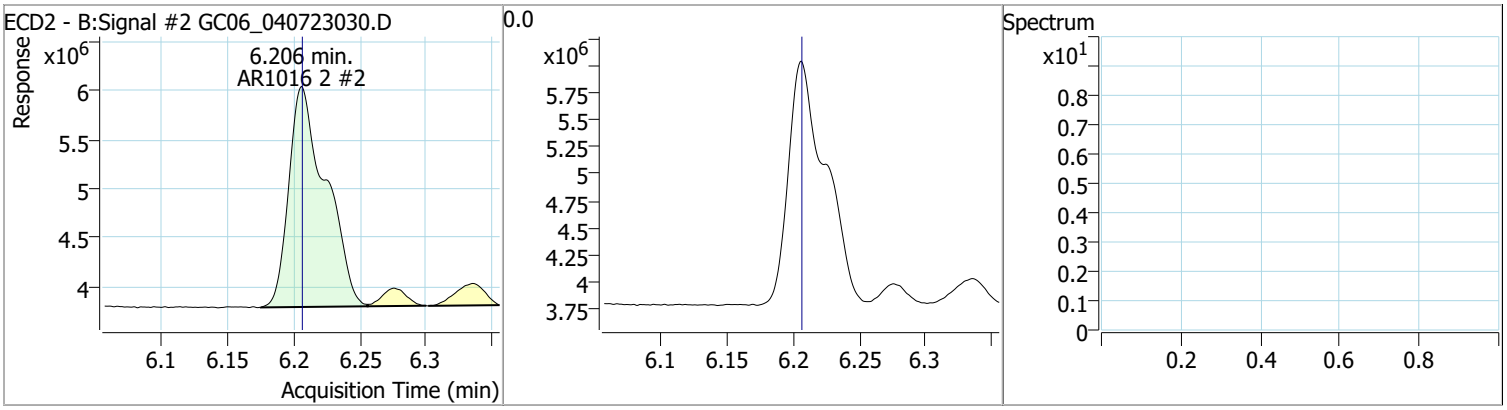
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	258.9257	6.03	0.00	1603513				



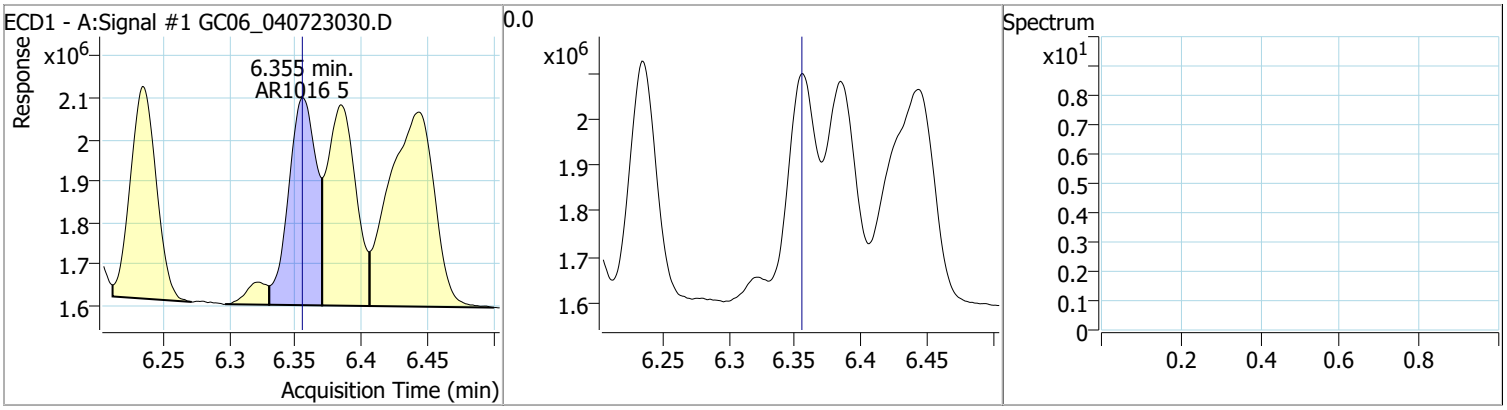
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	254.5150	6.17	0.00	1206634				



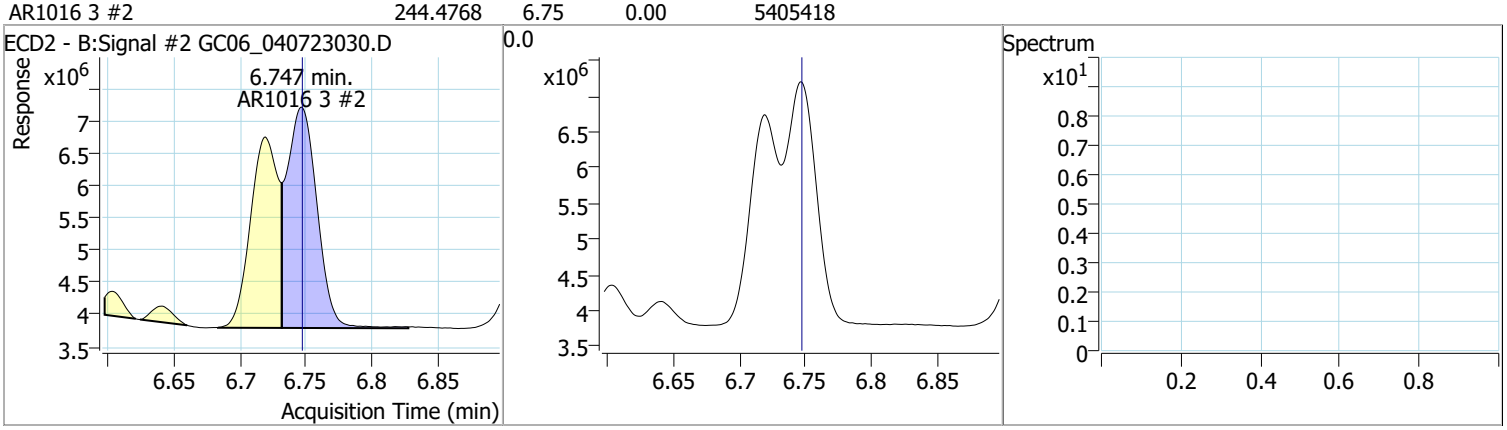
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	251.4004	6.21	0.00	4380827				



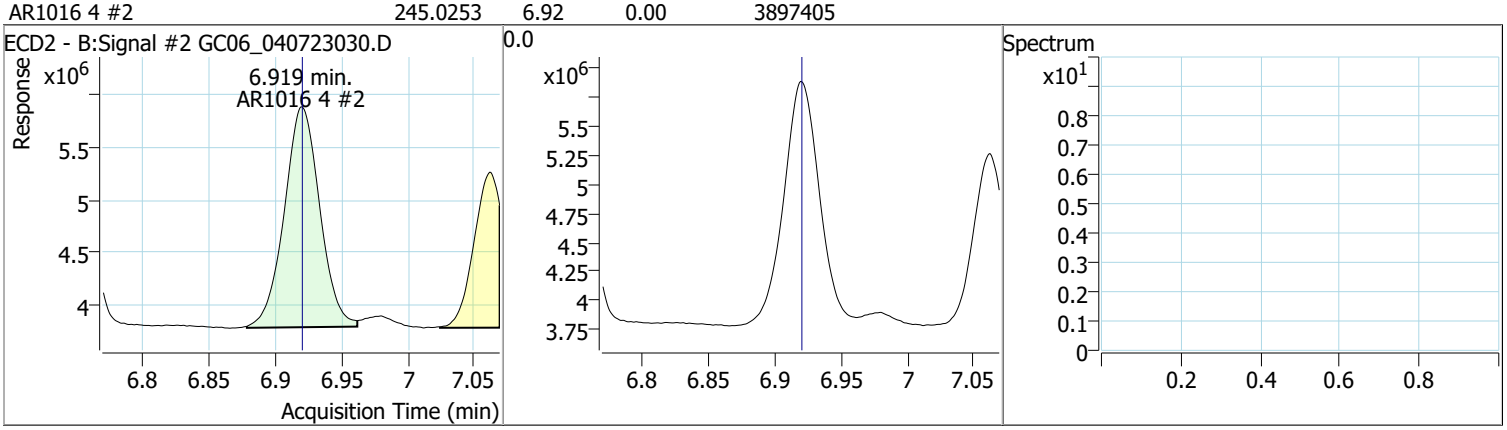
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	261.6017	6.36	0.00	727396				



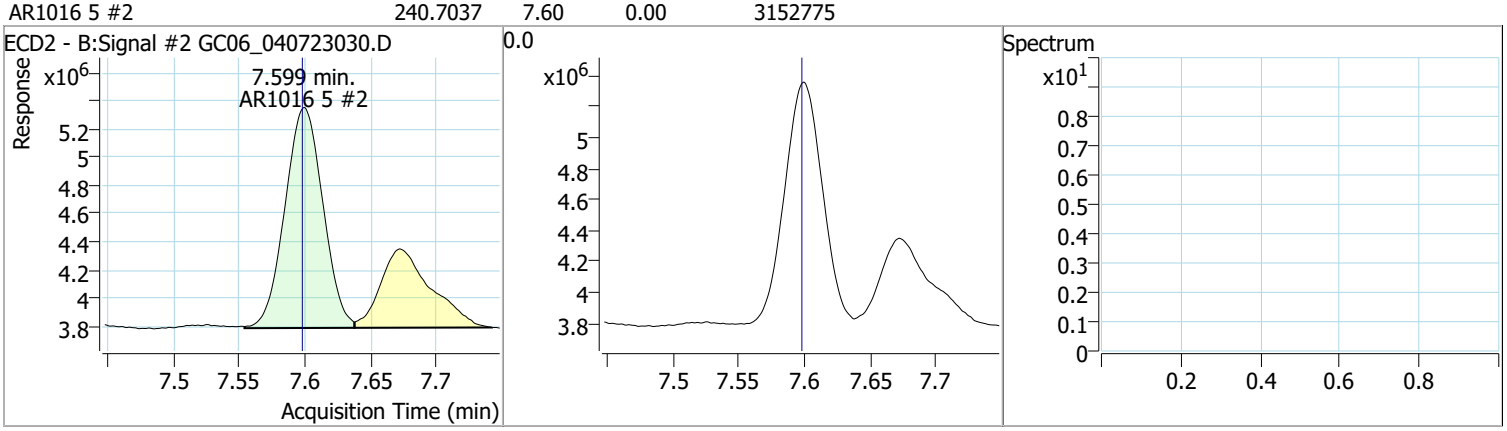
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	244.4768	6.75	0.00	5405418				



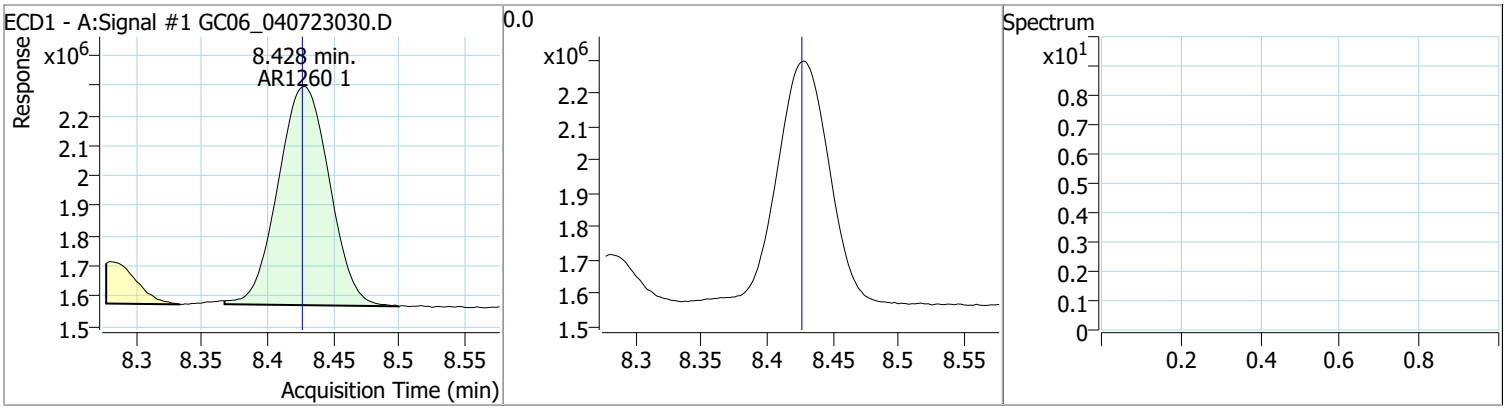
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	245.0253	6.92	0.00	3897405				



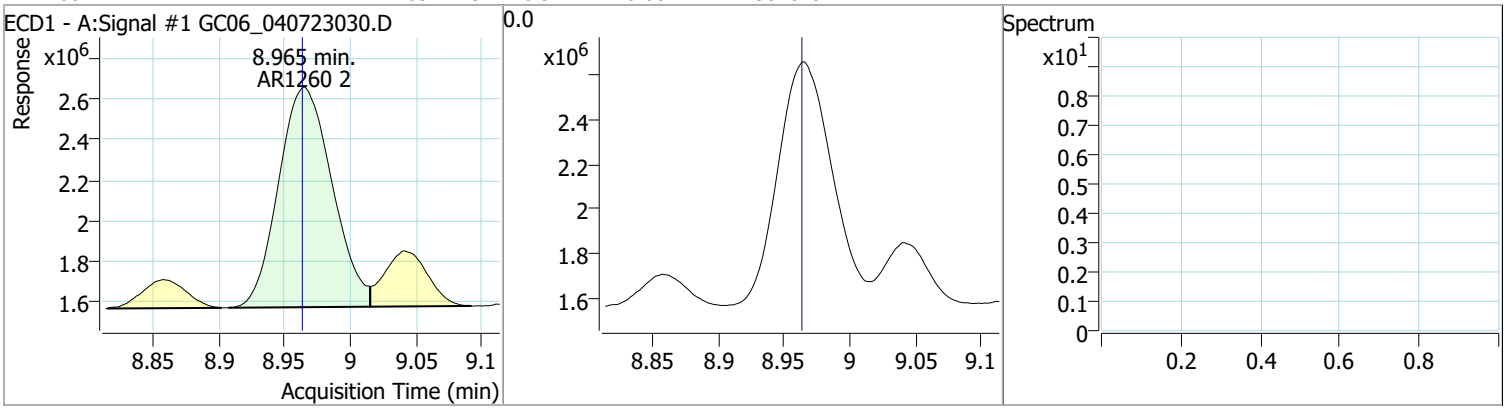
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	240.7037	7.60	0.00	3152775				



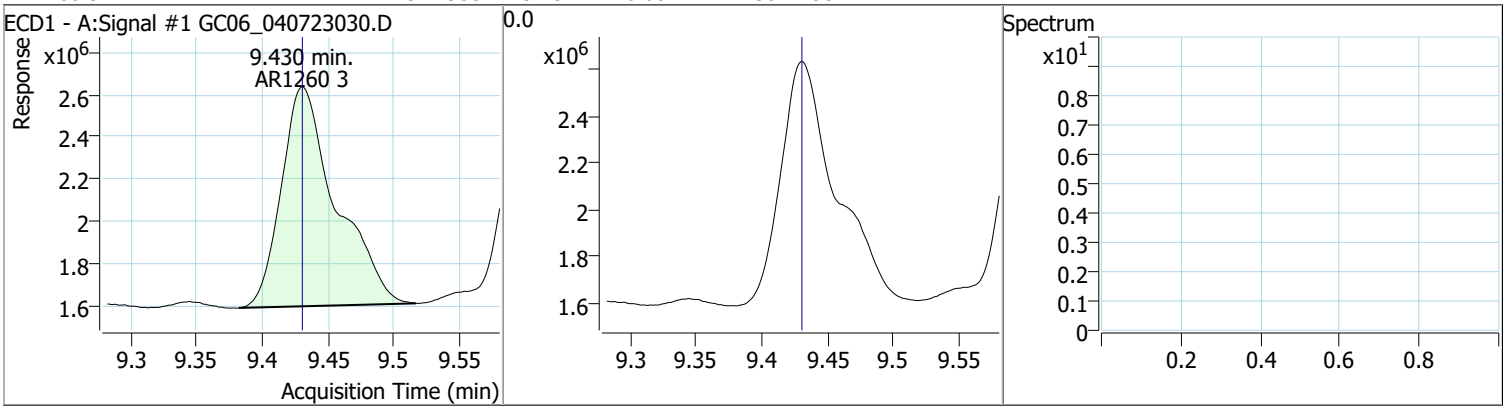
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	255.0220	8.43	0.00	1973791				



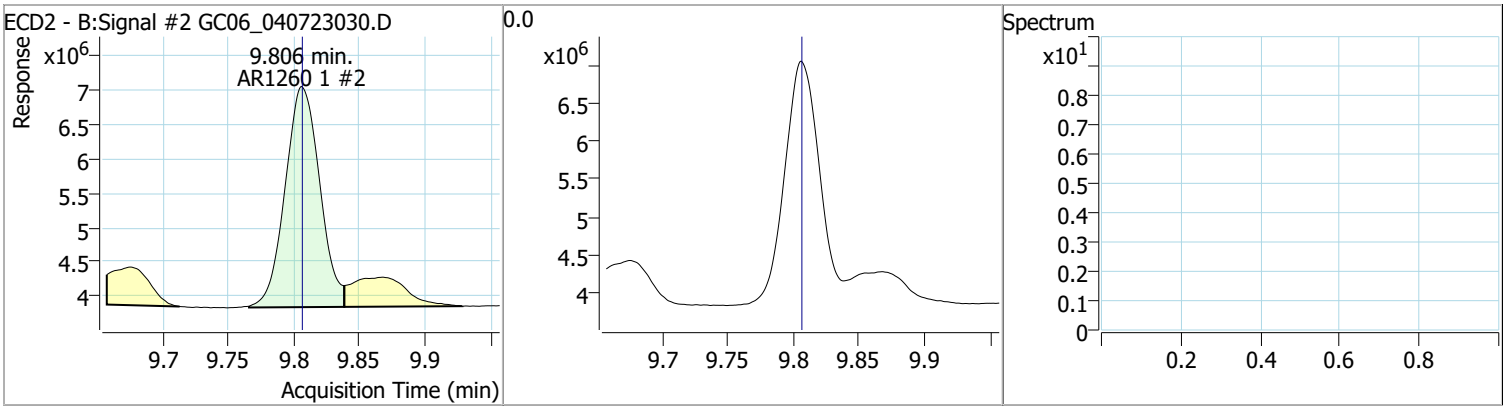
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	263.1723	8.97	0.00	3078492				



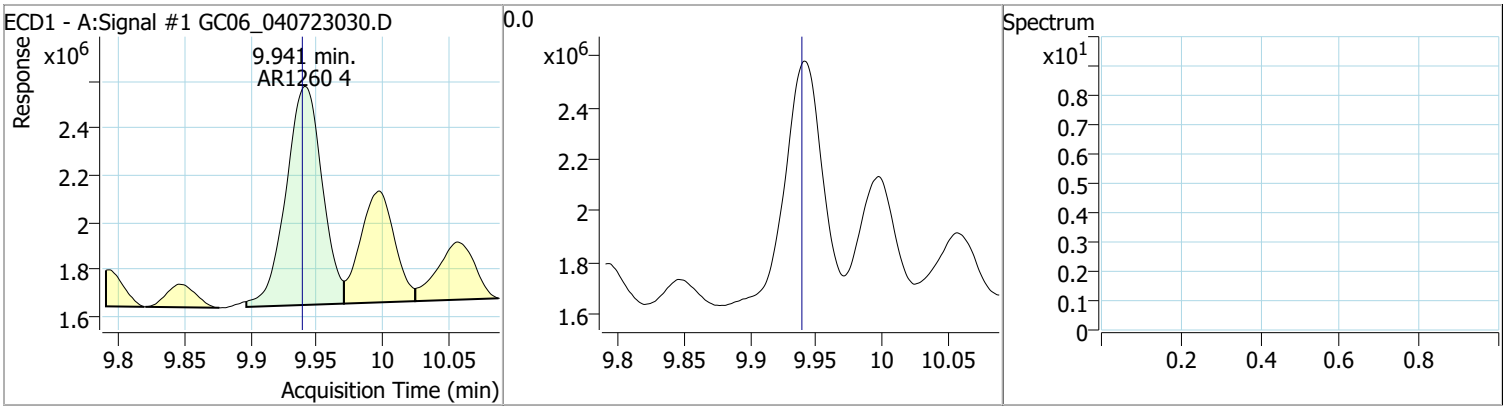
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	257.4958	9.43	0.00	3027293				



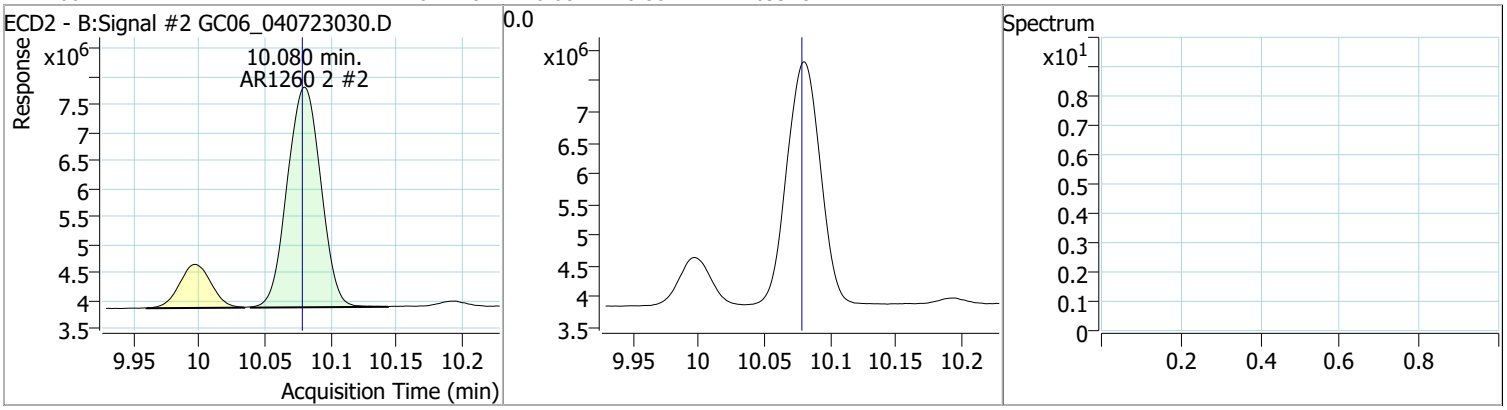
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	257.1989	9.81	0.00	5898989				



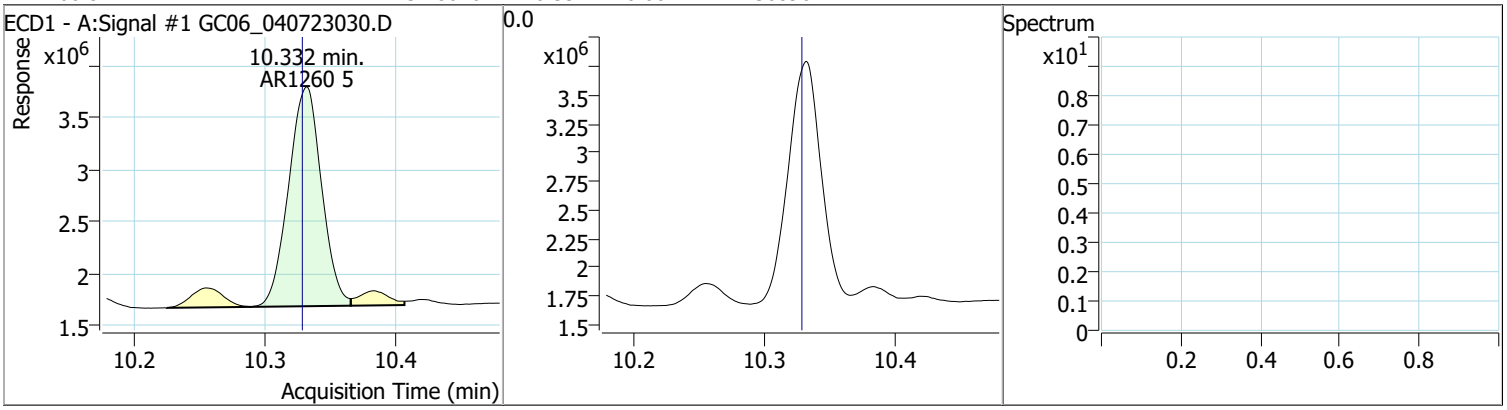
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	246.4495	9.94	0.00	1793251				



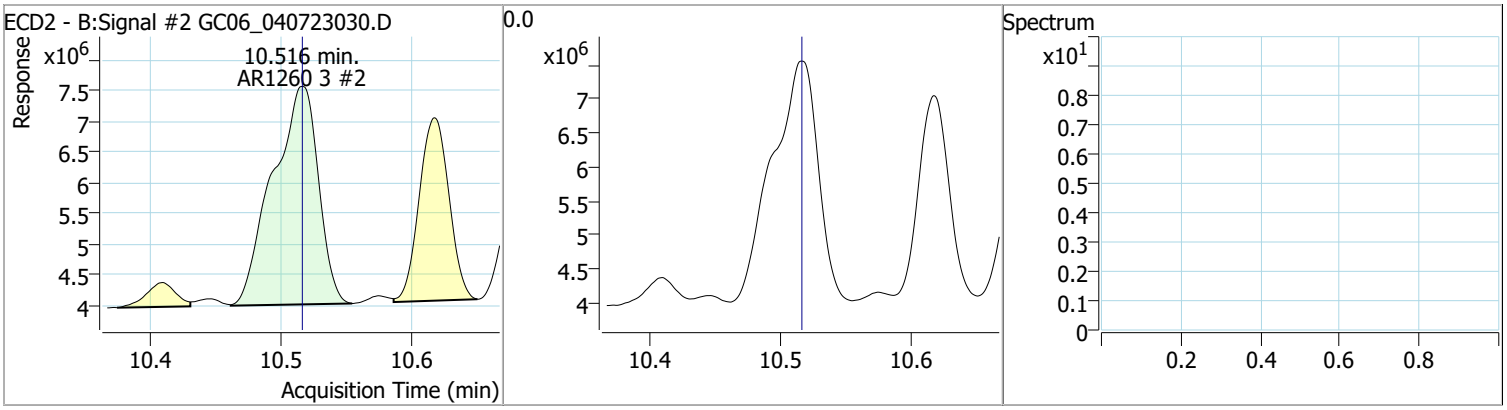
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	246.4448	10.08	0.00	6992811				



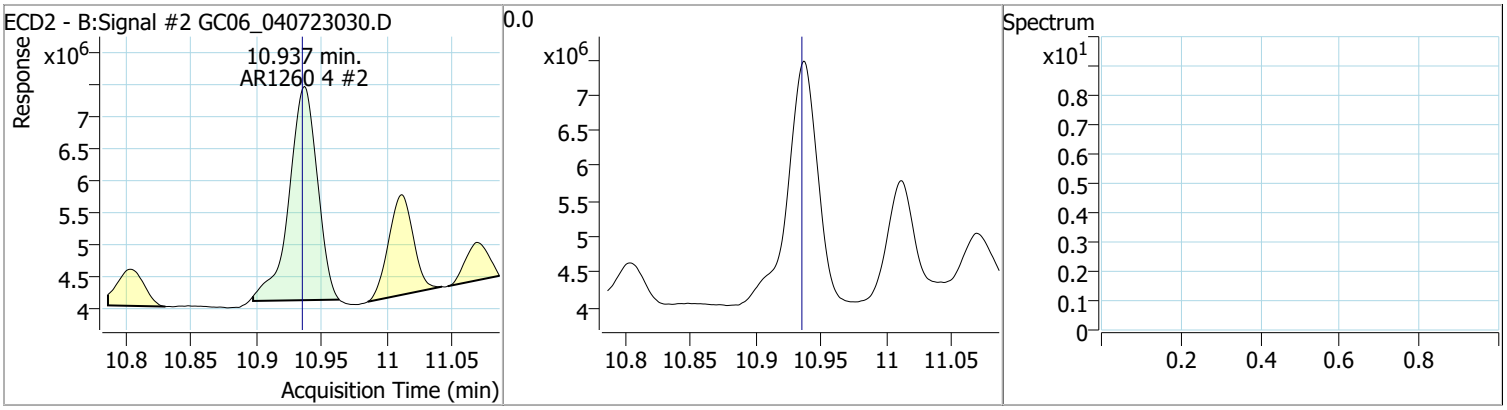
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	234.8676	10.33	0.00	3689674				



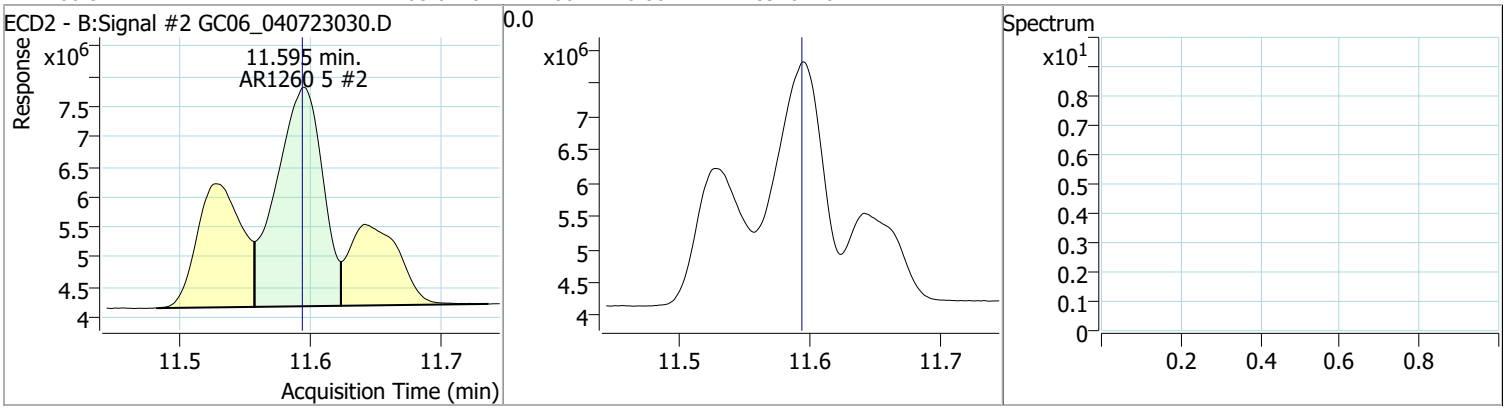
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	245.9910	10.52	0.00	8594504				



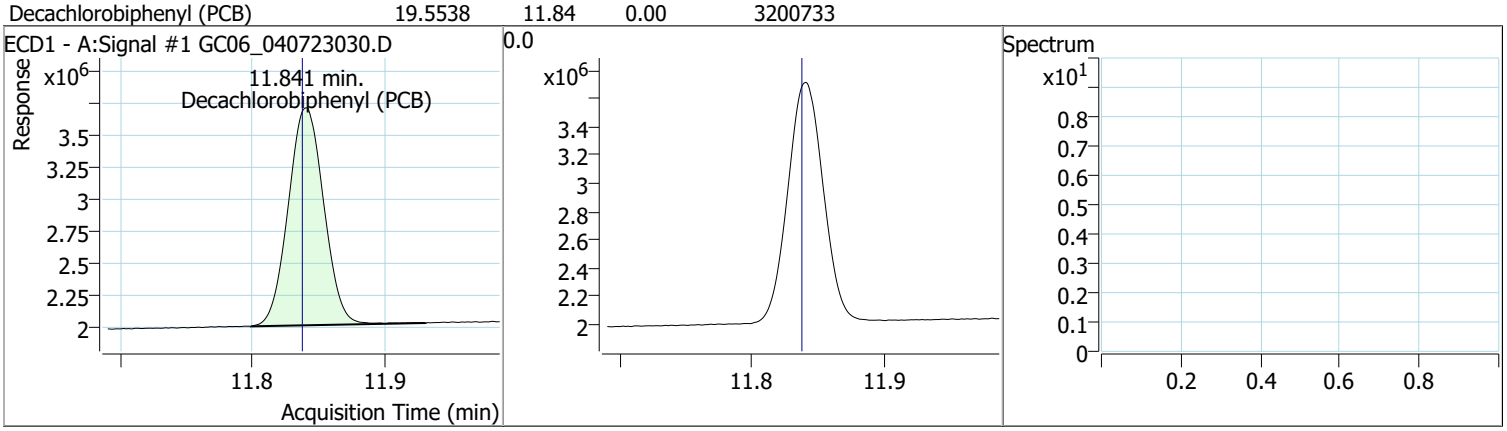
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	244.1416	10.94	0.00	5004271				



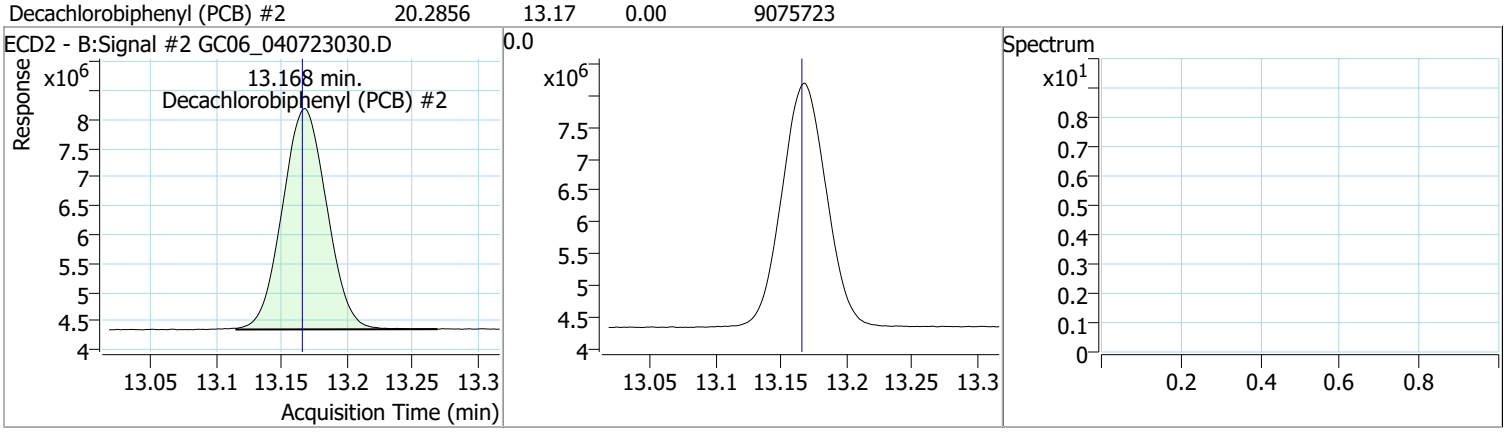
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	268.0440	11.60	0.00	8920226				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.5538	11.84	0.00	3200733				

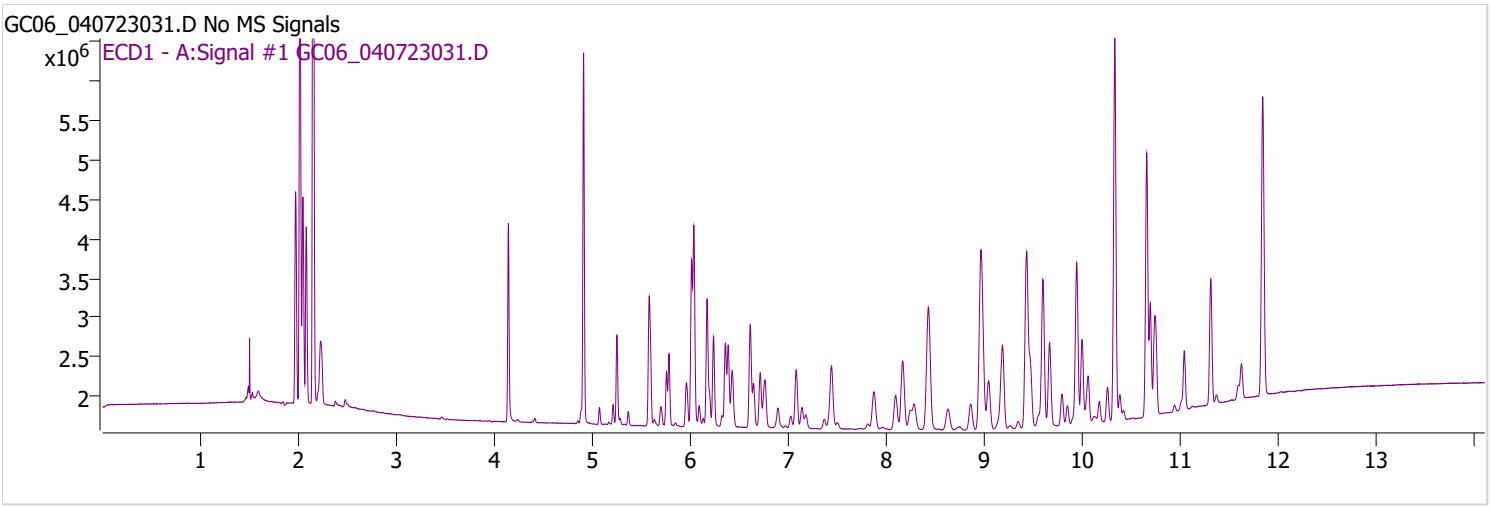


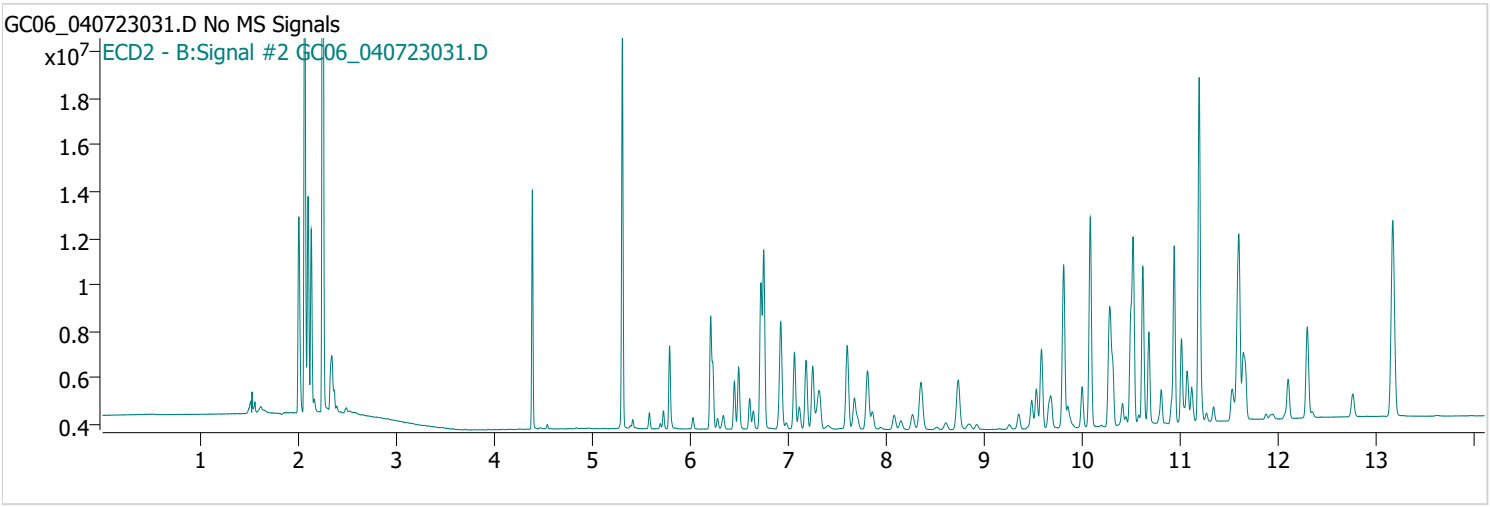
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.2856	13.17	0.00	9075723				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723031.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:01:40 AM
Sample Name	ICAL, S18184	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



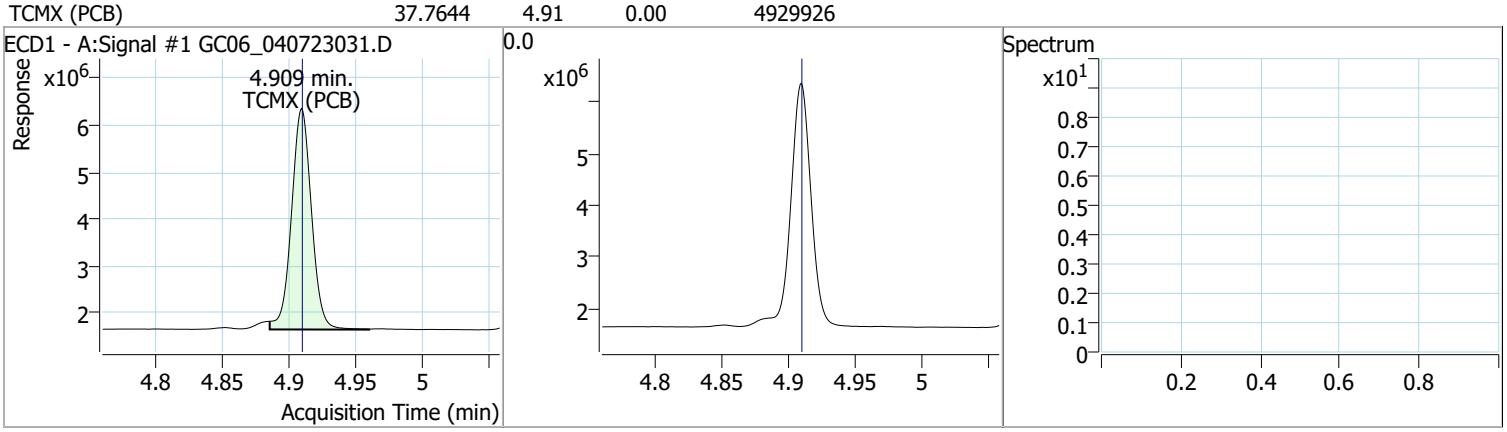


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2555918.887	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.387	0.0	9114359.887	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	4929926.388	37.7644	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.82%		*	
S TCMX (PCB) #2	5.305	0.0	17668634.484	39.1484	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.74%		*	
S Decachlorobiphenyl (PCB)	11.840	0.0	7020625.127	38.9795	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.90%		*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	20249433.303	39.9206	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.60%		*	
Target Compounds							QValue

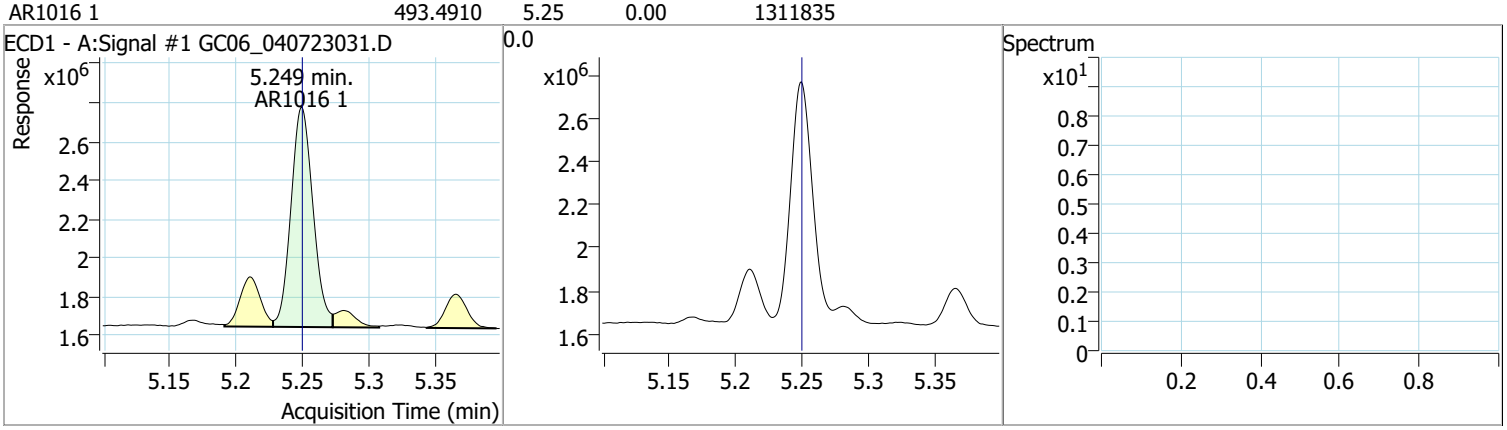
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1311834.644	493.4910	ng/ml	100
T AR1016 2	5.579	0.0	2791263.279	529.8597	ng/ml	100
T AR1016 1 #2	5.787	0.0	4531315.507	483.6759	ng/ml	100
T AR1016 3	6.034	0.0	3450459.828	535.8111	ng/ml	100
T AR1016 4	6.169	0.0	2612484.553	500.8073	ng/ml	100
T AR1016 2 #2	6.207	0.0	9697840.261	490.8648	ng/ml	100
T AR1016 5	6.356	0.0	1537115.188	502.4064	ng/ml	100
T AR1016 3 #2	6.748	0.0	12181899.462	485.9598	ng/ml	100
T AR1016 4 #2	6.921	0.0	8772759.076	486.4616	ng/ml	100
T AR1016 5 #2	7.599	0.0	7196941.481	484.6349	ng/ml	100
T AR1260 1	8.428	0.0	4265682.784	500.8922	ng/ml	100
T AR1260 2	8.965	0.0	6417691.660	498.6091	ng/ml	100
T AR1260 3	9.432	0.0	6571010.837	507.9571	ng/ml	100
T AR1260 1 #2	9.808	0.0	13005519.426	500.1453	ng/ml	100
T AR1260 4	9.941	0.0	3925490.333	490.2976	ng/ml	100
T AR1260 2 #2	10.080	0.0	15454196.040	480.3871	ng/ml	100
T AR1260 5	10.330	0.0	8175989.055	472.9928	ng/ml	100
T AR1260 3 #2	10.518	0.0	19437098.284	490.6896	ng/ml	100
T AR1260 4 #2	10.937	0.0	11297066.104	486.1203	ng/ml	100
T AR1260 5 #2	11.596	0.0	18478097.195	489.7388	ng/ml	100

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

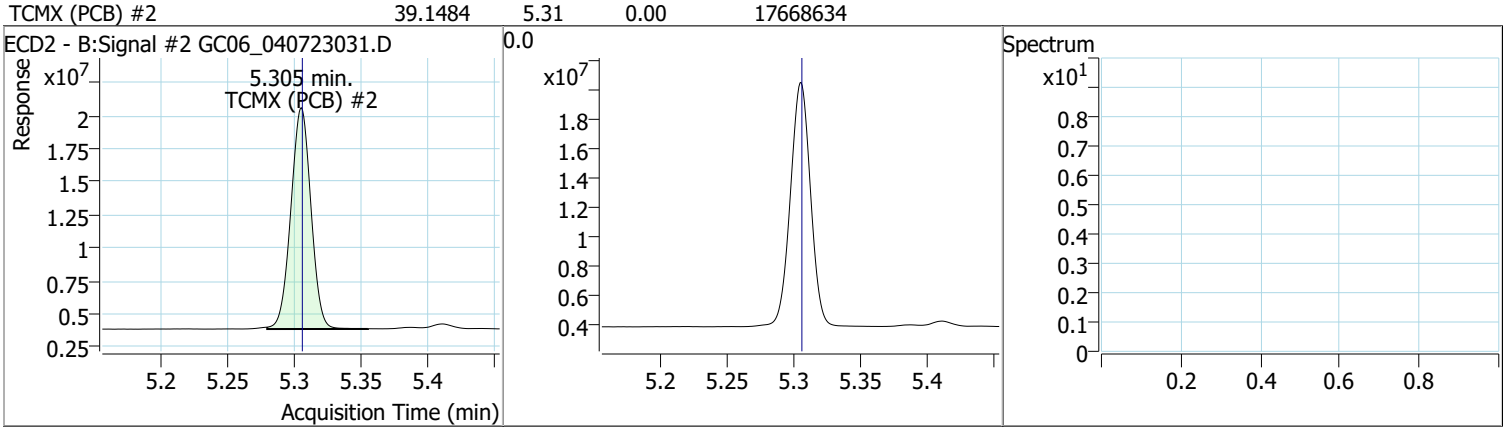
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.7644	4.91	0.00	4929926				



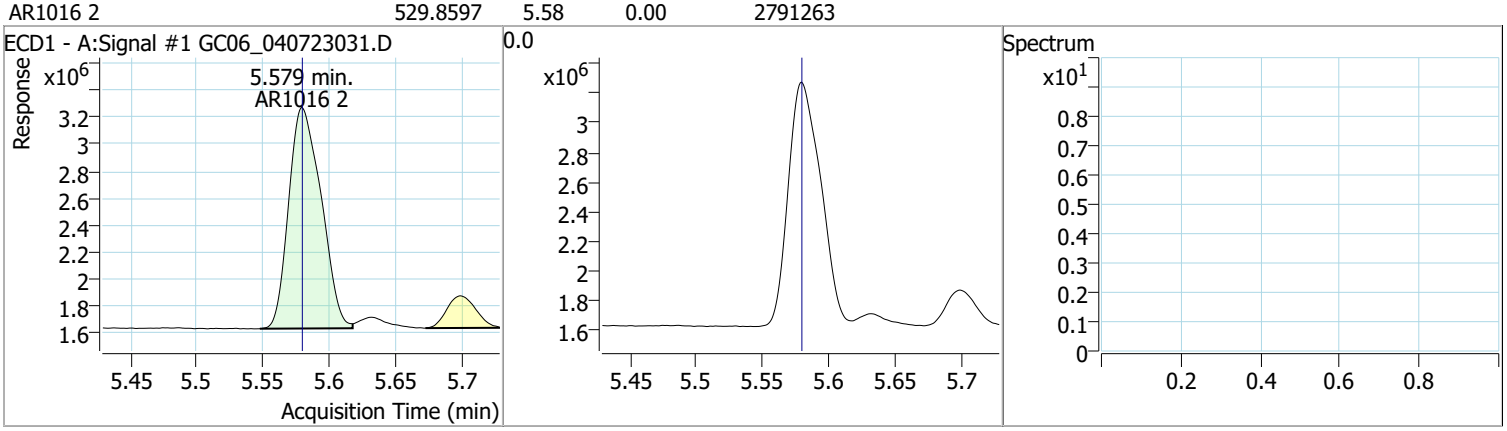
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	493.4910	5.25	0.00	1311835				



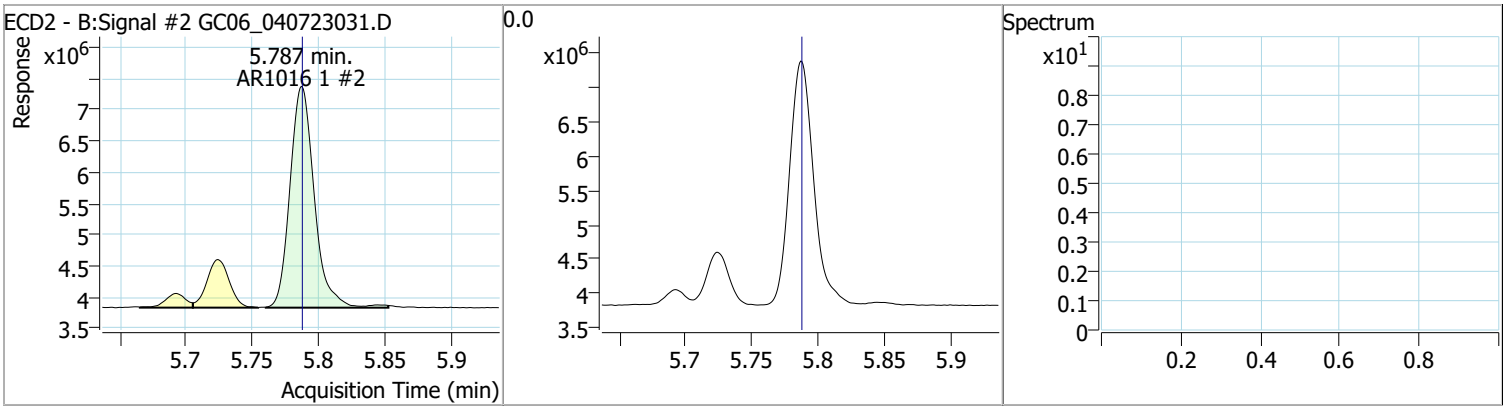
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.1484	5.31	0.00	17668634				



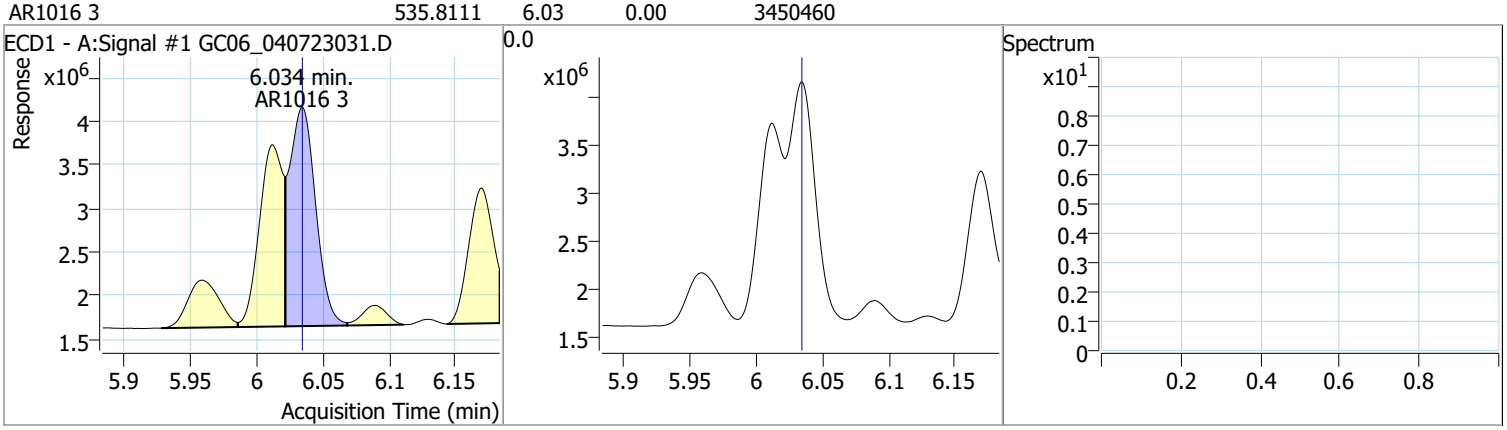
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	529.8597	5.58	0.00	2791263				



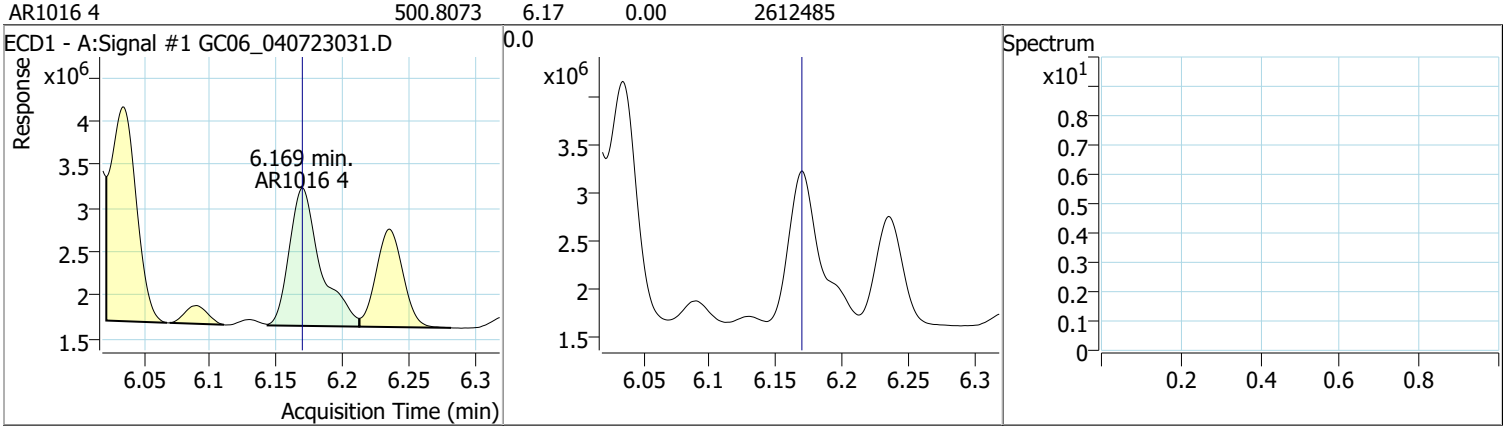
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	483.6759	5.79	0.00	4531316				



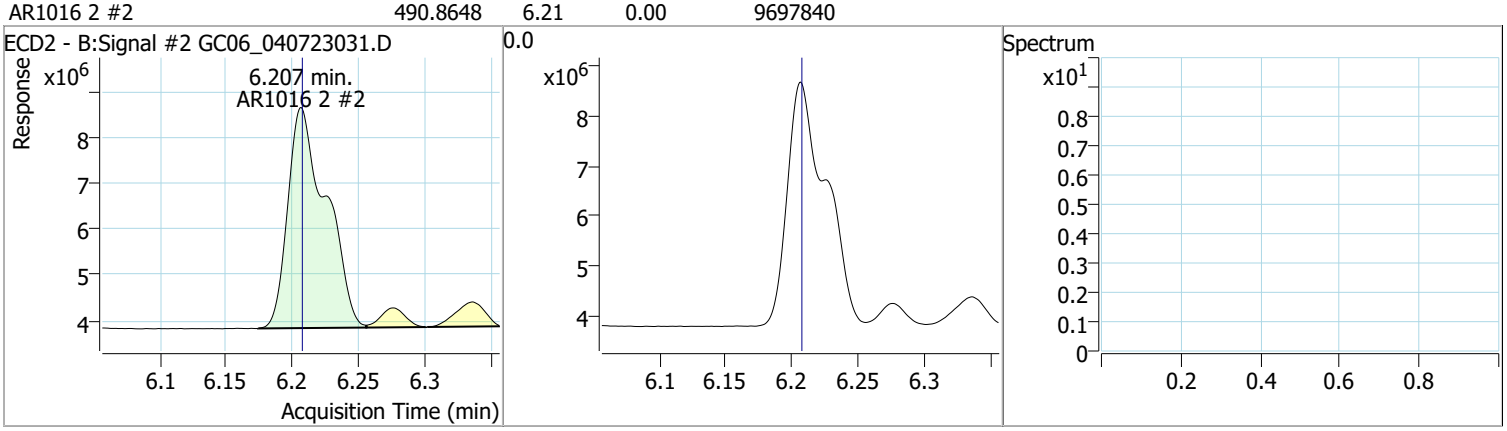
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	535.8111	6.03	0.00	3450460				



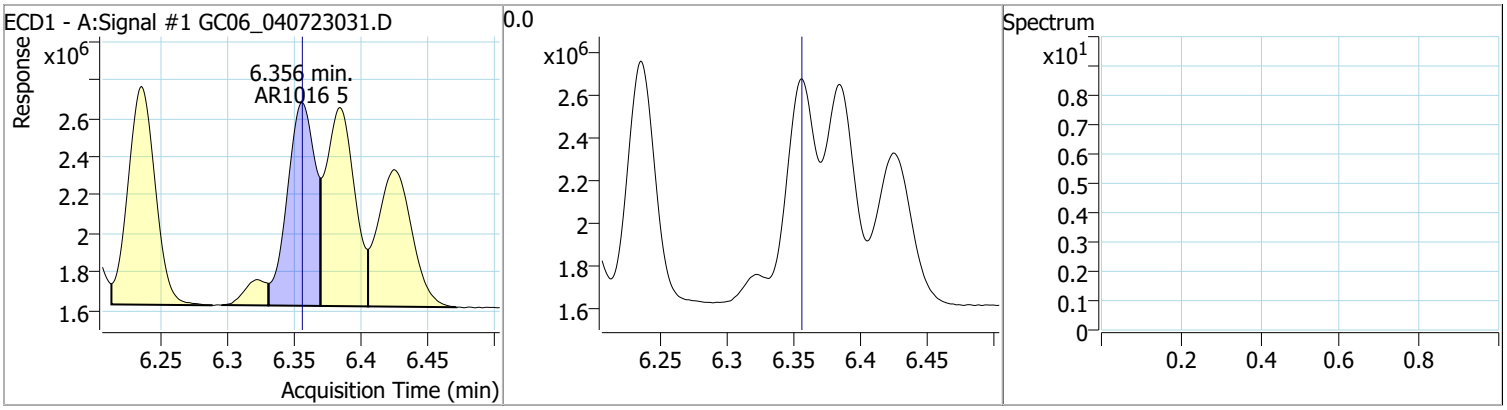
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.8073	6.17	0.00	2612485				



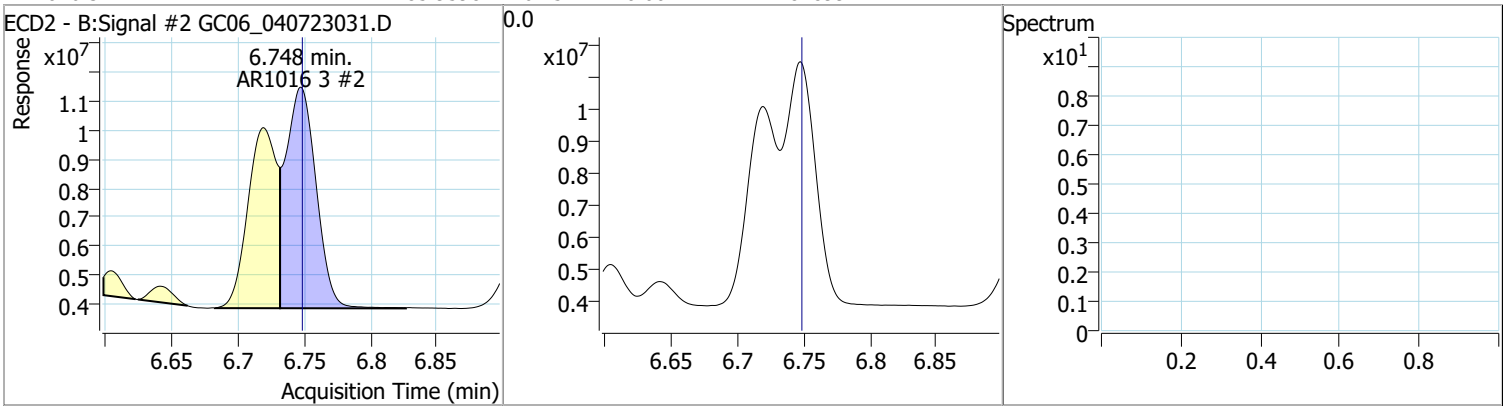
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	490.8648	6.21	0.00	9697840				



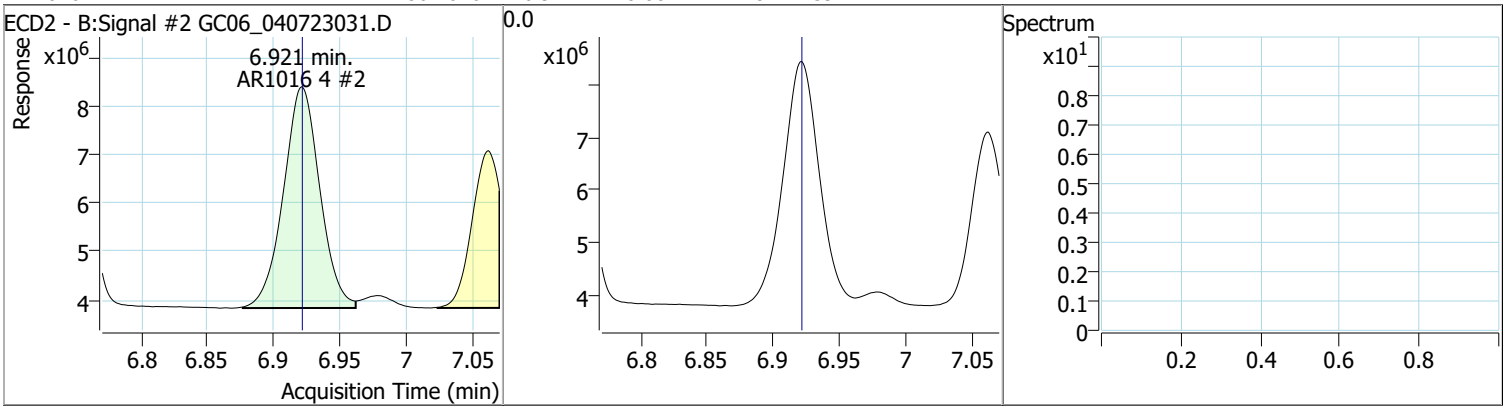
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	502.4064	6.36	0.00	1537115				



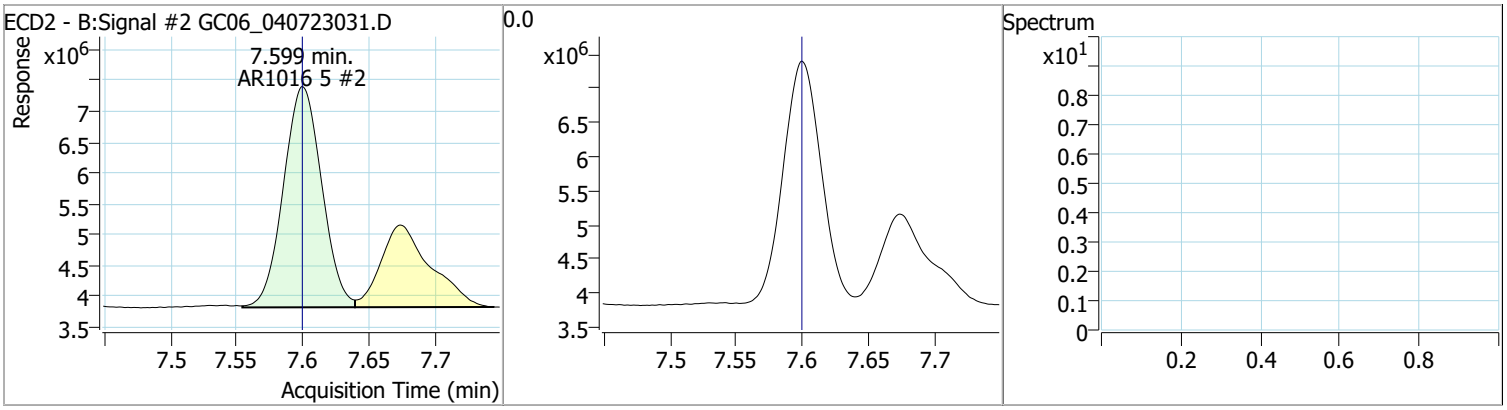
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	485.9598	6.75	0.00	12181899				



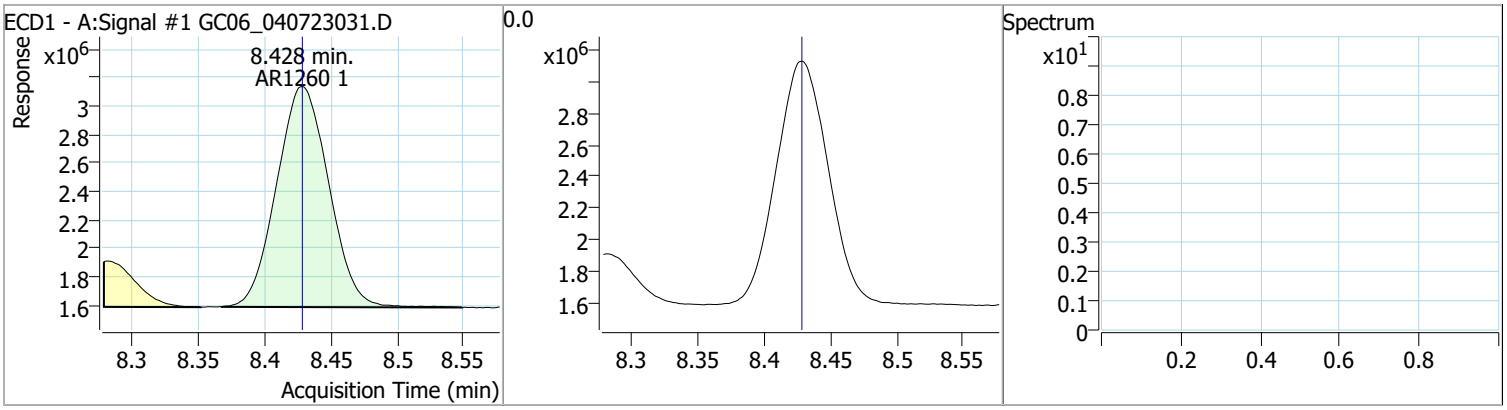
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	486.4616	6.92	0.00	8772759				



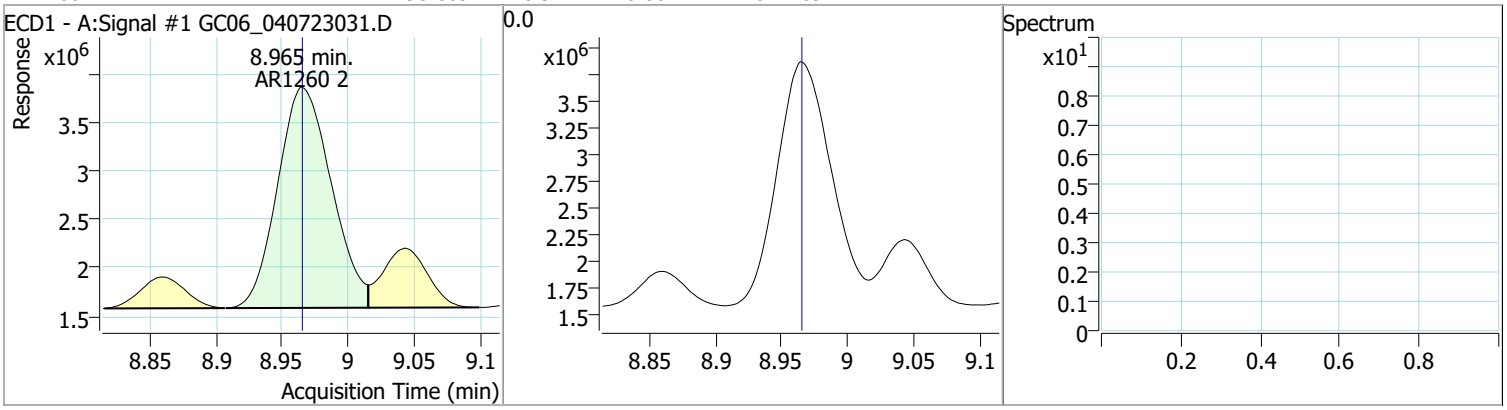
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	484.6349	7.60	0.00	7196941				



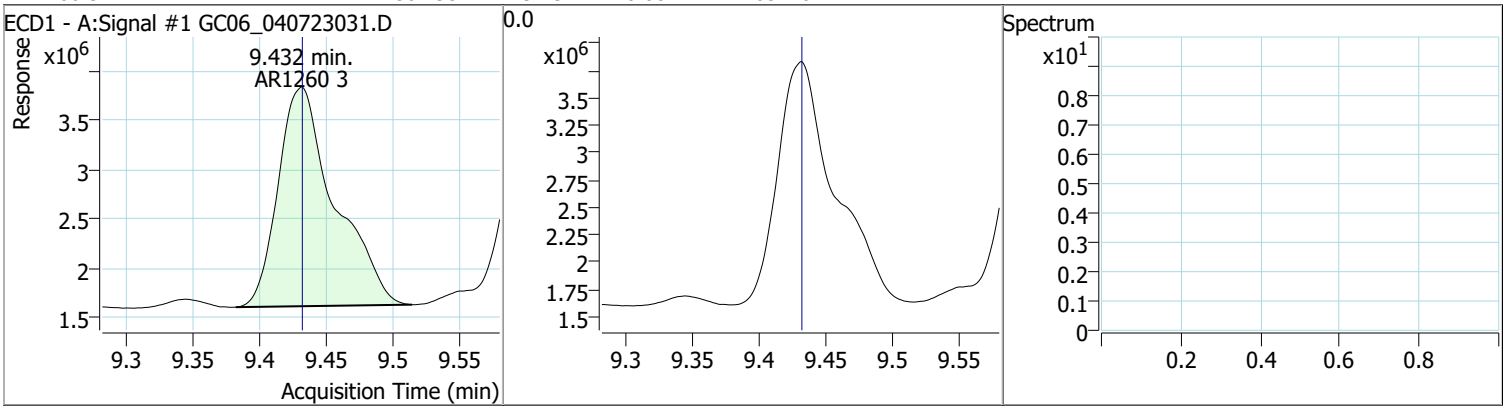
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	500.8922	8.43	0.00	4265683				



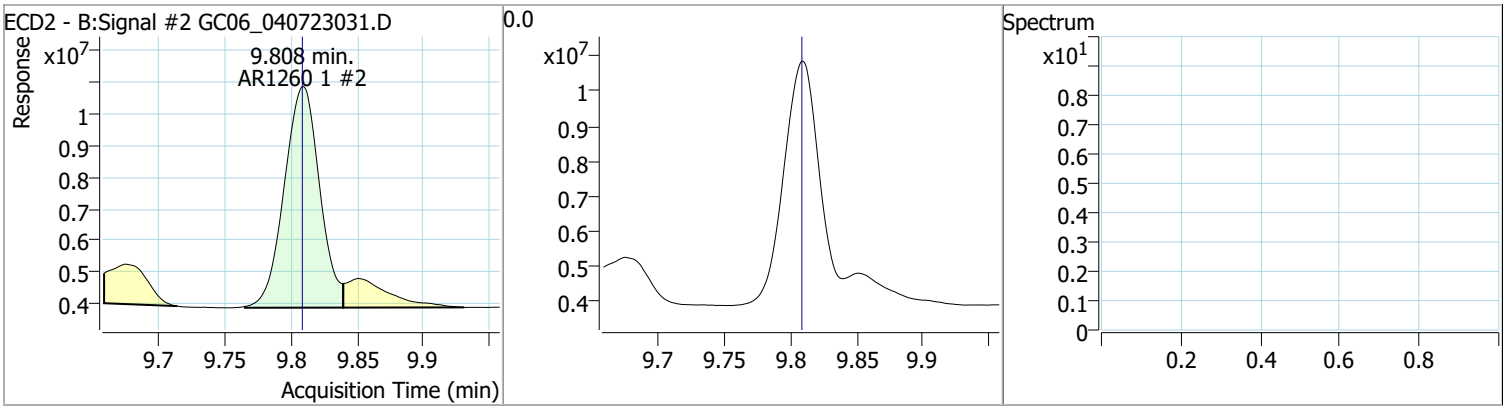
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AR1260 2	498.6091	8.97	0.00	6417692				



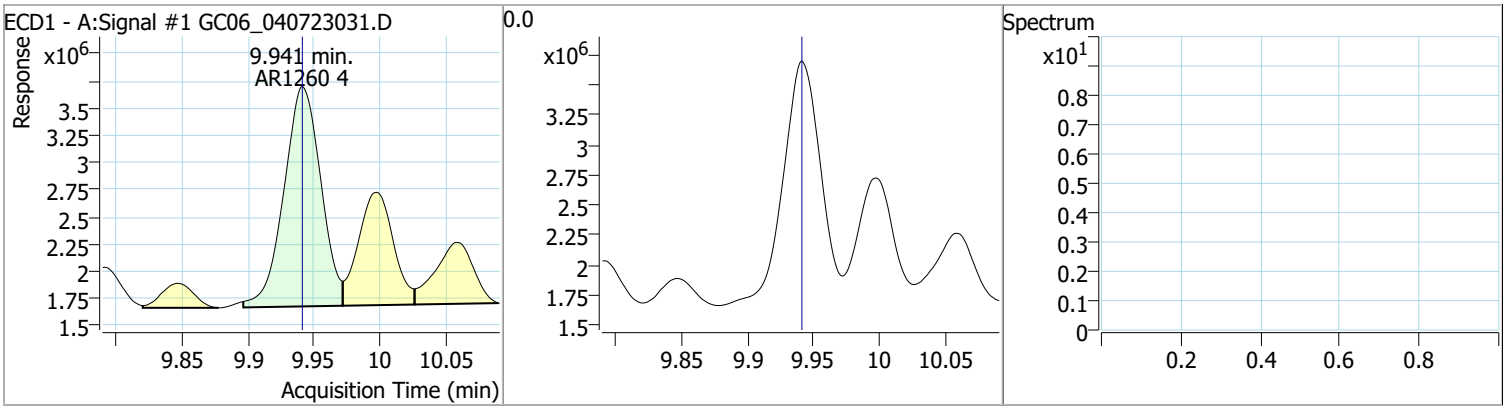
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	507.9571	9.43	0.00	6571011				



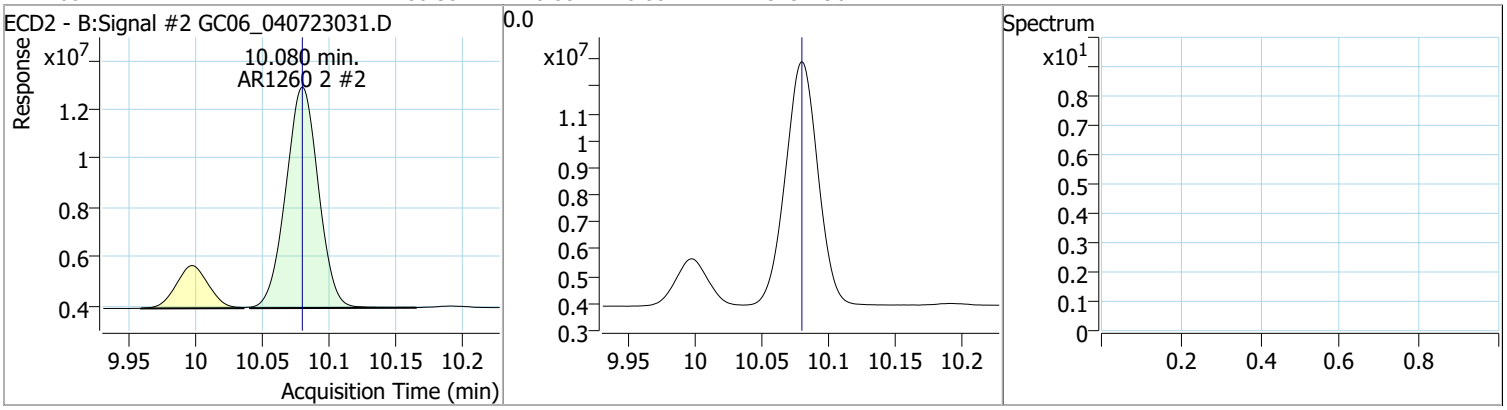
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	500.1453	9.81	0.00	13005519				



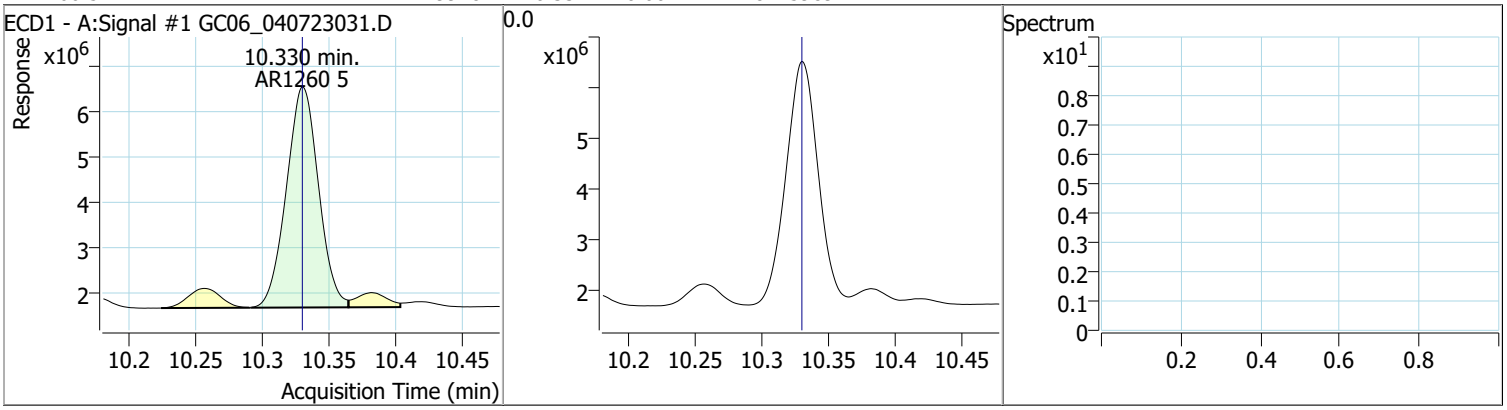
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	490.2976	9.94	0.00	3925490				



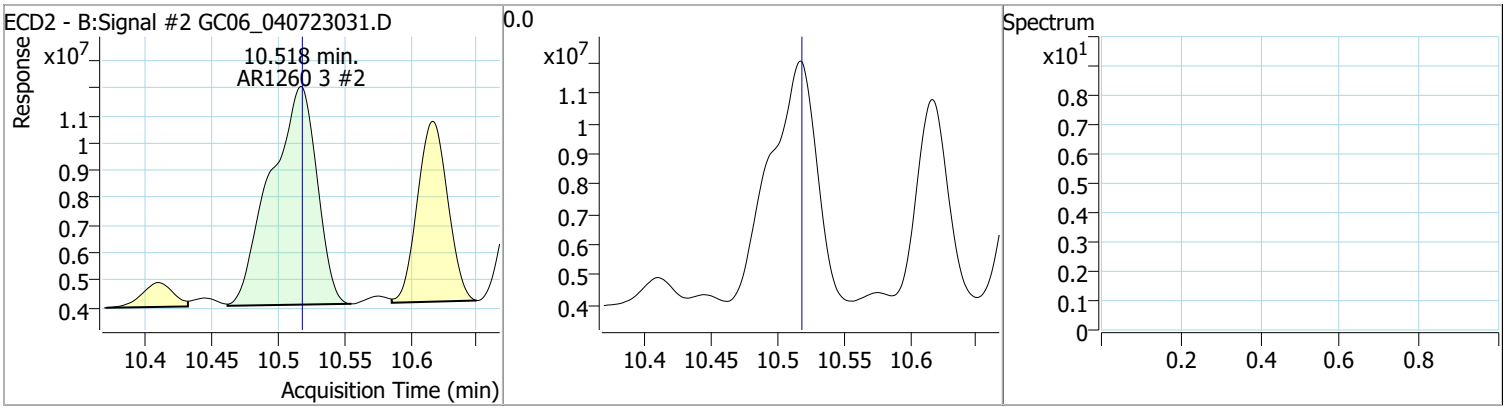
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	480.3871	10.08	0.00	15454196				



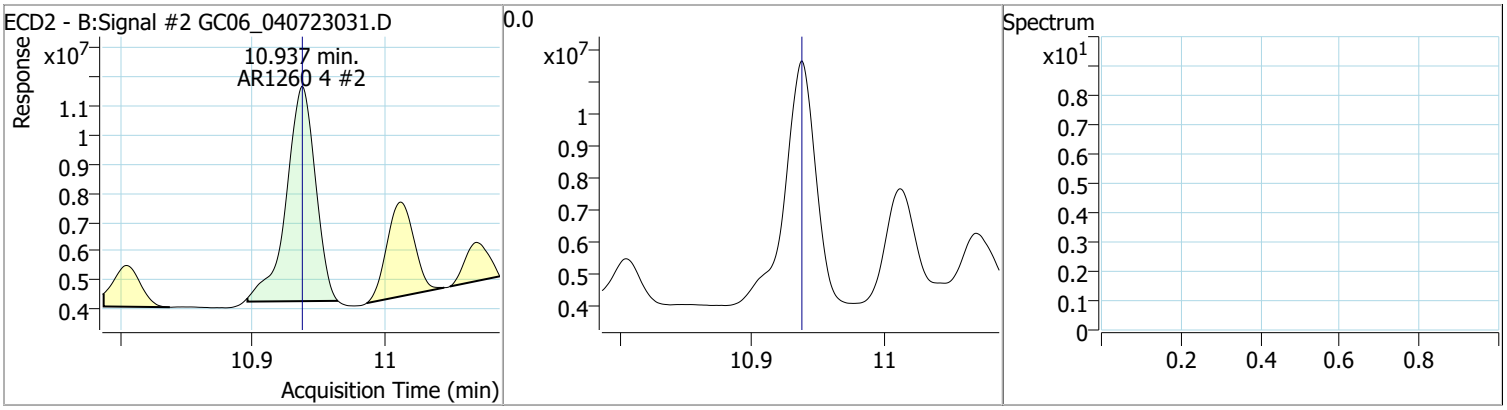
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.9928	10.33	0.00	8175989				



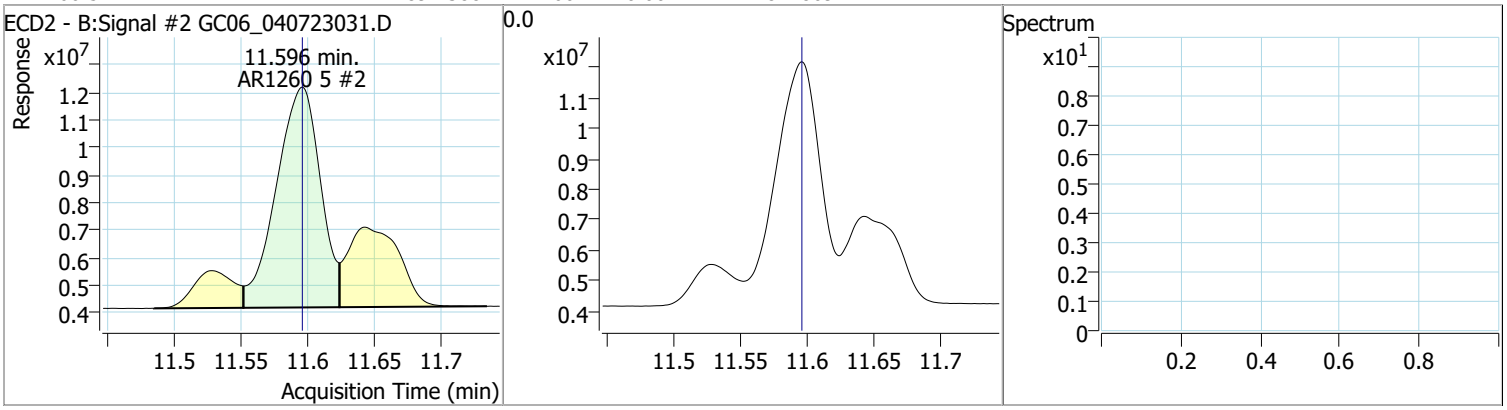
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AR1260 3 #2	490.6896	10.52	0.00	19437098				



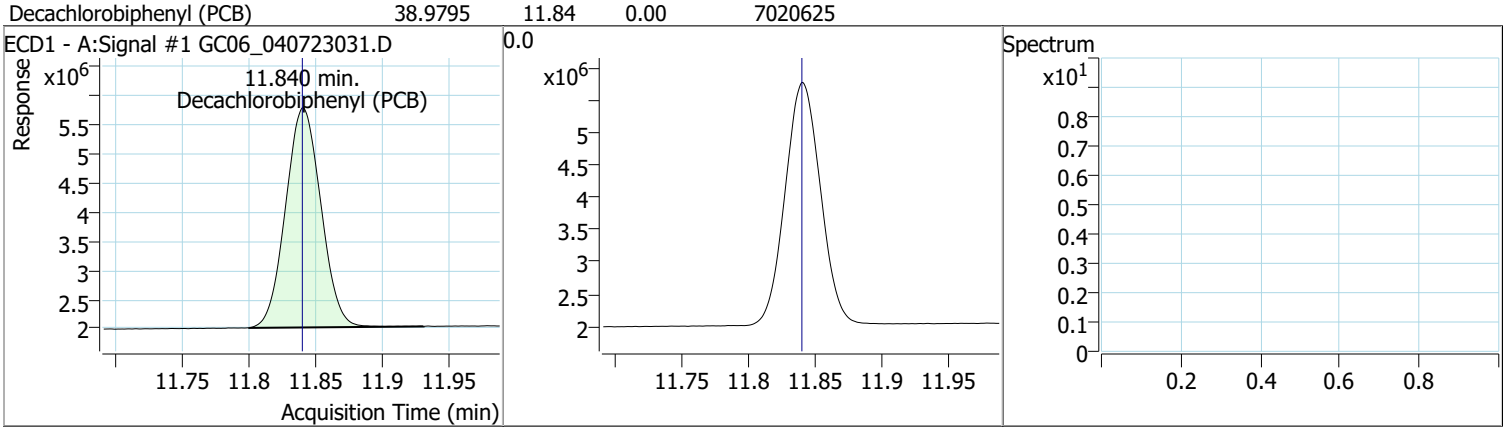
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	486.1203	10.94	0.00	11297066				



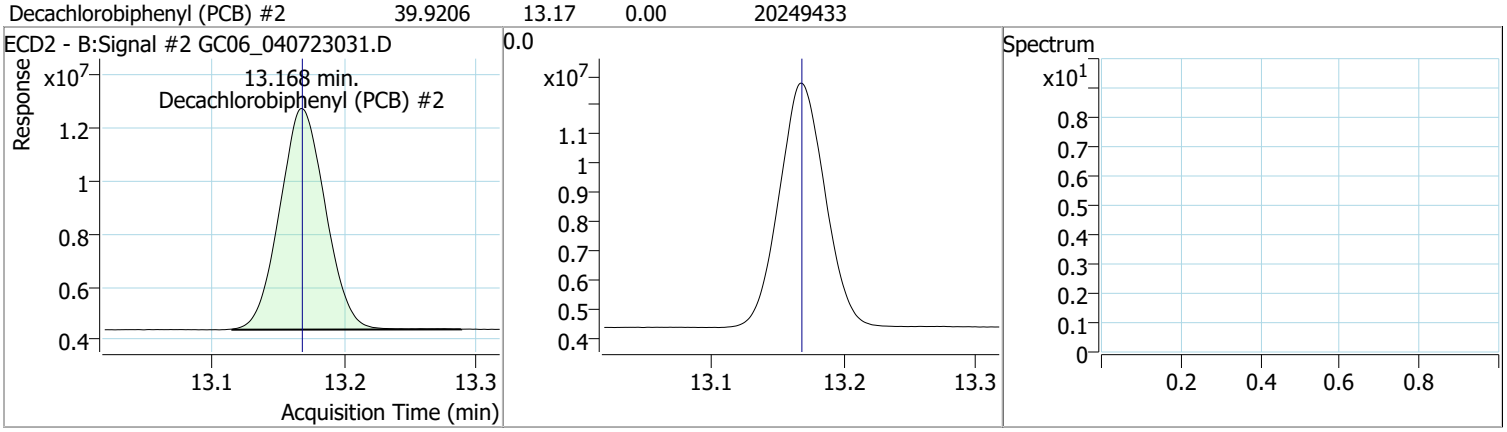
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	489.7388	11.60	0.00	18478097				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.9795	11.84	0.00	7020625				

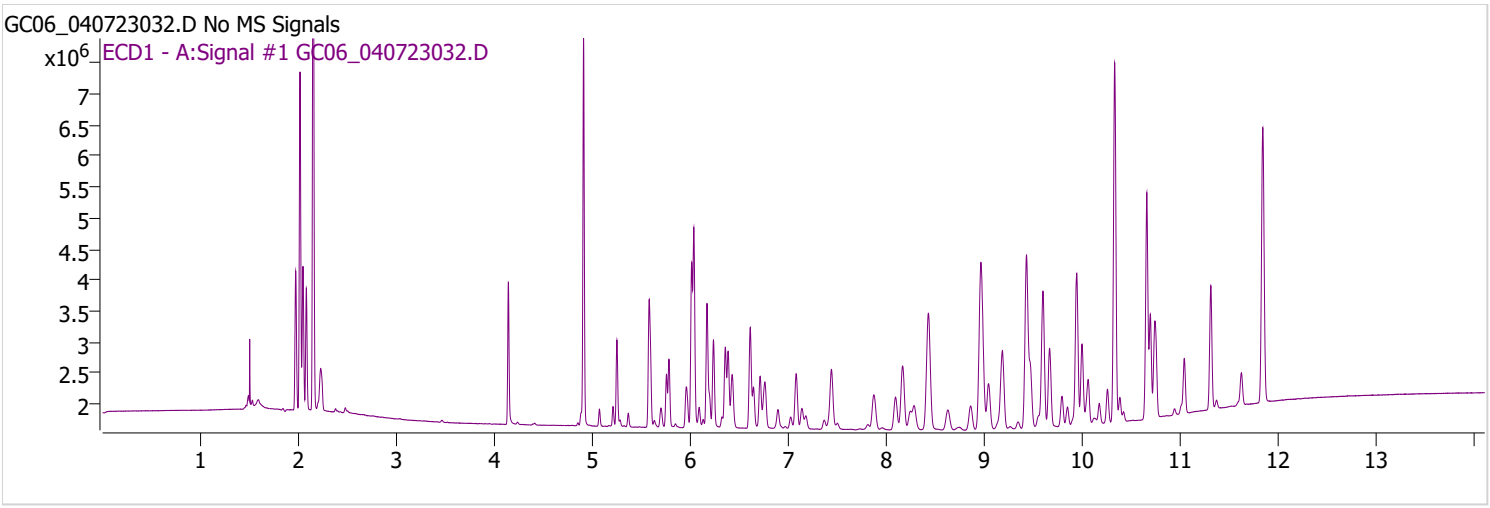


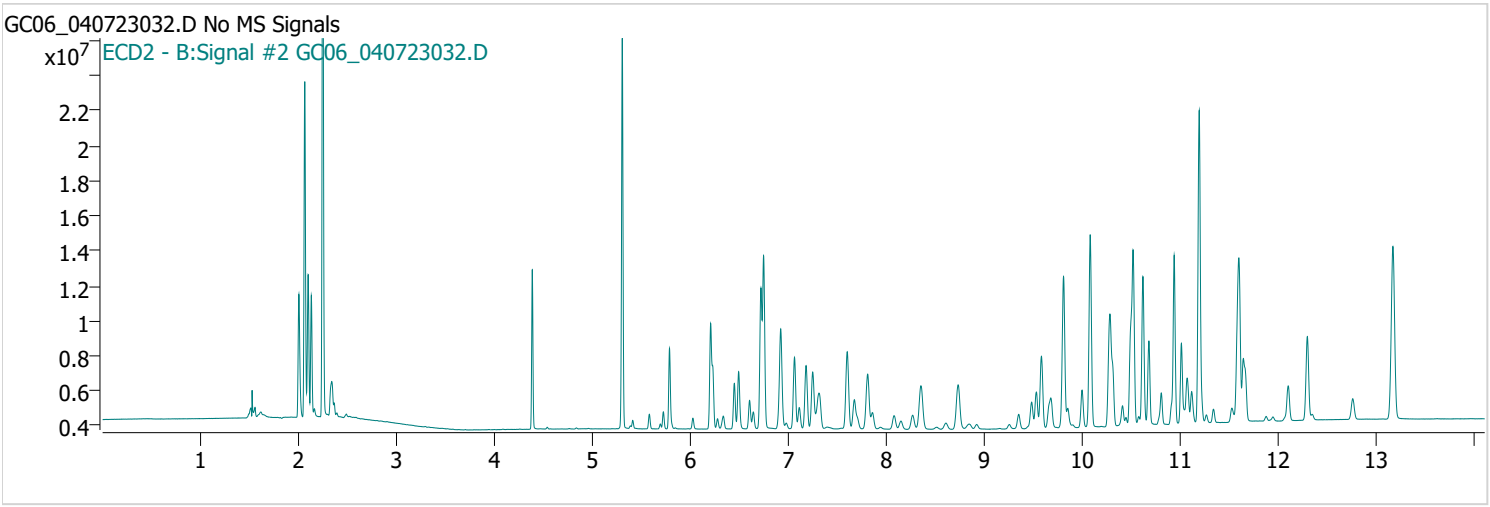
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.9206	13.17	0.00	20249433				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723032.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:19:59 AM
Sample Name	ICAL, S18185	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



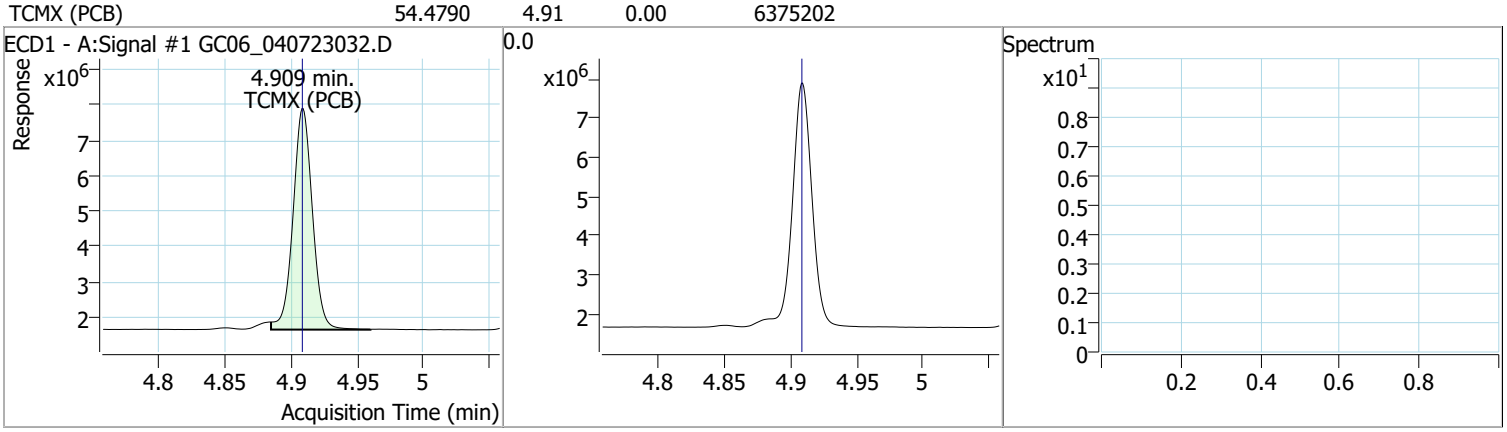


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2291154.448	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8134119.942	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	6375202.027	54.4790	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.40%		*	
S TCMX (PCB) #2	5.304	0.0	23006481.150	57.1185	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.59%		*	
S Decachlorobiphenyl (PCB)	11.842	0.0	8282034.439	51.2968	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 256.48%		*	
S Decachlorobiphenyl (PCB) #2	13.169	0.0	23950081.497	52.9062	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 264.53%		*	
Target Compounds							QValue

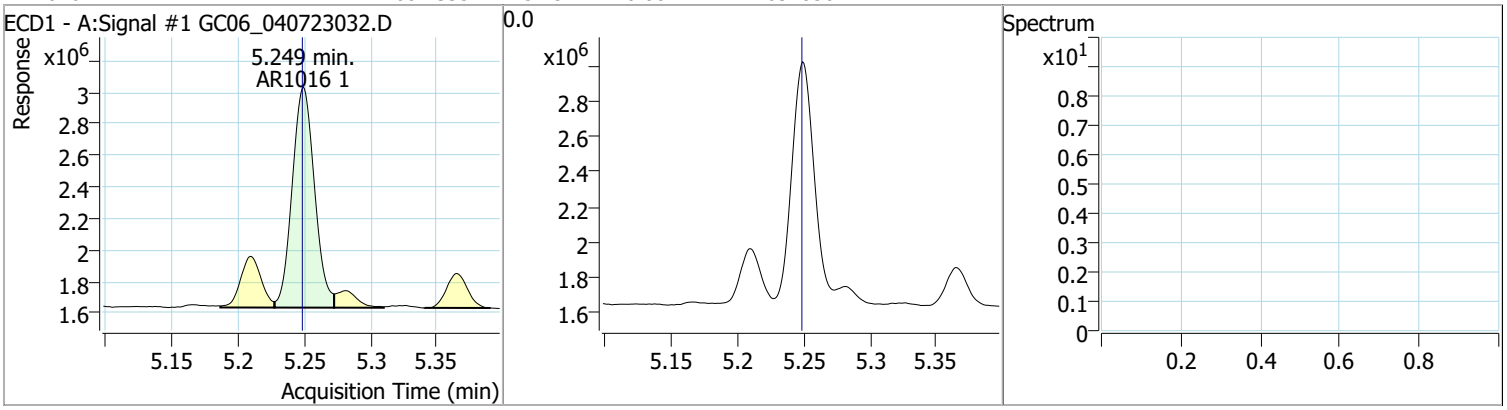
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1637855.741	687.3351	ng/ml	100
T AR1016 2	5.579	0.0	3471375.782	759.3368	ng/ml	100
T AR1016 1 #2	5.786	0.0	5696960.625	681.3794	ng/ml	100
T AR1016 3	6.034	0.0	4281628.066	757.3229	ng/ml	100
T AR1016 4	6.168	0.0	3242158.843	693.3362	ng/ml	100
T AR1016 2 #2	6.206	0.0	12165934.492	689.9982	ng/ml	100
T AR1016 5	6.355	0.0	1896103.993	691.3589	ng/ml	100
T AR1016 3 #2	6.746	0.0	15064463.933	673.3714	ng/ml	100
T AR1016 4 #2	6.921	0.0	10990886.870	682.9057	ng/ml	100
T AR1016 5 #2	7.600	0.0	8962743.499	676.2750	ng/ml	100
T AR1260 1	8.428	0.0	5158308.184	675.7027	ng/ml	100
T AR1260 2	8.964	0.0	7650849.724	663.1071	ng/ml	100
T AR1260 3	9.429	0.0	8036140.500	693.0029	ng/ml	100
T AR1260 1 #2	9.808	0.0	16088482.250	693.2648	ng/ml	100
T AR1260 4	9.943	0.0	4772713.848	665.0036	ng/ml	100
T AR1260 2 #2	10.079	0.0	19008272.795	662.0689	ng/ml	100
T AR1260 5	10.329	0.0	10015858.687	646.3907	ng/ml	100
T AR1260 3 #2	10.517	0.0	24056912.445	680.5043	ng/ml	100
T AR1260 4 #2	10.937	0.0	14059981.606	677.9200	ng/ml	100
T AR1260 5 #2	11.597	0.0	22046442.909	654.7287	ng/ml	100

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

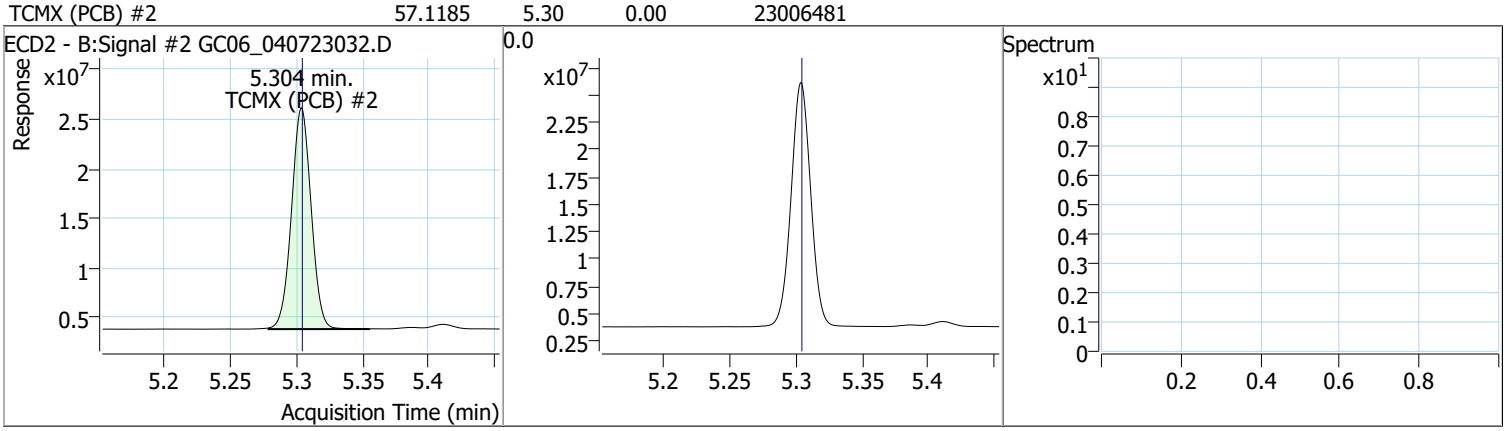
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4790	4.91	0.00	6375202				



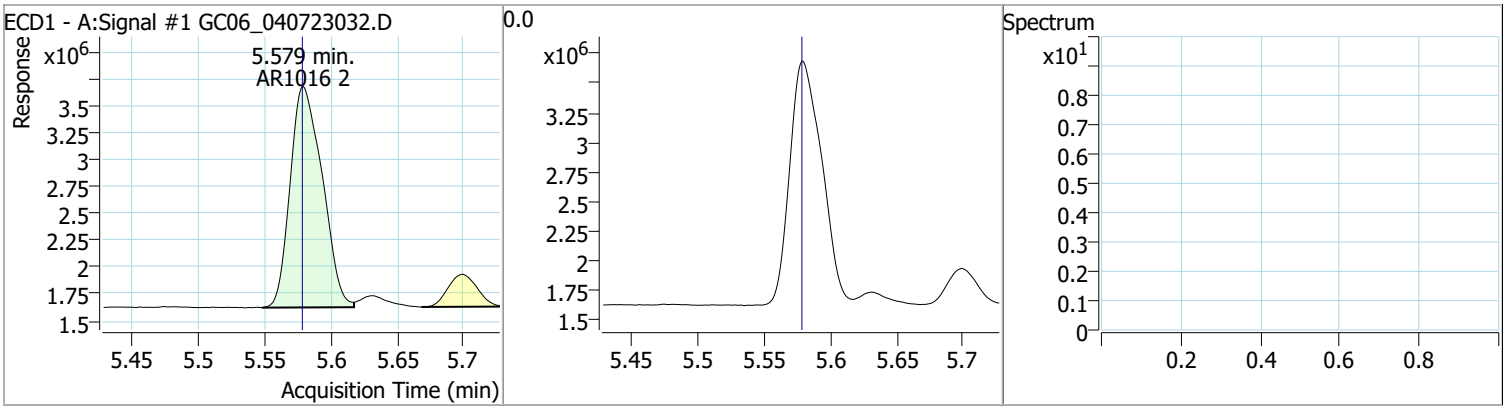
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	687.3351	5.25	0.00	1637856				



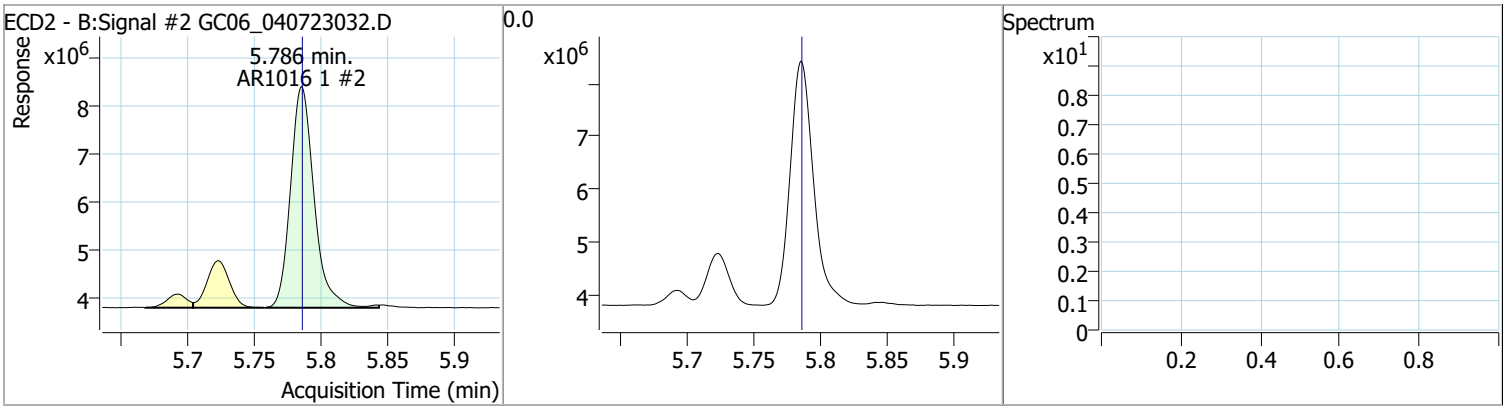
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	57.1185	5.30	0.00	23006481				



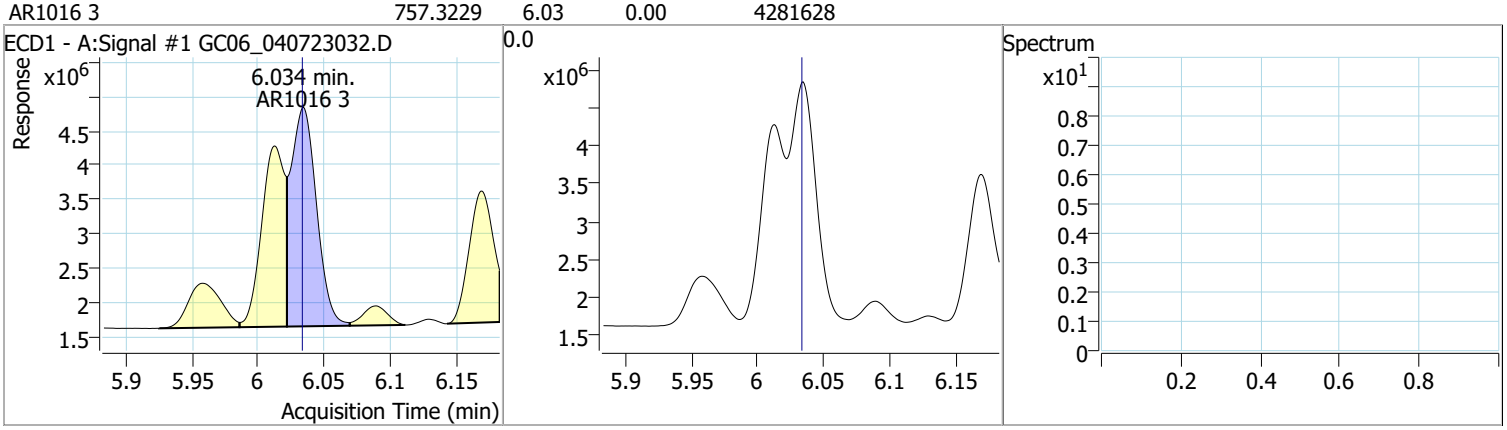
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	759.3368	5.58	0.00	3471376				



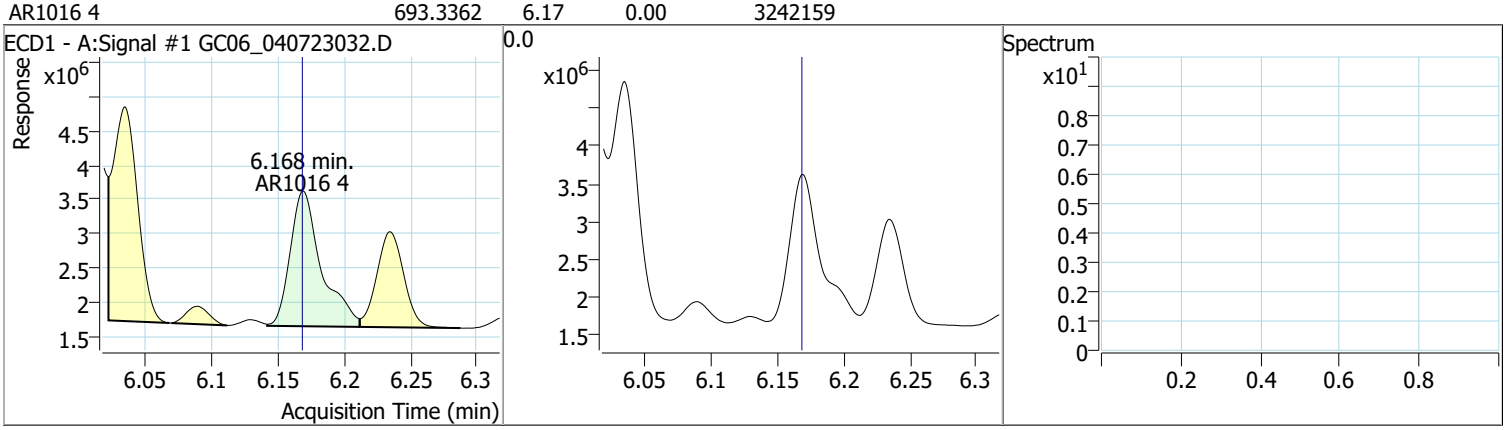
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	681.3794	5.79	0.00	5696961				



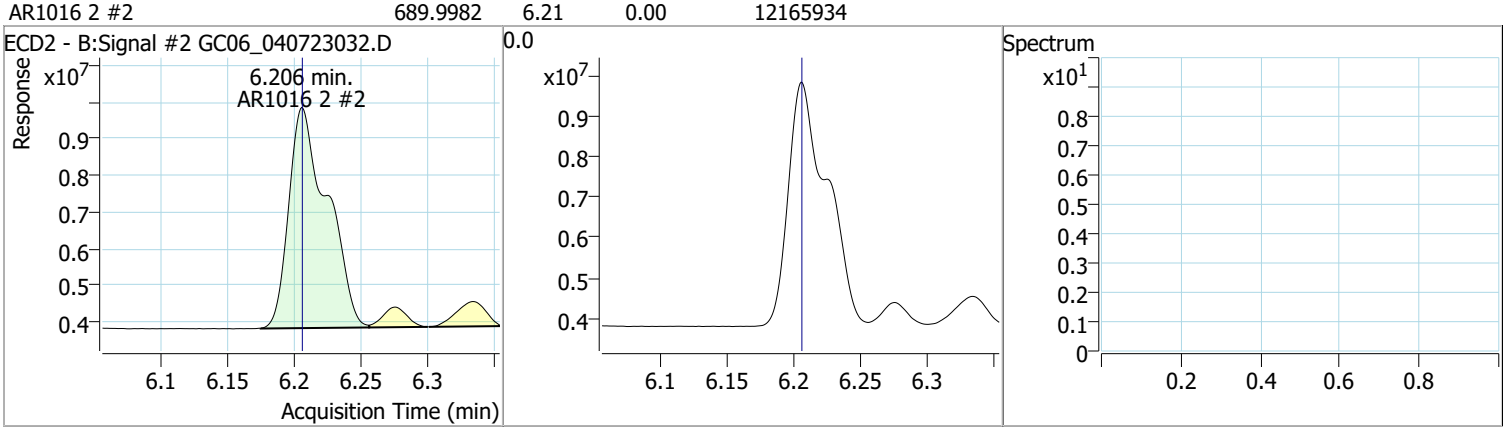
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	757.3229	6.03	0.00	4281628				



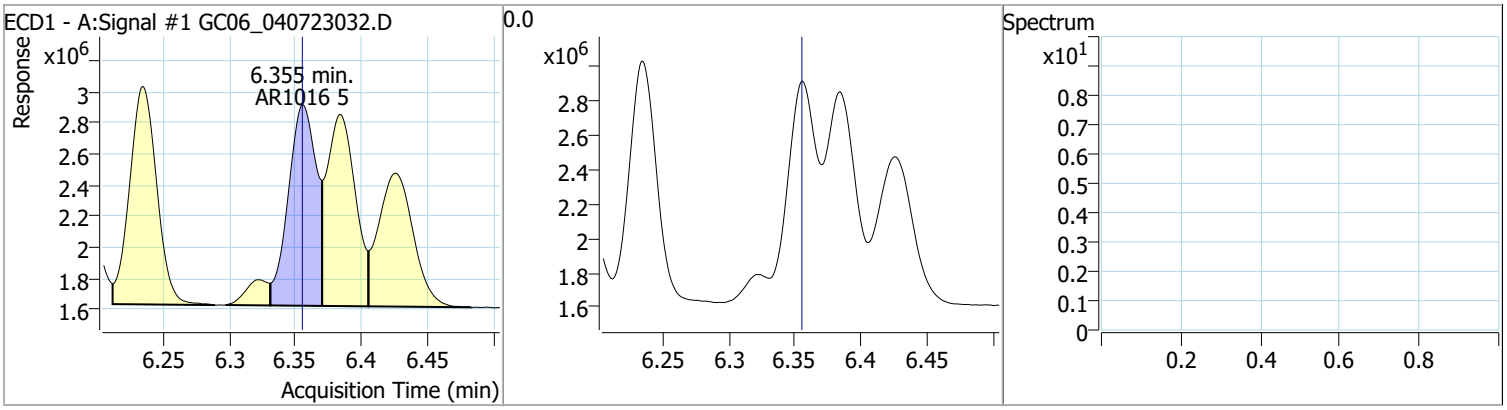
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	693.3362	6.17	0.00	3242159				



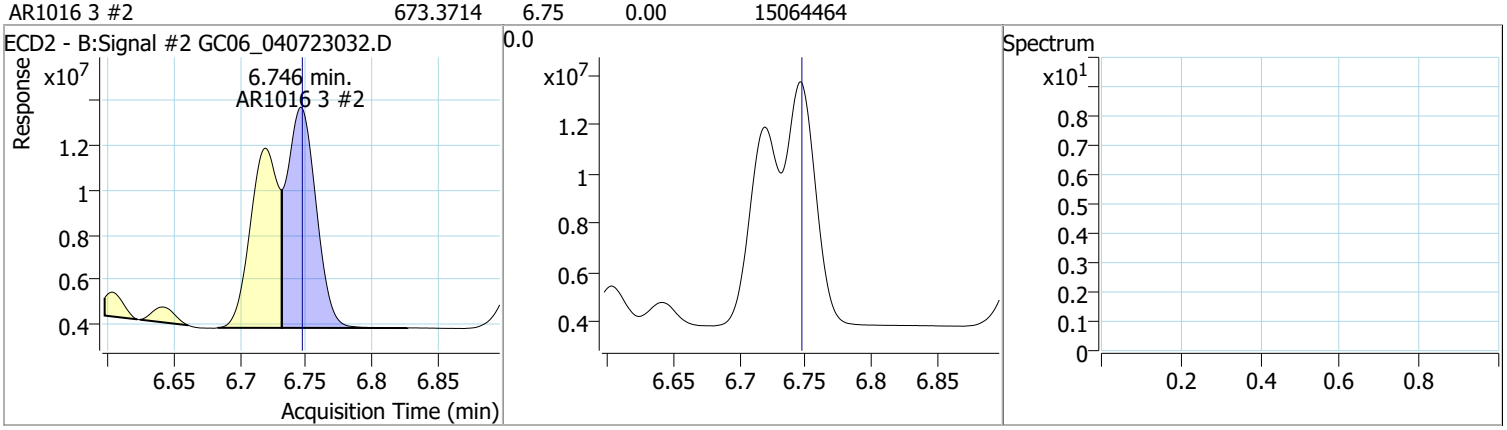
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	689.9982	6.21	0.00	12165934				



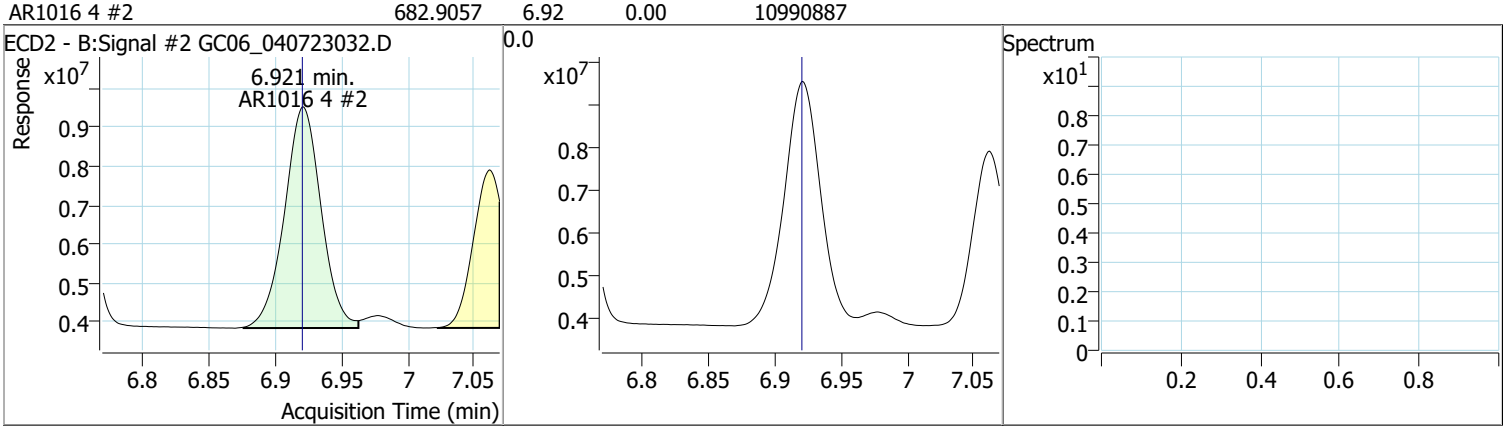
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	691.3589	6.36	0.00	1896104				



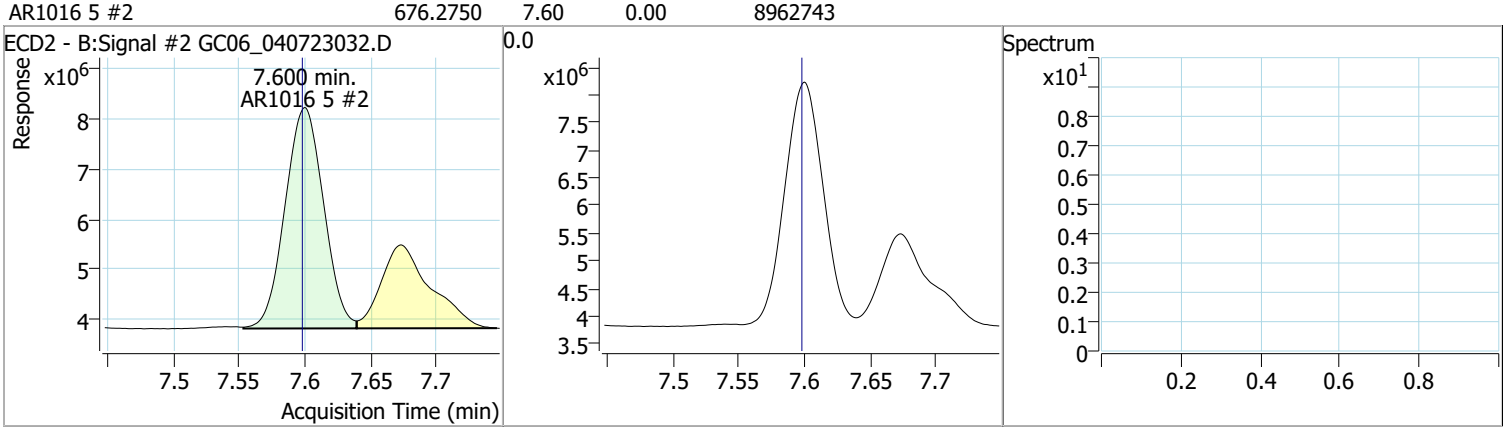
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	673.3714	6.75	0.00	15064464				



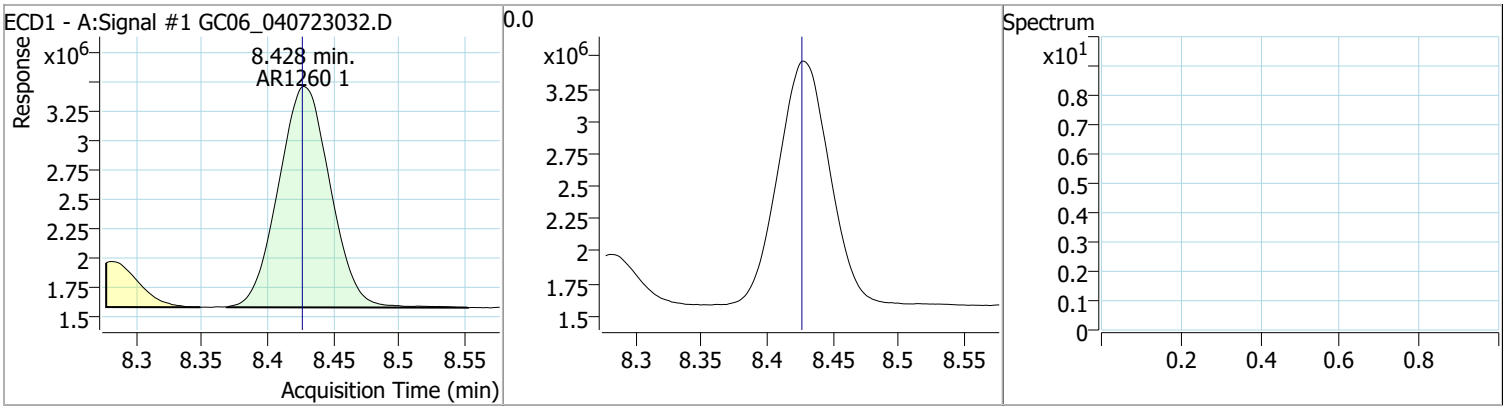
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	682.9057	6.92	0.00	10990887				



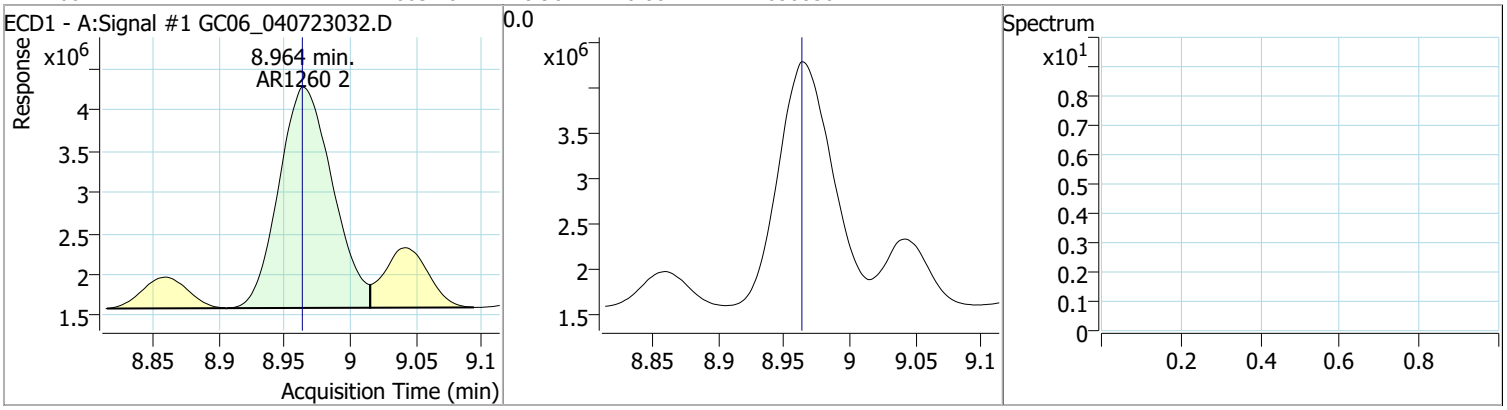
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	676.2750	7.60	0.00	8962743				



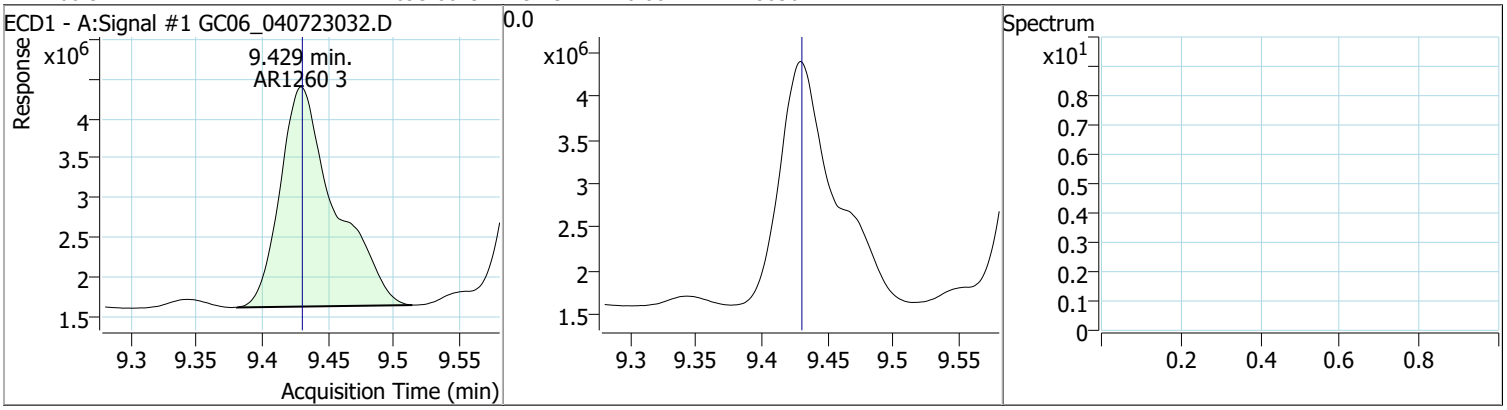
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	675.7027	8.43	0.00	5158308				



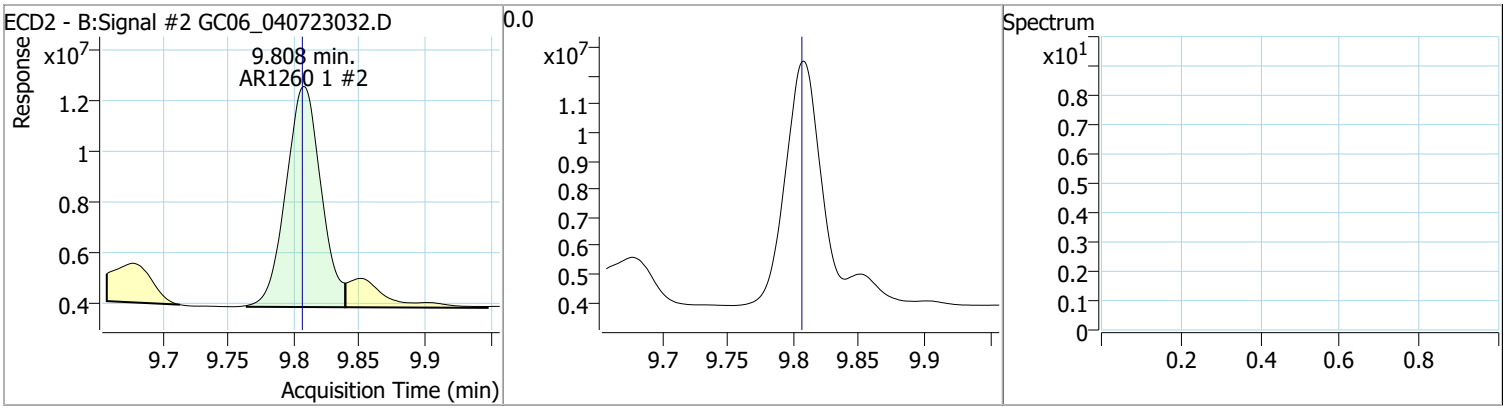
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	663.1071	8.96	0.00	7650850				



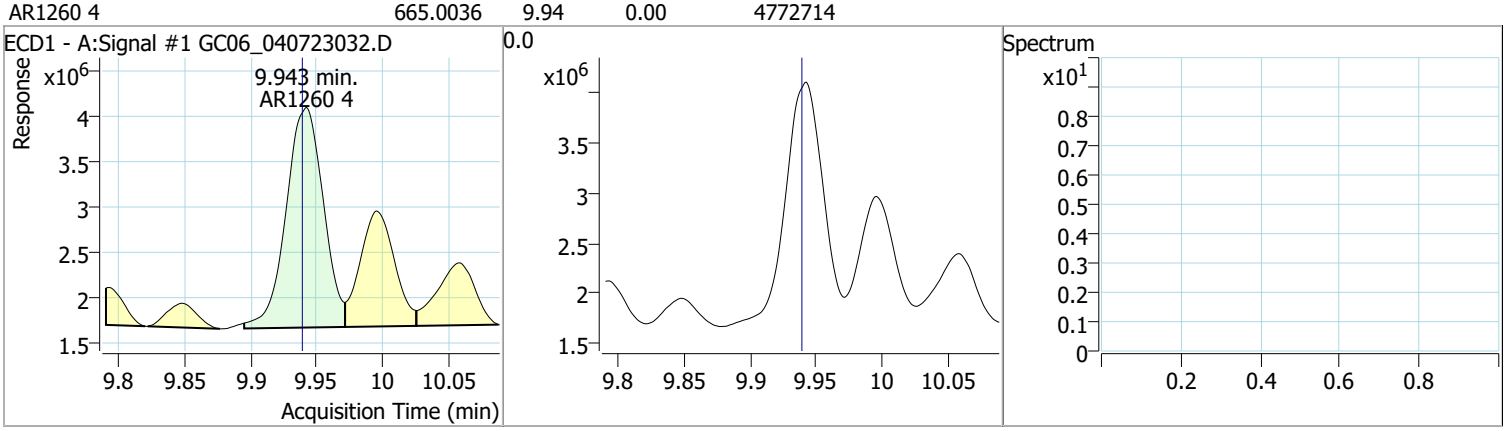
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	693.0029	9.43	0.00	8036141				



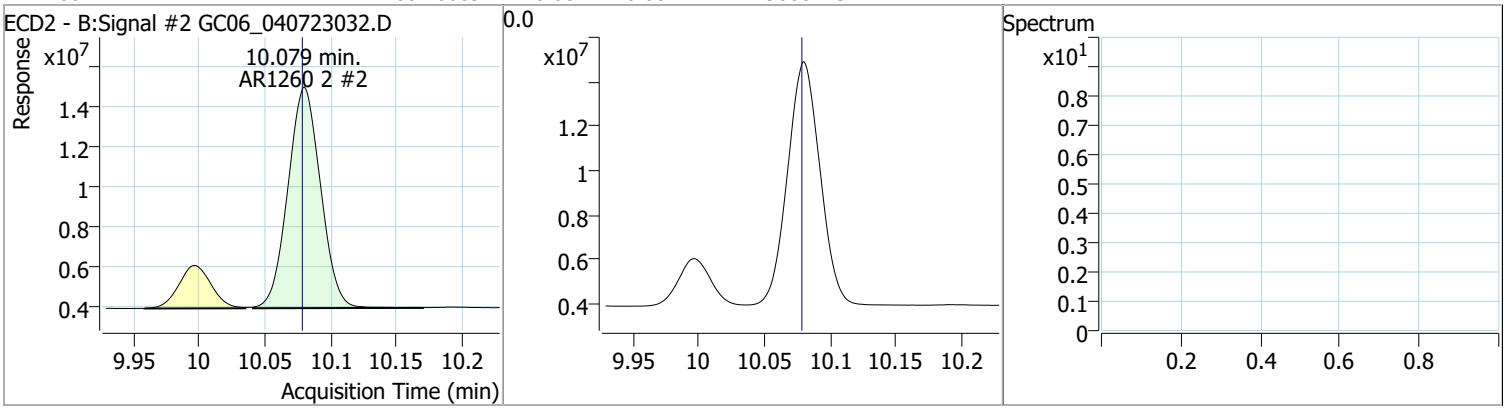
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.2648	9.81	0.00	16088482				



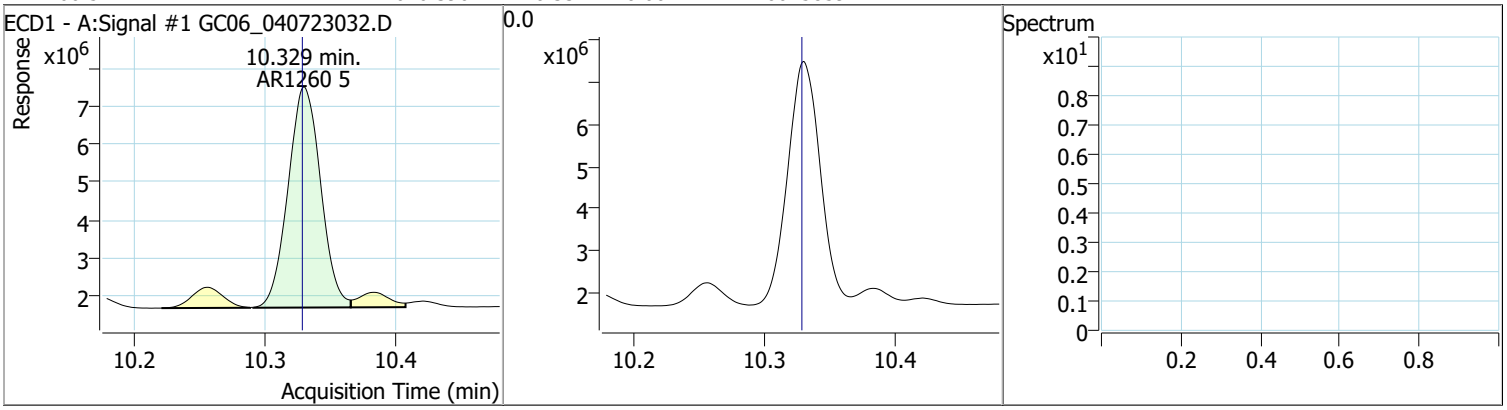
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	665.0036	9.94	0.00	4772714				



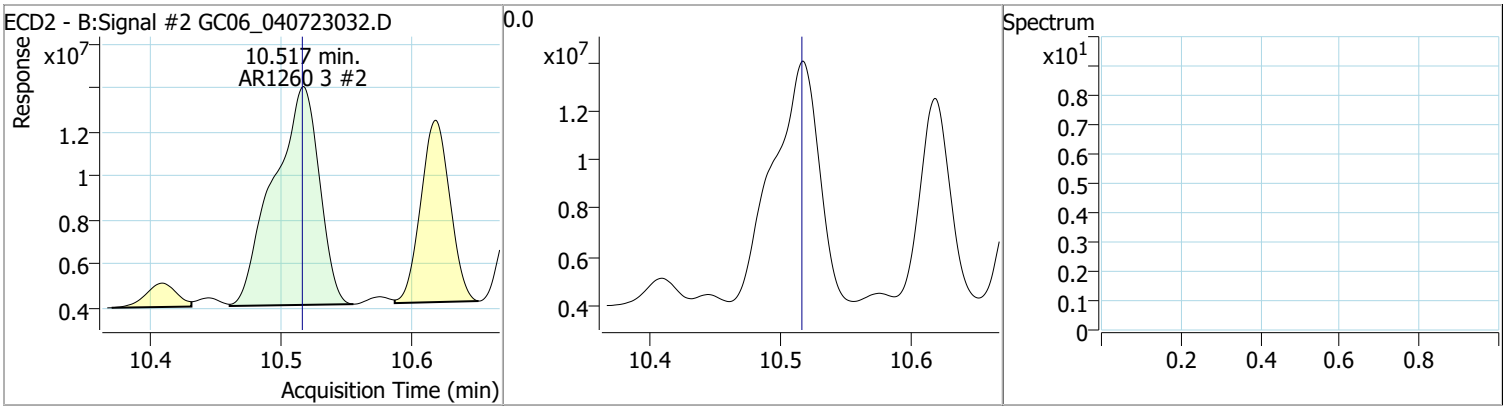
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	662.0689	10.08	0.00	19008273				



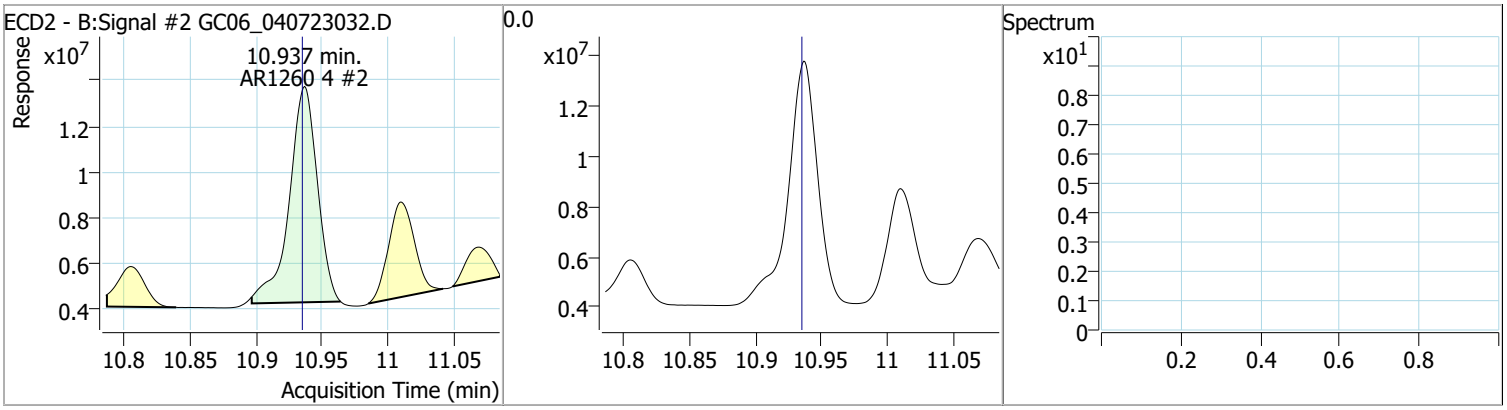
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	646.3907	10.33	0.00	10015859				



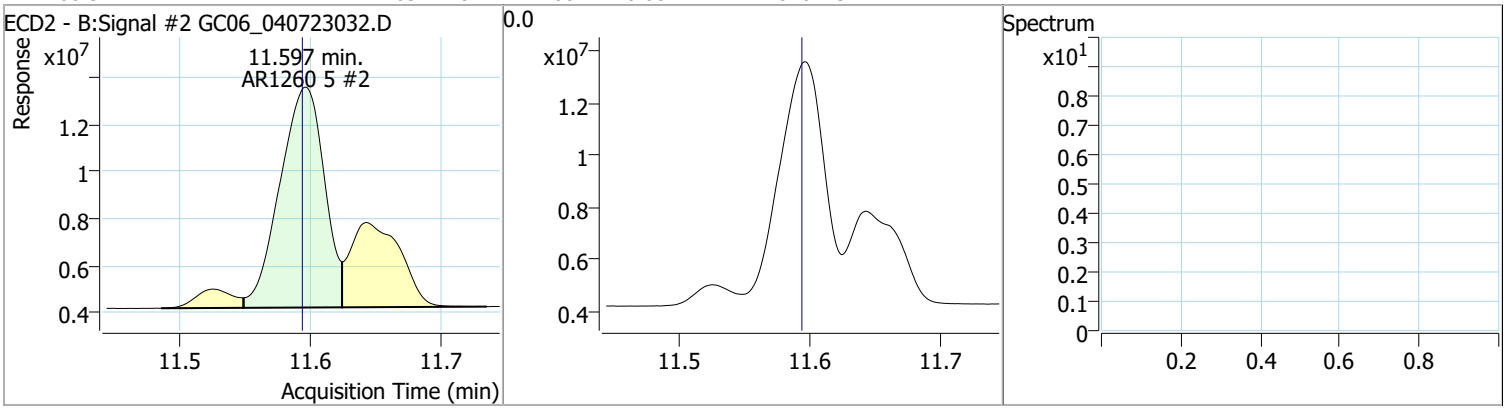
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	680.5043	10.52	0.00	24056912				



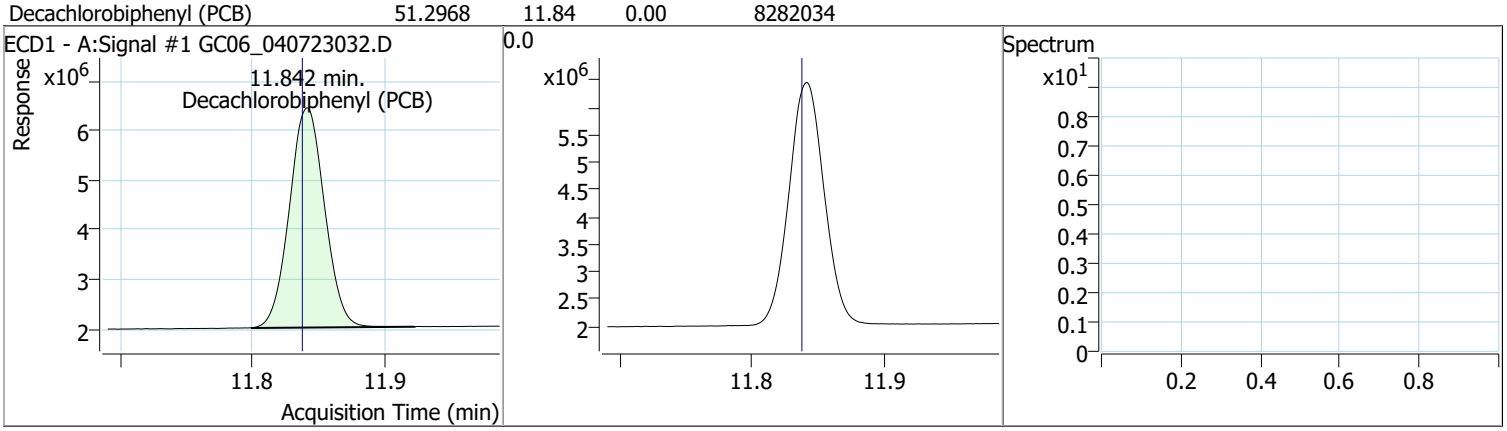
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	677.9200	10.94	0.00	14059982				



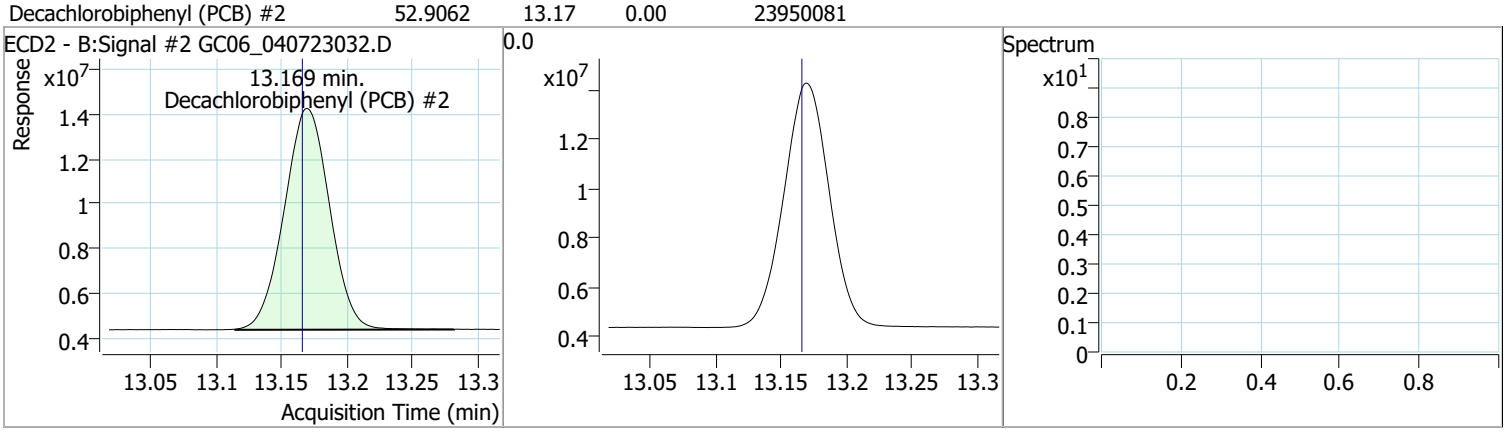
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	654.7287	11.60	0.00	22046443				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	51.2968	11.84	0.00	8282034				

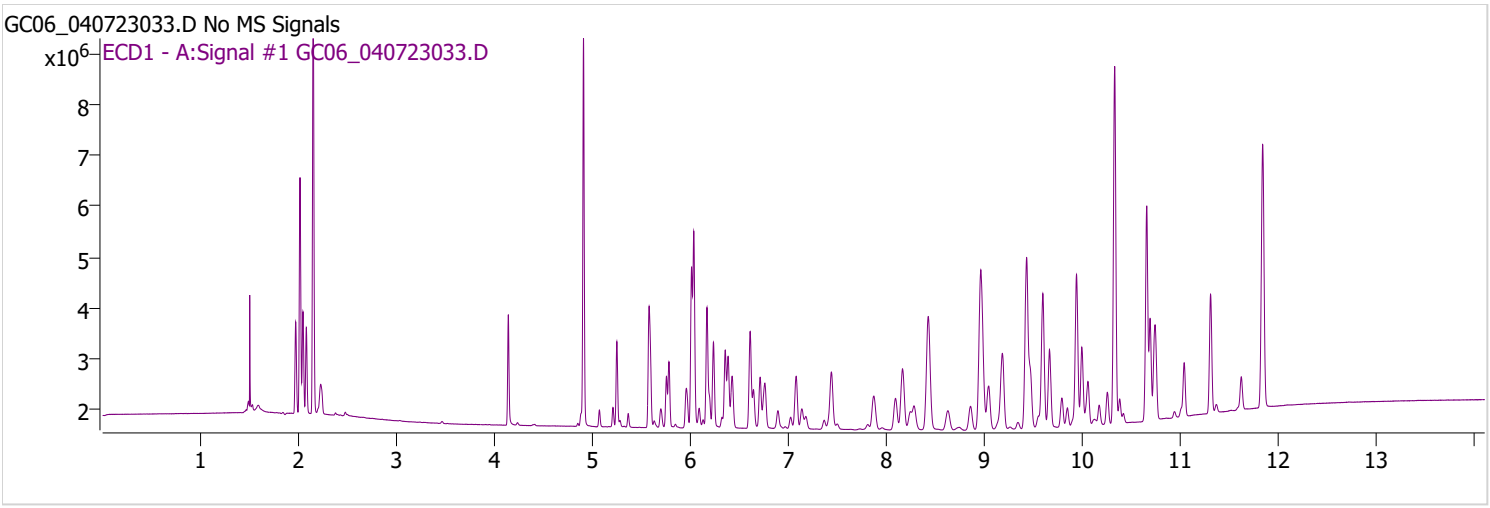


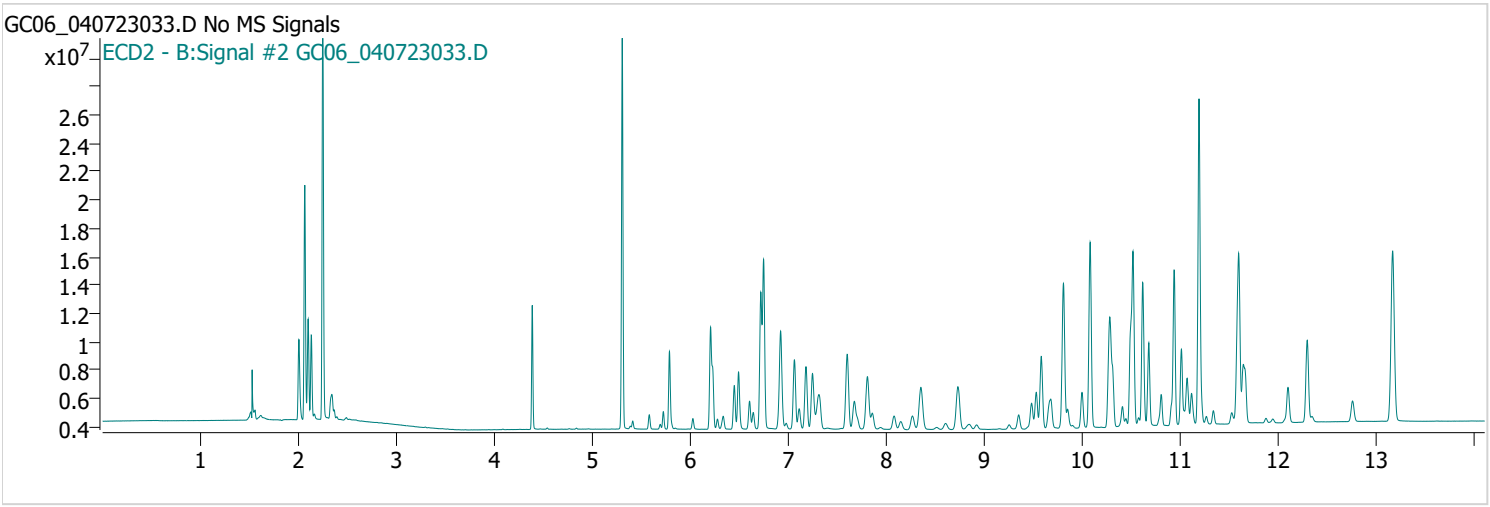
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	52.9062	13.17	0.00	23950081				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723033.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:38:13 AM
Sample Name	ICAL, S18186	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



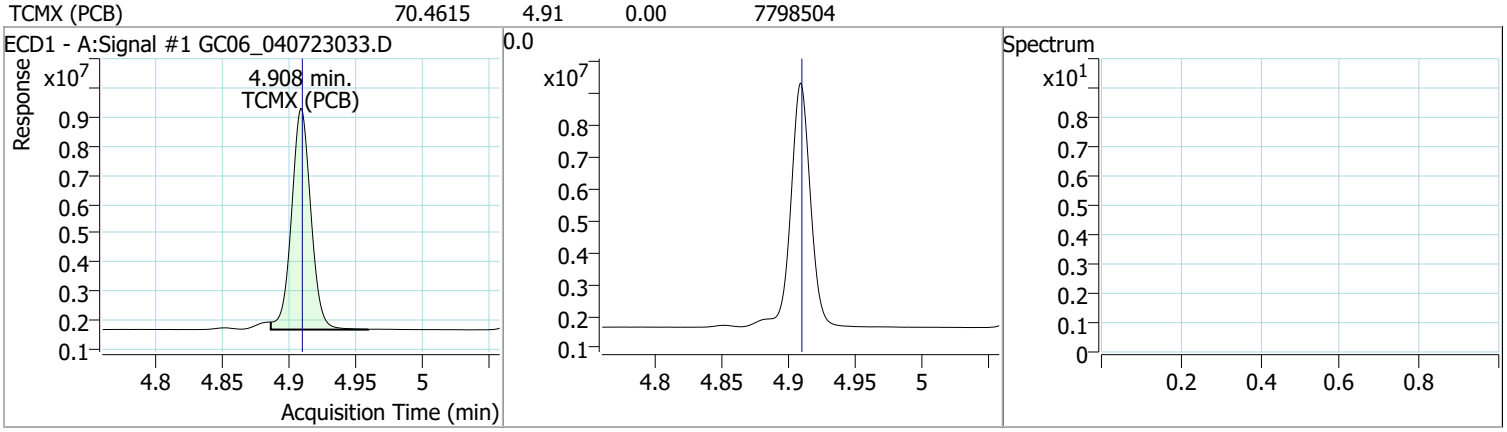


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2166949.835	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	7726199.867	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.908	0.0	7798504.069	70.4615	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 352.31%		*	
S TCMX (PCB) #2	5.304	0.0	28492704.505	74.4740	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.37%		*	
S Decachlorobiphenyl (PCB)	11.841	0.0	9988701.388	65.4135	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 327.07%		*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	28745397.695	66.8518	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 334.26%		*	
Target Compounds							QValue

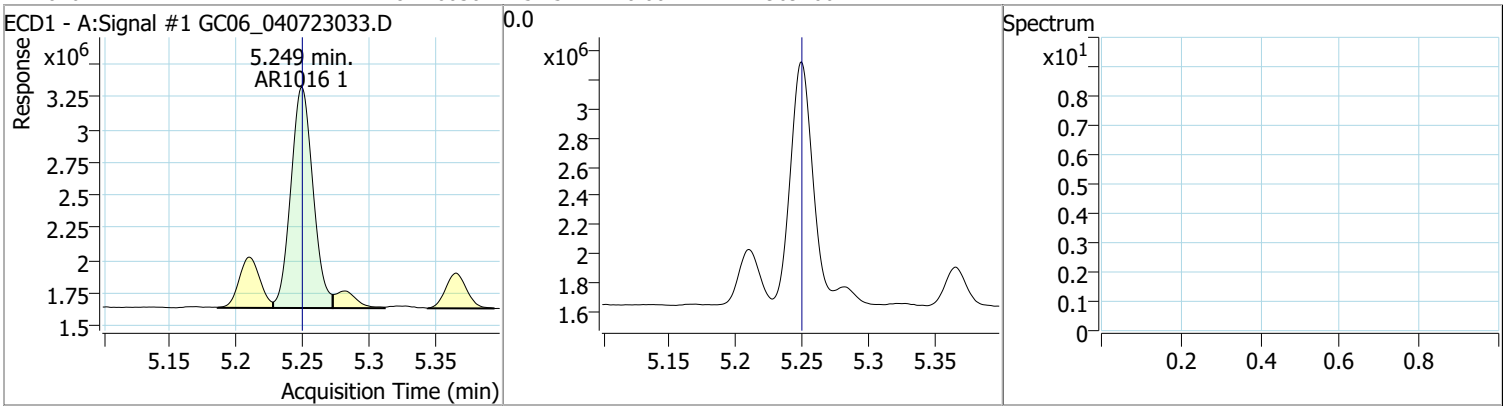
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1969765.586	874.0030	ng/ml	100
T AR1016 2	5.578	0.0	4139427.891	980.4410	ng/ml	100
T AR1016 1 #2	5.786	0.0	6903197.697	869.2421	ng/ml	100
T AR1016 3	6.034	0.0	5129510.493	973.4119	ng/ml	100
T AR1016 4	6.169	0.0	3854256.032	871.4765	ng/ml	100
T AR1016 2 #2	6.206	0.0	14628276.253	873.4545	ng/ml	100
T AR1016 5	6.356	0.0	2229285.143	859.4340	ng/ml	100
T AR1016 3 #2	6.747	0.0	18649082.820	877.6131	ng/ml	100
T AR1016 4 #2	6.921	0.0	13226089.147	865.1752	ng/ml	100
T AR1016 5 #2	7.600	0.0	10777115.585	856.1099	ng/ml	100
T AR1260 1	8.428	0.0	6090685.966	843.5680	ng/ml	100
T AR1260 2	8.964	0.0	9021663.164	826.7347	ng/ml	100
T AR1260 3	9.432	0.0	9568110.350	872.4071	ng/ml	100
T AR1260 1 #2	9.808	0.0	19164618.632	869.4185	ng/ml	100
T AR1260 4	9.941	0.0	5691142.647	838.4237	ng/ml	100
T AR1260 2 #2	10.080	0.0	22718105.795	833.0619	ng/ml	100
T AR1260 5	10.331	0.0	12092151.516	825.1179	ng/ml	100
T AR1260 3 #2	10.518	0.0	28957794.412	862.3849	ng/ml	100
T AR1260 4 #2	10.938	0.0	17001447.951	863.0267	ng/ml	100
T AR1260 5 #2	11.596	0.0	26565544.269	830.5891	ng/ml	100

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

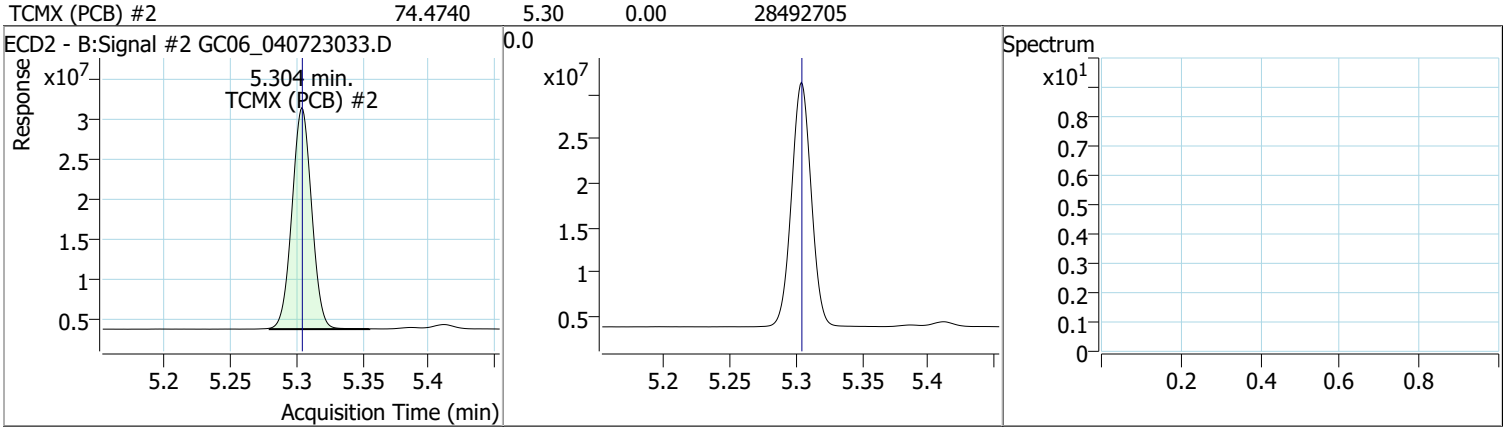
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	70.4615	4.91	0.00	7798504				



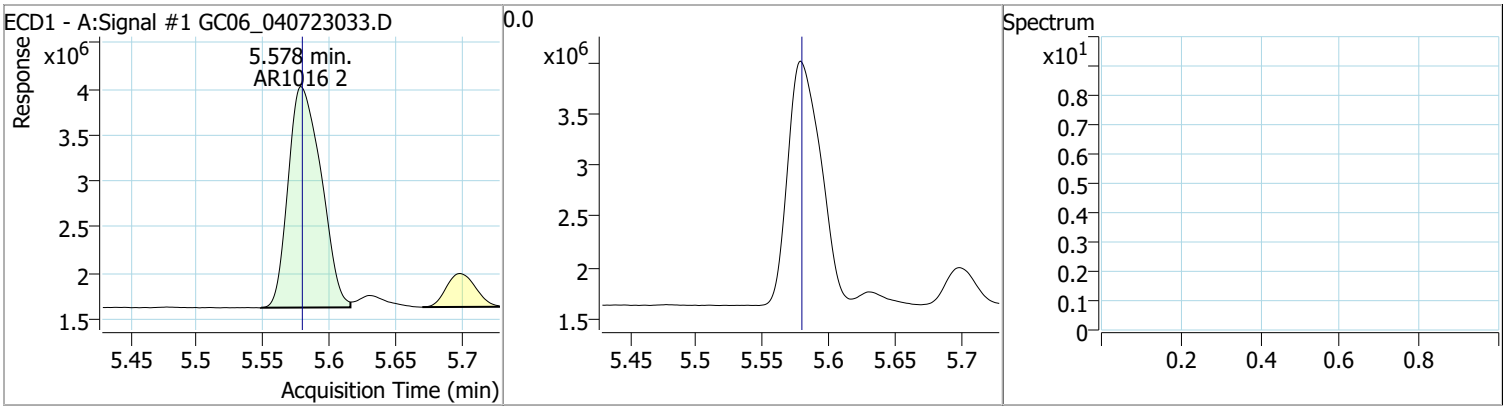
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	874.0030	5.25	0.00	1969766				



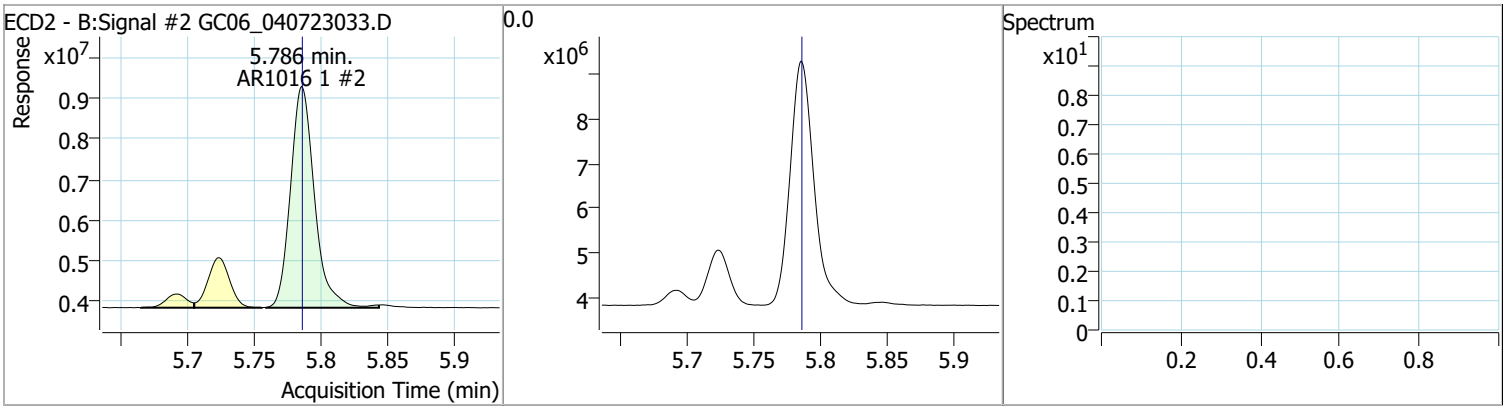
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	74.4740	5.30	0.00	28492705				



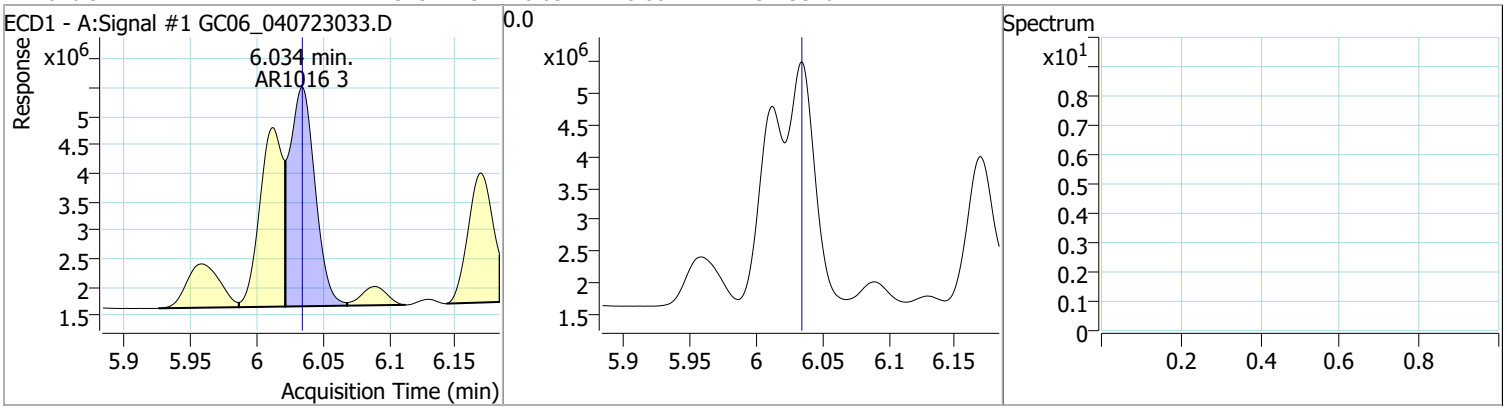
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	980.4410	5.58	0.00	4139428				



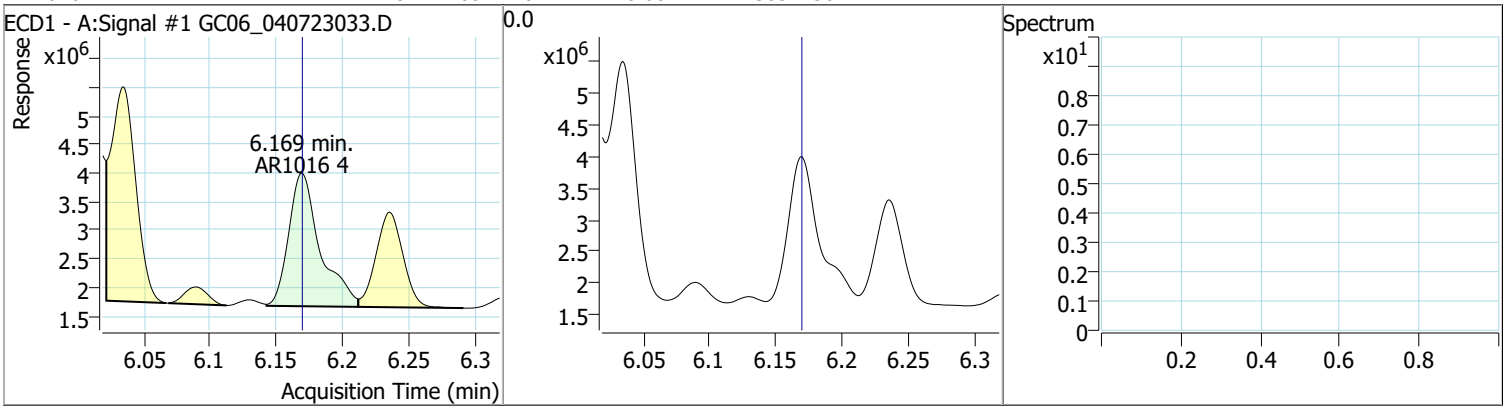
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	869.2421	5.79	0.00	6903198				



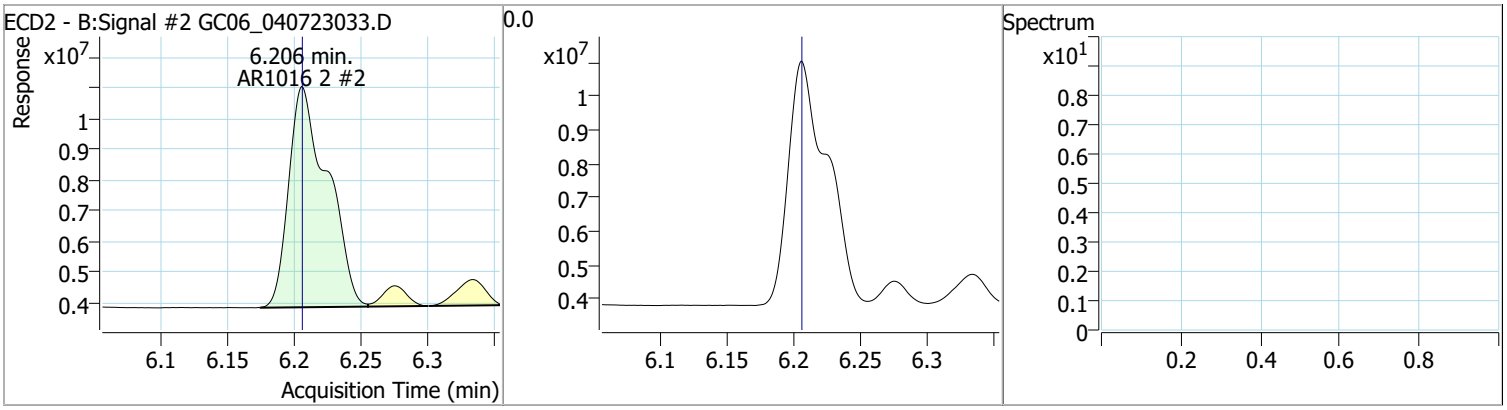
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	973.4119	6.03	0.00	5129510				



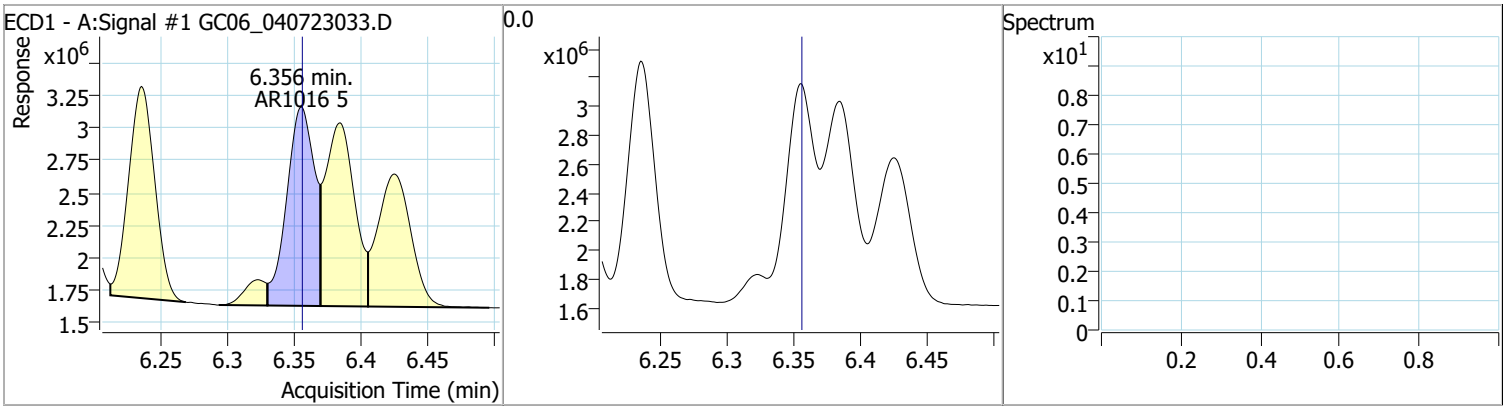
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	871.4765	6.17	0.00	3854256				



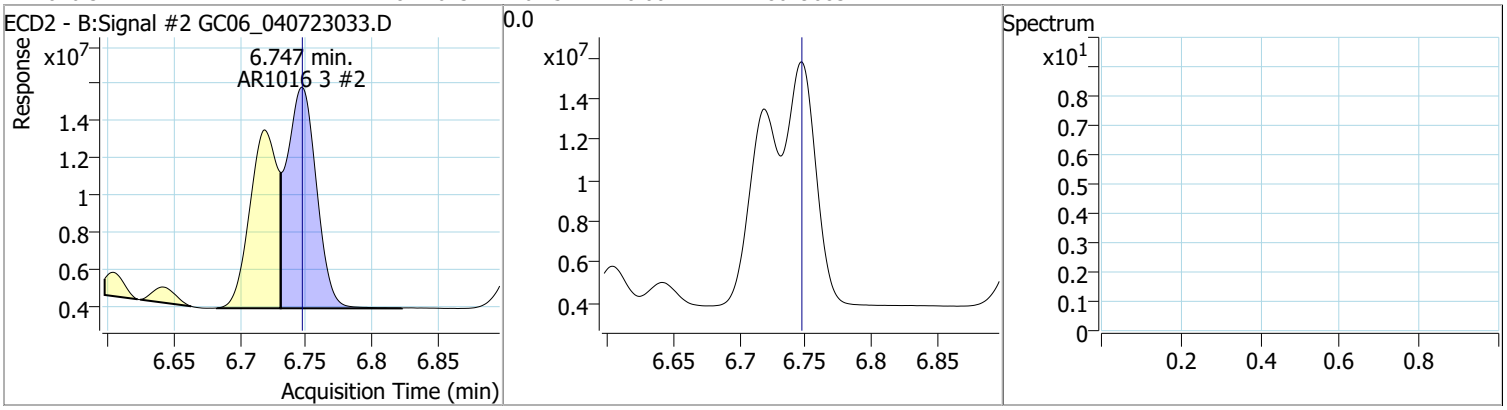
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	873.4545	6.21	0.00	14628276				



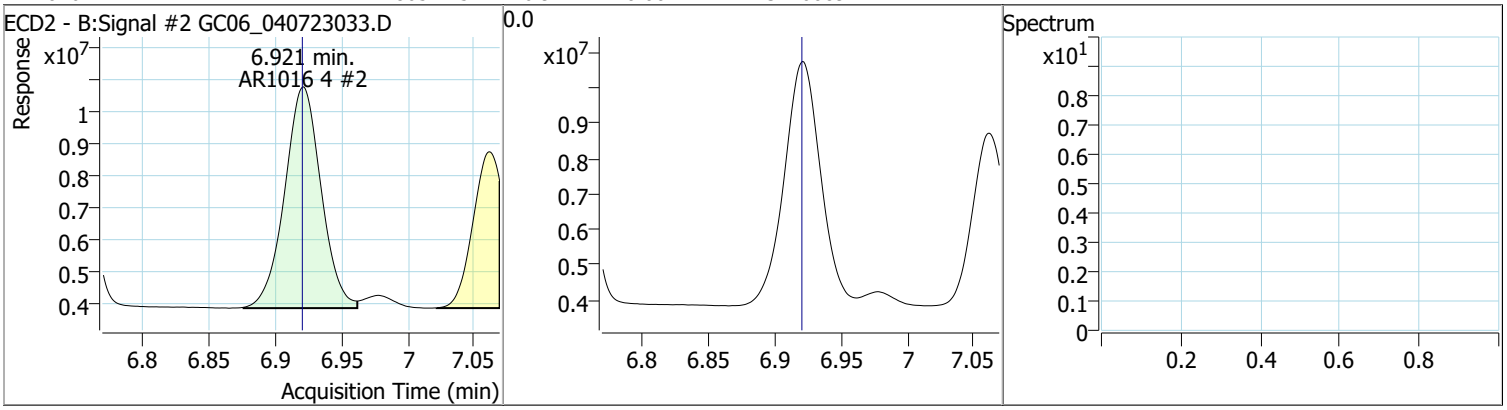
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	859.4340	6.36	0.00	2229285				



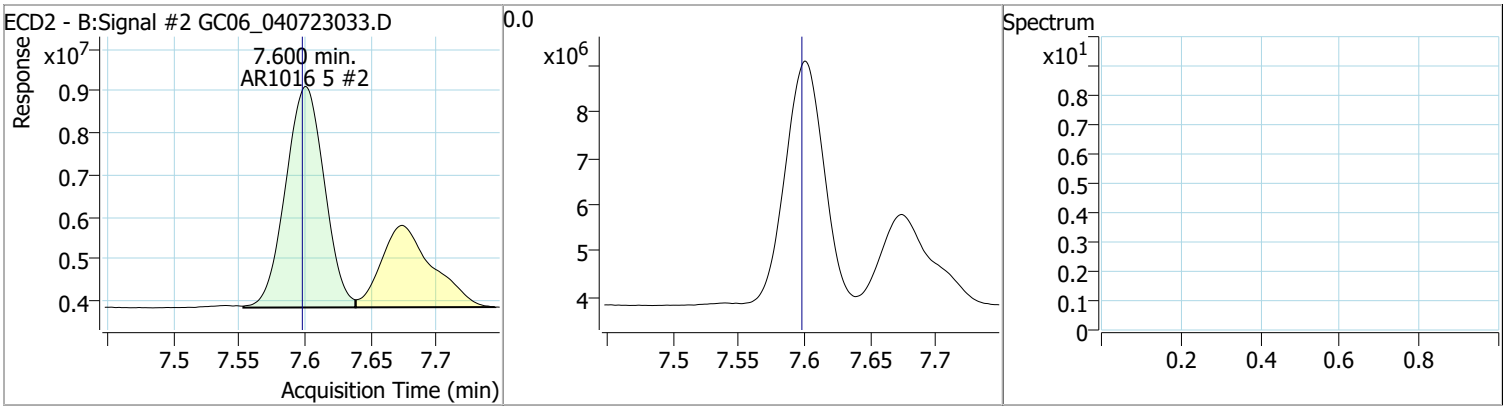
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	877.6131	6.75	0.00	18649083				



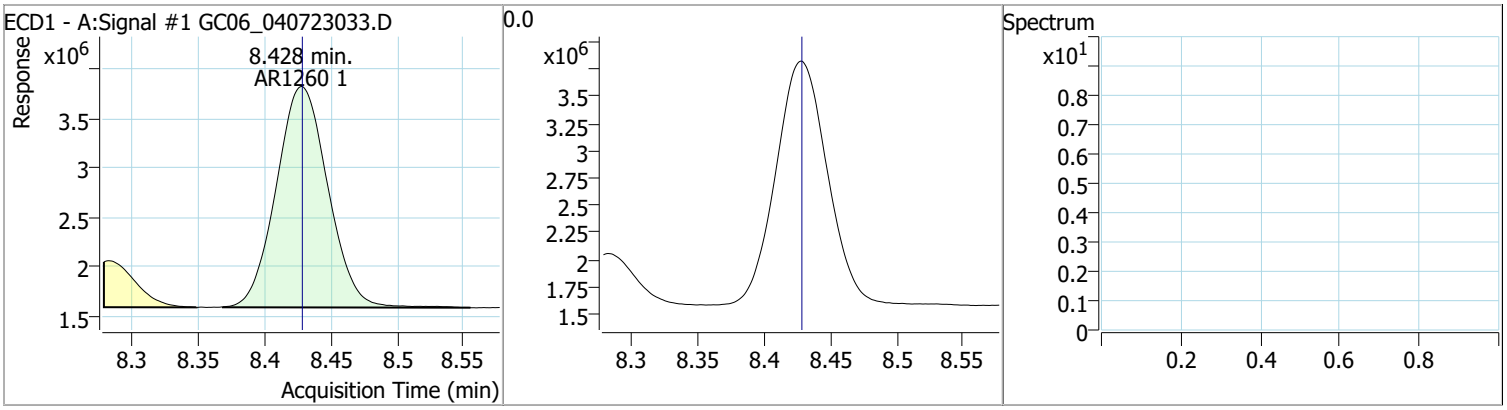
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	865.1752	6.92	0.00	13226089				



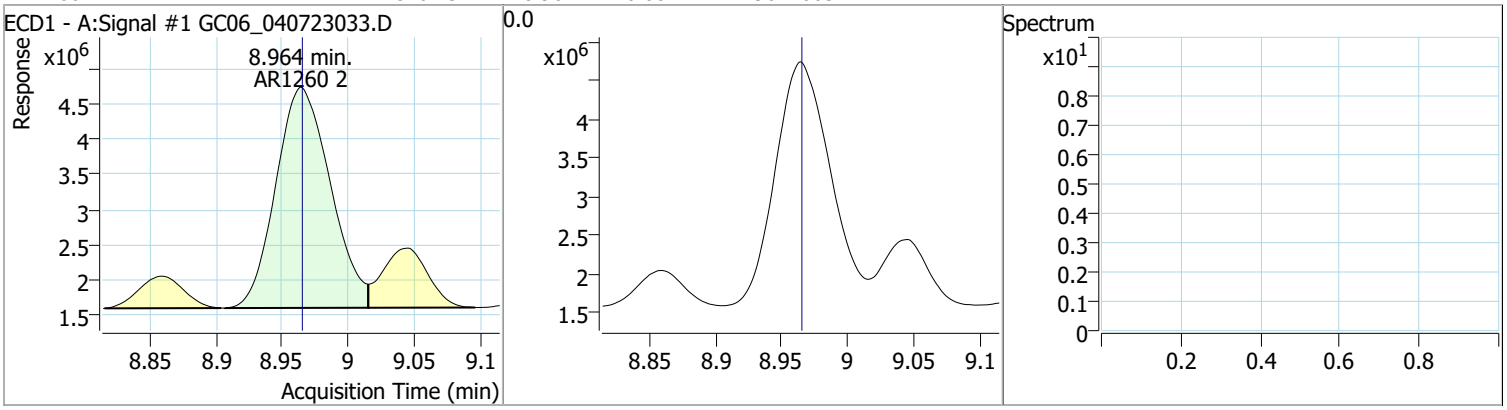
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AR1016 5 #2	856.1099	7.60	0.00	10777116				



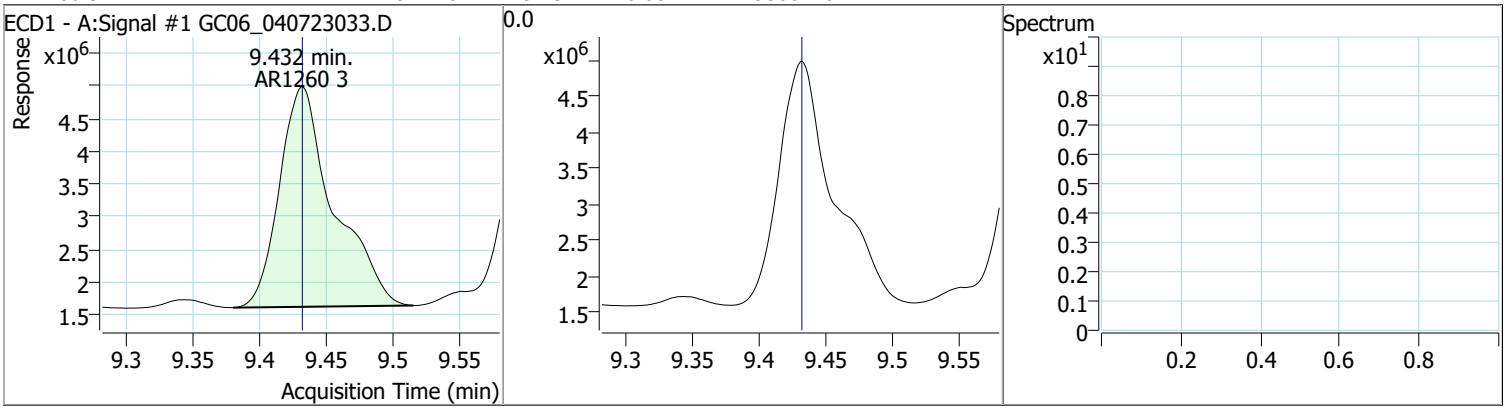
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	843.5680	8.43	0.00	6090686				



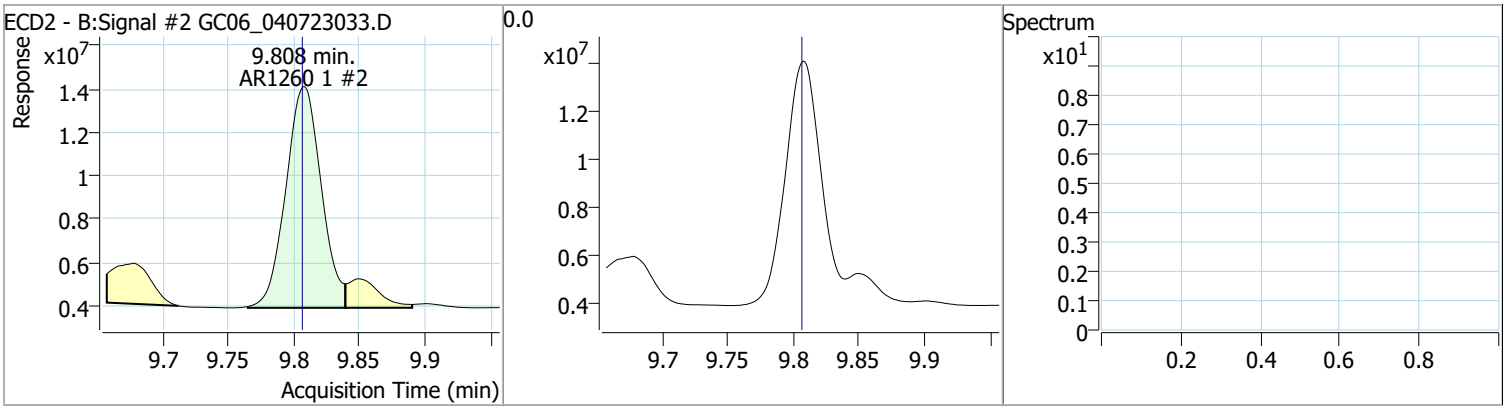
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	826.7347	8.96	0.00	9021663				



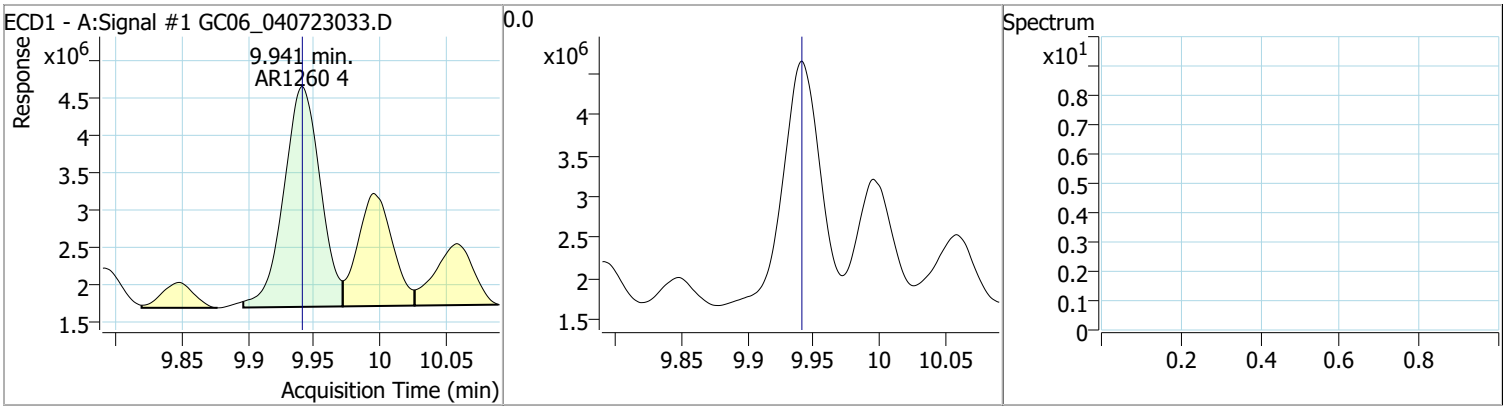
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	872.4071	9.43	0.00	9568110				



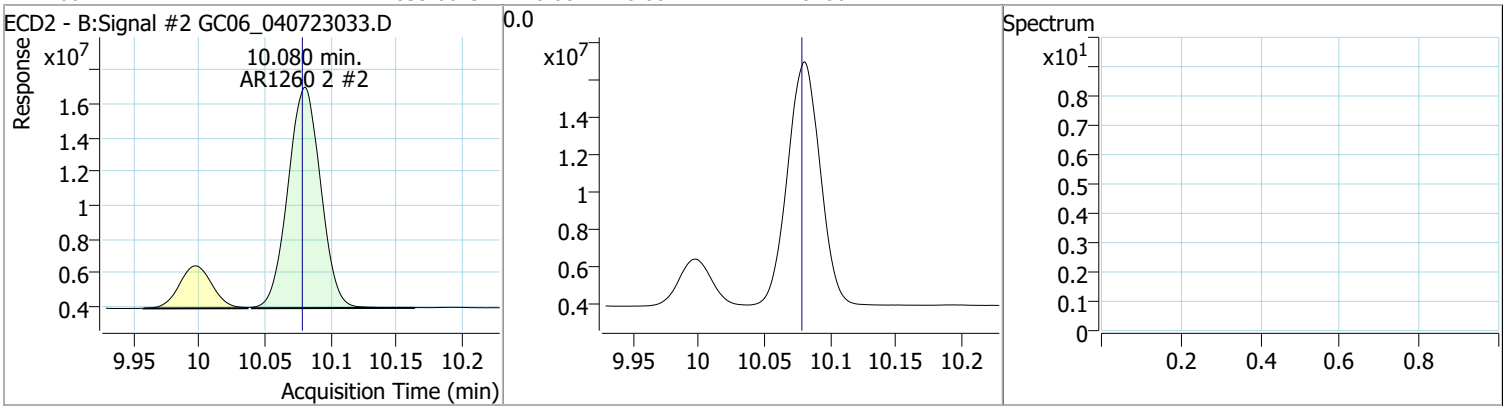
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	869.4185	9.81	0.00	19164619				



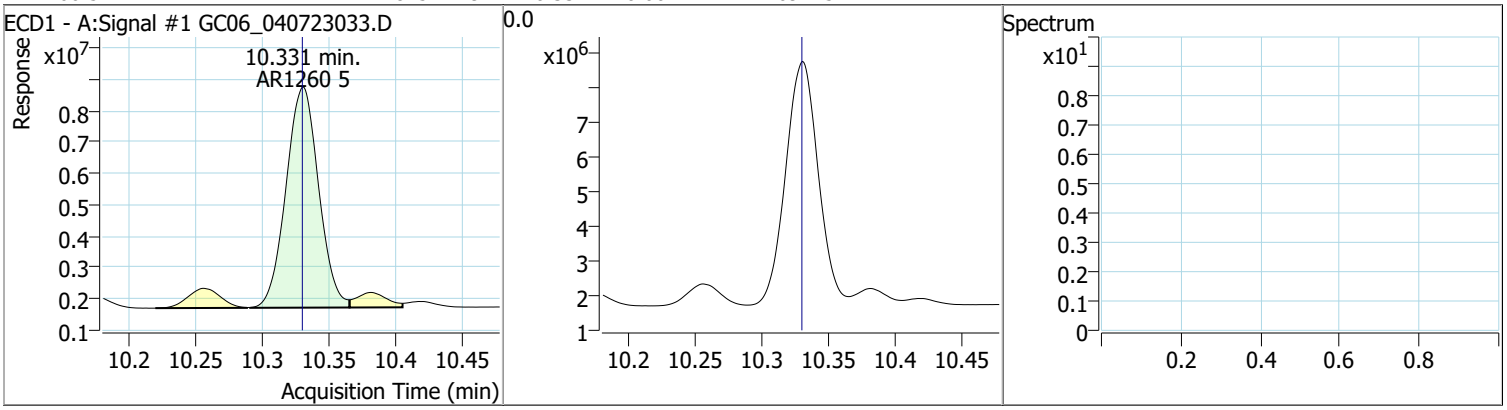
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	838.4237	9.94	0.00	5691143				



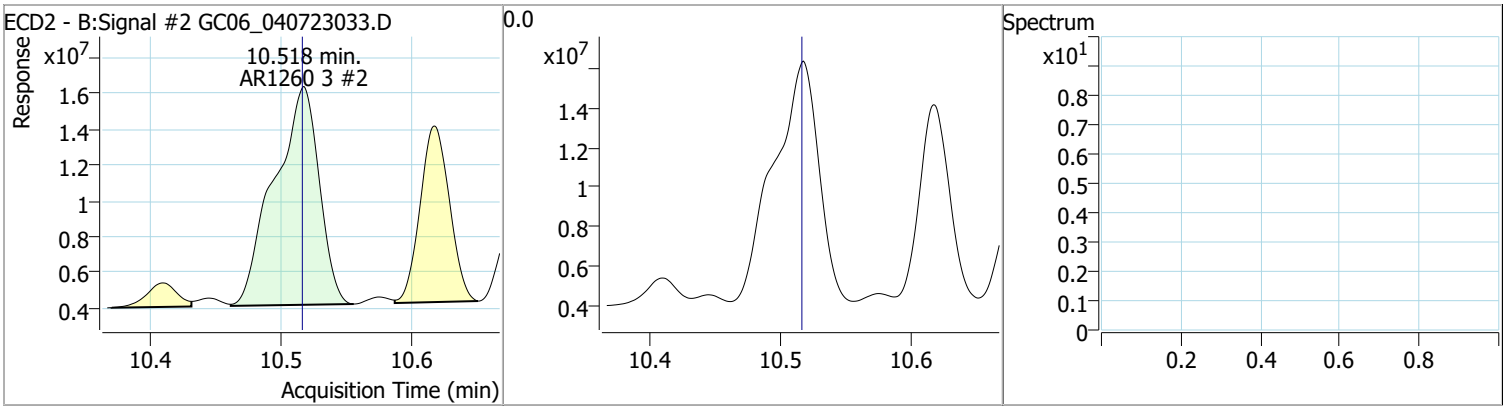
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	833.0619	10.08	0.00	22718106				



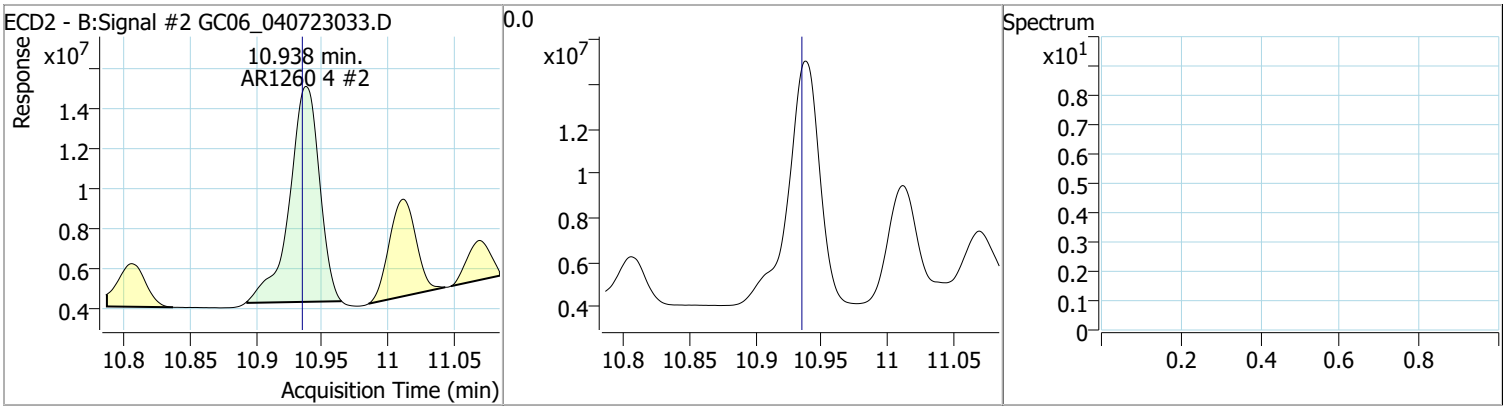
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	825.1179	10.33	0.00	12092152				



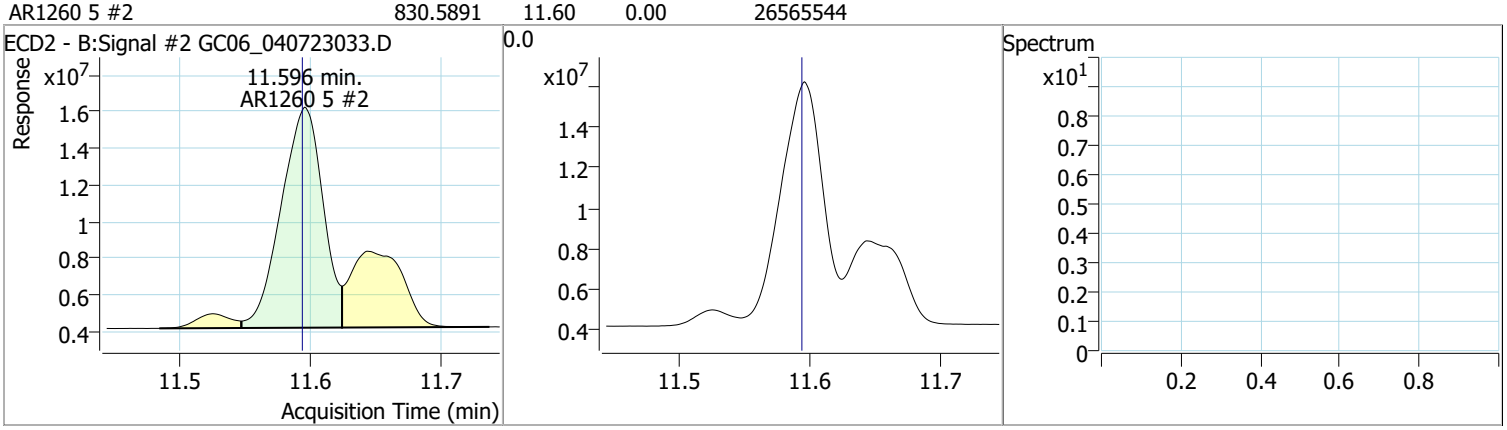
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	862.3849	10.52	0.00	28957794				



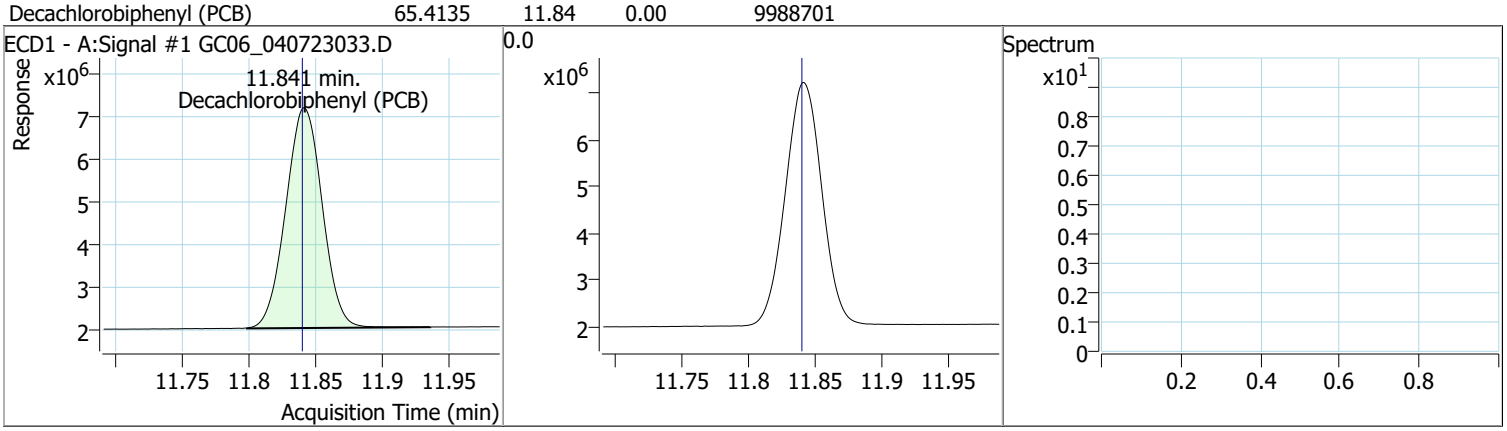
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	863.0267	10.94	0.00	17001448				



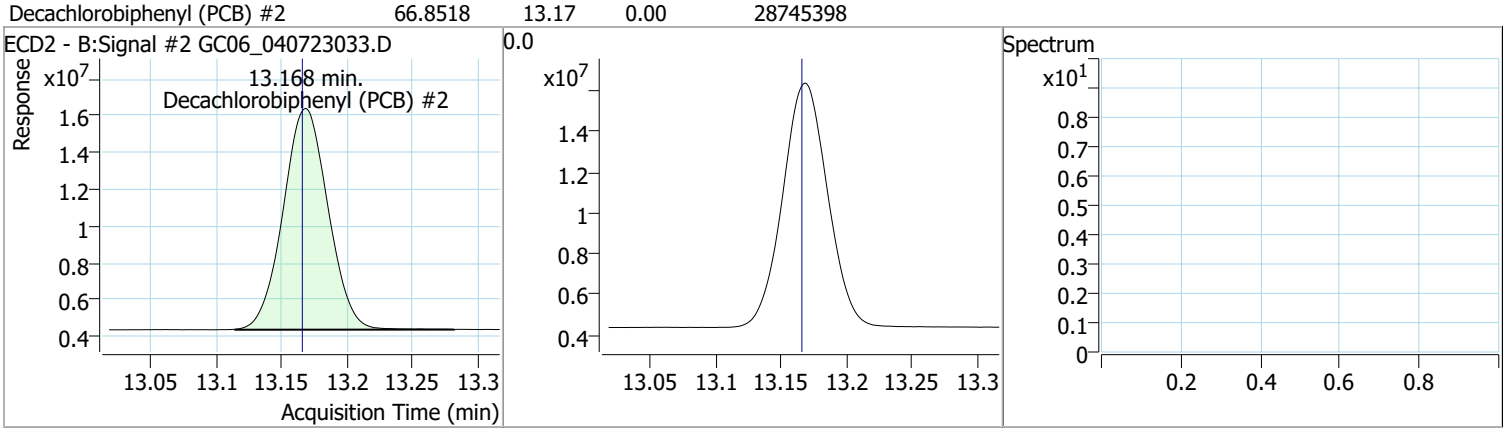
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	830.5891	11.60	0.00	26565544				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	65.4135	11.84	0.00	9988701				

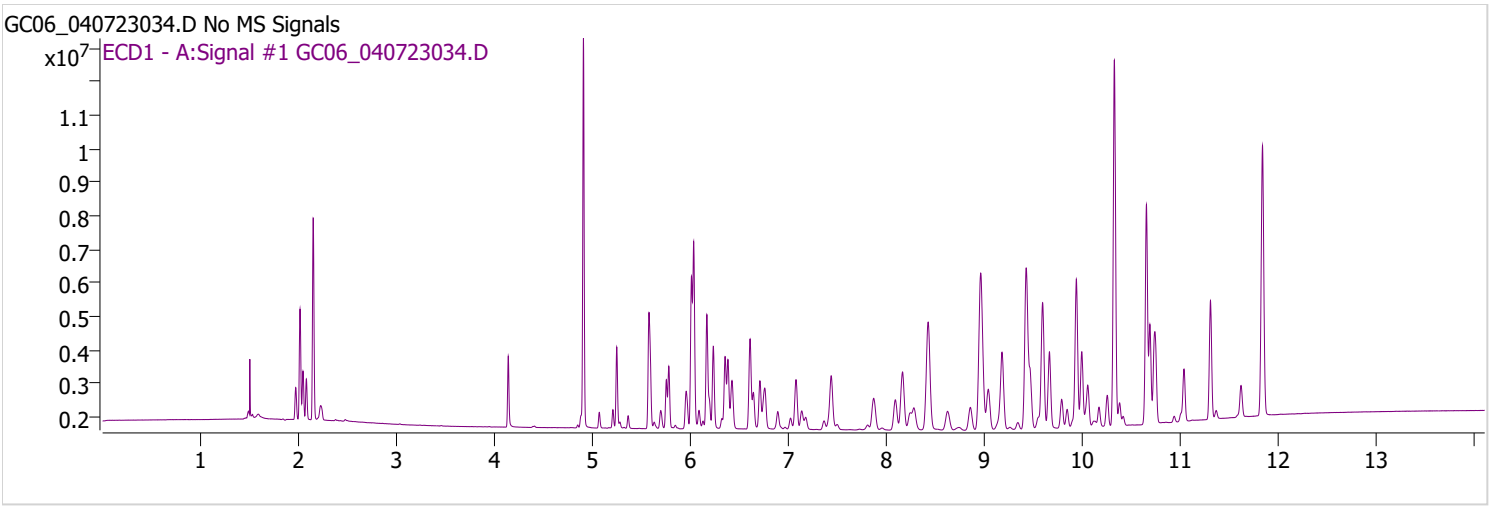


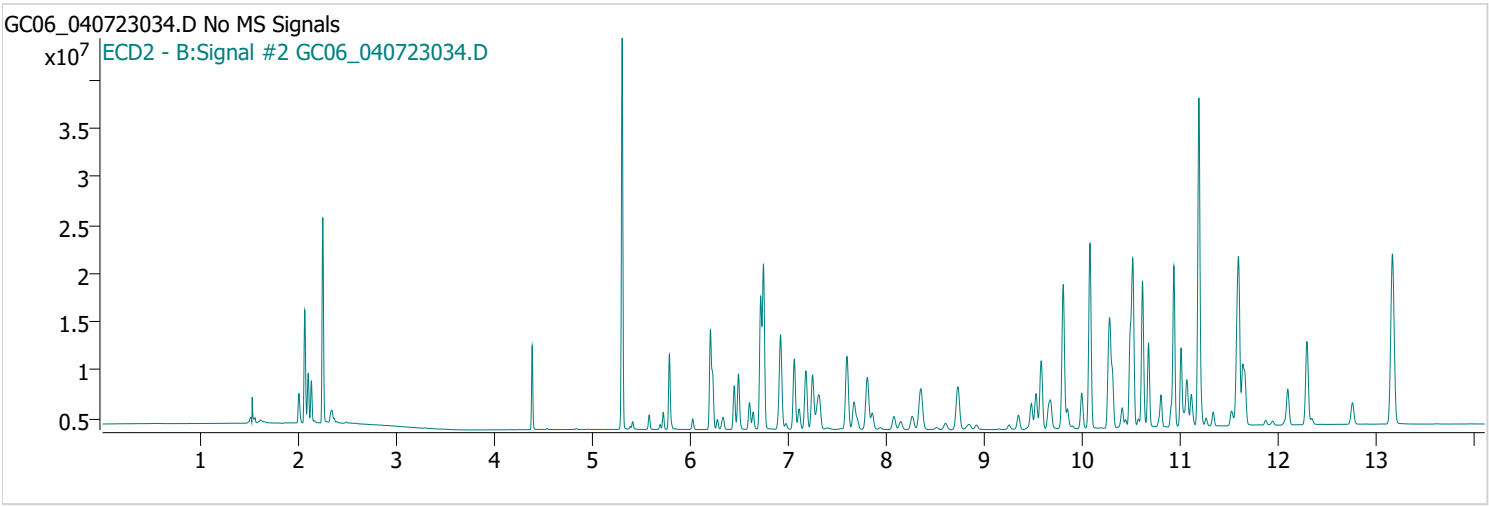
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	66.8518	13.17	0.00	28745398				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723034.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:56:25 AM
Sample Name	ICAL, S18187	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



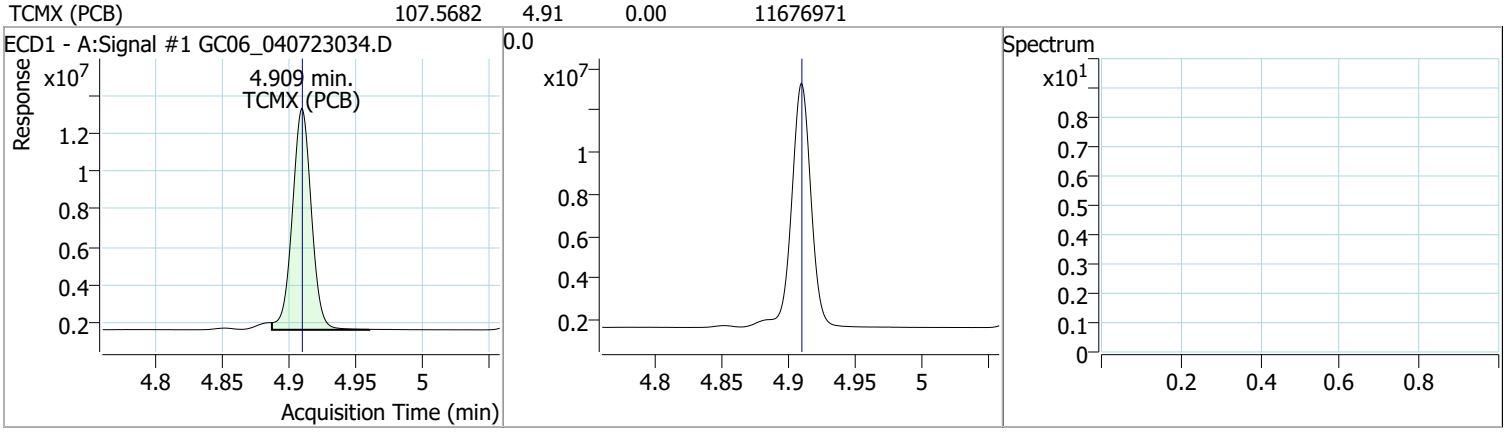


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2125377.322	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	7612708.147	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	11676971.130	107.5682	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.84%		*	
S TCMX (PCB) #2	5.304	0.0	42205194.839	111.9602	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 559.80%		*	
S Decachlorobiphenyl (PCB)	11.843	0.0	14996569.544	100.1298	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 500.65%		*	
S Decachlorobiphenyl (PCB) #2	13.169	0.0	43255297.436	102.0964	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 510.48%		*	
Target Compounds							QValue

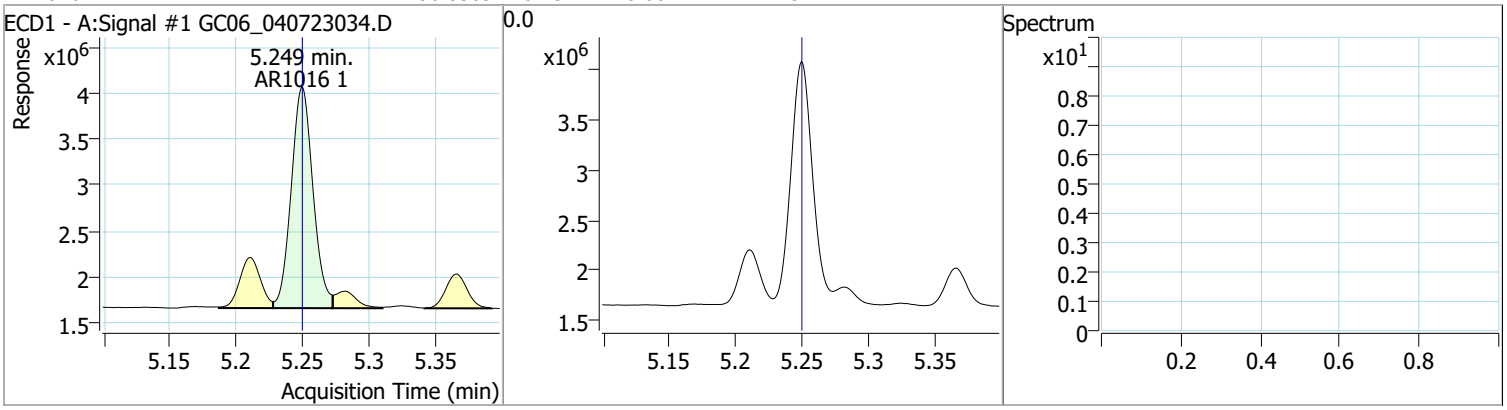
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	2778213.811	1256.8309	ng/ml	100
T AR1016 2	5.578	0.0	5840611.613	1473.9391	ng/ml	100
T AR1016 1 #2	5.787	0.0	9823941.179	1255.4602	ng/ml	100
T AR1016 3	6.035	0.0	7472699.845	1484.5900	ng/ml	100
T AR1016 4	6.169	0.0	5500292.965	1267.9839	ng/ml	100
T AR1016 2 #2	6.206	0.0	20809537.367	1261.0617	ng/ml	100
T AR1016 5	6.355	0.0	3140041.411	1234.2272	ng/ml	100
T AR1016 3 #2	6.747	0.0	26620122.905	1271.4006	ng/ml	100
T AR1016 4 #2	6.922	0.0	19024538.492	1263.0295	ng/ml	100
T AR1016 5 #2	7.599	0.0	15523484.468	1251.5348	ng/ml	100
T AR1260 1	8.428	0.0	8765600.936	1237.7941	ng/ml	100
T AR1260 2	8.965	0.0	13119176.546	1225.7416	ng/ml	100
T AR1260 3	9.430	0.0	14093227.306	1310.1357	ng/ml	100
T AR1260 1 #2	9.808	0.0	27769755.455	1278.5789	ng/ml	100
T AR1260 4	9.942	0.0	8349770.437	1254.1557	ng/ml	100
T AR1260 2 #2	10.081	0.0	32978330.018	1227.3278	ng/ml	100
T AR1260 5	10.330	0.0	18276931.932	1271.5357	ng/ml	100
T AR1260 3 #2	10.518	0.0	42770124.591	1292.7154	ng/ml	100
T AR1260 4 #2	10.938	0.0	24936104.164	1284.6762	ng/ml	100
T AR1260 5 #2	11.597	0.0	39940383.602	1267.3789	ng/ml	100

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

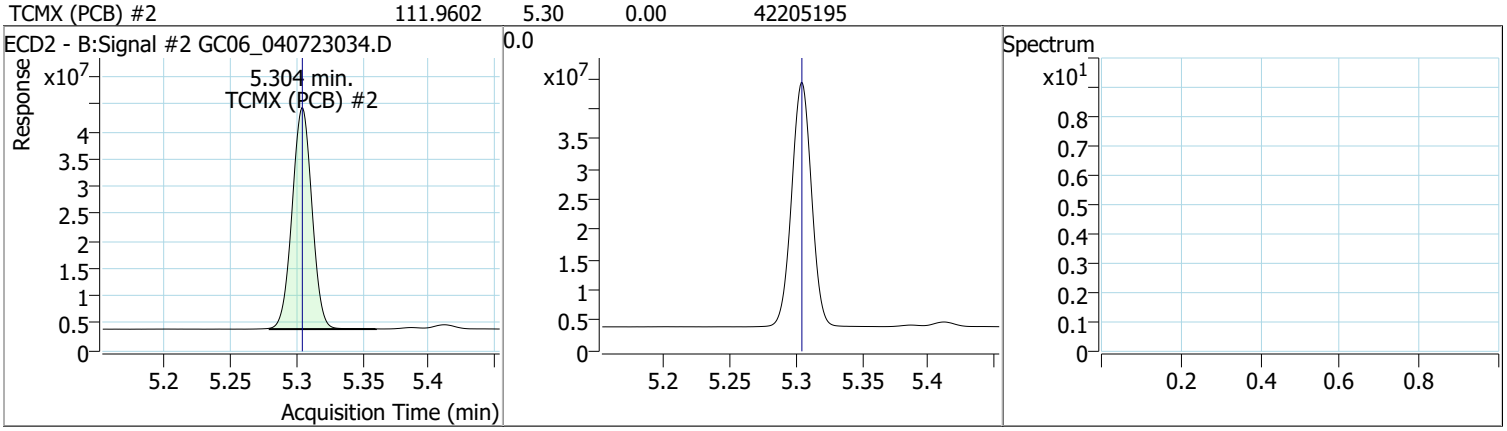
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	107.5682	4.91	0.00	11676971				



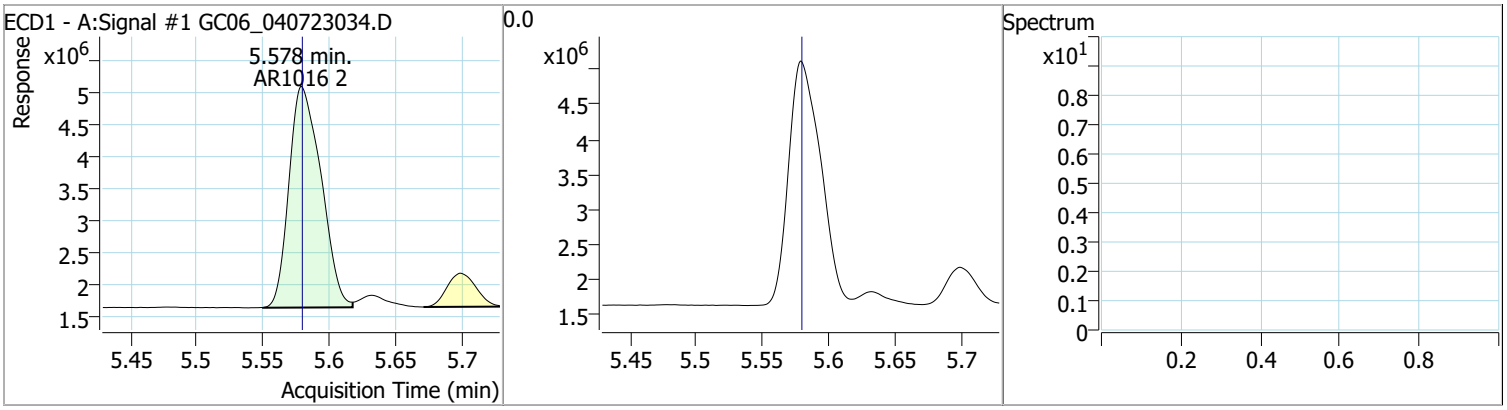
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1256.8309	5.25	0.00	2778214				



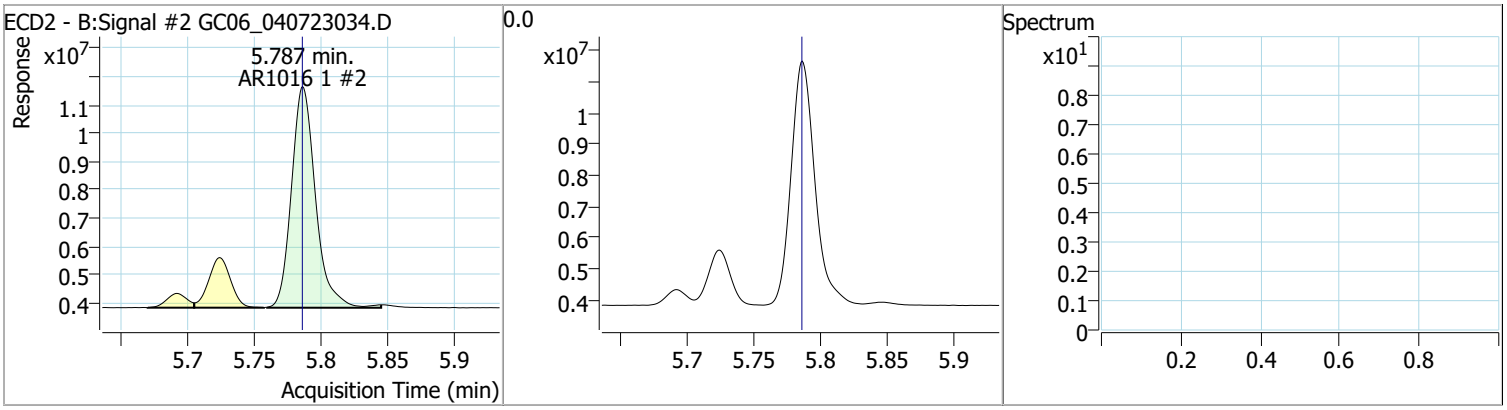
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	111.9602	5.30	0.00	42205195				



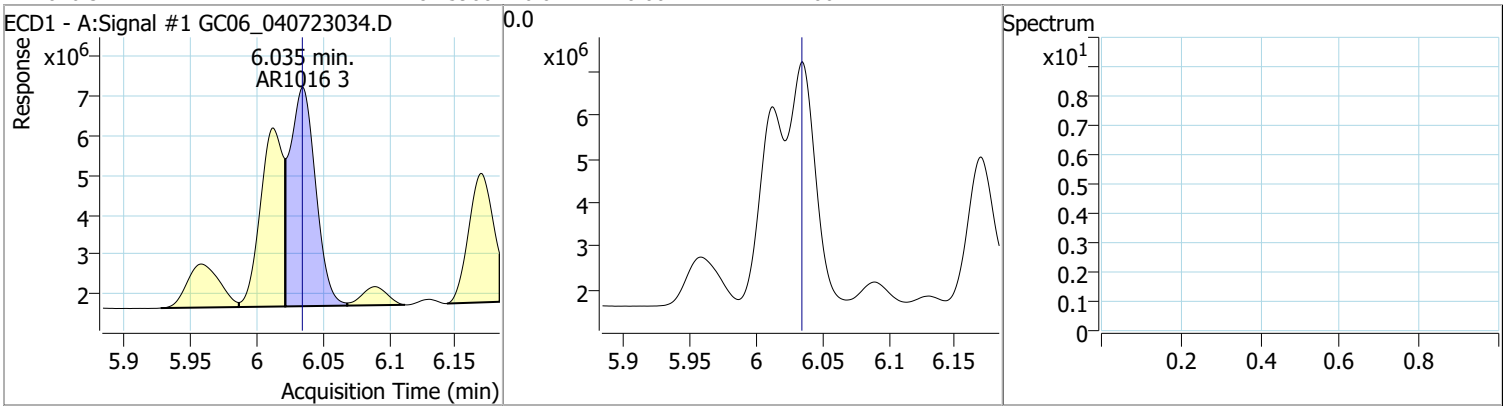
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1473.9391	5.58	0.00	5840612				



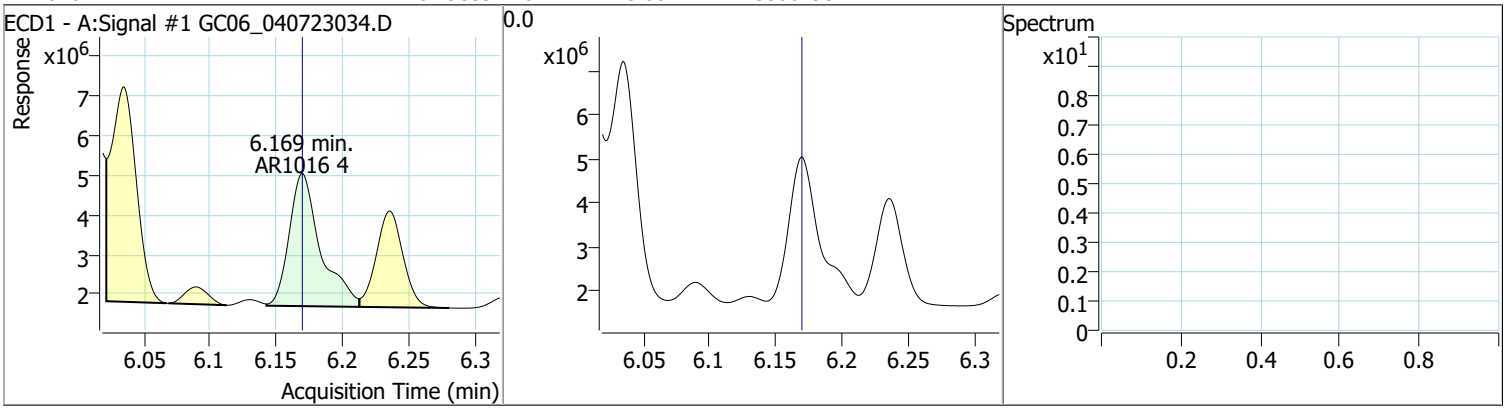
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1255.4602	5.79	0.00	9823941				



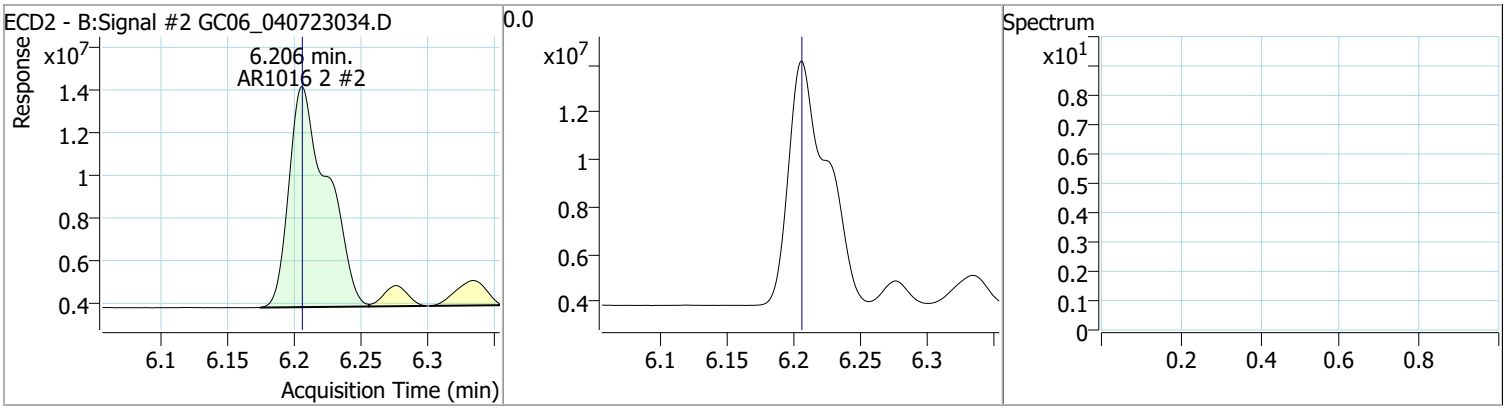
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1484.5900	6.04	0.00	7472700				



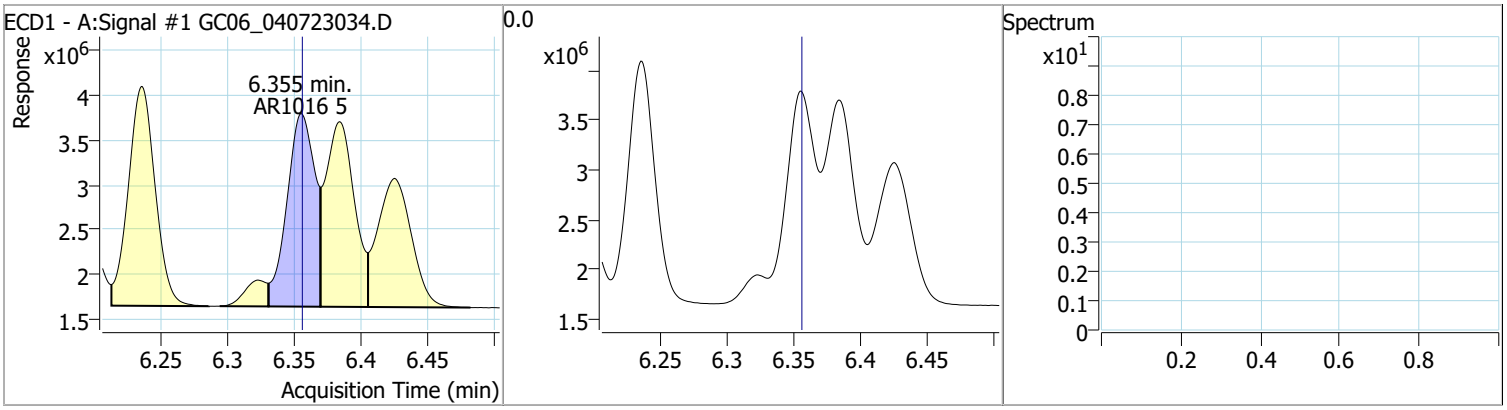
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1267.9839	6.17	0.00	5500293				



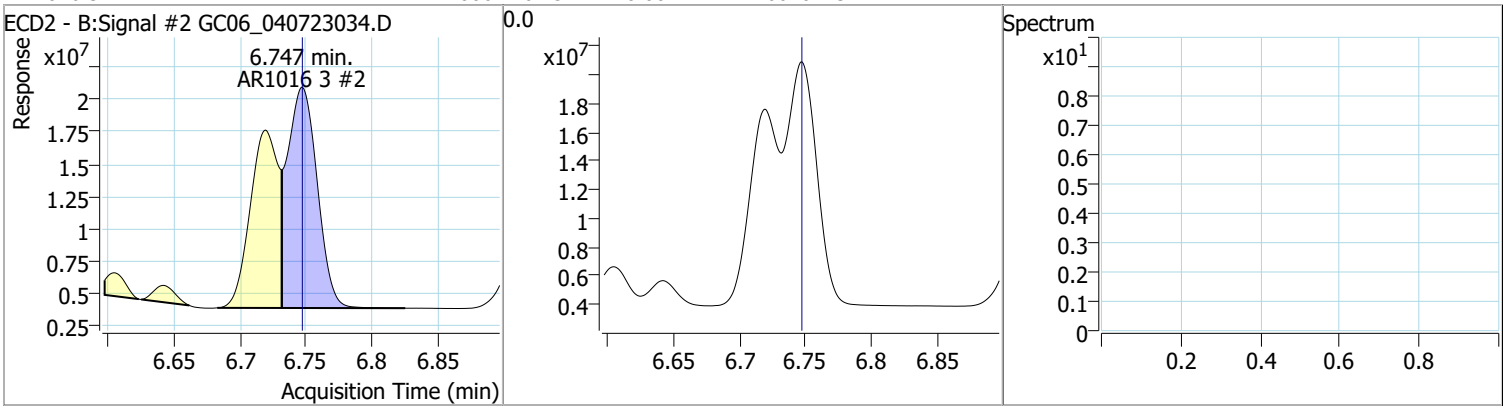
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1261.0617	6.21	0.00	20809537				



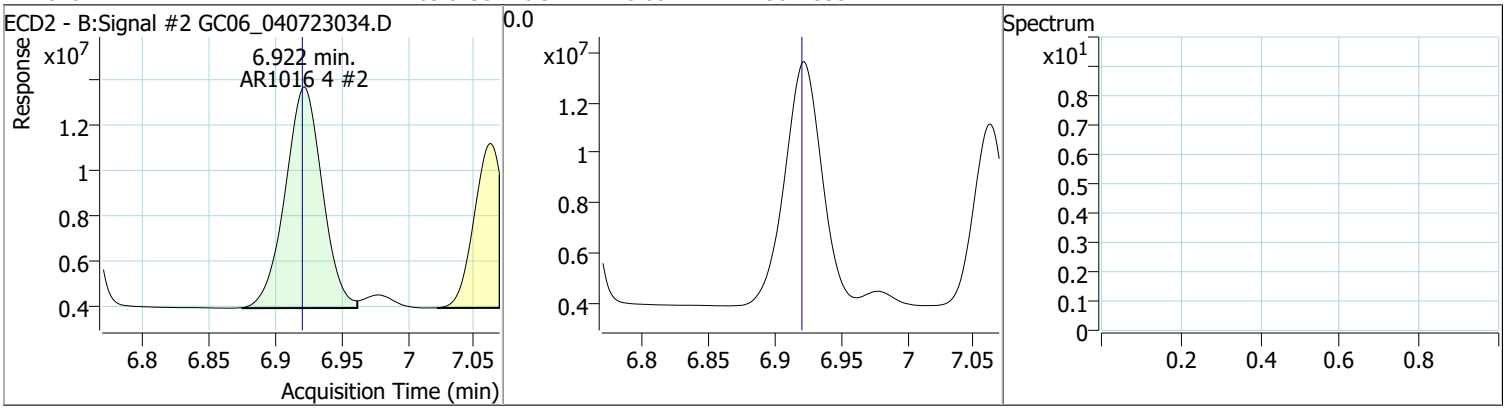
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1234.2272	6.36	0.00	3140041				



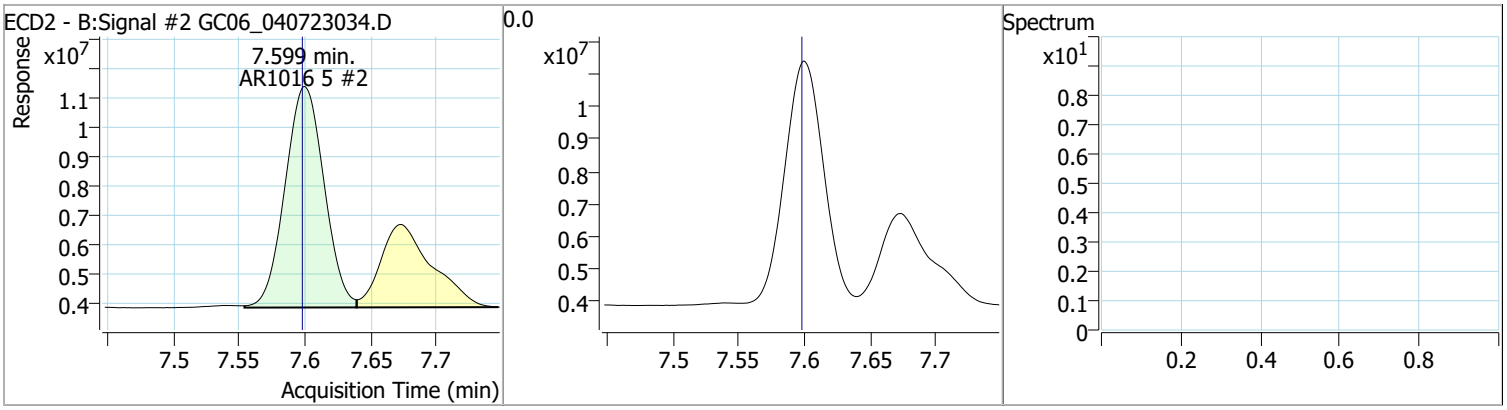
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1271.4006	6.75	0.00	26620123				



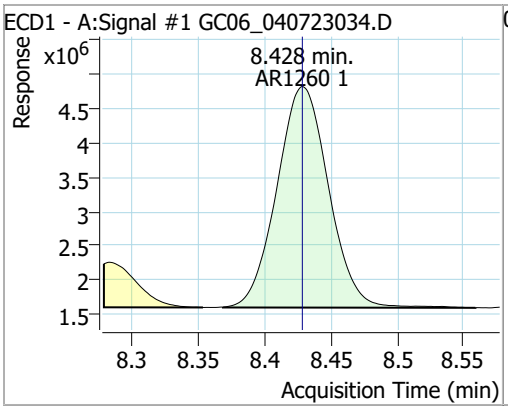
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1263.0295	6.92	0.00	19024538				

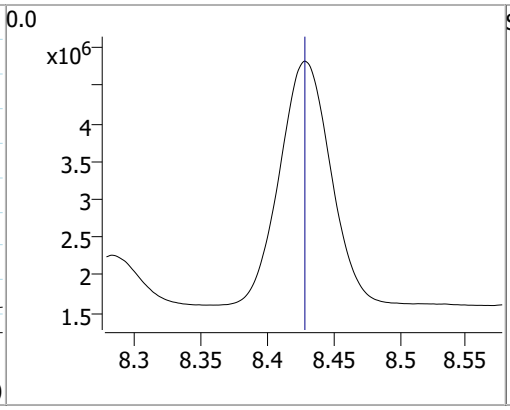


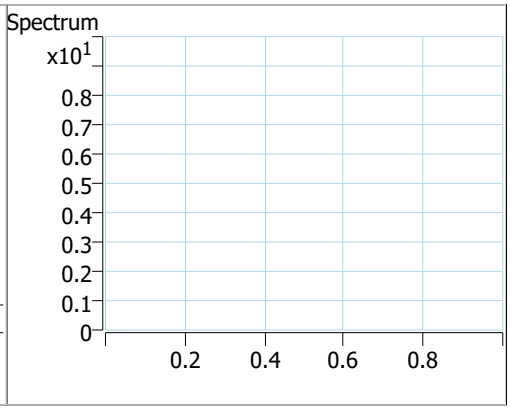
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1251.5348	7.60	0.00	15523484				



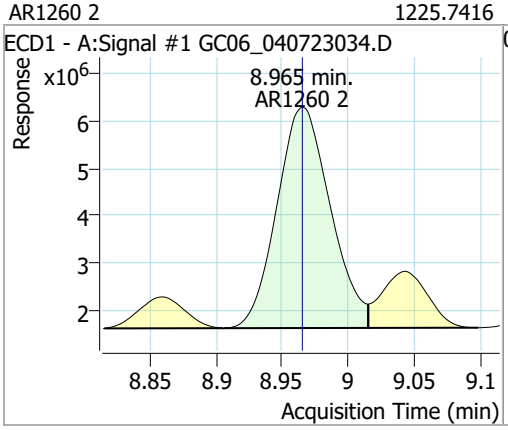
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1237.7941	8.43	0.00	8765601				

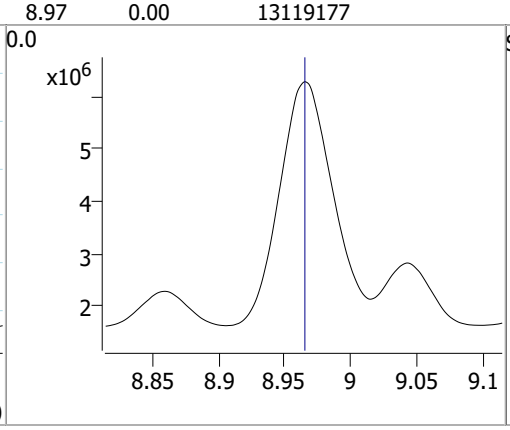


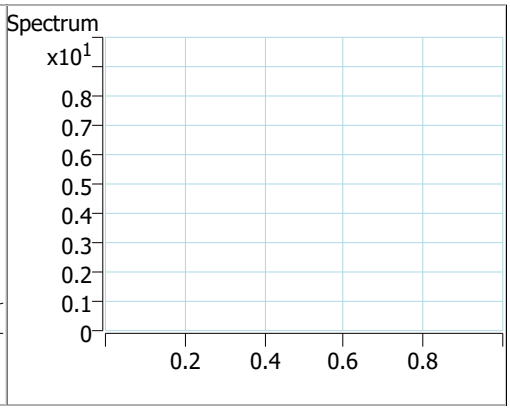




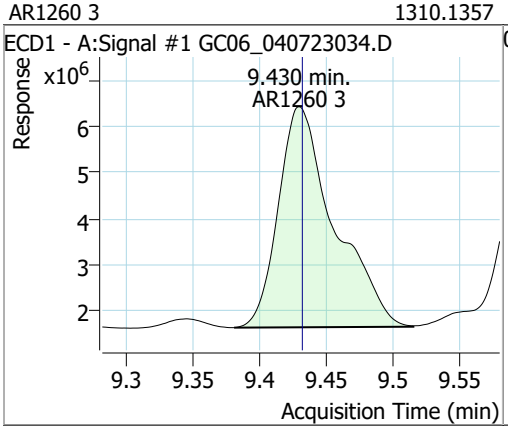
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1225.7416	8.97	0.00	13119177				

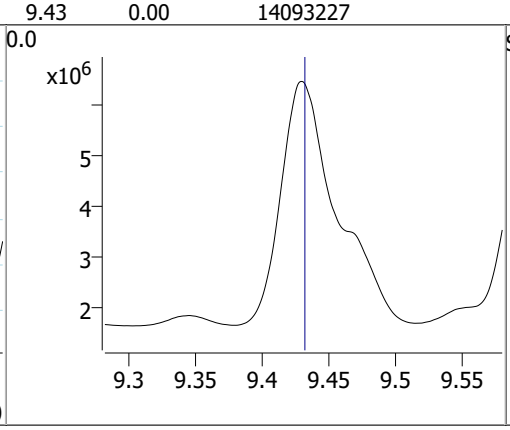


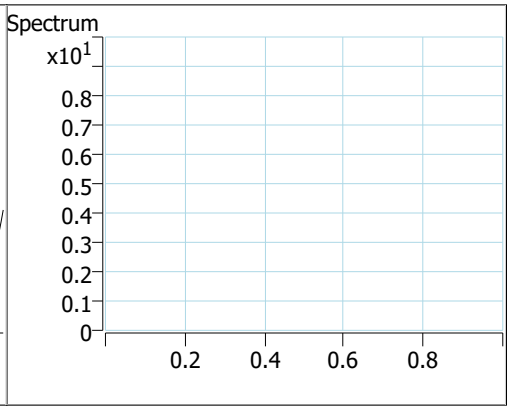




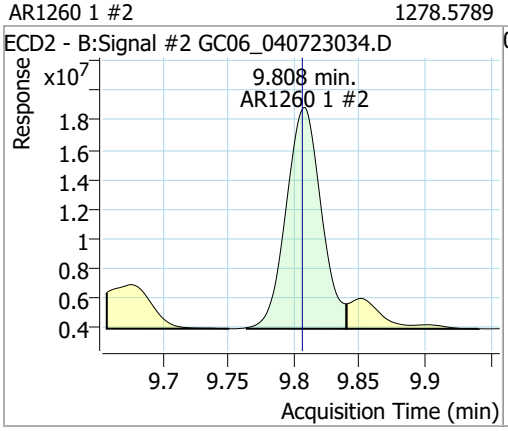
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1310.1357	9.43	0.00	14093227				

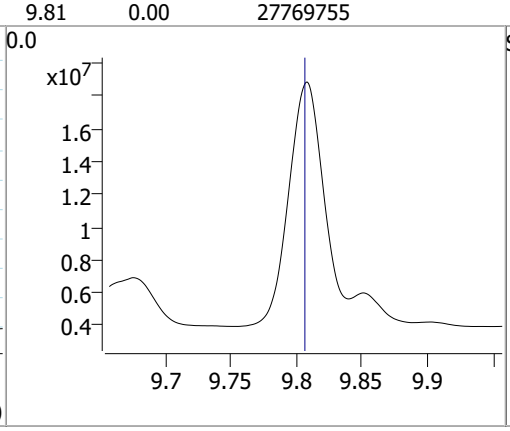


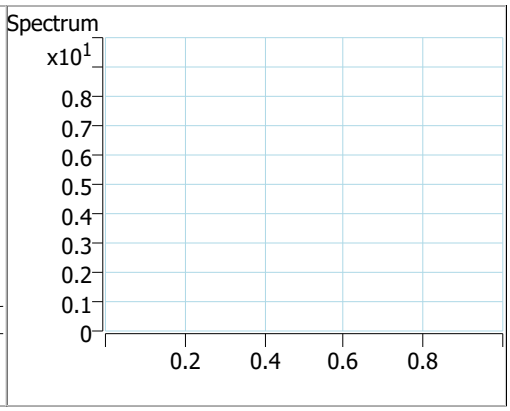




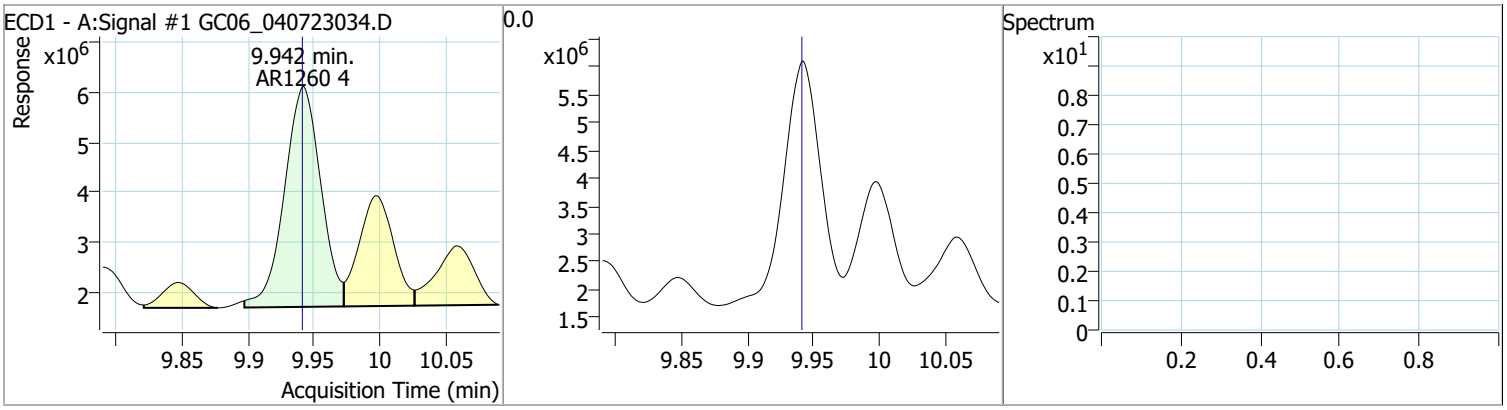
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1278.5789	9.81	0.00	27769755				



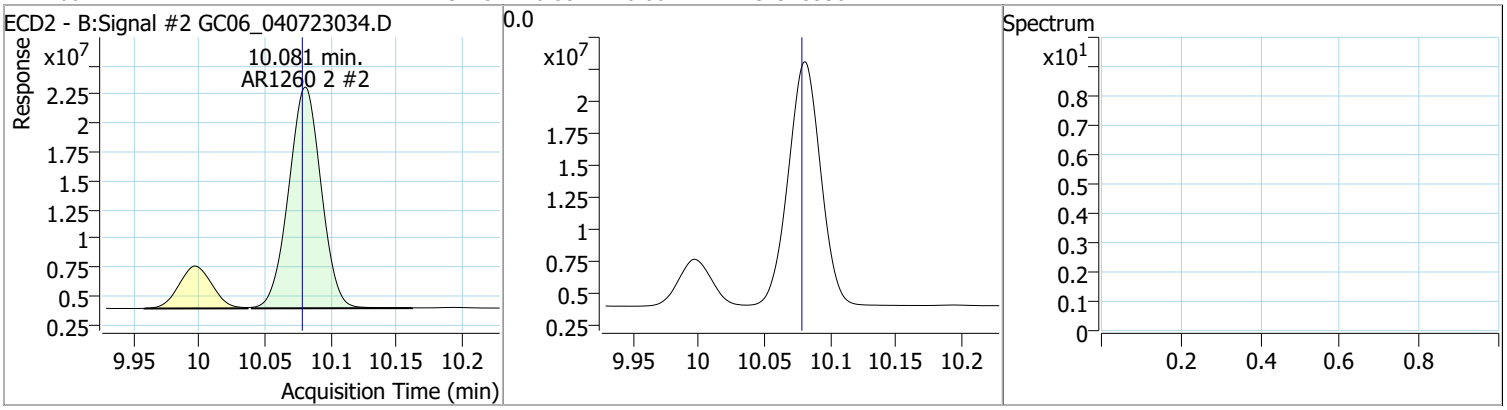




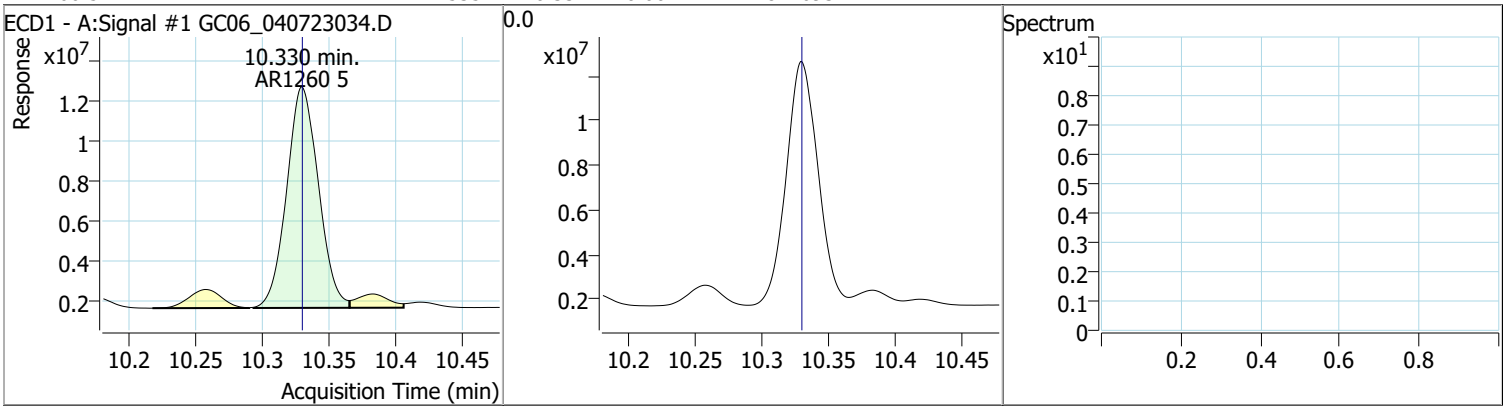
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1254.1557	9.94	0.00	8349770				



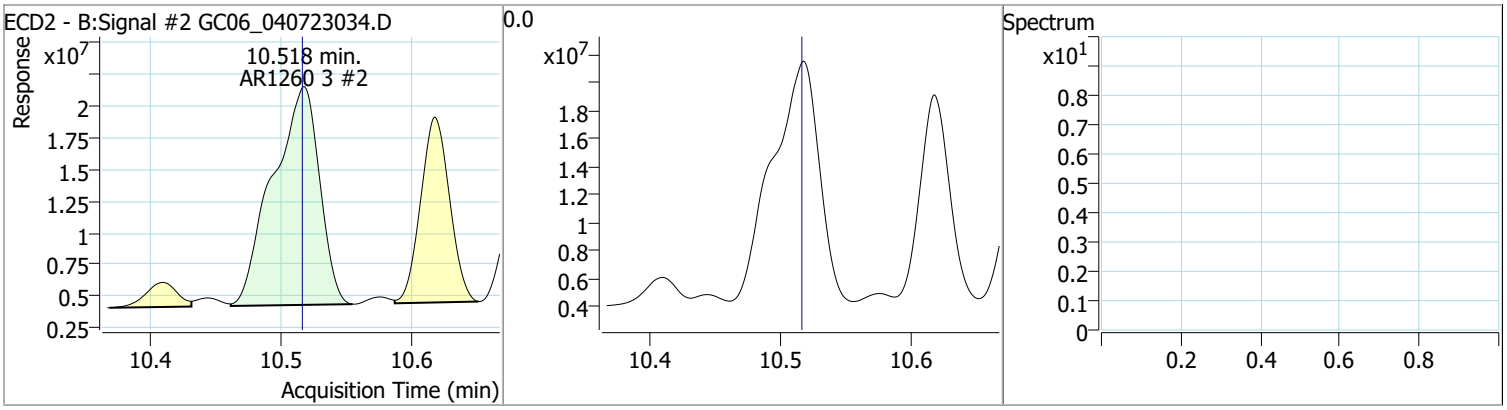
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1227.3278	10.08	0.00	32978330				



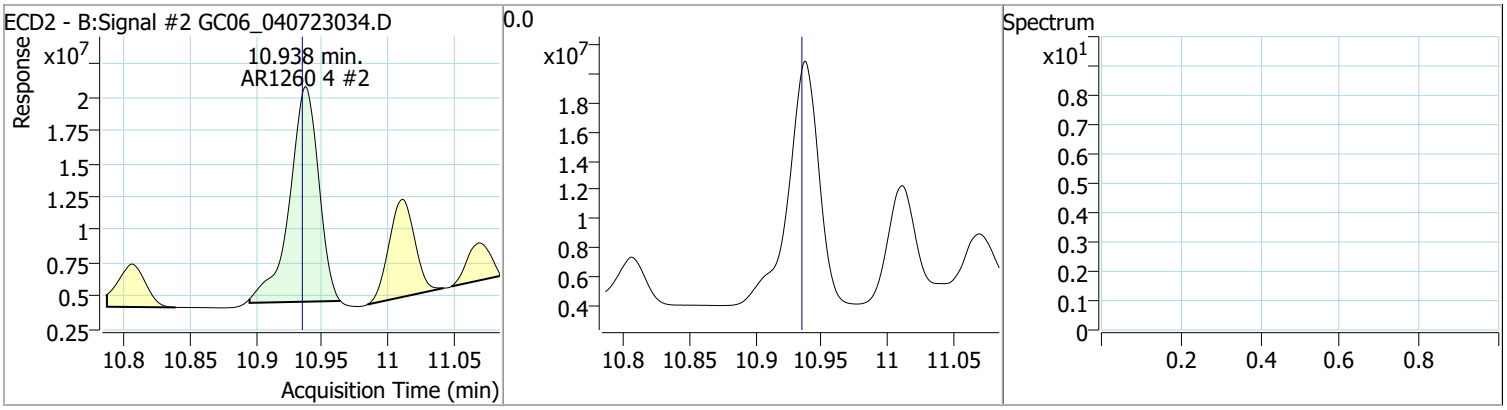
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1271.5357	10.33	0.00	18276932				



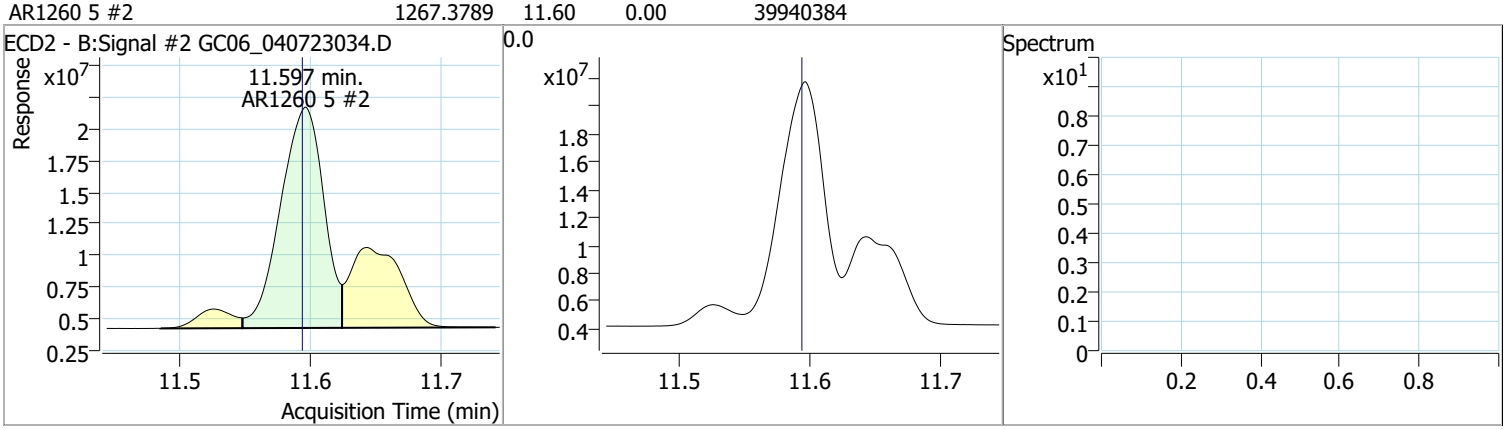
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1292.7154	10.52	0.00	42770125				



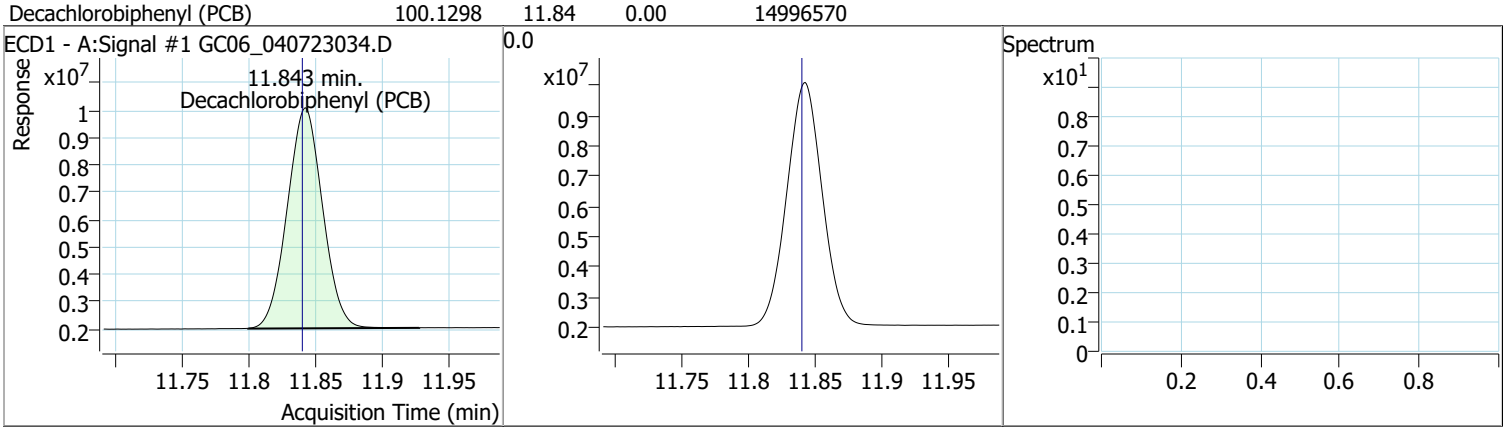
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.6762	10.94	0.00	24936104				



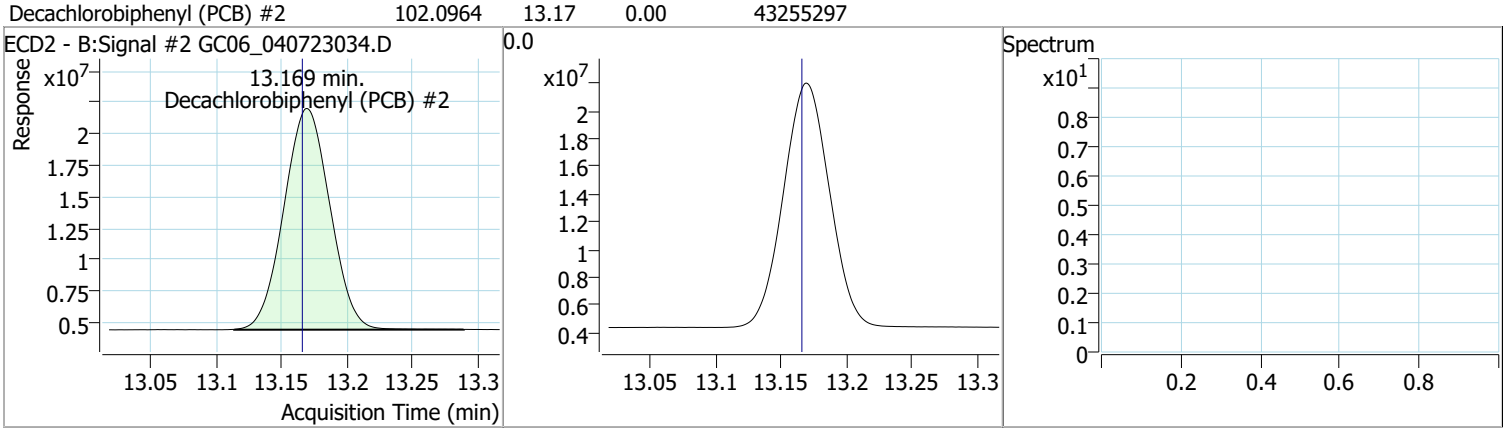
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1267.3789	11.60	0.00	39940384				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	100.1298	11.84	0.00	14996570				

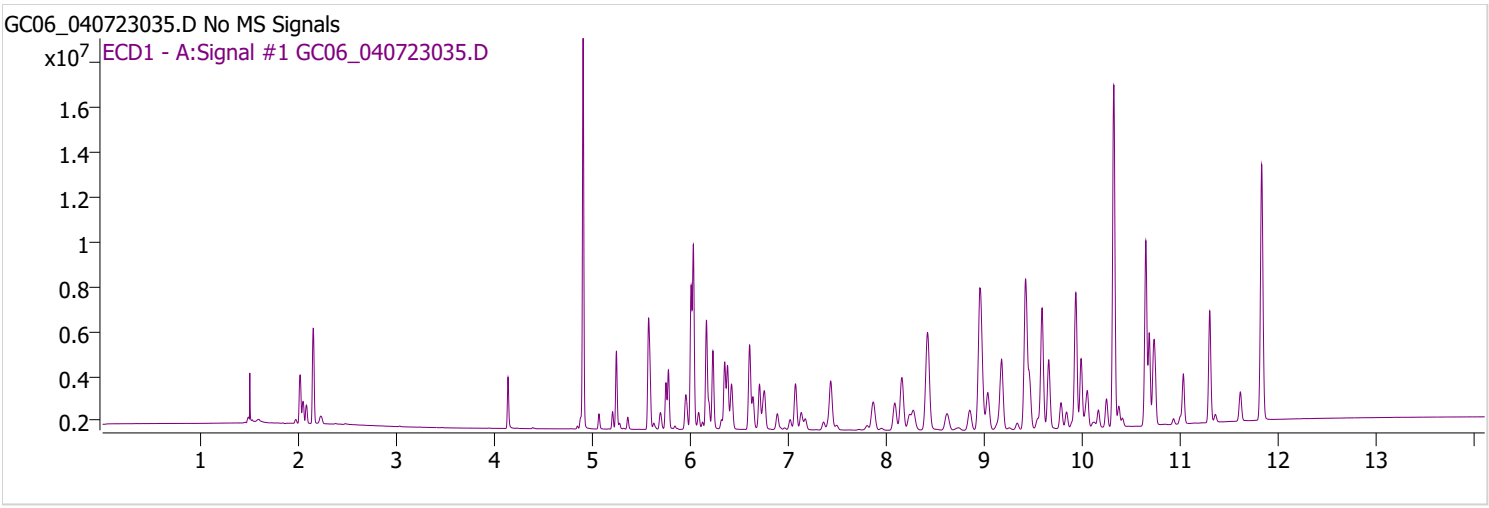


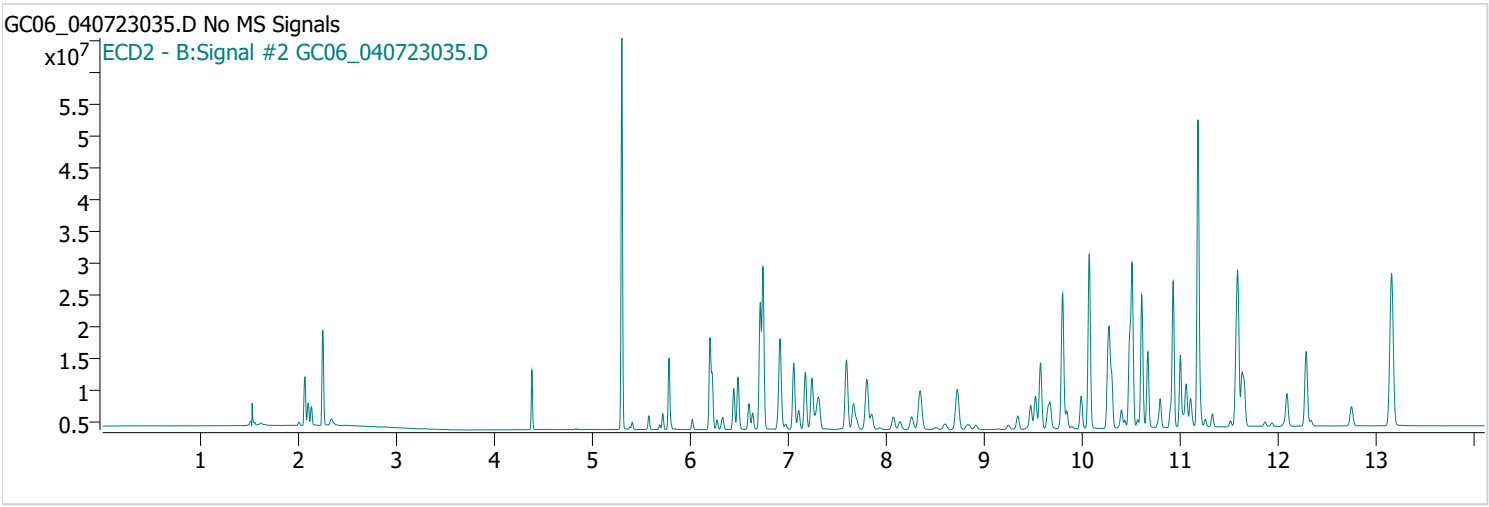
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	102.0964	13.17	0.00	43255297				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723035.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 1:14:42 AM
Sample Name	ICAL, S18188	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



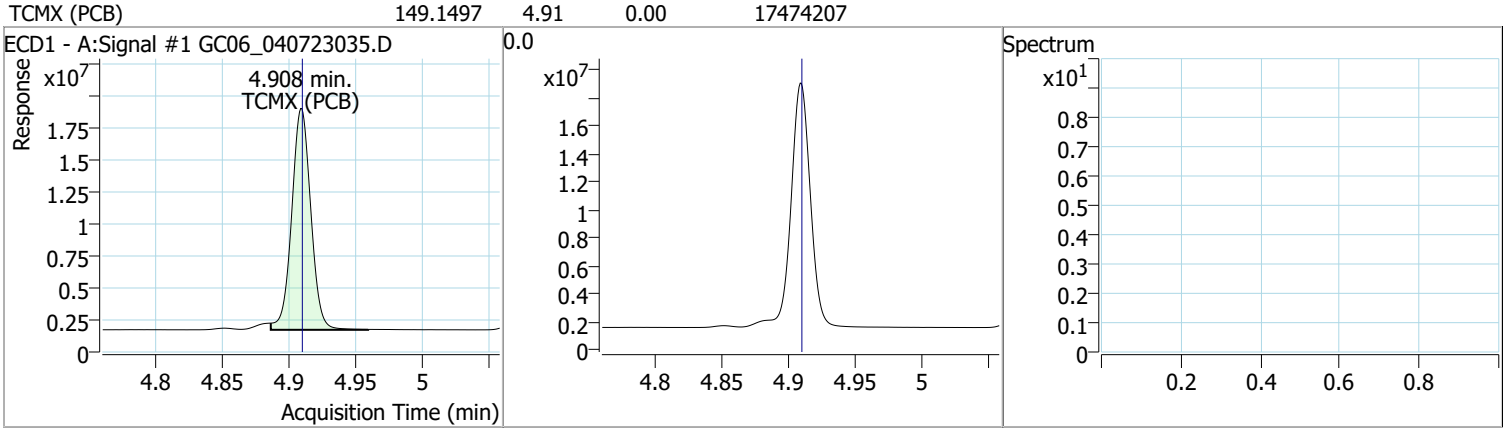


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2293849.301	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8219954.578	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.908	0.0	17474207.435	149.1497	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 745.75%		*	
S TCMX (PCB) #2	5.304	0.0	63250976.194	155.3942	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 776.97%		*	
S Decachlorobiphenyl (PCB)	11.841	0.0	20605793.559	127.4770	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 637.38%		*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	59229459.771	129.4729	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 647.36%		*	
Target Compounds							QValue

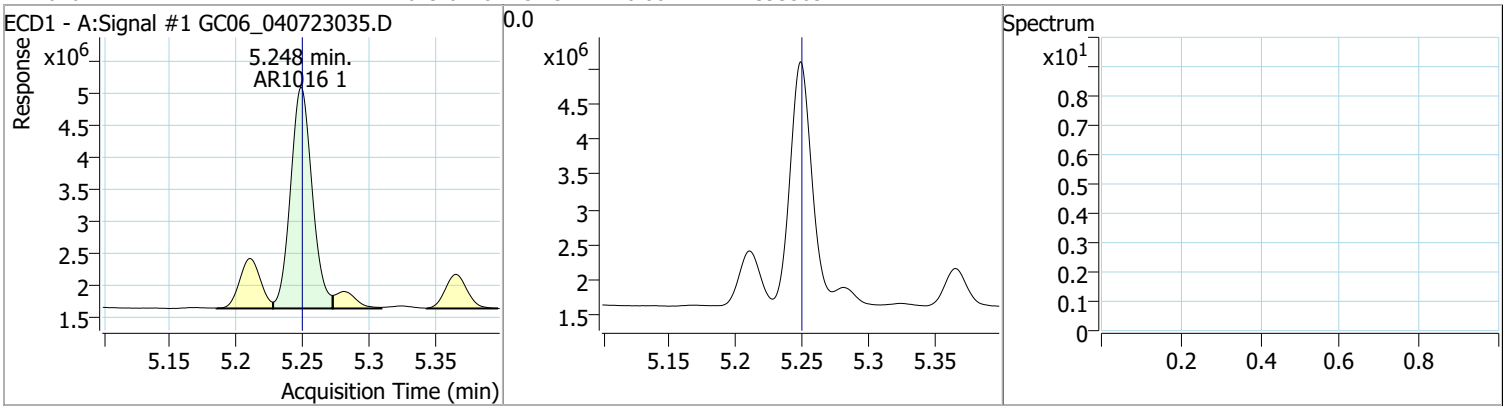
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	3935636.841	1649.6710	ng/ml	100
T AR1016 2	5.578	0.0	8258418.312	2017.5083	ng/ml	100
T AR1016 1 #2	5.786	0.0	13970475.259	1653.4769	ng/ml	100
T AR1016 3	6.035	0.0	10683676.831	2012.3967	ng/ml	100
T AR1016 4	6.169	0.0	7722150.596	1649.4432	ng/ml	100
T AR1016 2 #2	6.206	0.0	29740359.180	1669.1289	ng/ml	100
T AR1016 5	6.356	0.0	4394360.760	1600.3929	ng/ml	100
T AR1016 3 #2	6.746	0.0	39349138.922	1740.5134	ng/ml	100
T AR1016 4 #2	6.920	0.0	27209533.577	1672.9780	ng/ml	100
T AR1016 5 #2	7.599	0.0	22203515.540	1657.8500	ng/ml	100
T AR1260 1	8.427	0.0	11926272.318	1560.4239	ng/ml	100
T AR1260 2	8.963	0.0	17720498.144	1534.0498	ng/ml	100
T AR1260 3	9.429	0.0	19250166.243	1658.1029	ng/ml	100
T AR1260 1 #2	9.808	0.0	39163190.369	1669.9494	ng/ml	100
T AR1260 4	9.943	0.0	11409997.473	1587.9383	ng/ml	100
T AR1260 2 #2	10.079	0.0	46665289.343	1608.4058	ng/ml	100
T AR1260 5	10.330	0.0	25515040.373	1644.7227	ng/ml	100
T AR1260 3 #2	10.516	0.0	60576245.307	1695.6434	ng/ml	100
T AR1260 4 #2	10.937	0.0	35949575.511	1715.2547	ng/ml	100
T AR1260 5 #2	11.594	0.0	54515975.857	1602.0933	ng/ml	100

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

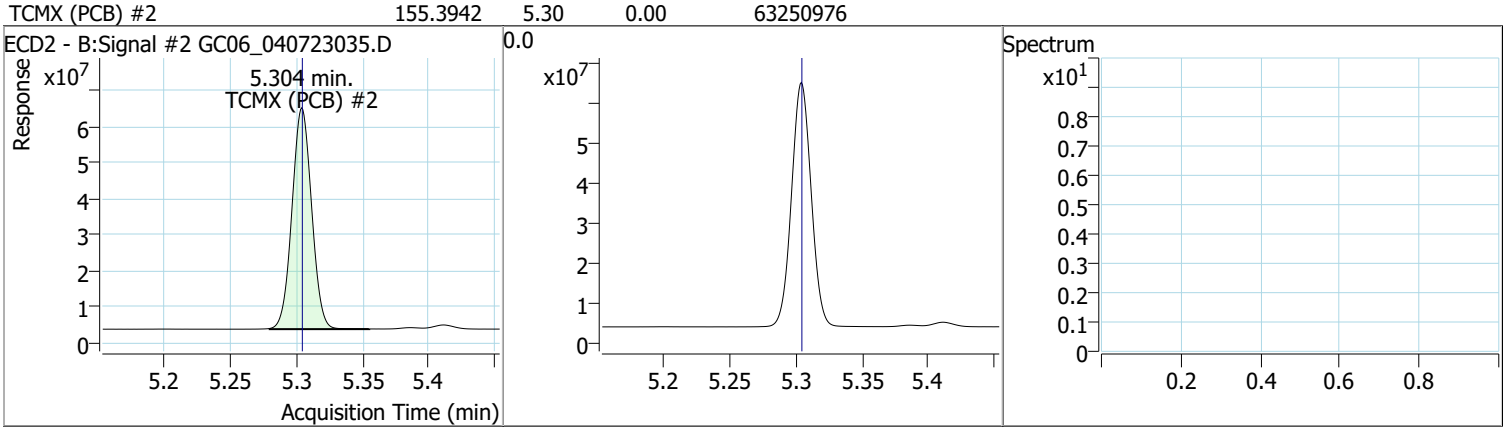
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	149.1497	4.91	0.00	17474207				



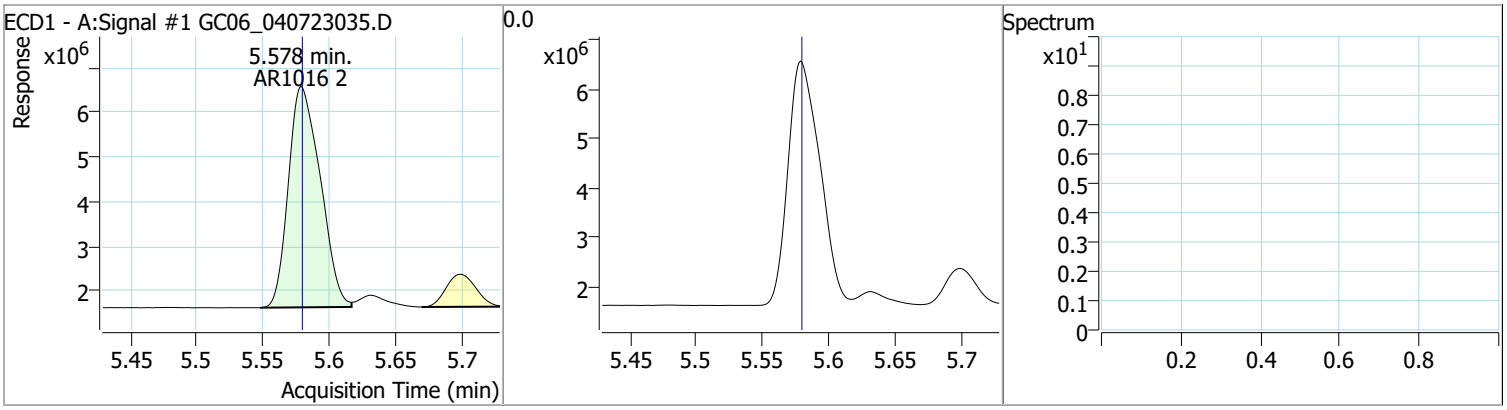
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1649.6710	5.25	0.00	3935637				



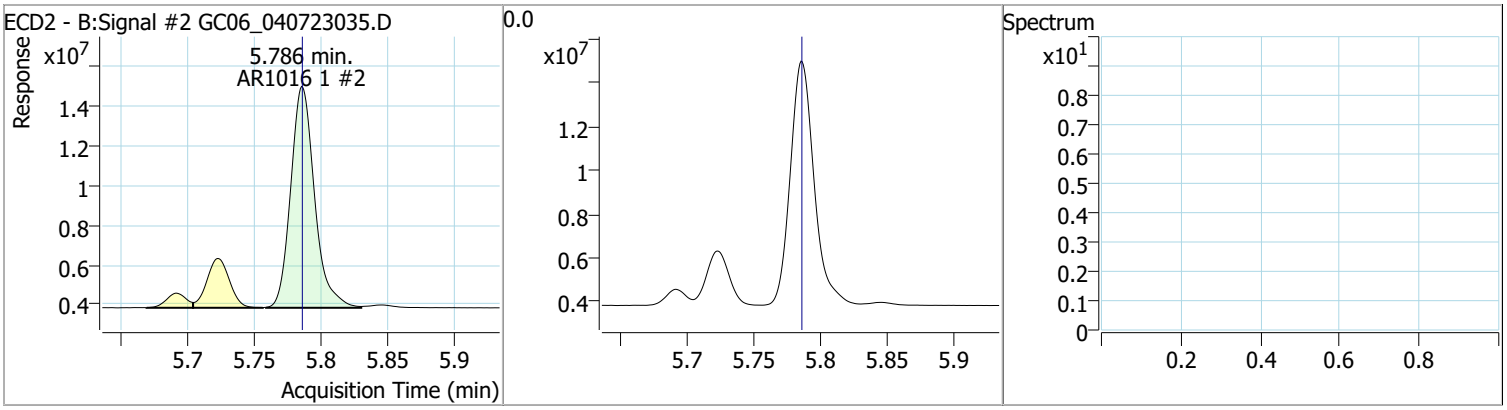
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	155.3942	5.30	0.00	63250976				



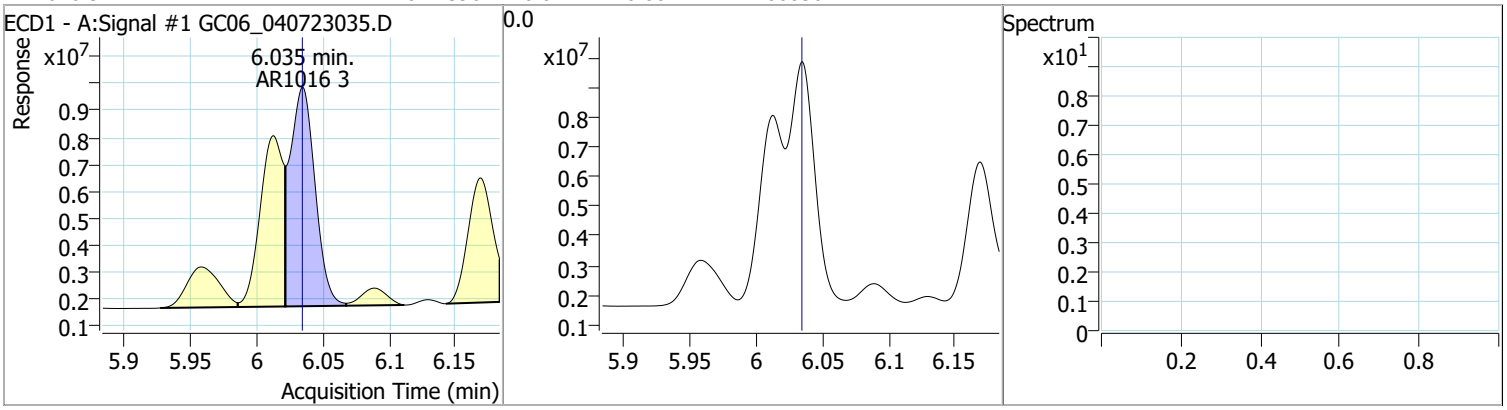
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2017.5083	5.58	0.00	8258418				



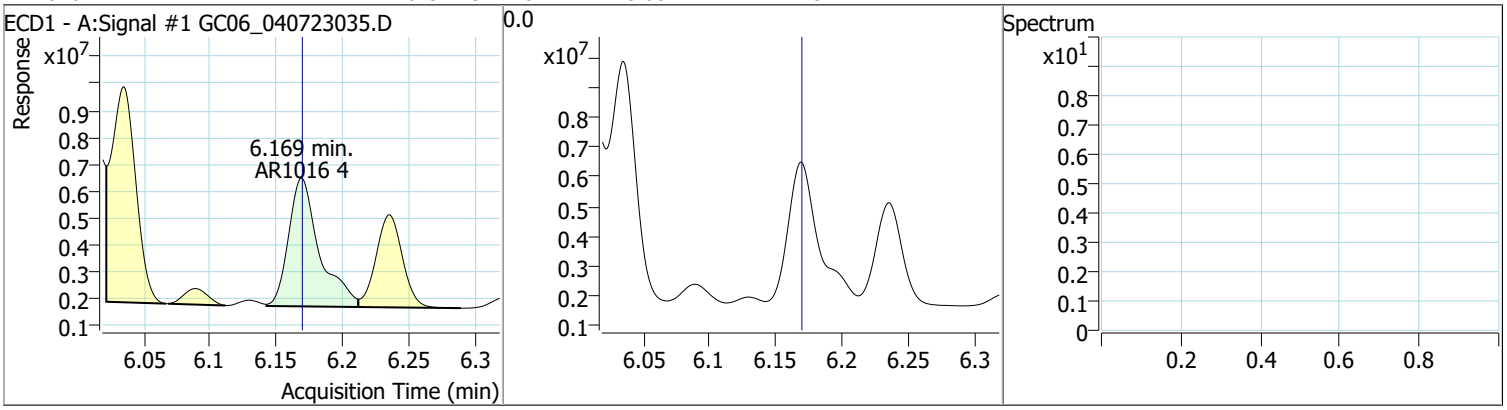
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1653.4769	5.79	0.00	13970475				



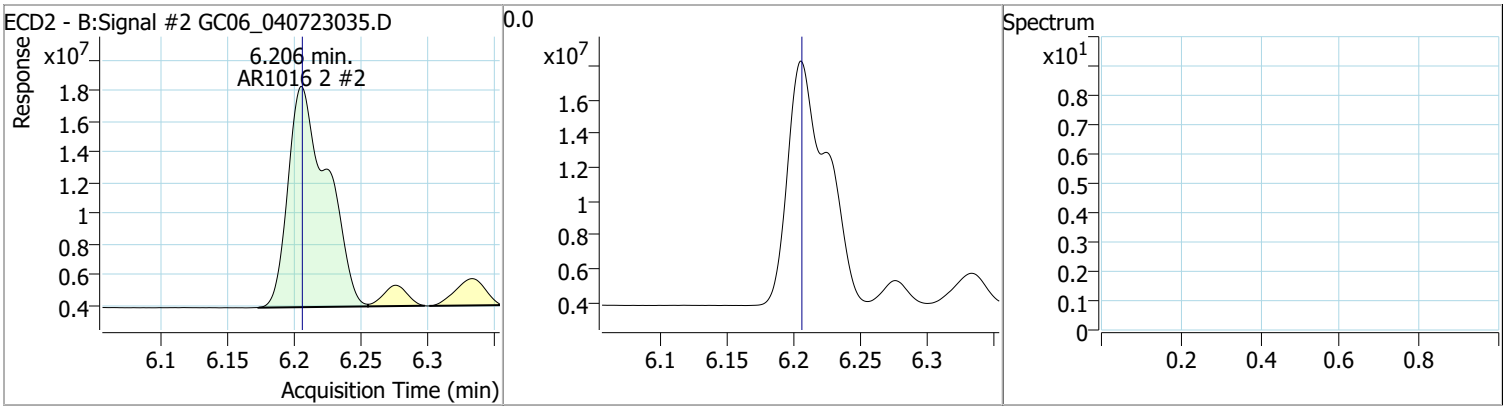
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2012.3967	6.04	0.00	10683677				



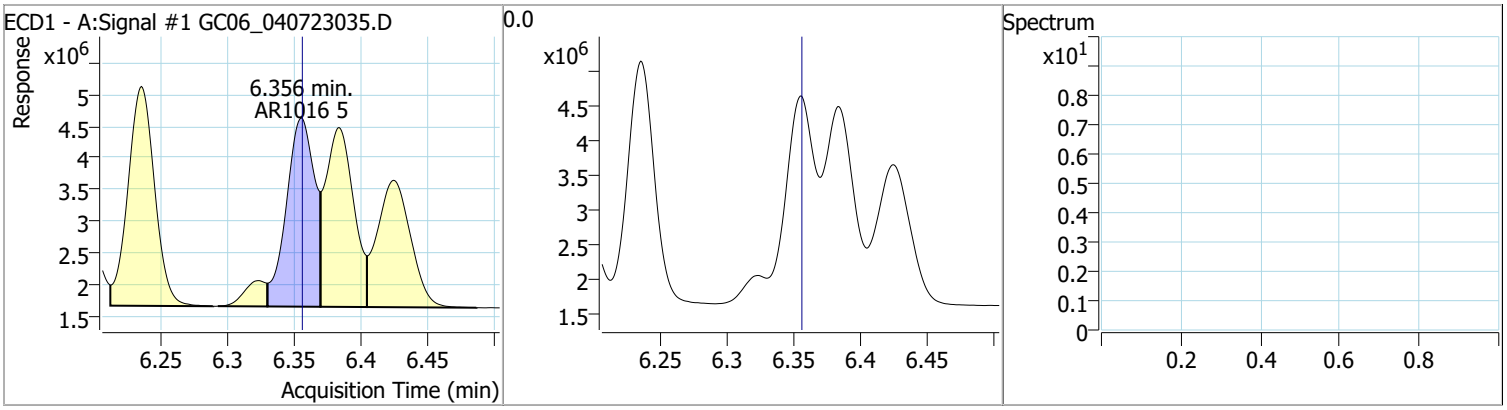
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1649.4432	6.17	0.00	7722151				



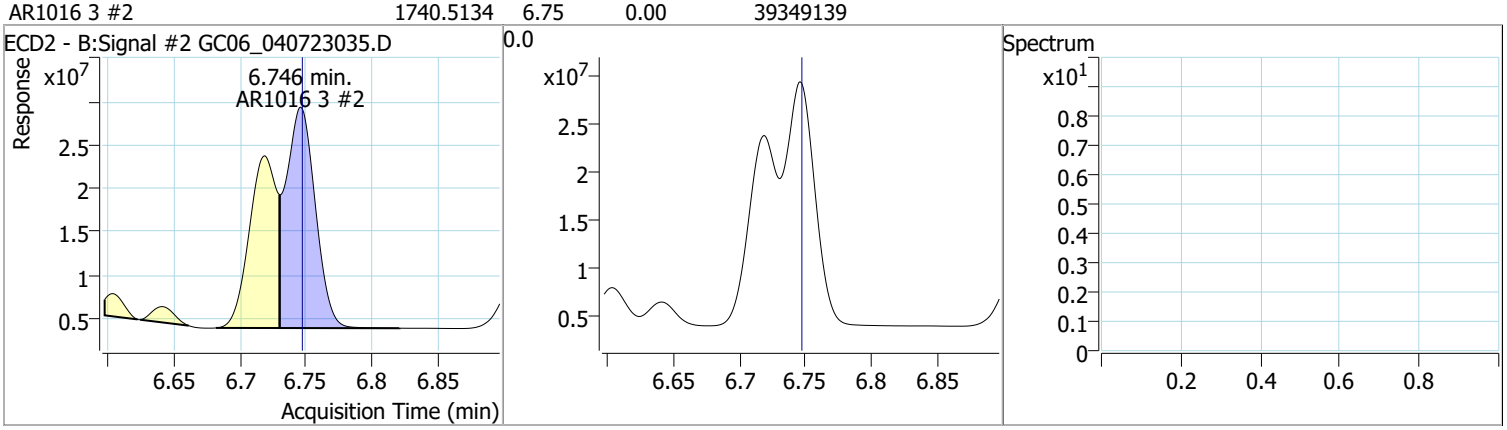
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1669.1289	6.21	0.00	29740359				



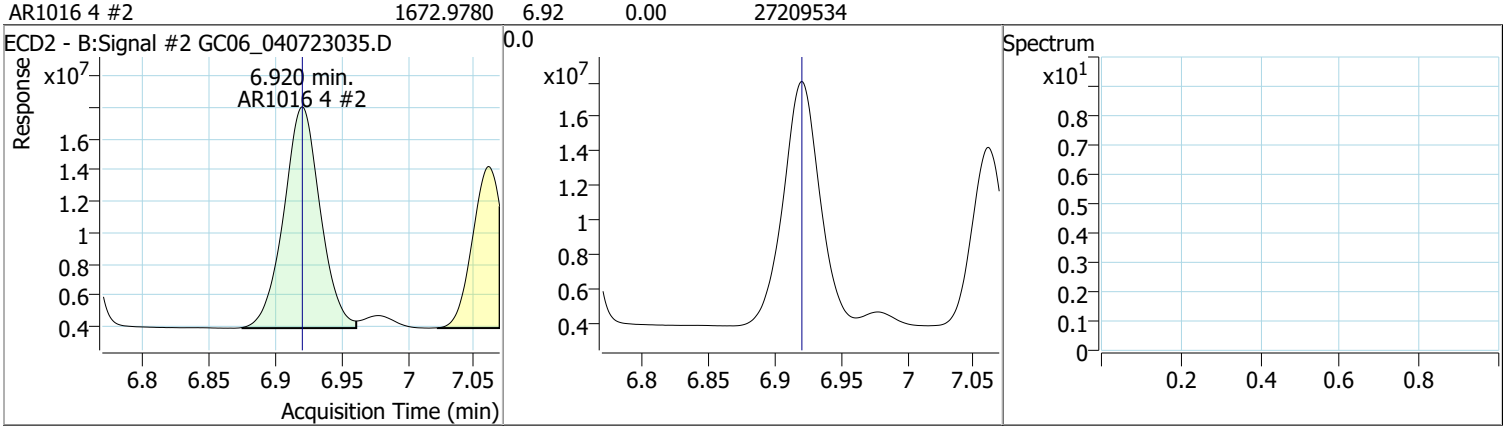
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1600.3929	6.36	0.00	4394361				



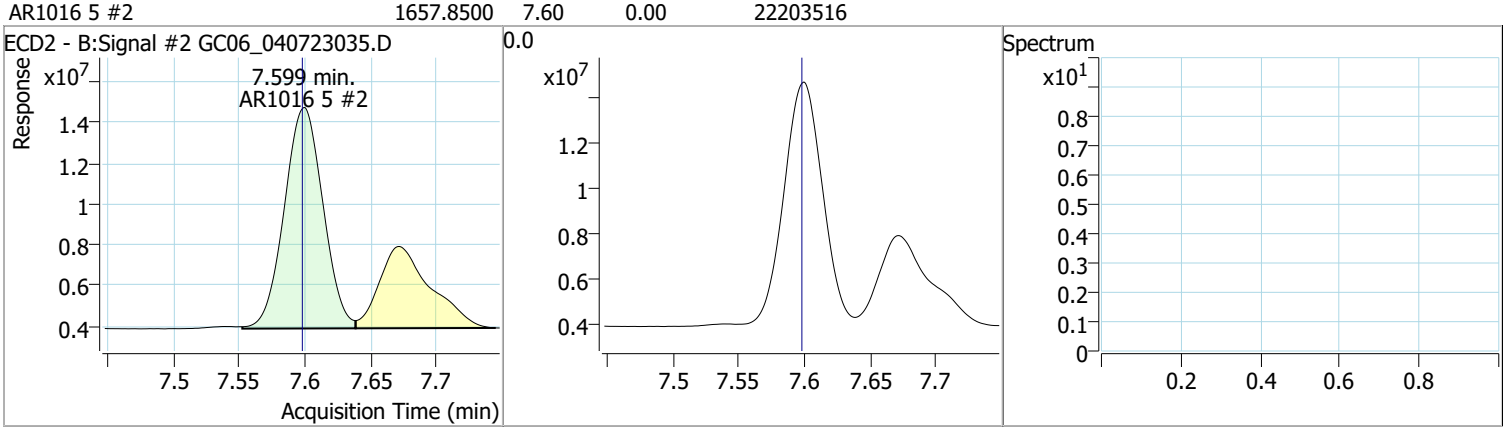
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1740.5134	6.75	0.00	39349139				



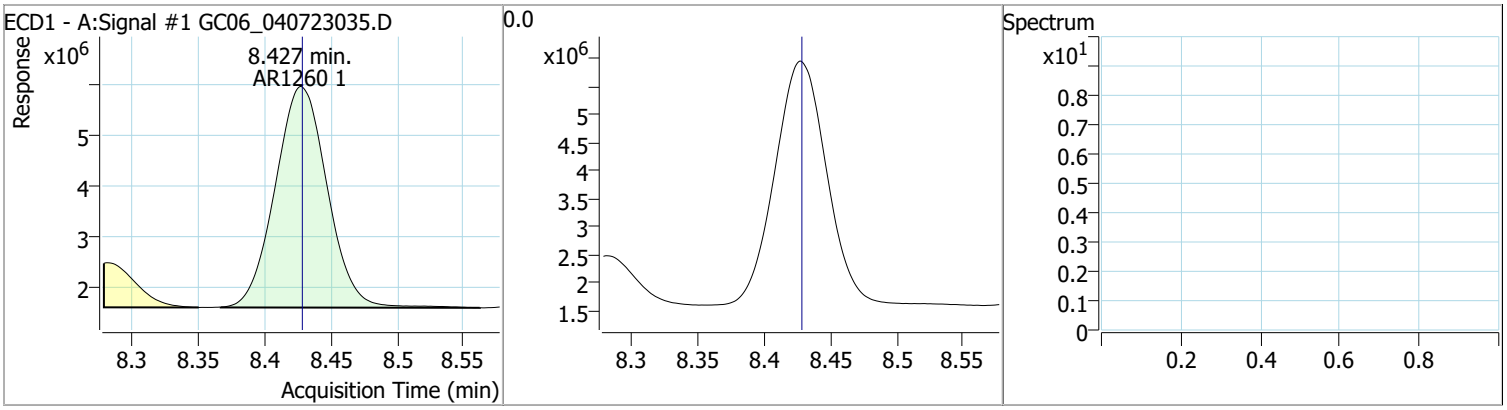
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1672.9780	6.92	0.00	27209534				



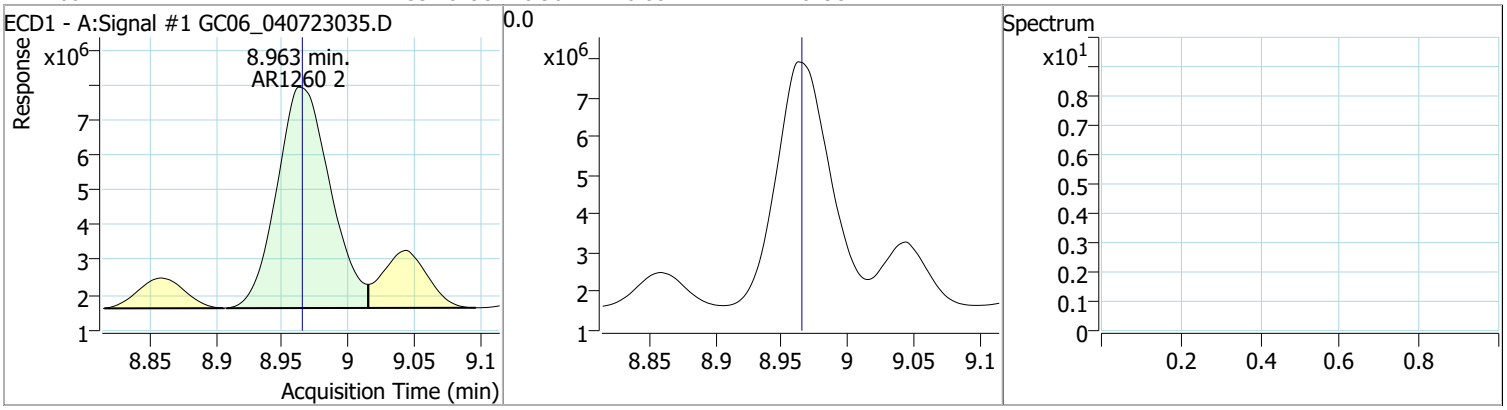
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1657.8500	7.60	0.00	22203516				



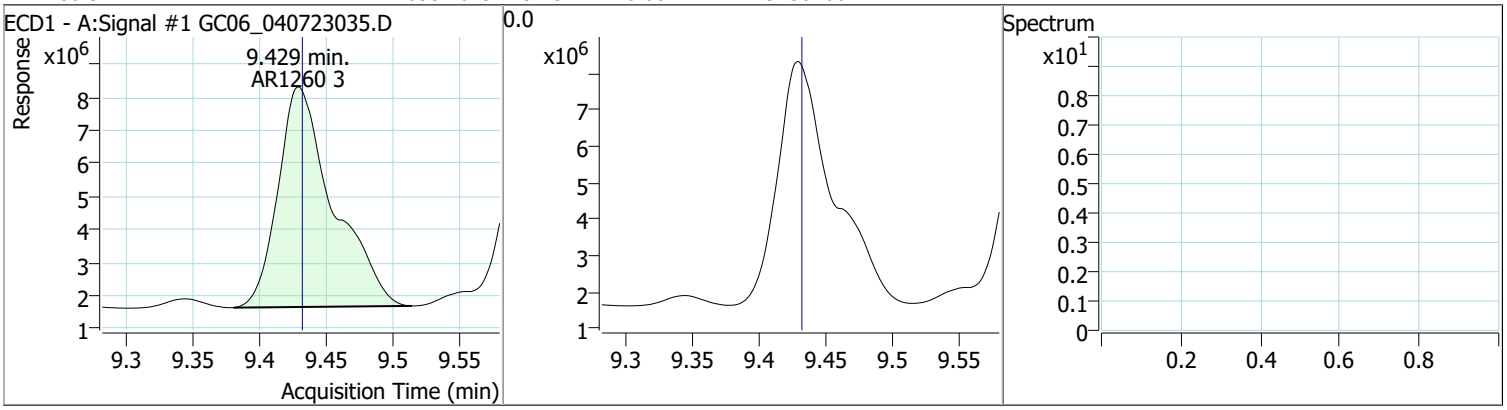
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1560.4239	8.43	0.00	11926272				



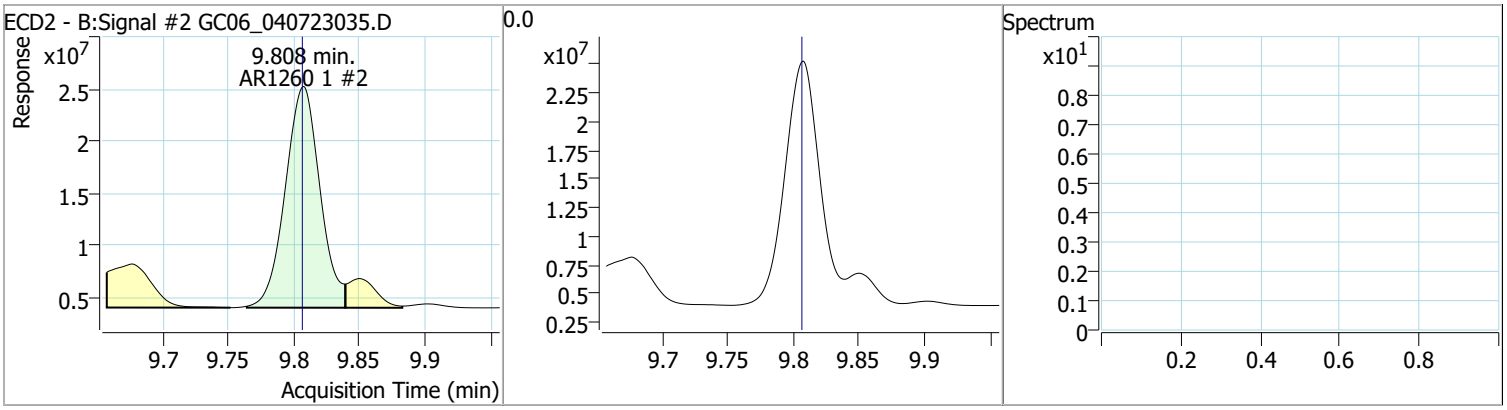
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1534.0498	8.96	0.00	17720498				



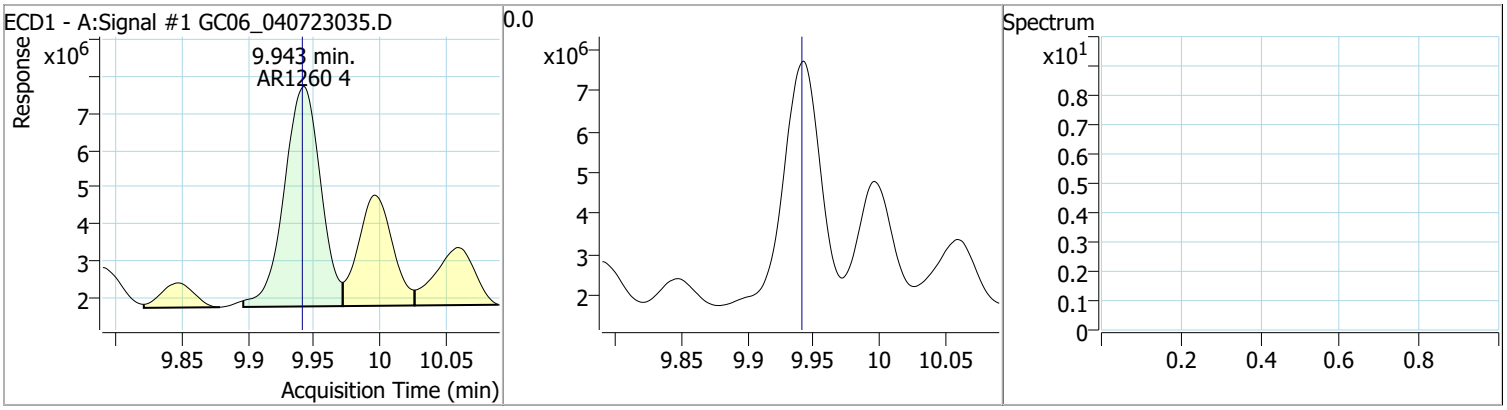
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1658.1029	9.43	0.00	19250166				



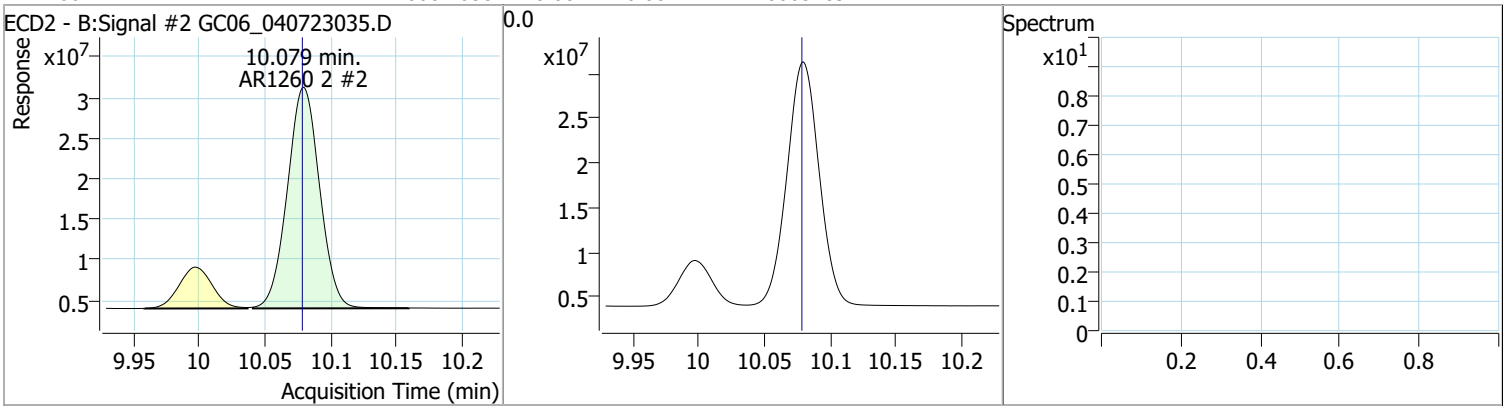
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1669.9494	9.81	0.00	39163190				



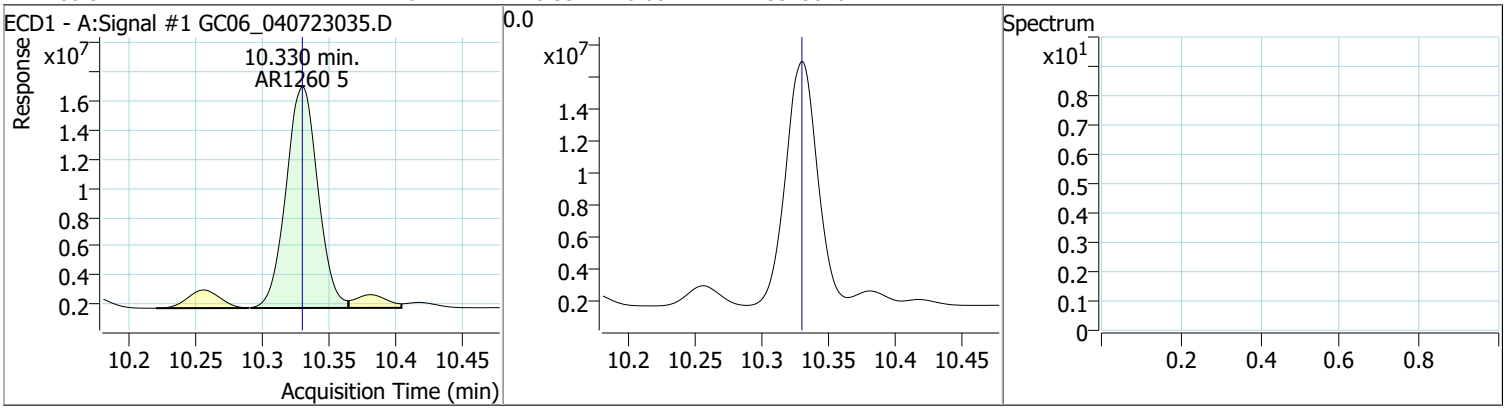
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1587.9383	9.94	0.00	11409997				



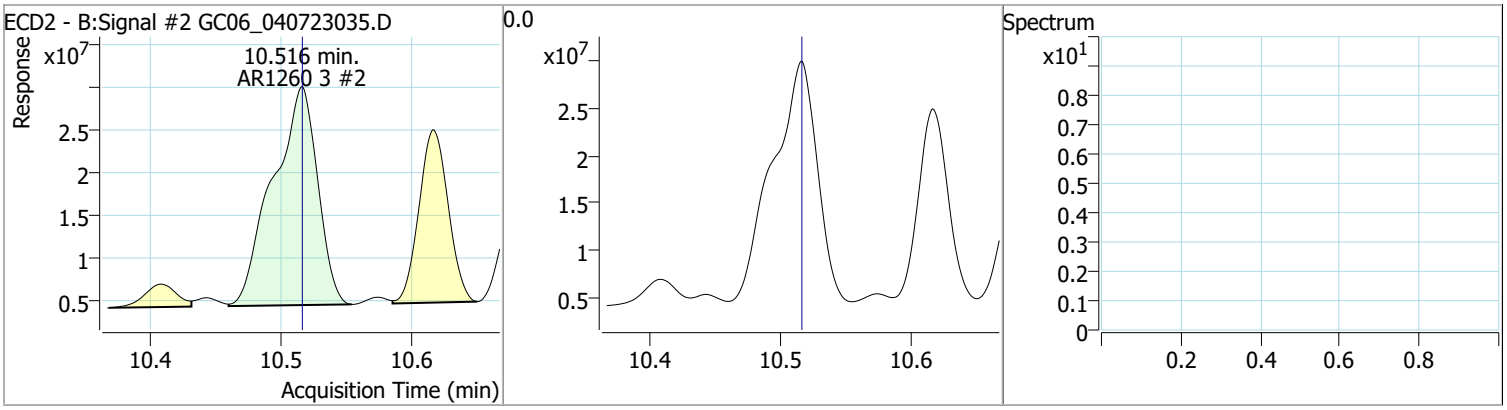
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1608.4058	10.08	0.00	46665289				



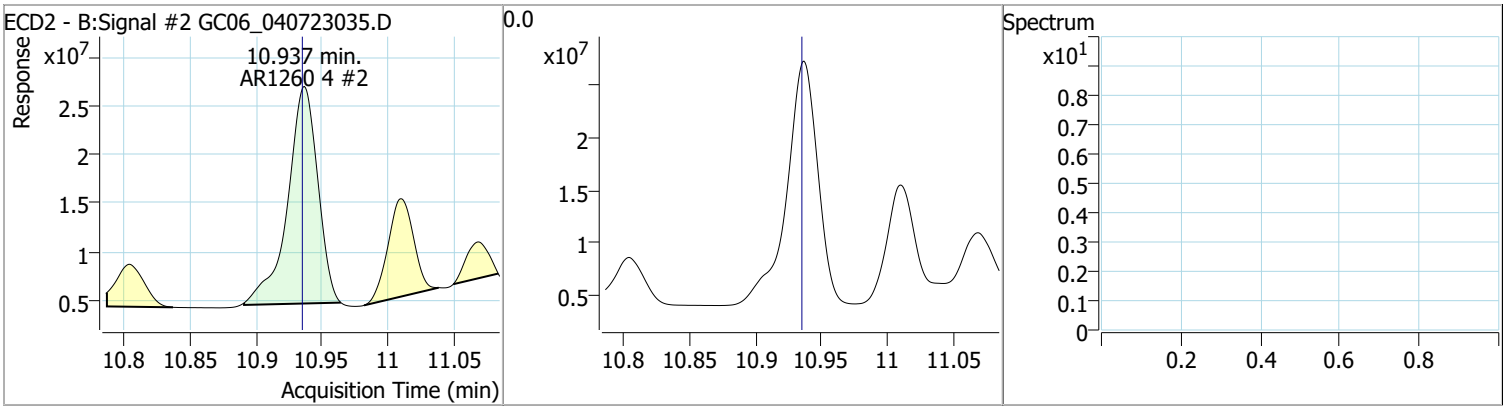
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1644.7227	10.33	0.00	25515040				



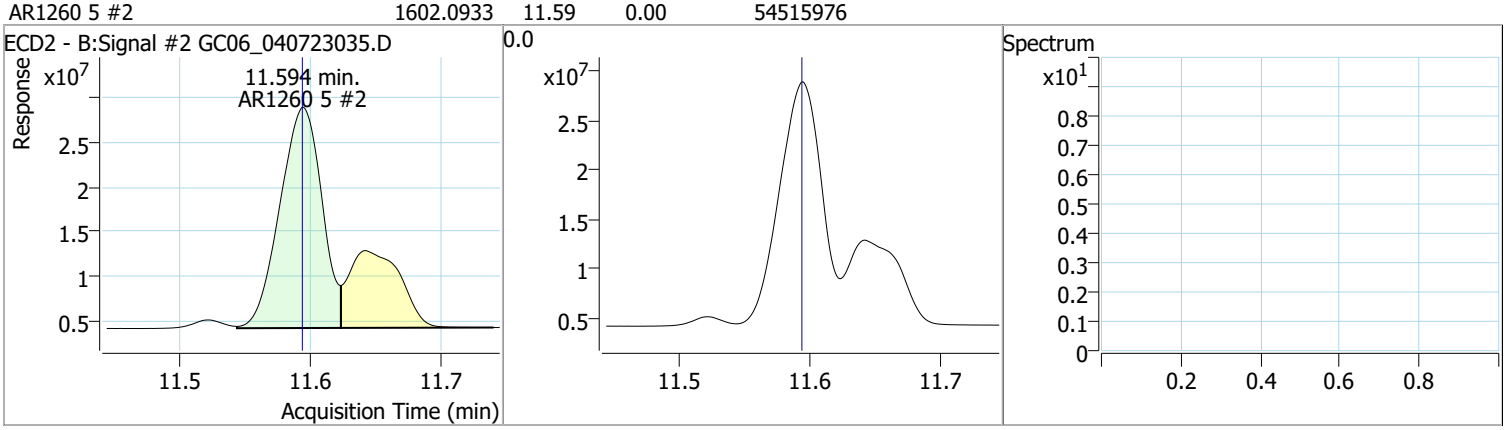
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1695.6434	10.52	0.00	60576245				



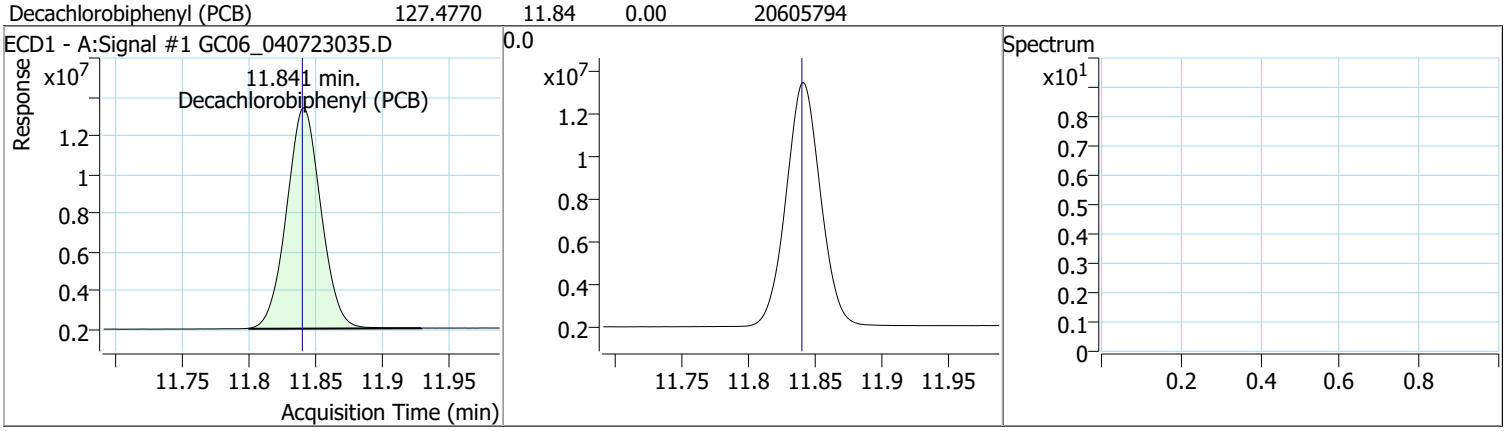
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1715.2547	10.94	0.00	35949576				



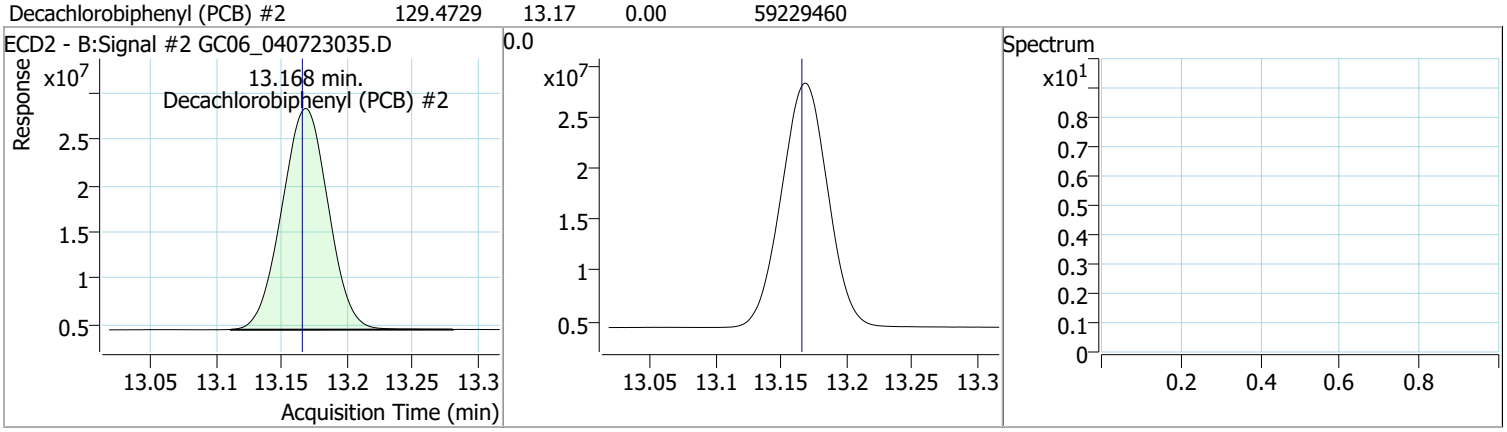
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1602.0933	11.59	0.00	54515976				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	127.4770	11.84	0.00	20605794				

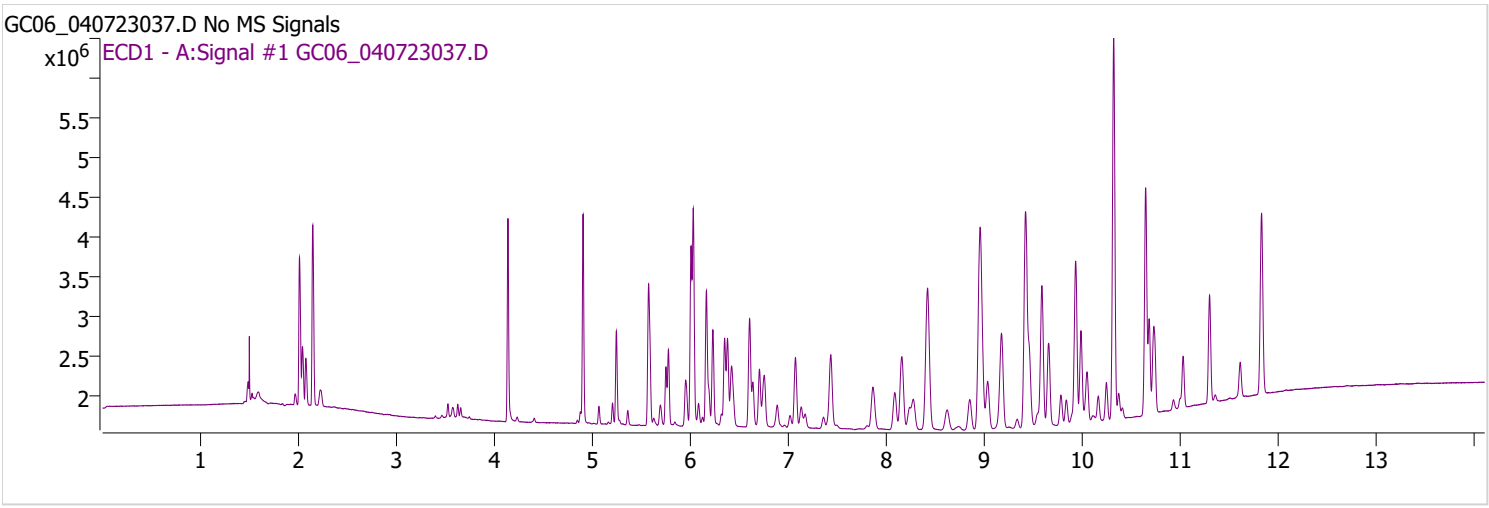


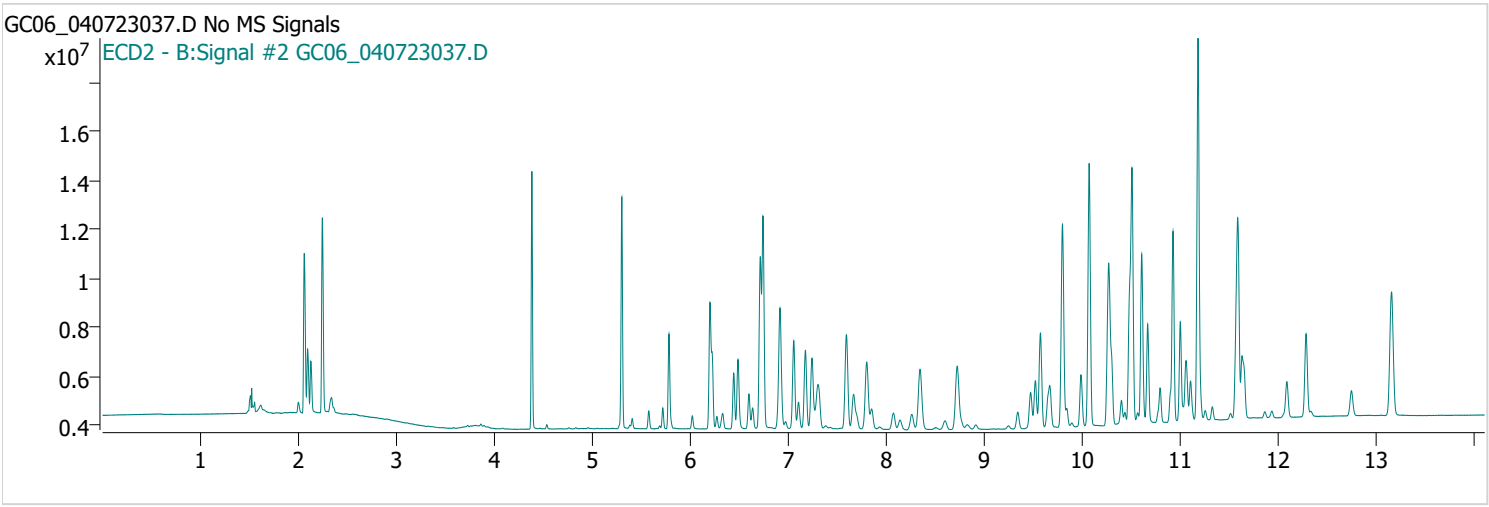
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	129.4729	13.17	0.00	59229460				



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723037.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 1:51:10 AM
Sample Name	ICV, S18189	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



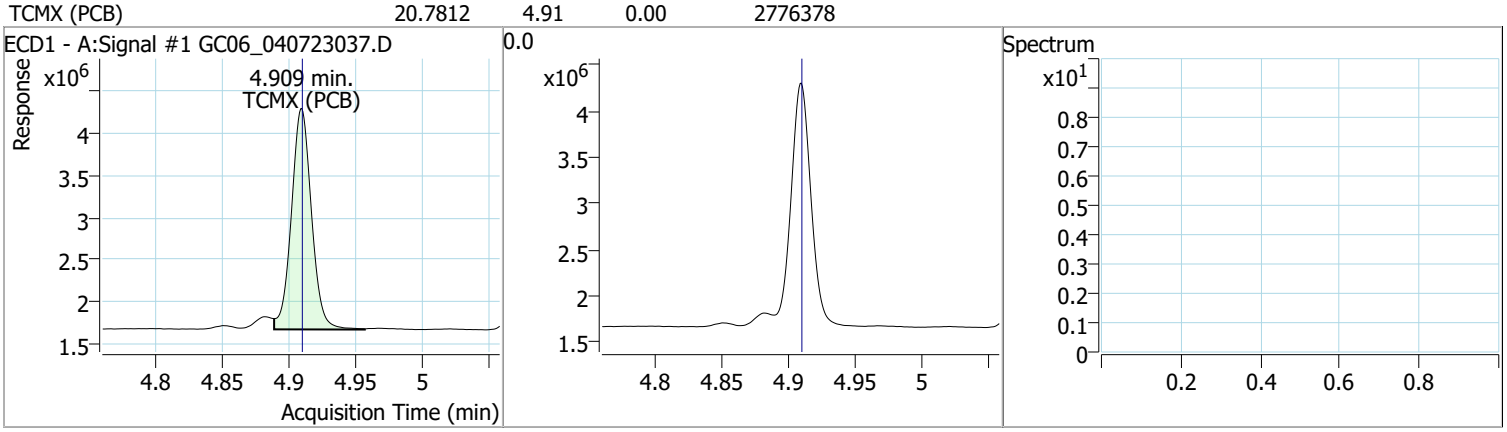


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2615759.410	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	9337003.837	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.909	0.0	2776378.376	20.7812	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 103.91%		
S TCMX (PCB) #2	5.305	0.0	9892123.935	21.3953	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 106.98%		
S Decachlorobiphenyl (PCB)	11.842	0.0	4282358.132	23.2323	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.16%		
S Decachlorobiphenyl (PCB) #2	13.170	0.0	12440559.601	23.9410	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.71%		
Target Compounds						QValue

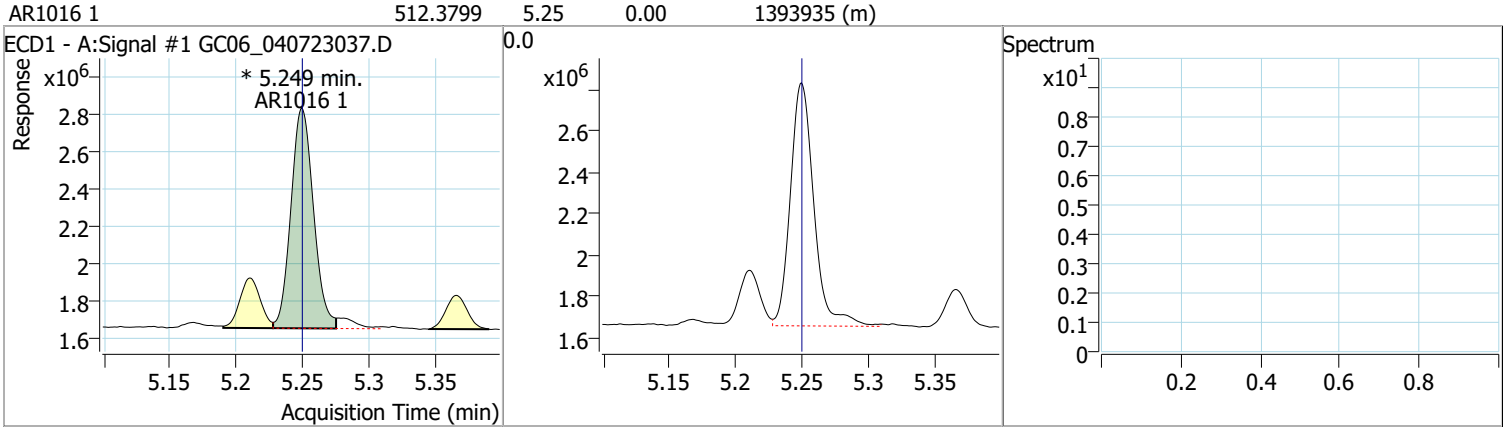
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.249	0.0	1393935.362	512.3799	ng/ml	m	100
T AR1016 2	5.579	0.0	2988134.279	511.9402	ng/ml		100
T AR1016 1 #2	5.787	0.0	4878926.167	508.3620	ng/ml		100
T AR1016 3	6.035	0.0	3702632.706	509.9355	ng/ml		100
T AR1016 4	6.169	0.0	2784381.372	521.5487	ng/ml		100
T AR1016 2 #2	6.206	0.0	10561043.240	521.8100	ng/ml		100
T AR1016 5	6.355	0.0	1611628.199	514.7103	ng/ml	m	100
T AR1016 3 #2	6.747	0.0	13346915.952	519.7386	ng/ml		100
T AR1016 4 #2	6.921	0.0	9530892.881	515.8989	ng/ml		100
T AR1016 5 #2	7.599	0.0	7782054.984	511.5401	ng/ml		100
T AR1260 1	8.429	0.0	4846701.065	556.0978	ng/ml		100
T AR1260 2	8.965	0.0	7251114.520	550.4722	ng/ml		100
T AR1260 3	9.430	0.0	7831907.800	591.5775	ng/ml		100
T AR1260 1 #2	9.807	0.0	15357373.252	576.5063	ng/ml		100
T AR1260 4	9.942	0.0	3943896.692	481.3275	ng/ml		100
T AR1260 2 #2	10.079	0.0	18286668.118	554.8788	ng/ml		100
T AR1260 5	10.330	0.0	8237052.966	465.6240	ng/ml		100
T AR1260 3 #2	10.517	0.0	24191655.246	596.1556	ng/ml		100
T AR1260 4 #2	10.937	0.0	12167277.137	511.0815	ng/ml		100
T AR1260 5 #2	11.598	0.0	18306510.265	473.6216	ng/ml		100

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

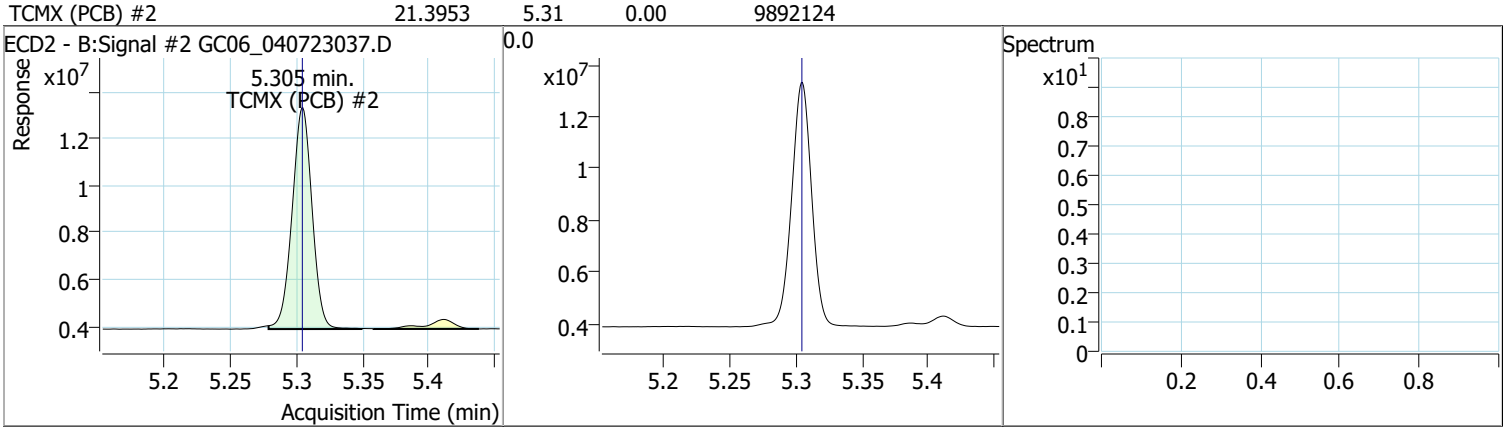
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.7812	4.91	0.00	2776378				



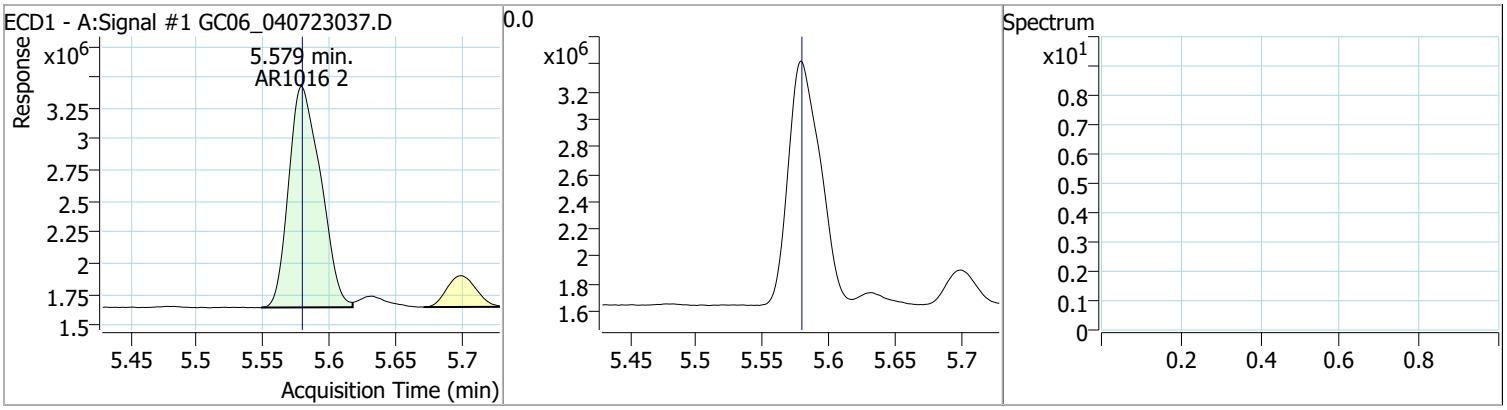
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	512.3799	5.25	0.00	1393935 (m)				



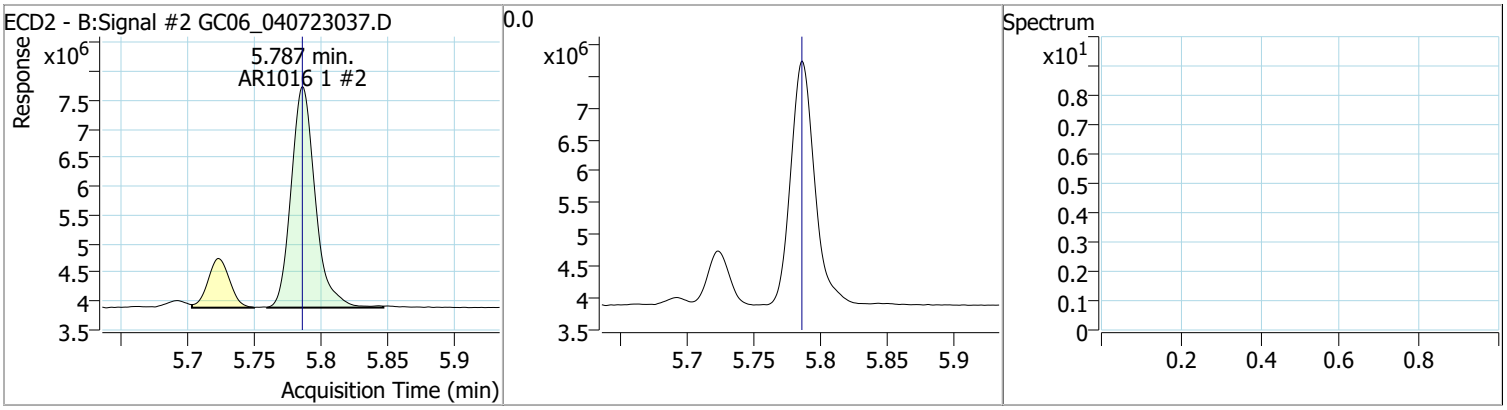
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	21.3953	5.31	0.00	9892124				



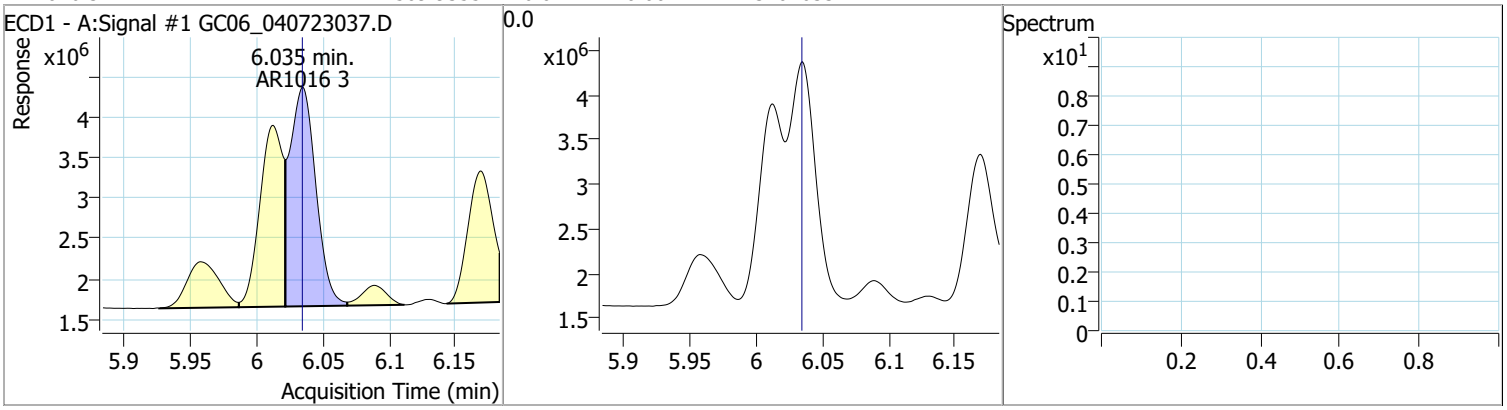
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	511.9402	5.58	0.00	2988134				



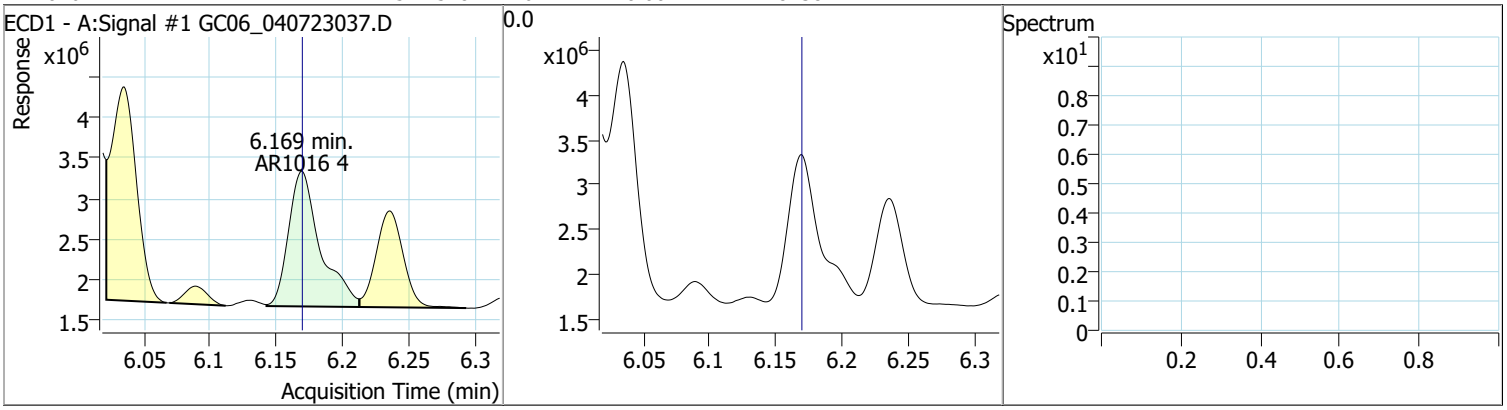
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	508.3620	5.79	0.00	4878926				



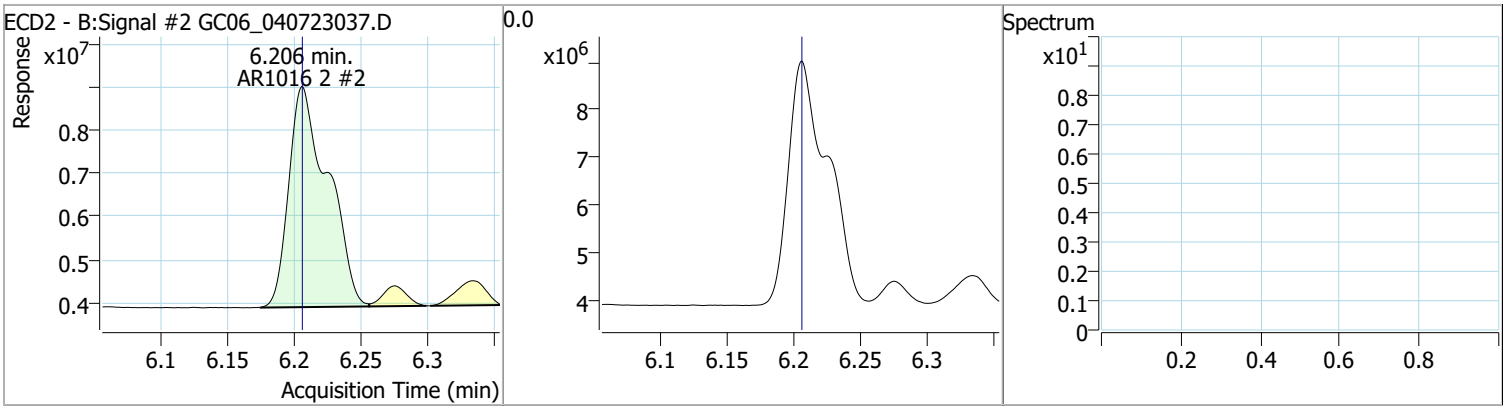
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	509.9355	6.04	0.00	3702633				



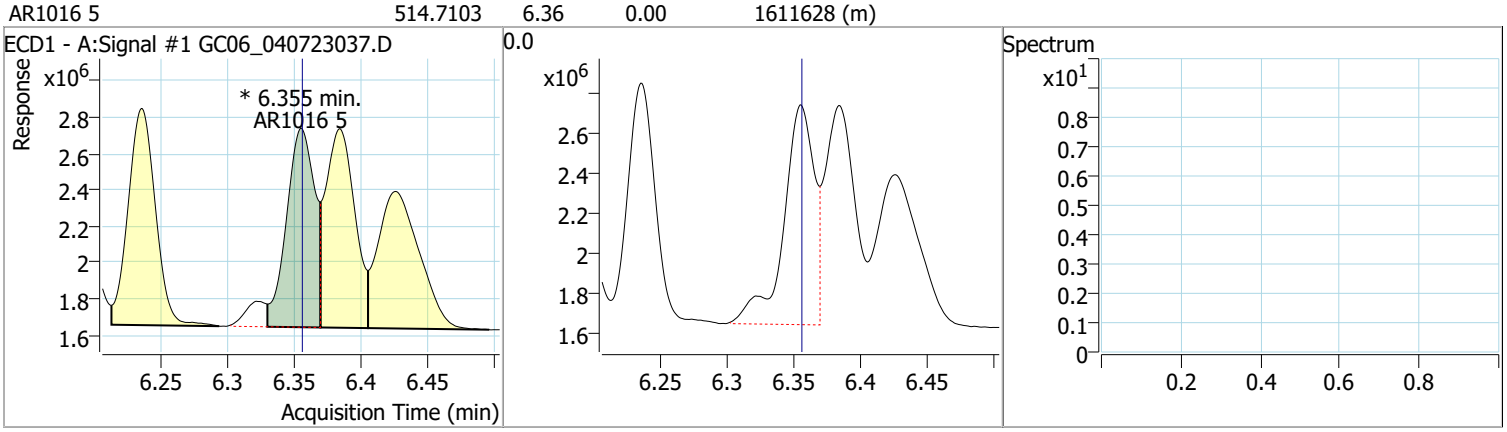
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	521.5487	6.17	0.00	2784381				



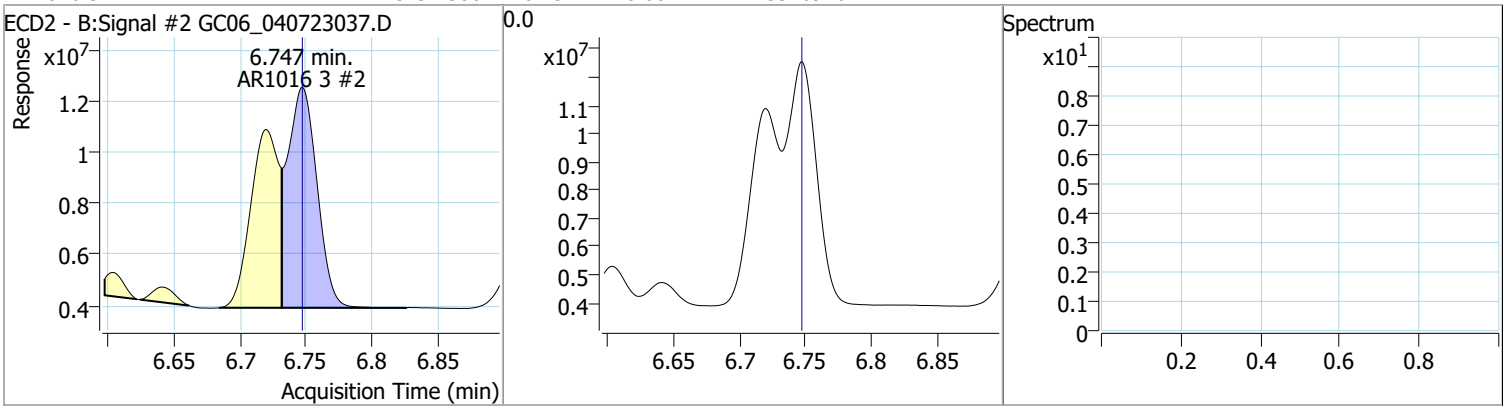
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	521.8100	6.21	0.00	10561043				



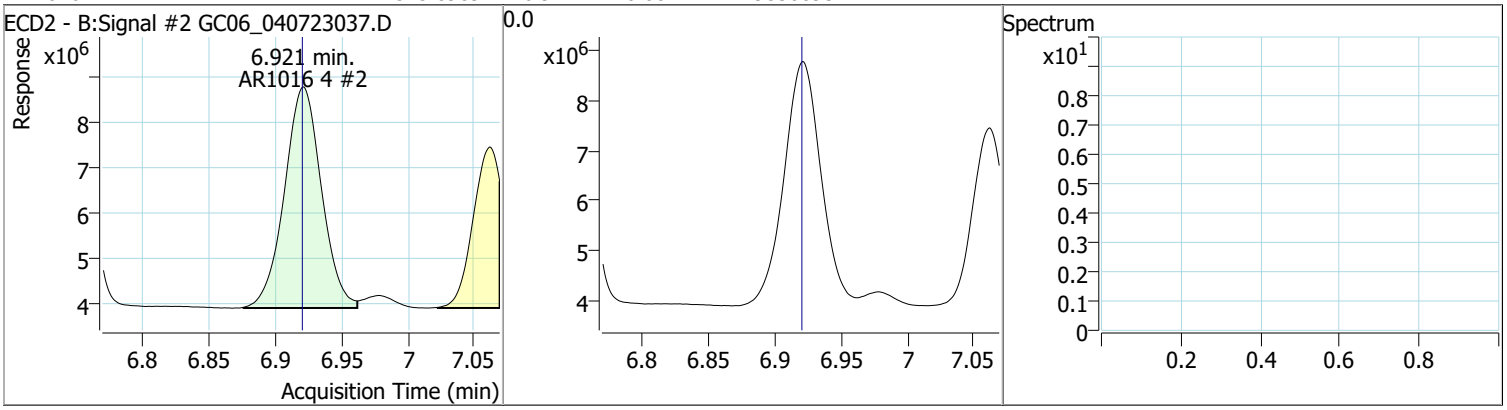
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	514.7103	6.36	0.00	1611628 (m)				



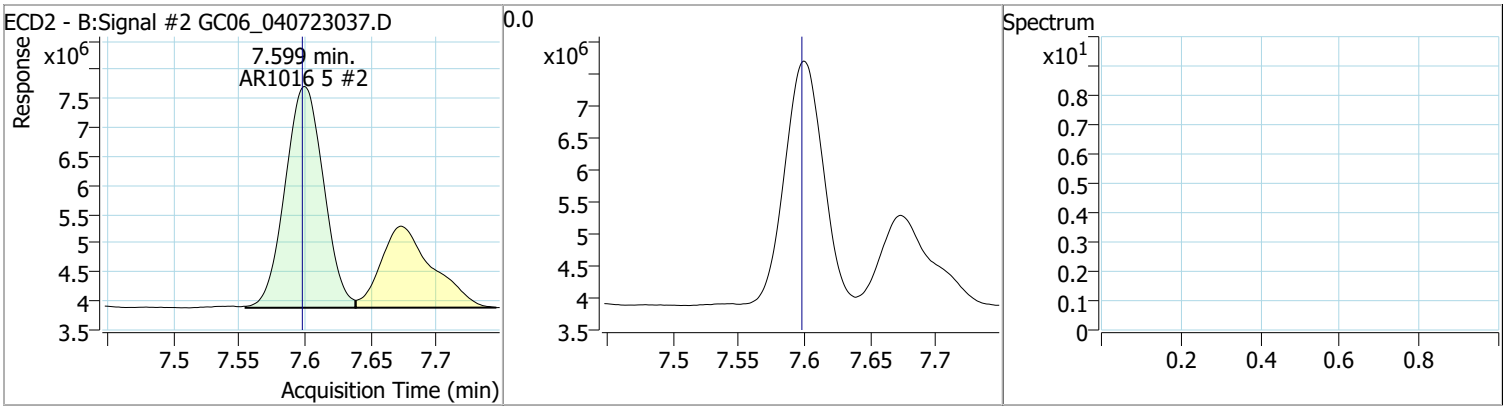
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	519.7386	6.75	0.00	13346916				



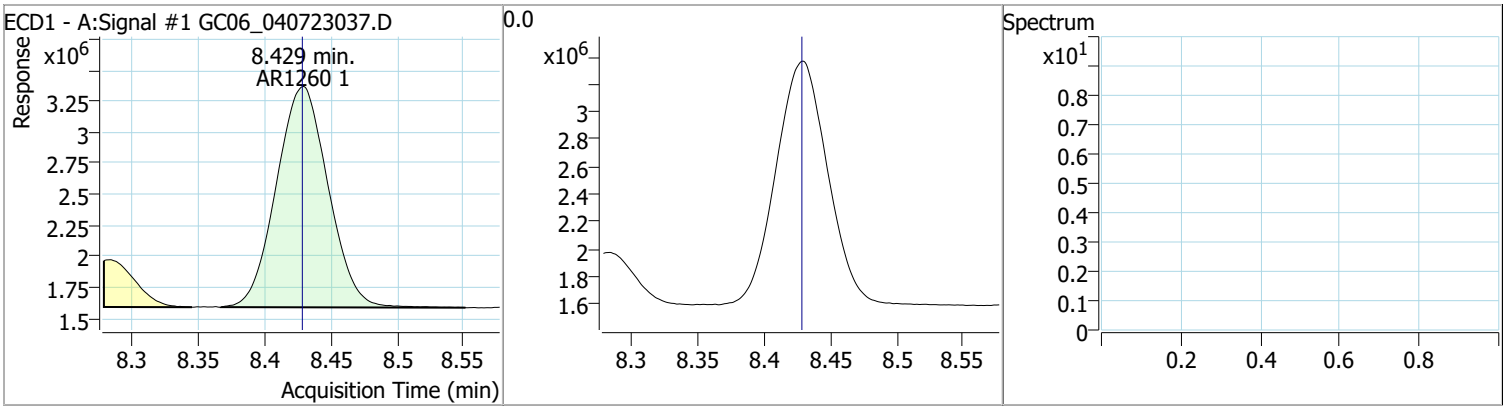
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AR1016 4 #2	515.8989	6.92	0.00	9530893				



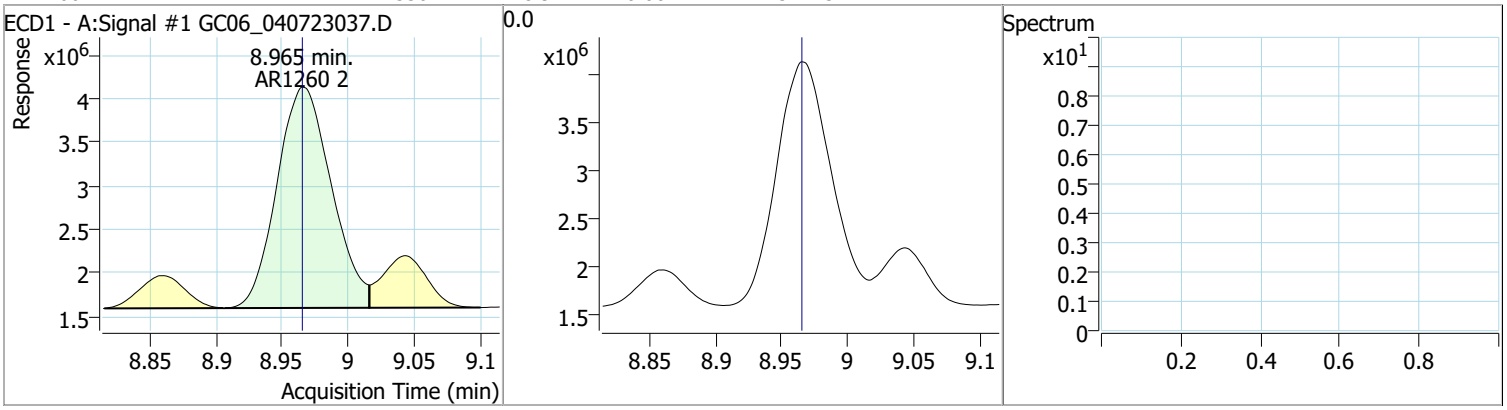
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	511.5401	7.60	0.00	7782055				



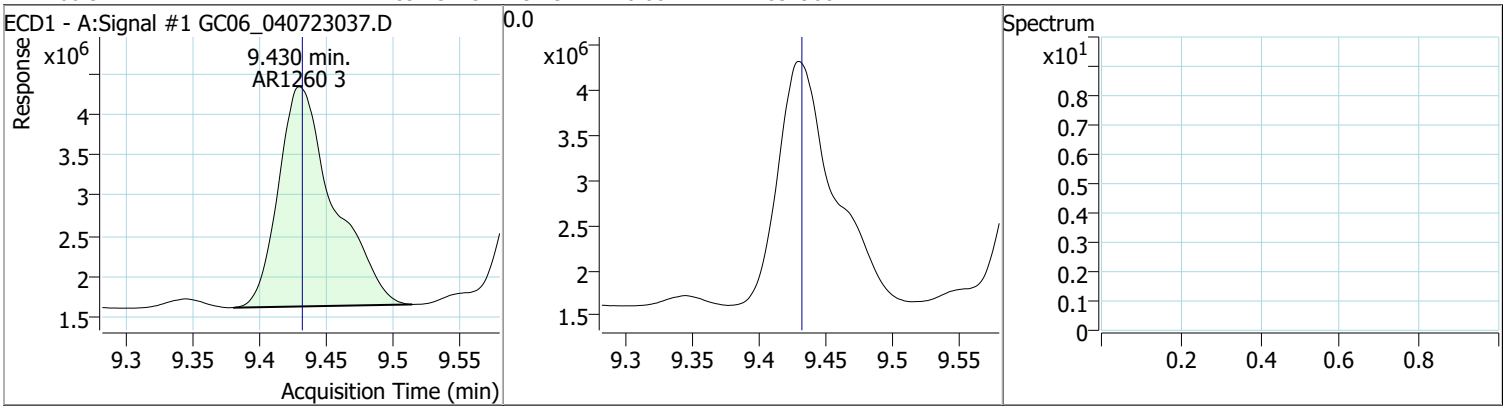
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	556.0978	8.43	0.00	4846701				



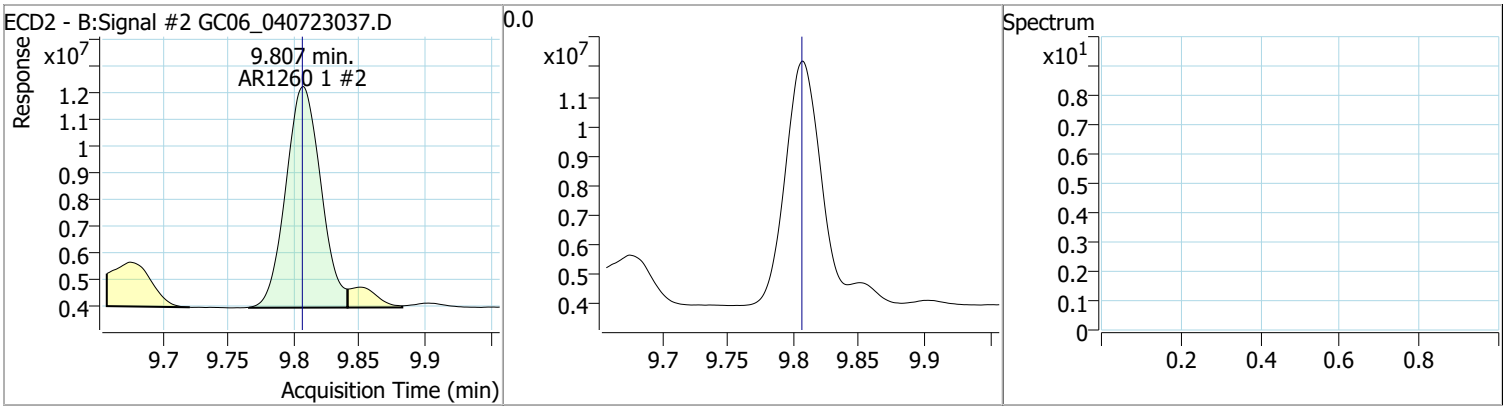
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	550.4722	8.97	0.00	7251115				



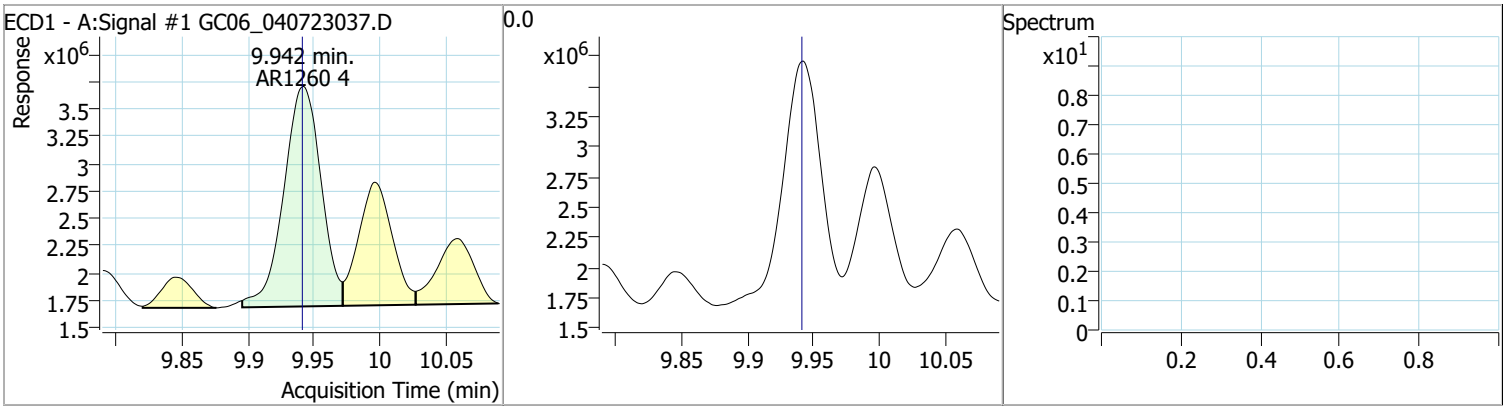
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	591.5775	9.43	0.00	7831908				



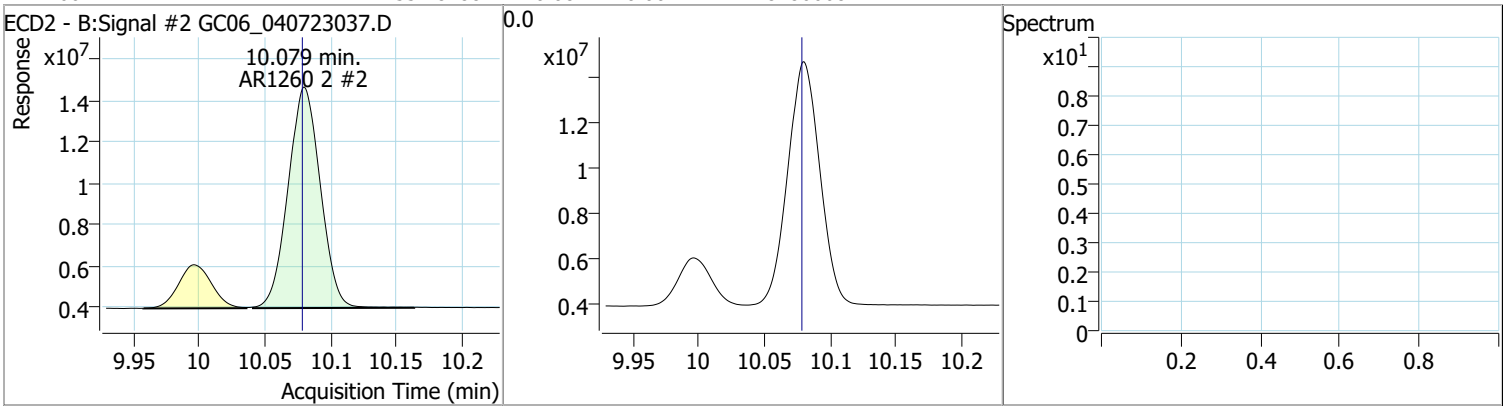
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	576.5063	9.81	0.00	15357373				



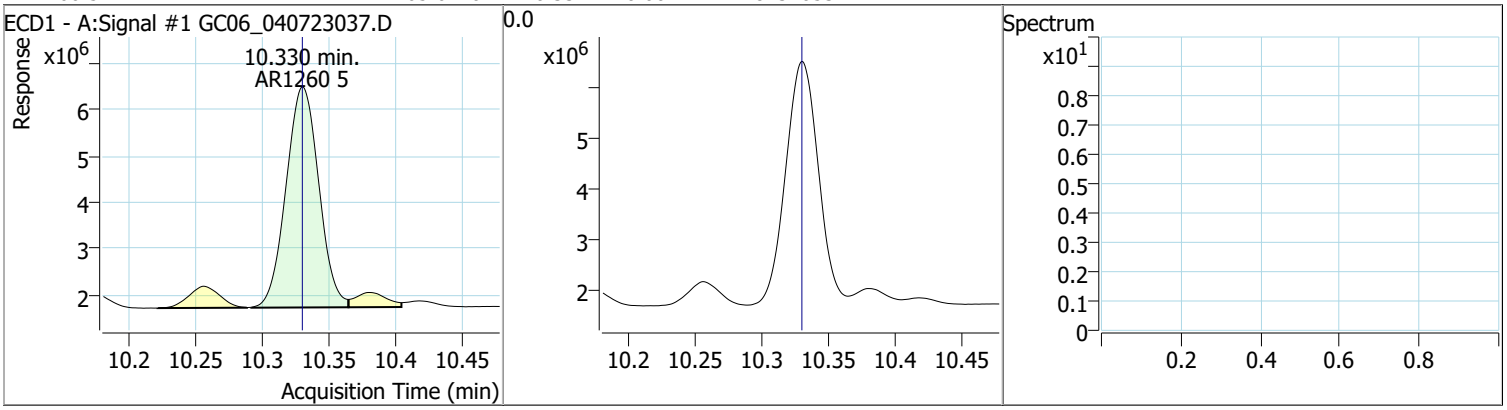
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AR1260 4	481.3275	9.94	0.00	3943897				



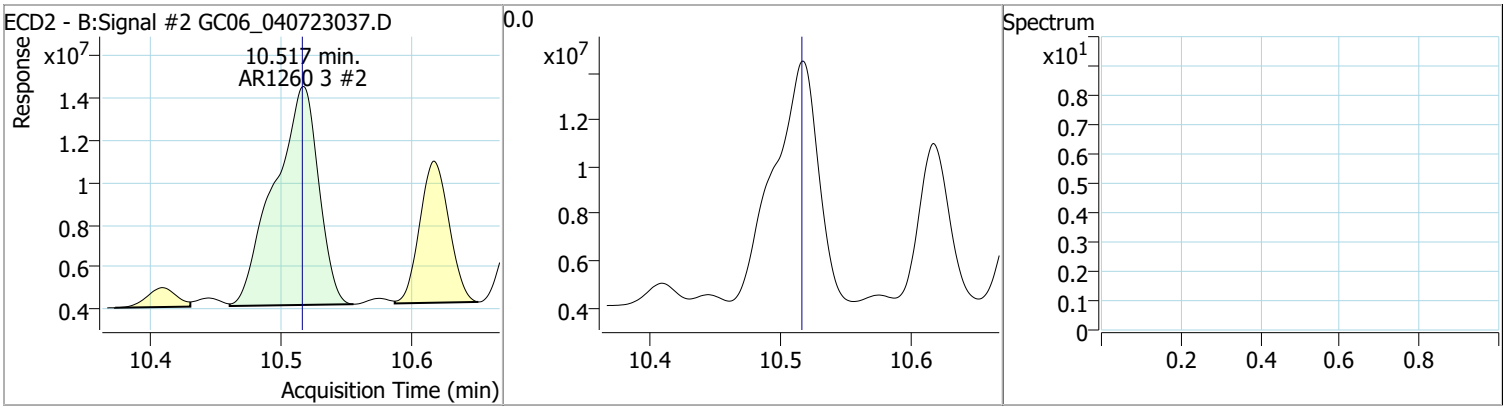
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.8788	10.08	0.00	18286668				



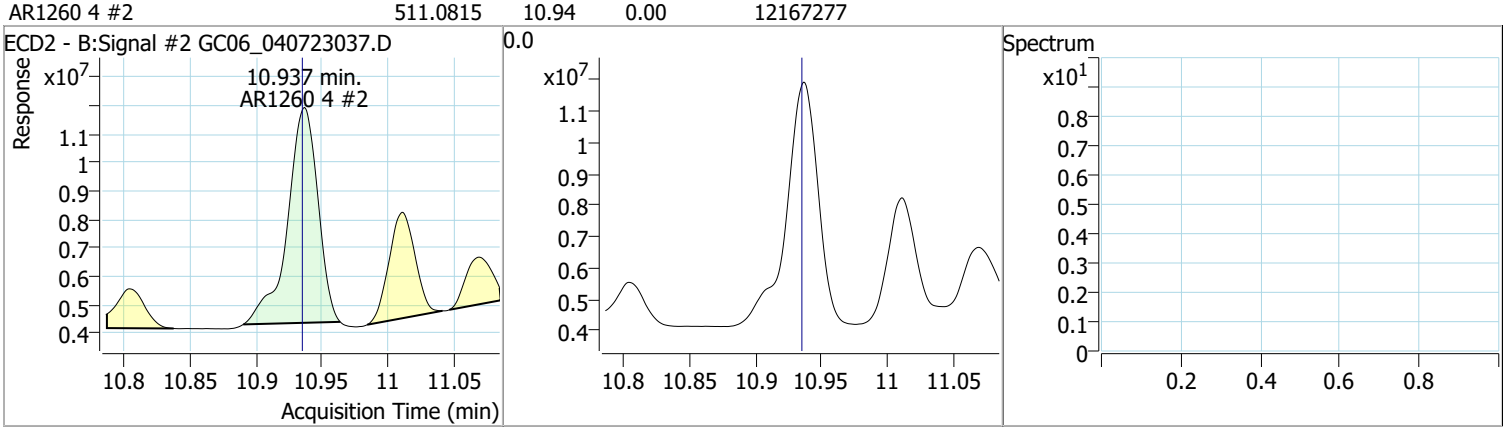
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	465.6240	10.33	0.00	8237053				



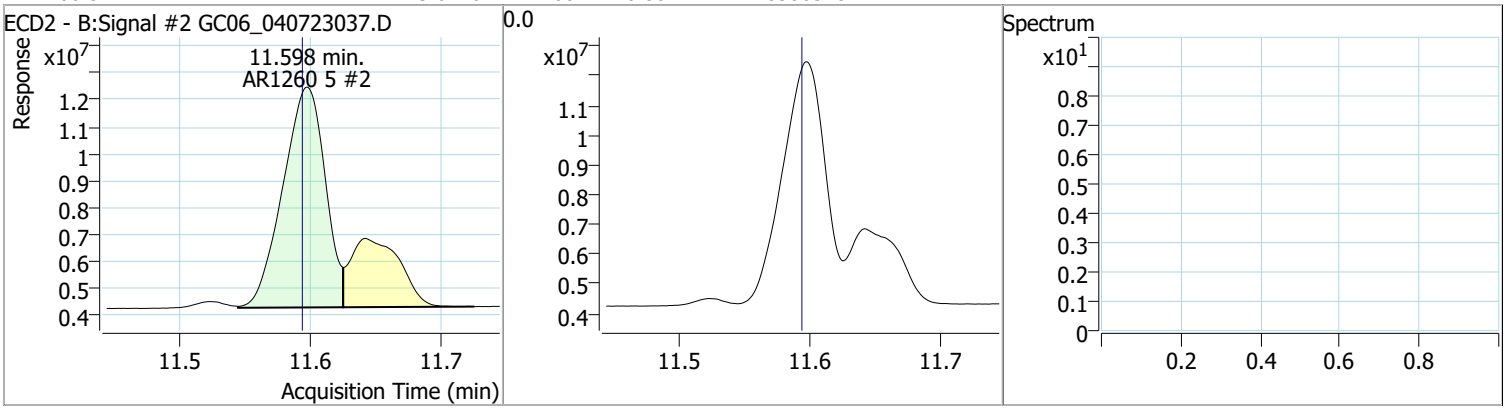
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	596.1556	10.52	0.00	24191655				



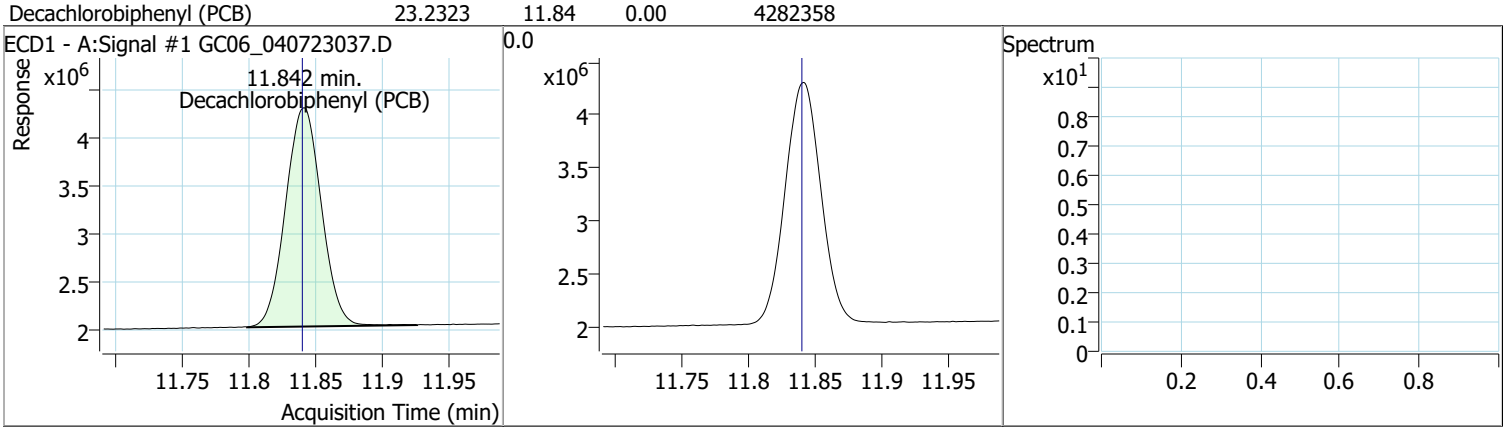
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	511.0815	10.94	0.00	12167277				



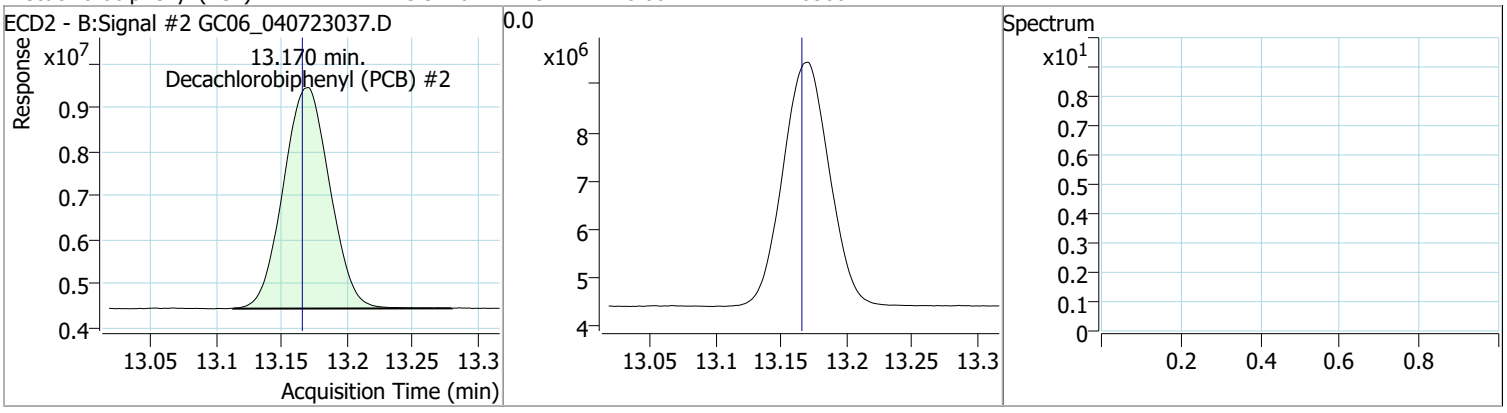
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	473.6216	11.60	0.00	18306510				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.2323	11.84	0.00	4282358				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.9410	13.17	0.00	12440560				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453156076004	File:	gc06_041823004	Time:	18-APR-2023 09:53
Cal:	453140432001	Caldate:	07-APR-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	537.7	ug/L	8	15	0.0000	
Aroclor-1260	A			500.0	570.5	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.6846	40.00	47.81	ug/L	**20**	15	0.0000	c+
TCMX (PCB)	A	1.0215	0.9892	40.00	38.74	ug/L	-3	15	0.0000	
Aroclor-1016	B			500.0	488.6	ug/L	-2	15	0.0000	
Aroclor-1260	B			500.0	550.5	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.3171	40.00	47.33	ug/L	**18**	15	0.0000	c+
TCMX (PCB)	B	0.9904	0.9301	40.00	37.57	ug/L	-6	15	0.0000	

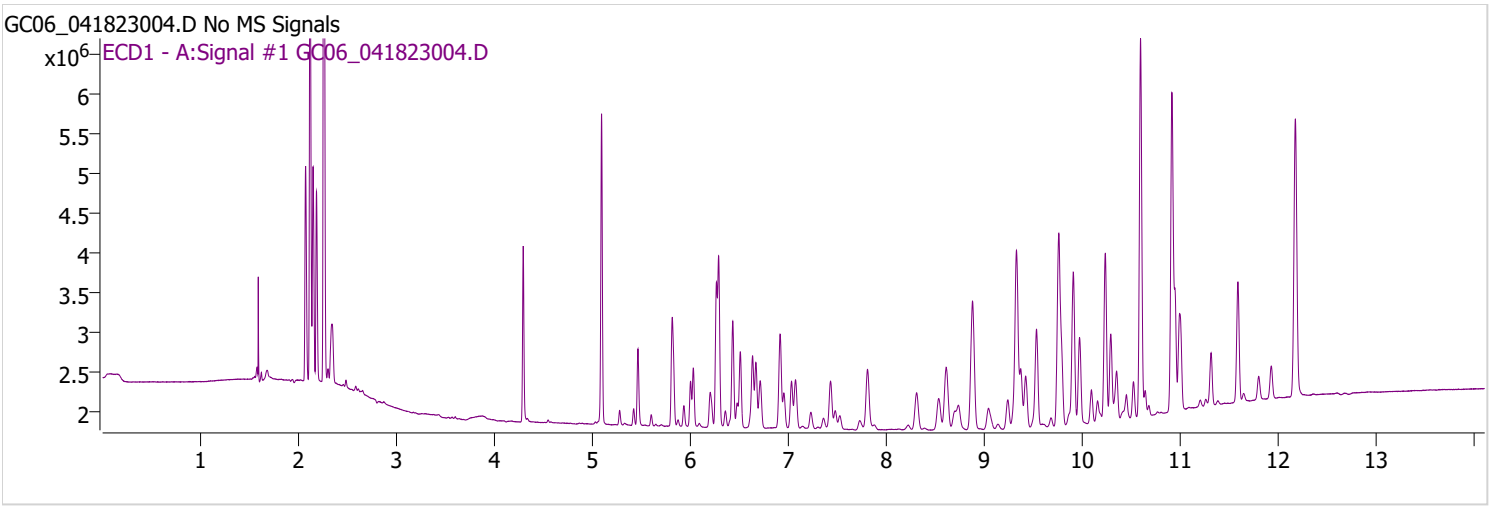
ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	8257104	1.18
1-bromo-2-nitrobenzene (PCB)	A	2292783	2167699	-5.46

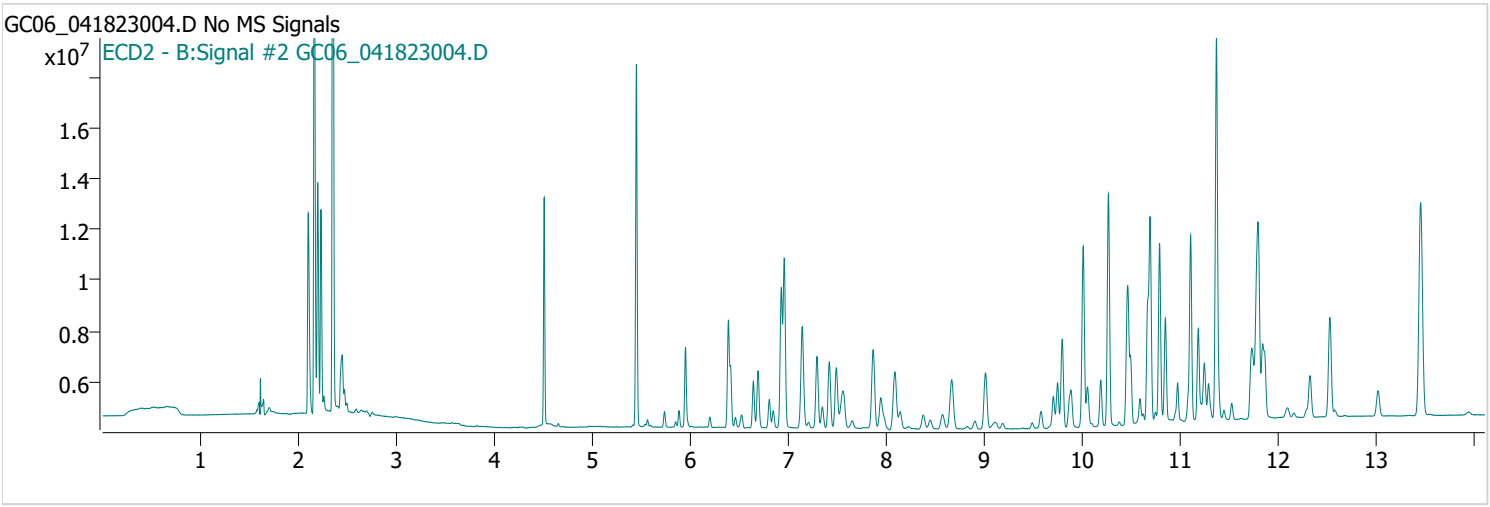
+=high bias c=CCV

Analyst: MES 04/19/23 **Reviewer:** LW 04/19/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/18/2023 9:53:03 AM
Sample Name	CCV, S17896	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



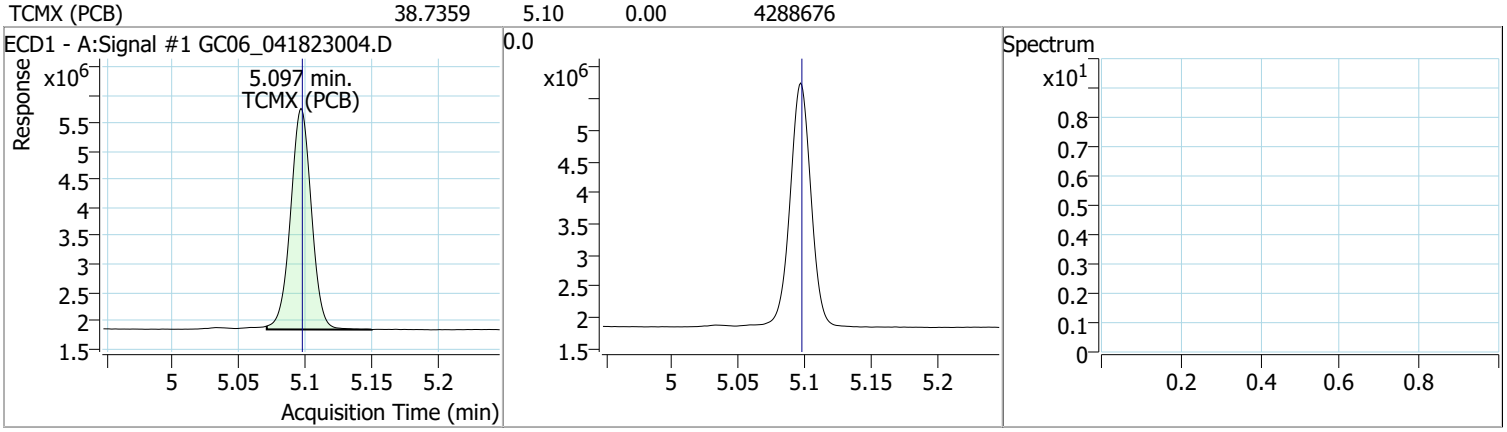


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.297	0.0	2167698.860	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.511	0.0	8257103.532	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.097	0.0	4288675.664	38.7359	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.68%		*	
S TCMX (PCB) #2	5.453	0.0	15359641.967	37.5656	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.83%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	7303464.258	47.8120	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 239.06%		*	
S Decachlorobiphenyl (PCB) #2	13.462	0.0	21751190.124	47.3332	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.67%		*	
Target Compounds							QValue

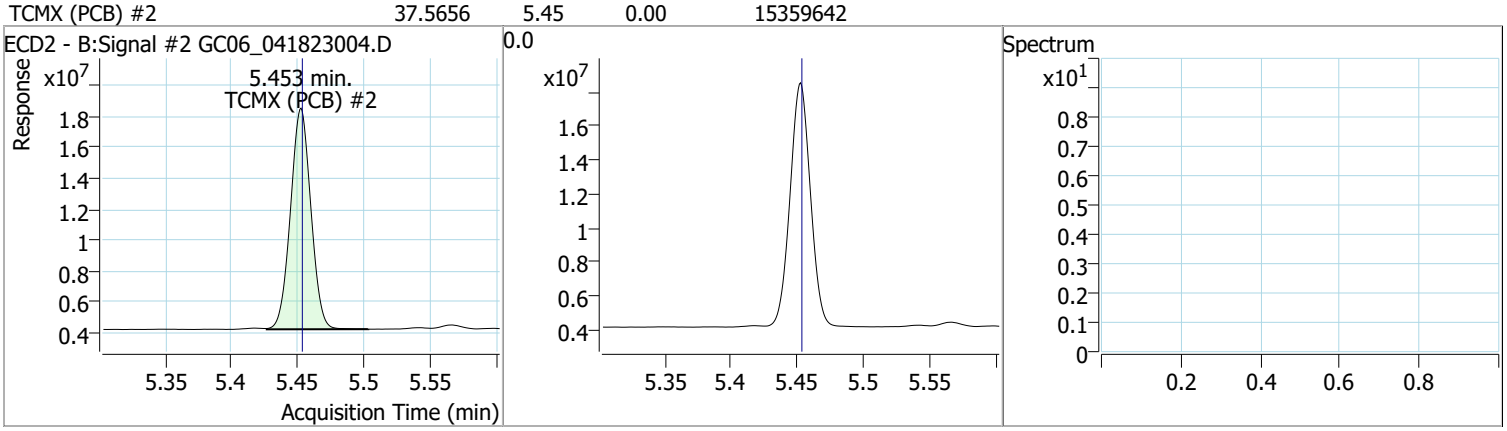
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.468	0.0	1216050.151	539.3861	ng/ml	100
T AR1016 2	5.819	0.0	2451015.257	506.7153	ng/ml	100
T AR1016 1 #2	5.953	0.0	4003263.364	471.6749	ng/ml	100
T AR1016 3	6.292	0.0	3084944.182	512.6852	ng/ml	100
T AR1016 2 #2	6.392	0.0	8673092.142	484.5731	ng/ml	100
T AR1016 4	6.437	0.0	2222686.637	502.3926	ng/ml	100
T AR1016 5	6.639	0.0	1628109.538	627.4519	ng/ml	100
T AR1016 3 #2	6.962	0.0	11165167.537	491.6421	ng/ml	100
T AR1016 4 #2	7.146	0.0	8021997.433	491.0134	ng/ml	100
T AR1016 5 #2	7.870	0.0	6779192.054	503.8986	ng/ml	100
T AR1260 1	8.885	0.0	4032763.530	558.3501	ng/ml	100
T AR1260 2	9.334	0.0	5488365.974	502.7737	ng/ml	100
T AR1260 3	9.767	0.0	6476667.837	590.3296	ng/ml	100
T AR1260 1 #2	10.016	0.0	12543527.736	532.4596	ng/ml	100
T AR1260 4	10.241	0.0	3838109.847	565.2381	ng/ml	100
T AR1260 2 #2	10.273	0.0	15159724.235	520.1573	ng/ml	100
T AR1260 3 #2	10.698	0.0	19136570.316	533.2587	ng/ml	100
T AR1260 5	10.921	0.0	9324069.723	636.0157	ng/ml	100
T AR1260 4 #2	11.113	0.0	11816445.540	561.2591	ng/ml	100
T AR1260 5 #2	11.800	0.0	20701205.705	605.6216	ng/ml	100

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

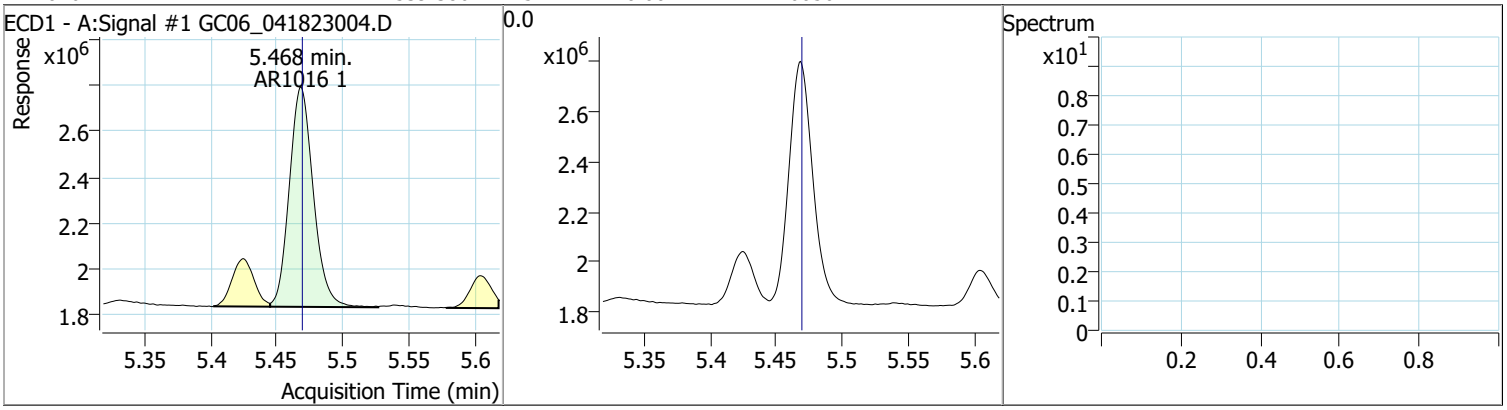
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.7359	5.10	0.00	4288676				



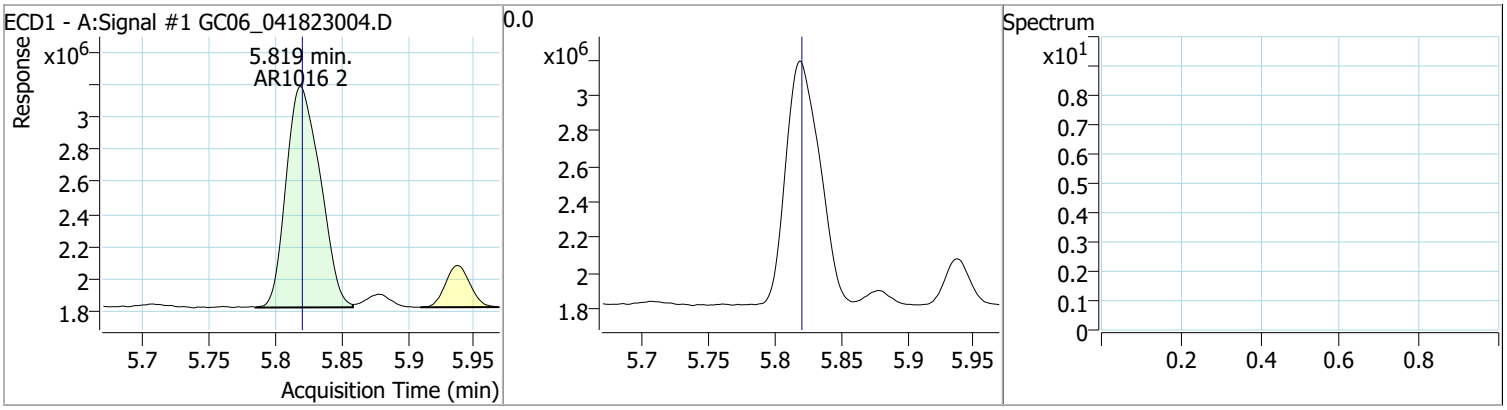
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5656	5.45	0.00	15359642				



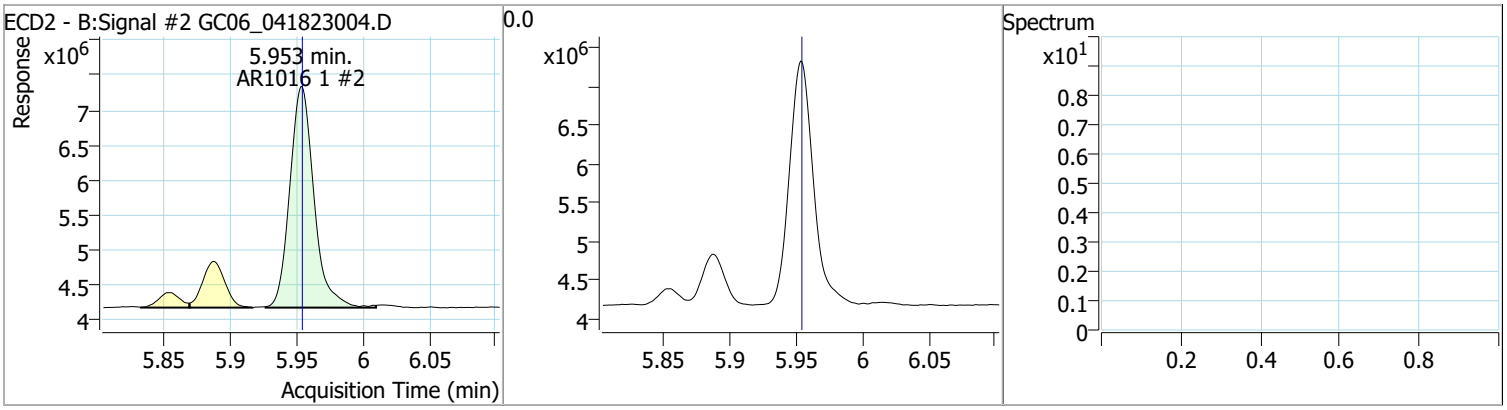
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	539.3861	5.47	0.00	1216050				



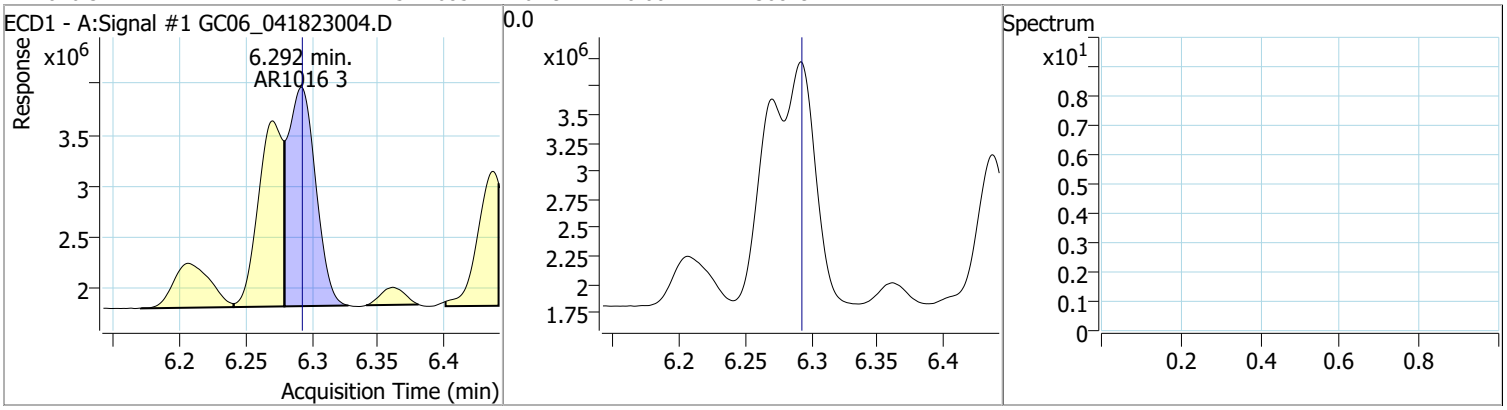
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	506.7153	5.82	0.00	2451015				



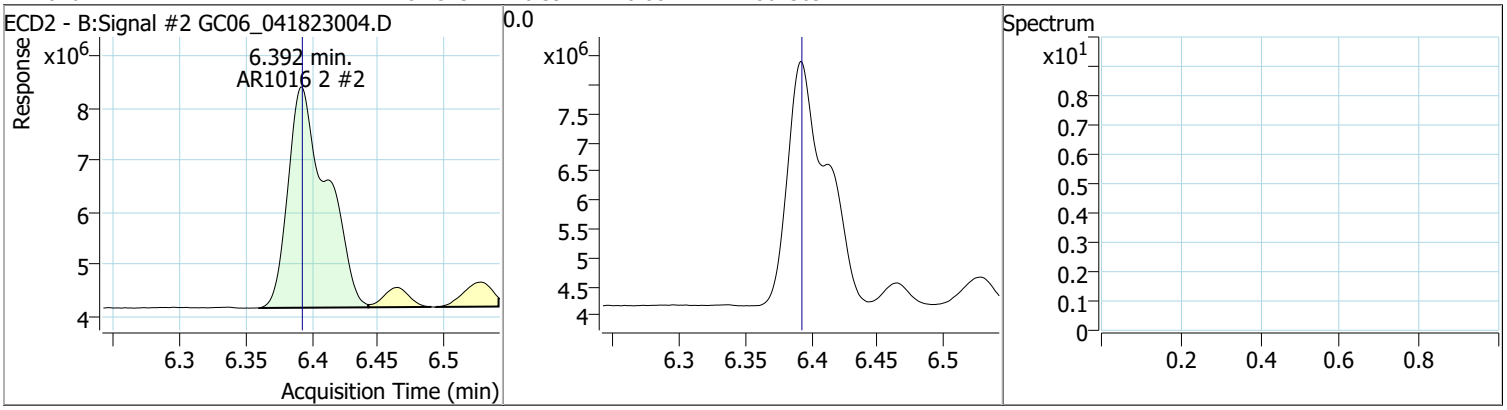
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.6749	5.95	0.00	4003263				



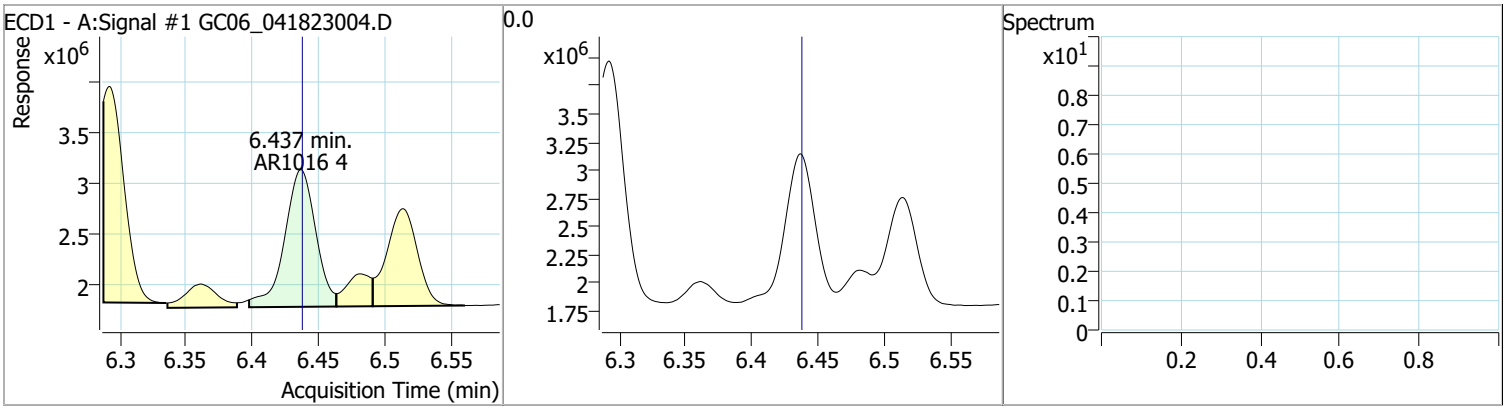
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	512.6852	6.29	0.00	3084944				



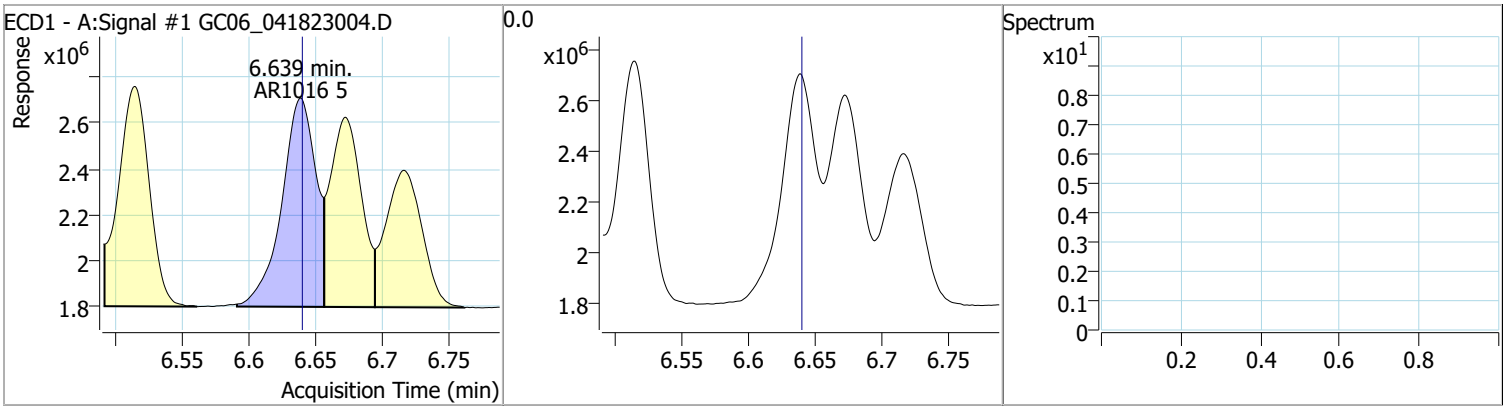
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	484.5731	6.39	0.00	8673092				



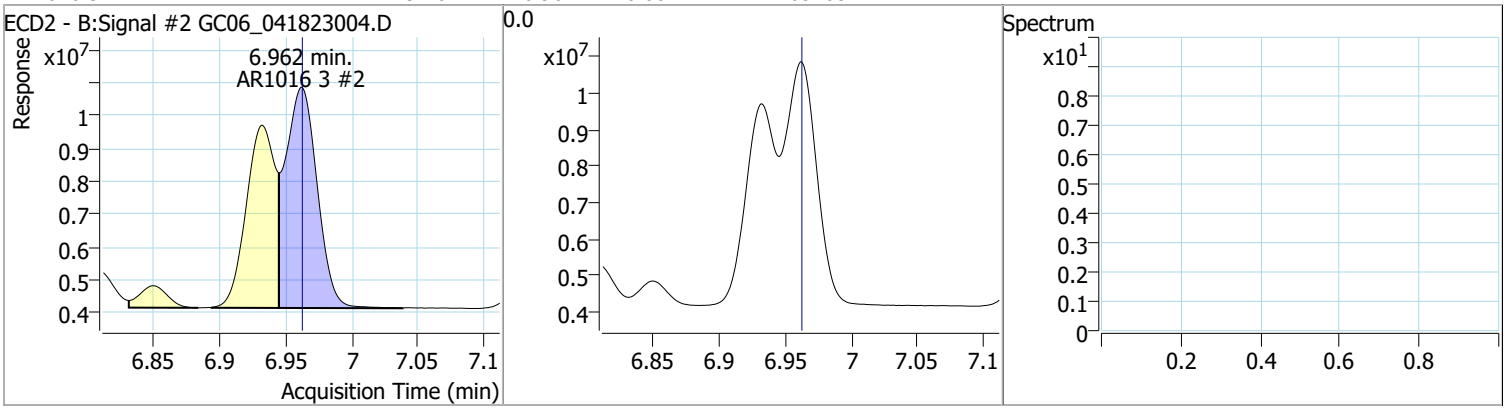
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	502.3926	6.44	0.00	2222687				



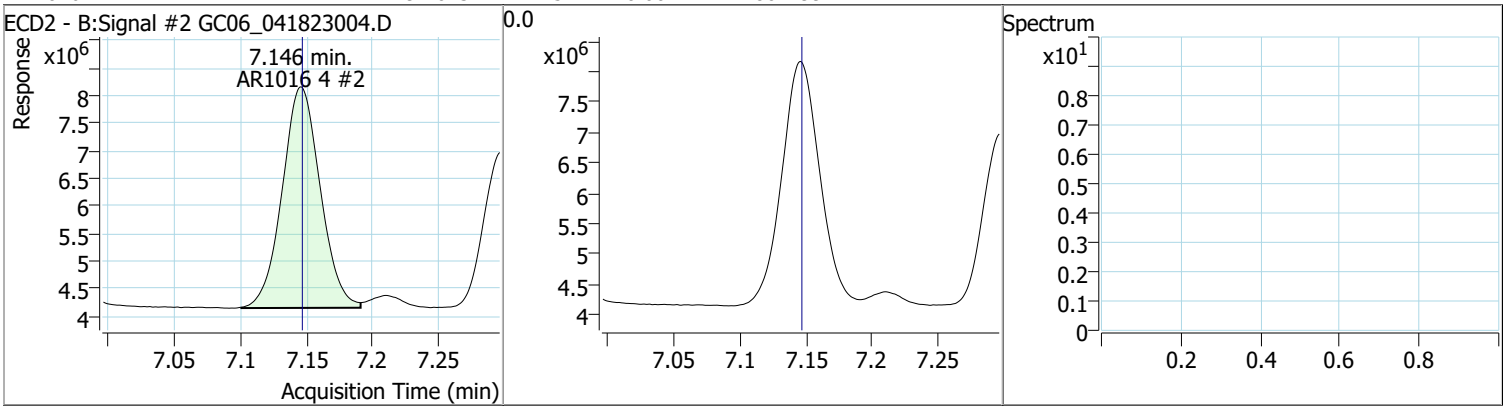
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	627.4519	6.64	0.00	1628110				



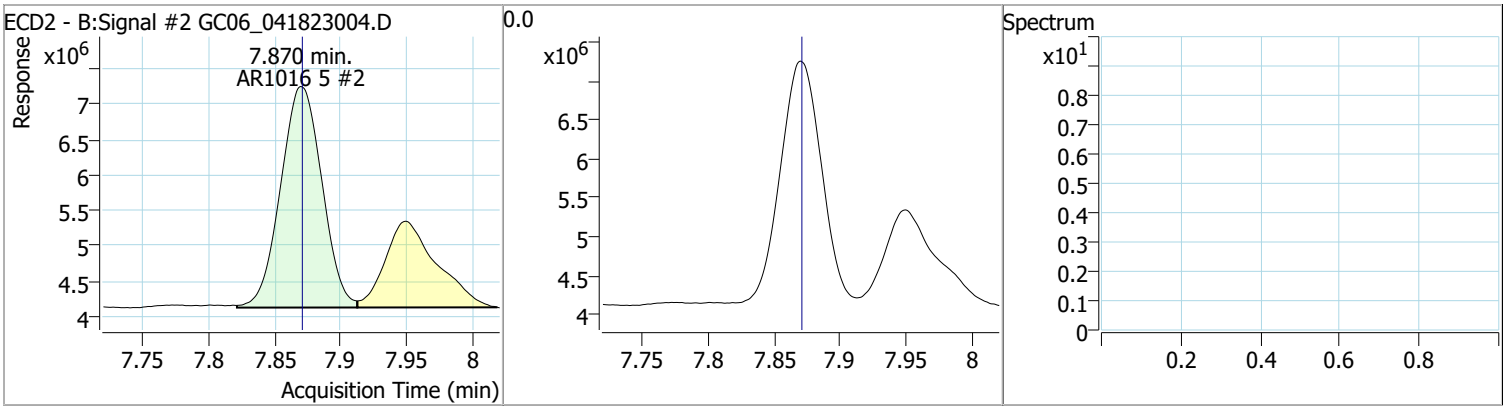
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	491.6421	6.96	0.00	11165168				



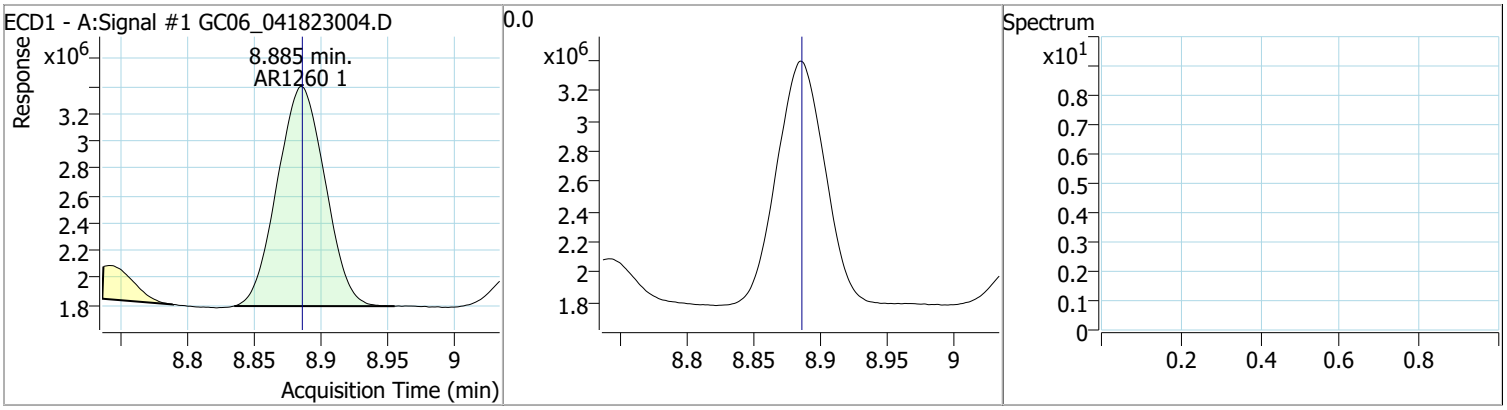
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	491.0134	7.15	0.00	8021997				



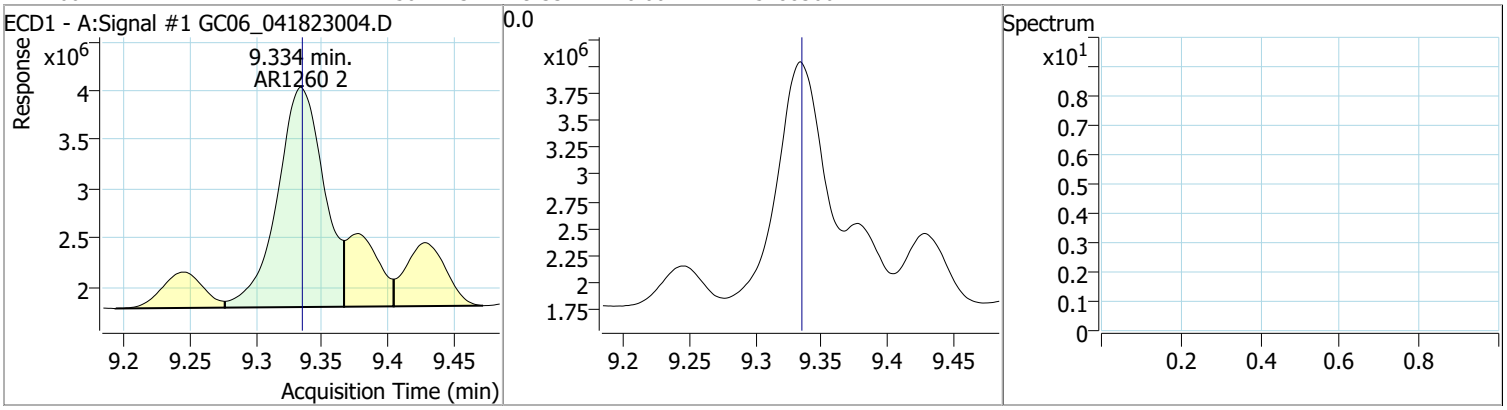
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	503.8986	7.87	0.00	6779192				



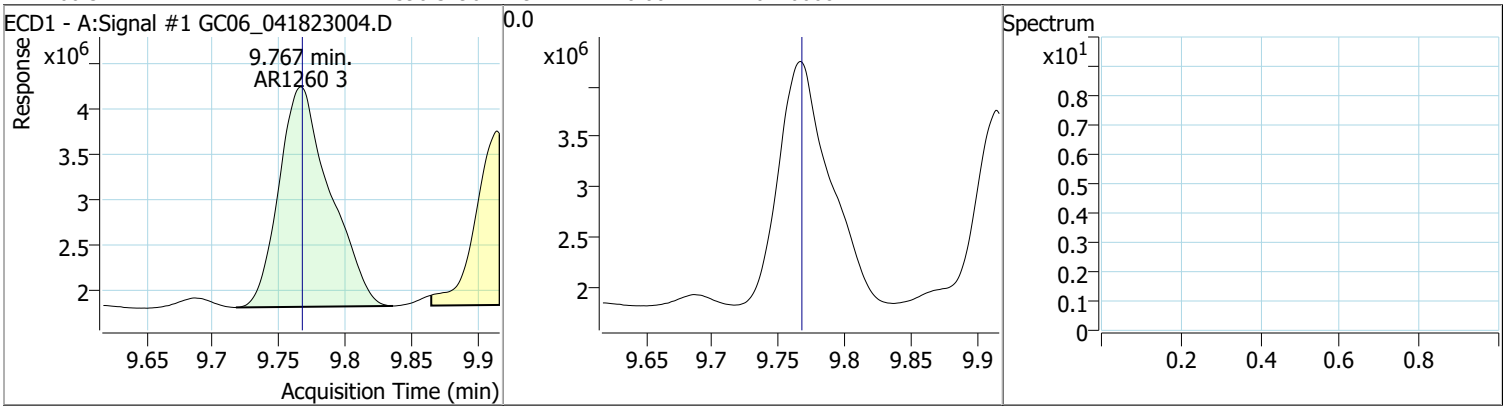
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	558.3501	8.89	0.00	4032764				



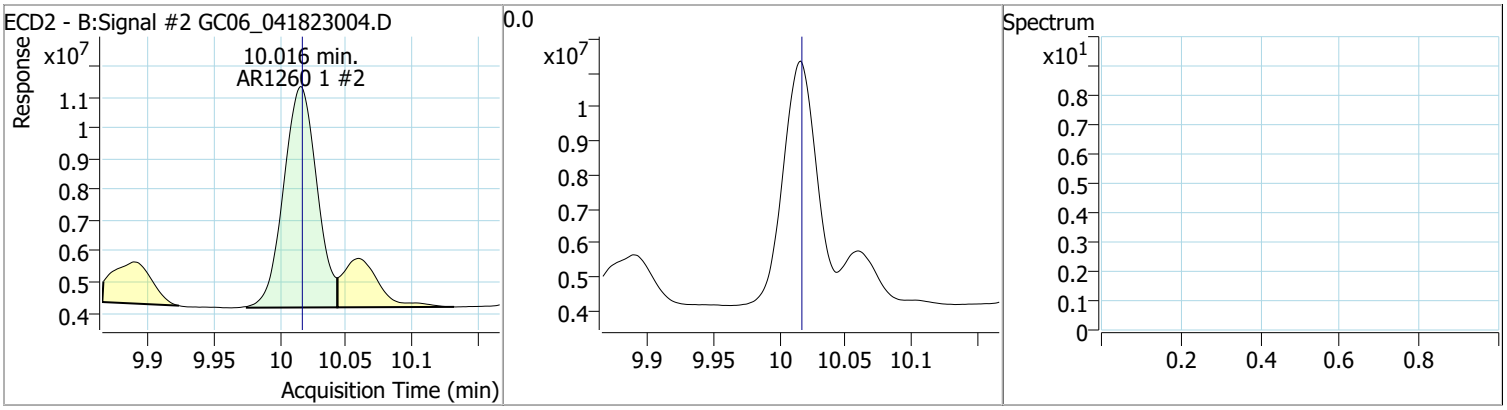
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	502.7737	9.33	0.00	5488366				



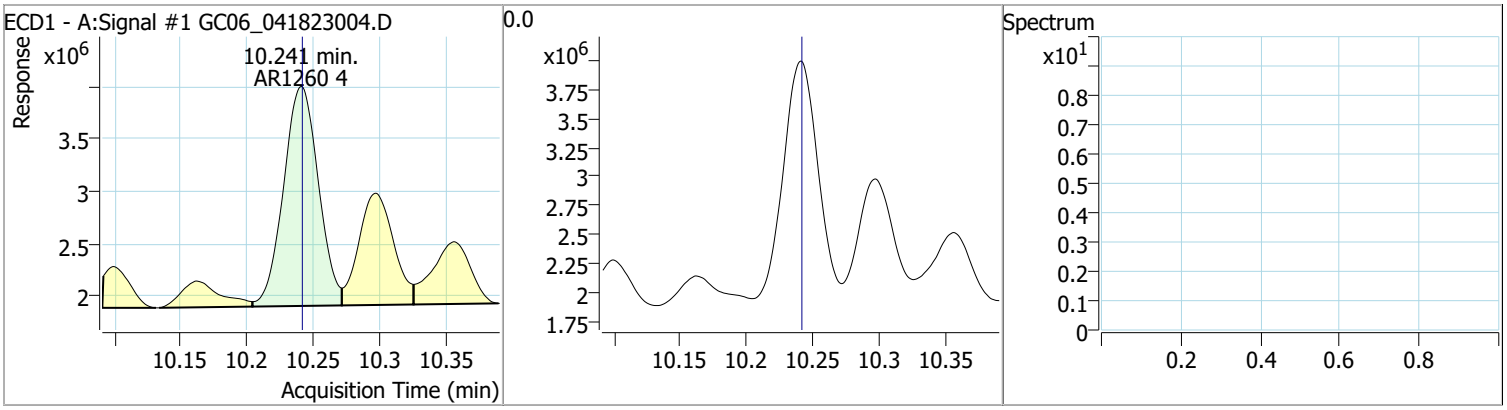
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	590.3296	9.77	0.00	6476668				



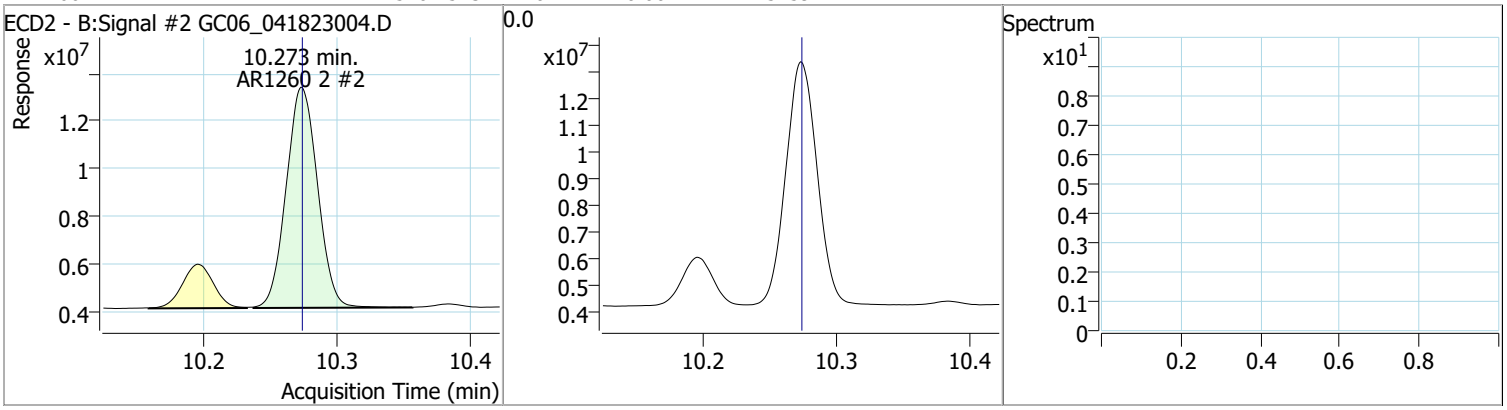
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	532.4596	10.02	0.00	12543528				



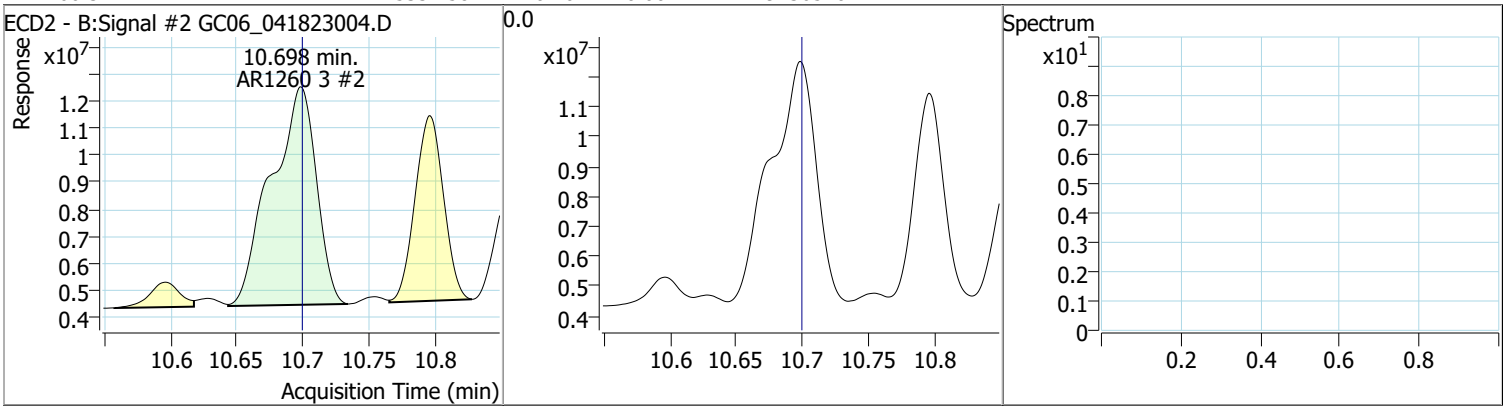
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	565.2381	10.24	0.00	3838110				



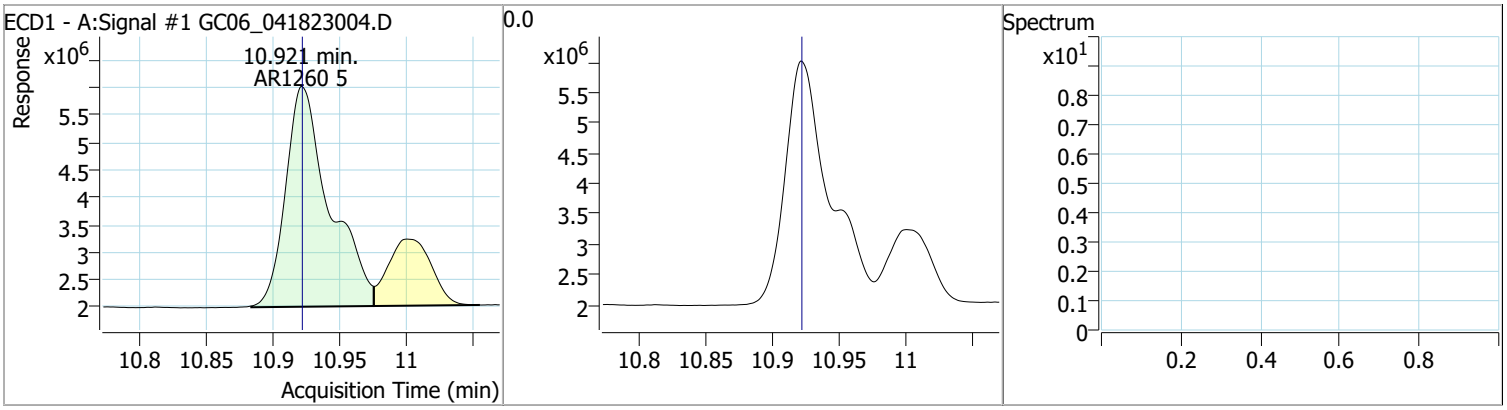
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	520.1573	10.27	0.00	15159724				



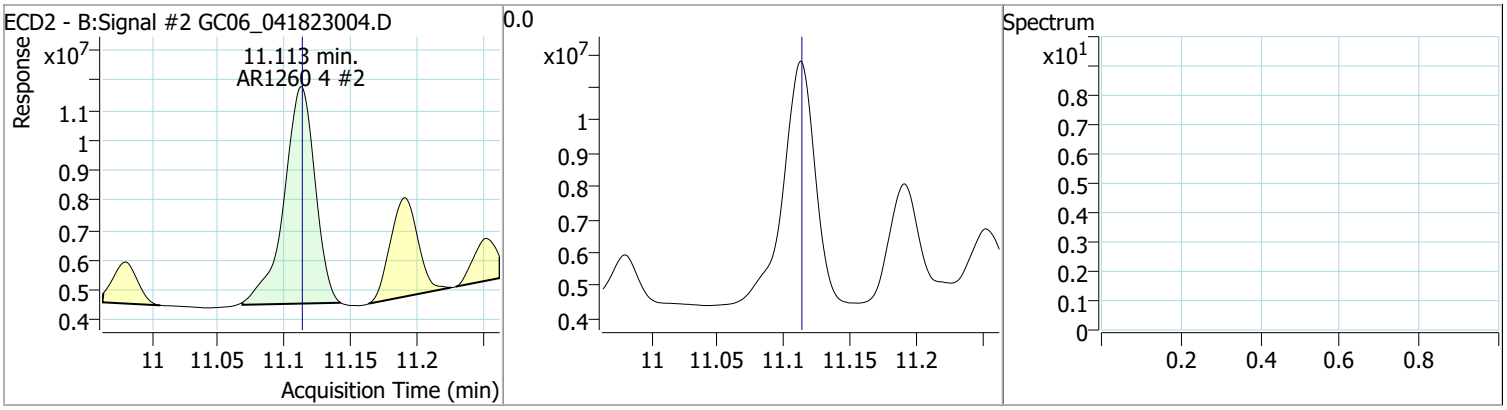
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	533.2587	10.70	0.00	19136570				



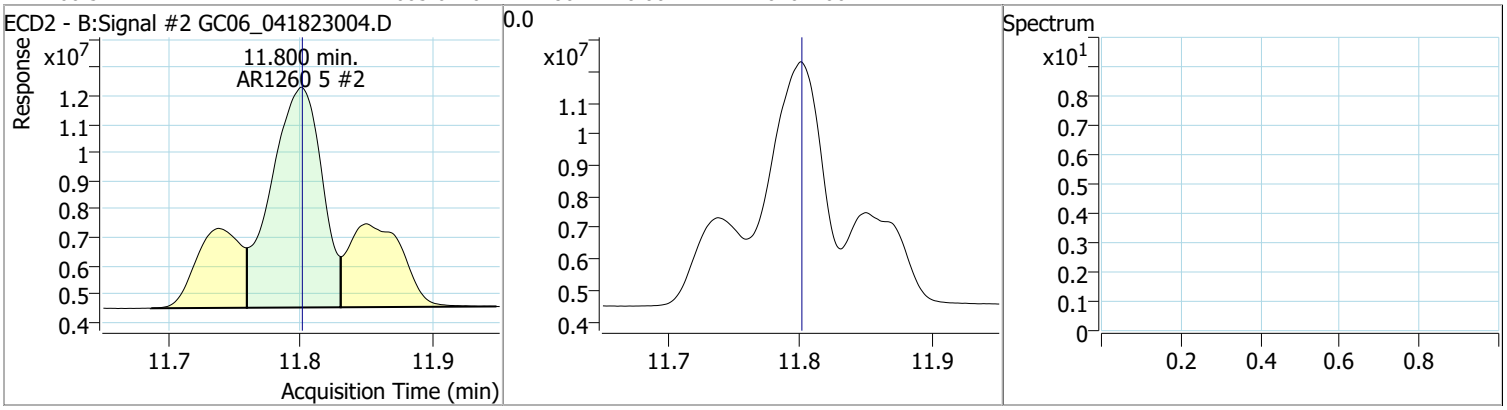
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	636.0157	10.92	0.00	9324070				



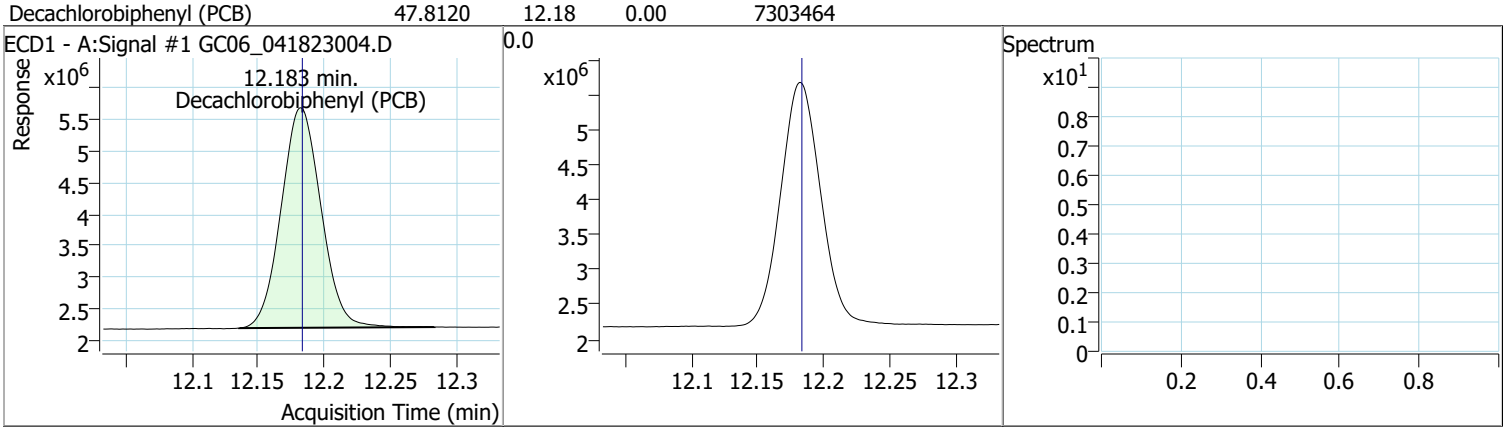
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	561.2591	11.11	0.00	11816446				



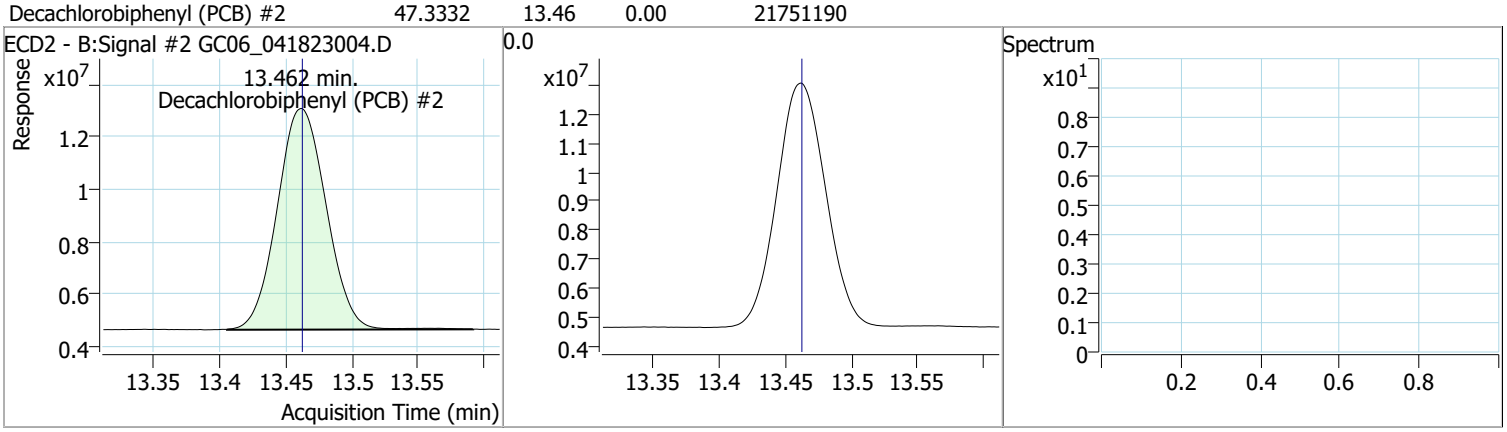
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	605.6216	11.80	0.00	20701206				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.8120	12.18	0.00	7303464				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.3332	13.46	0.00	21751190				



ENTHALPY CONTINUING CALIBRATION FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453156076055	File:	gc06_041823055	Time:	19-APR-2023 01:13
Cal:	453140432001	Caldate:	07-APR-2023		

Standards: S17896

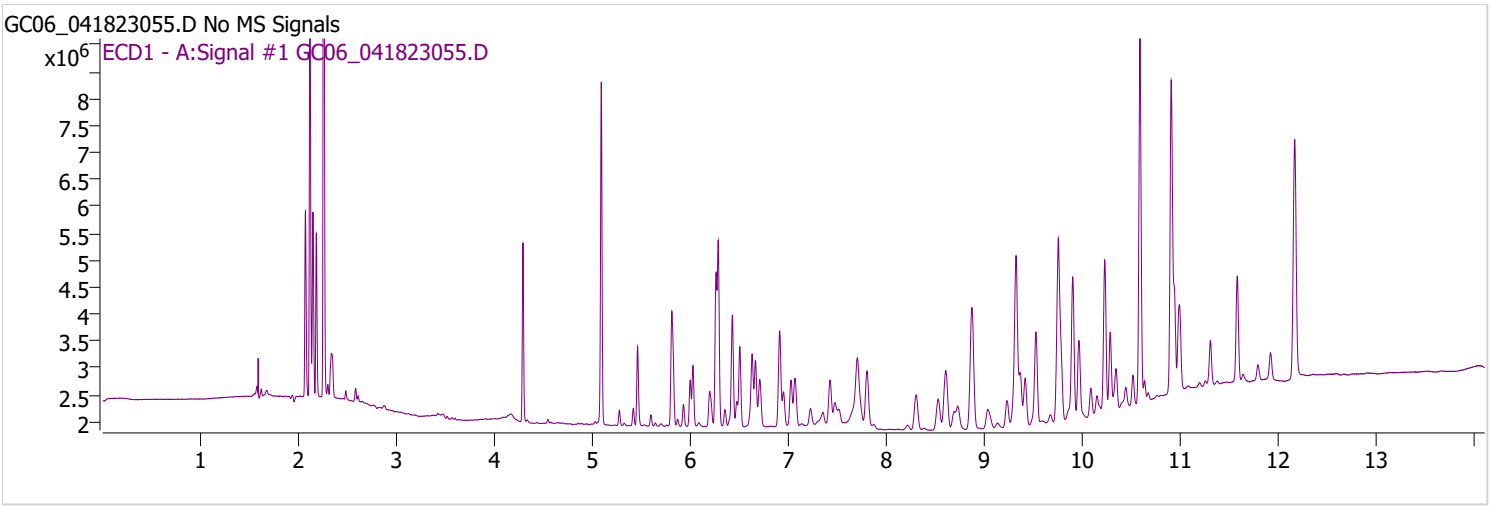
Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	553.5	ug/L	11	15	0.0000	
Aroclor-1260	A			500.0	536.2	ug/L	7	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.4943	40.00	42.41	ug/L	6	15	0.0000	
TCMX (PCB)	A	1.0215	1.0800	40.00	42.29	ug/L	6	15	0.0000	
Aroclor-1016	B			500.0	523.7	ug/L	5	15	0.0000	
Aroclor-1260	B			500.0	485.5	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.1036	40.00	39.66	ug/L	-1	15	0.0000	
TCMX (PCB)	B	0.9904	1.0315	40.00	41.66	ug/L	4	15	0.0000	

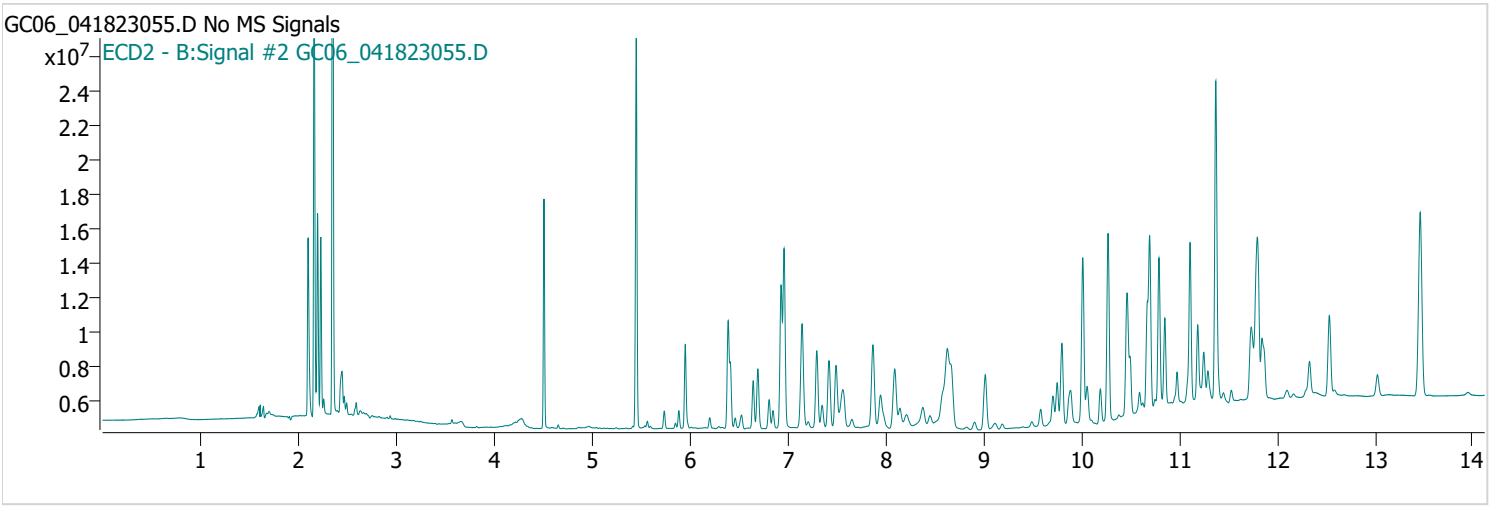
ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	11797408	44.57
1-bromo-2-nitrobenzene (PCB)	A	2292783	3171036	38.31

Analyst: TRN 04/20/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_041823055.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/19/2023 1:13:33 AM
Sample Name	CCV, S17896	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	041823PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



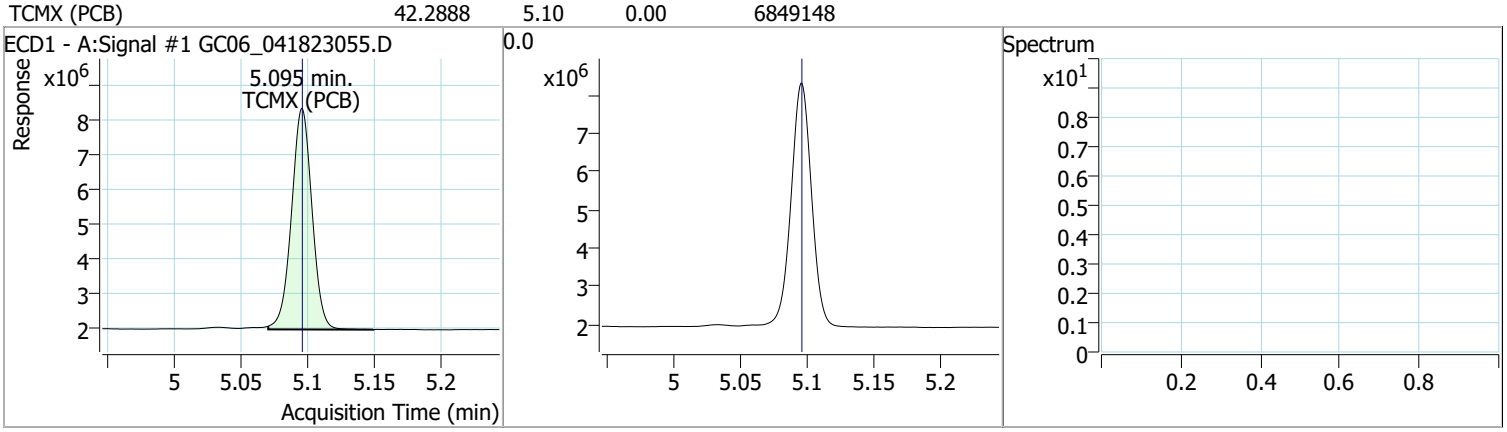


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.295	0.0	3171035.788	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.510	0.0	11797407.687	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.095	0.0	6849147.816	42.2888	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.44%		*	
S TCMX (PCB) #2	5.453	0.0	24338458.671	41.6623	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.31%		*	
S Decachlorobiphenyl (PCB)	12.181	0.0	9476980.847	42.4108	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.05%		*	
S Decachlorobiphenyl (PCB) #2	13.463	0.0	26039120.156	39.6598	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.30%		*	
Target Compounds							QValue

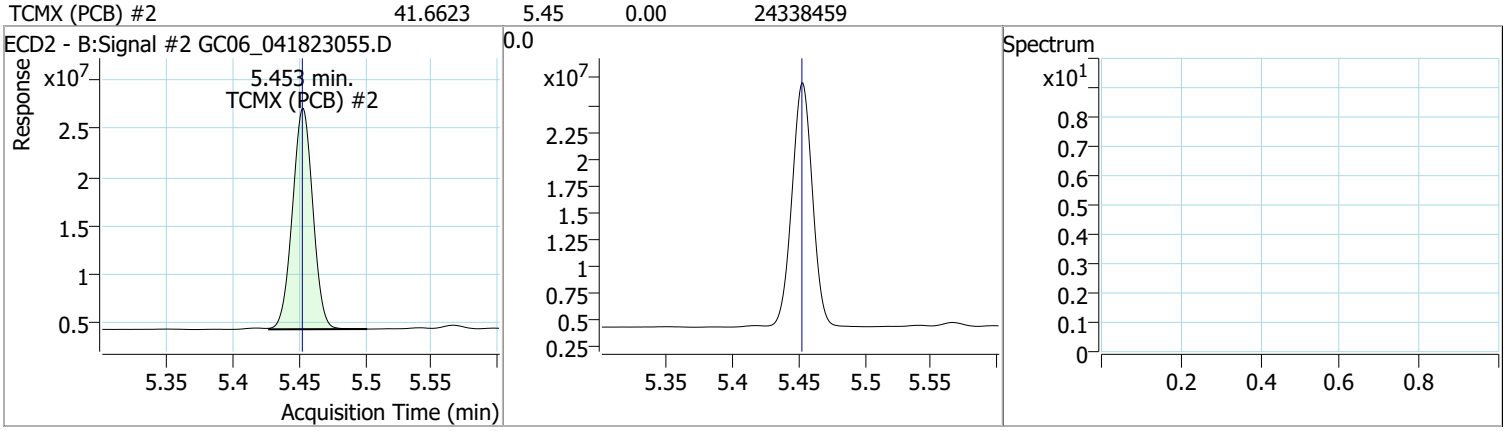
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.466	0.0	1831529.536	555.3413	ng/ml	100
T AR1016 2	5.817	0.0	3789675.209	535.5719	ng/ml	100
T AR1016 1 #2	5.953	0.0	6247524.626	515.2022	ng/ml	100
T AR1016 3	6.290	0.0	4763316.311	541.1413	ng/ml	100
T AR1016 2 #2	6.393	0.0	13451318.210	526.0068	ng/ml	100
T AR1016 4	6.434	0.0	3238656.904	500.4121	ng/ml	100
T AR1016 5	6.637	0.0	2410336.458	634.9979	ng/ml	100
T AR1016 3 #2	6.963	0.0	16796927.394	517.6722	ng/ml	100
T AR1016 4 #2	7.148	0.0	12230397.011	523.9532	ng/ml	100
T AR1016 5 #2	7.871	0.0	10294769.795	535.5783	ng/ml	100
T AR1260 1	8.882	0.0	5810288.582	549.9198	ng/ml	100
T AR1260 2	9.333	0.0	7597843.656	475.7925	ng/ml	100
T AR1260 3	9.765	0.0	8793957.302	547.9300	ng/ml	100
T AR1260 1 #2	10.015	0.0	16968918.877	504.1529	ng/ml	100
T AR1260 4	10.239	0.0	5014344.961	504.8078	ng/ml	100
T AR1260 2 #2	10.273	0.0	18499266.268	444.2618	ng/ml	100
T AR1260 3 #2	10.698	0.0	24333395.051	474.5890	ng/ml	100
T AR1260 5	10.918	0.0	12923953.340	602.6367	ng/ml	100
T AR1260 4 #2	11.112	0.0	14366376.664	477.6007	ng/ml	100
T AR1260 5 #2	11.799	0.0	25740598.218	527.0666	ng/ml	100

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

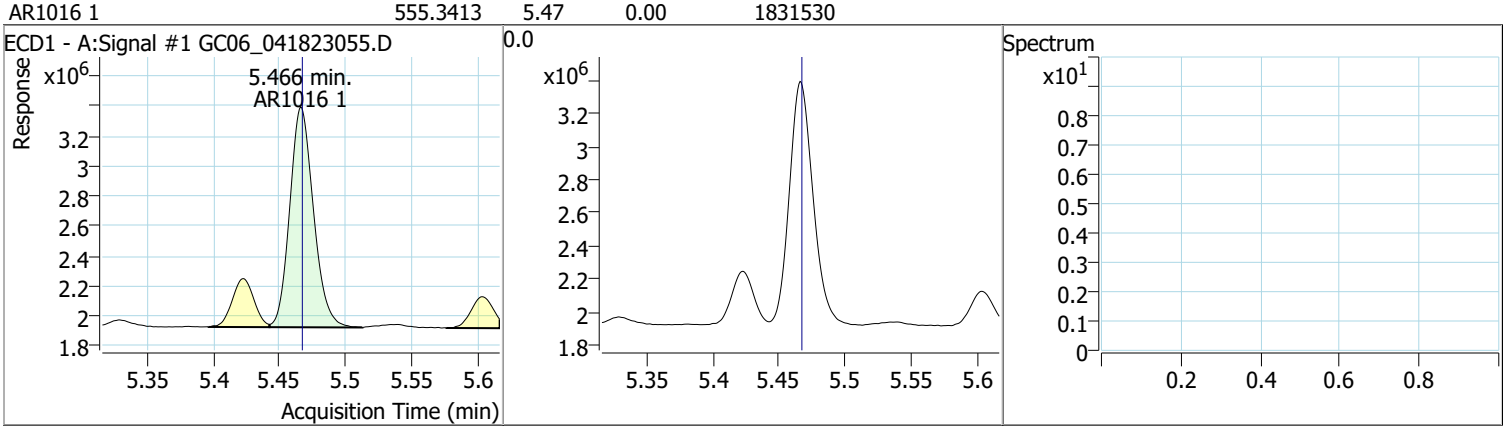
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.2888	5.10	0.00	6849148				



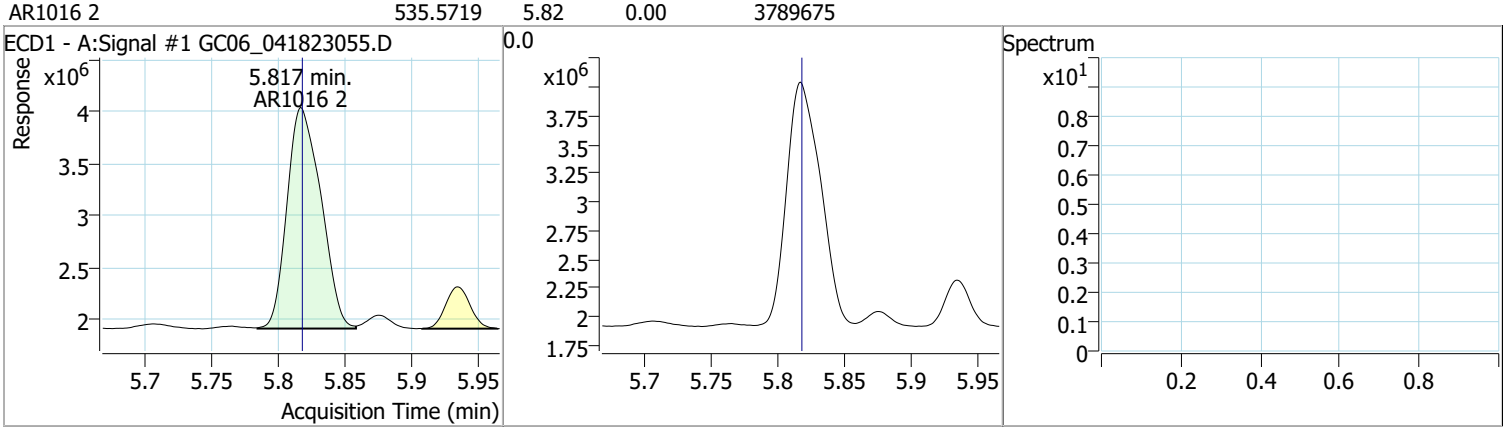
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.6623	5.45	0.00	24338459				



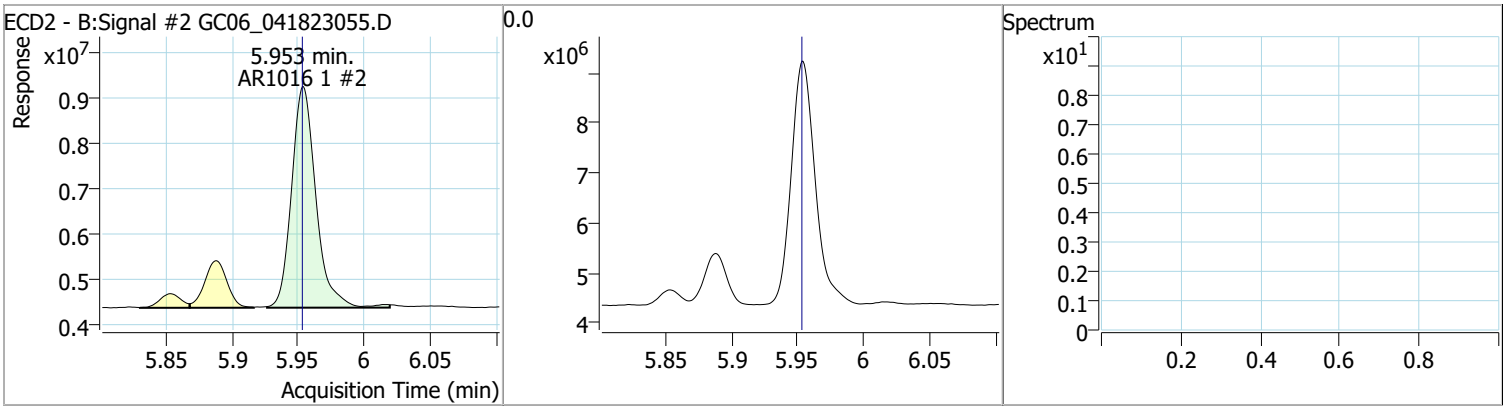
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	555.3413	5.47	0.00	1831530				



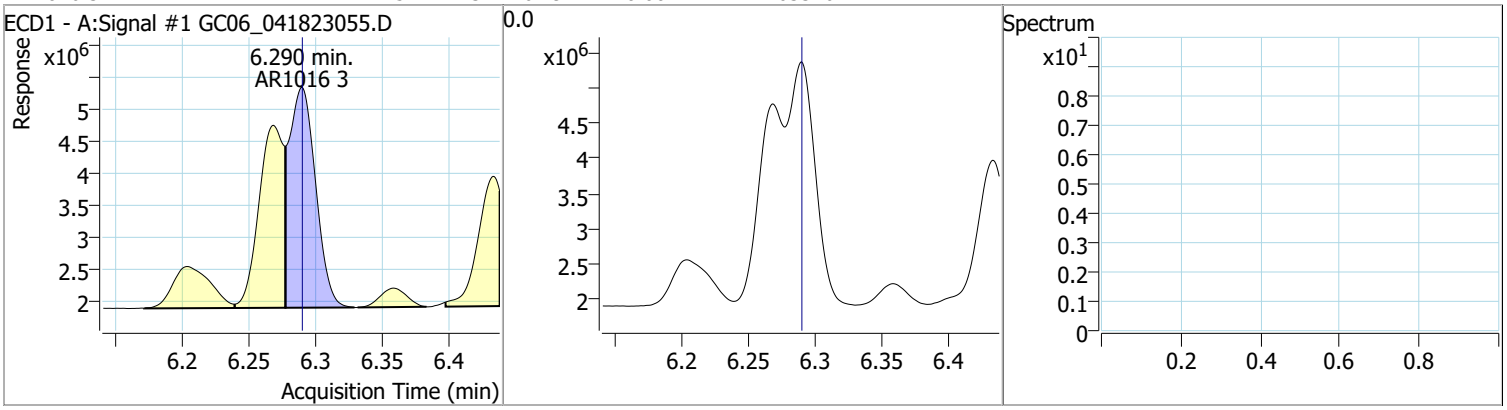
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	535.5719	5.82	0.00	3789675				



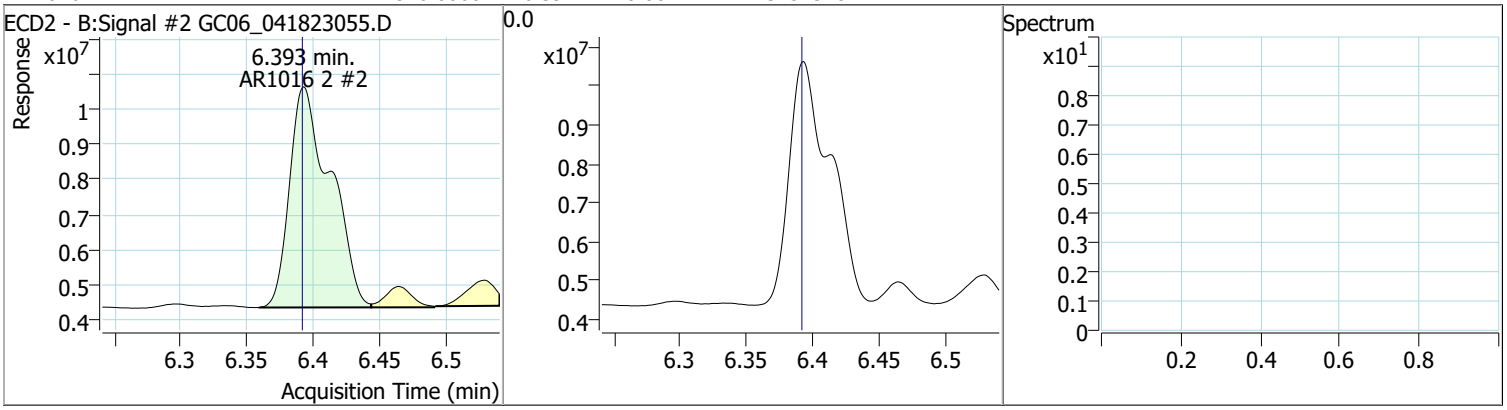
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	515.2022	5.95	0.00	6247525				



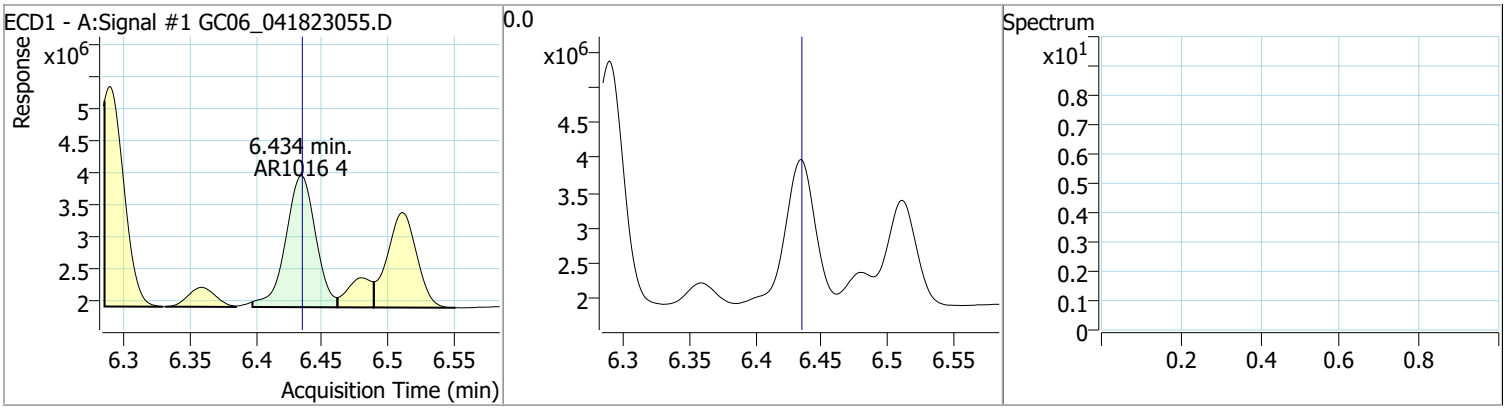
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	541.1413	6.29	0.00	4763316				



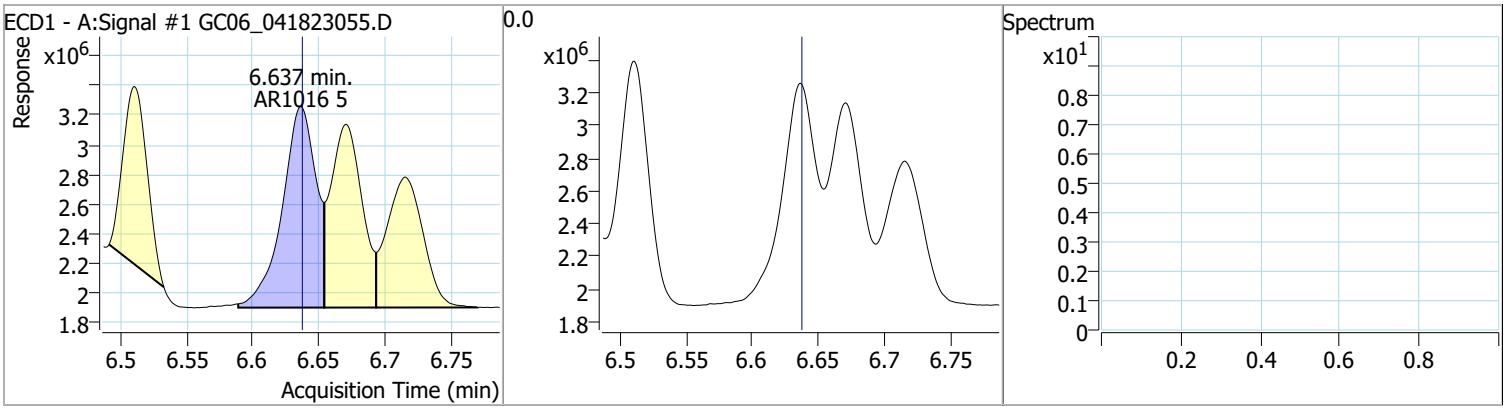
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	526.0068	6.39	0.00	13451318				



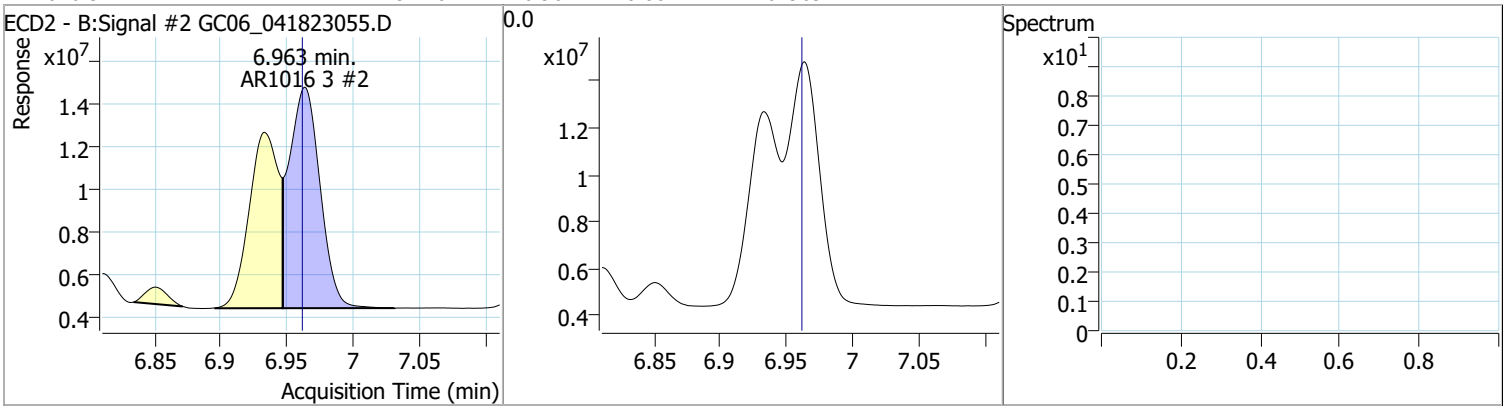
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	500.4121	6.43	0.00	3238657				



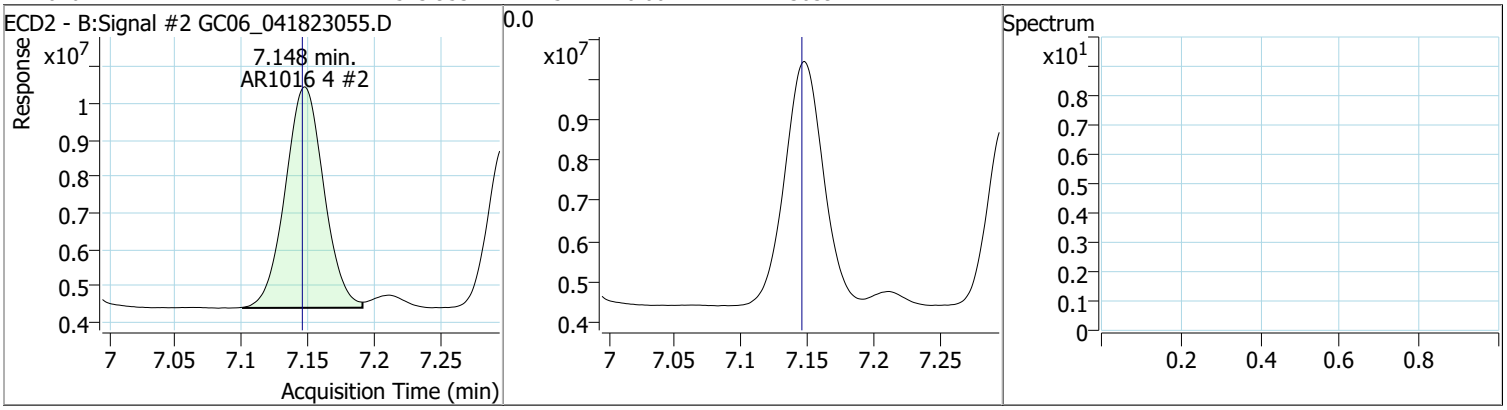
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	634.9979	6.64	0.00	2410336				



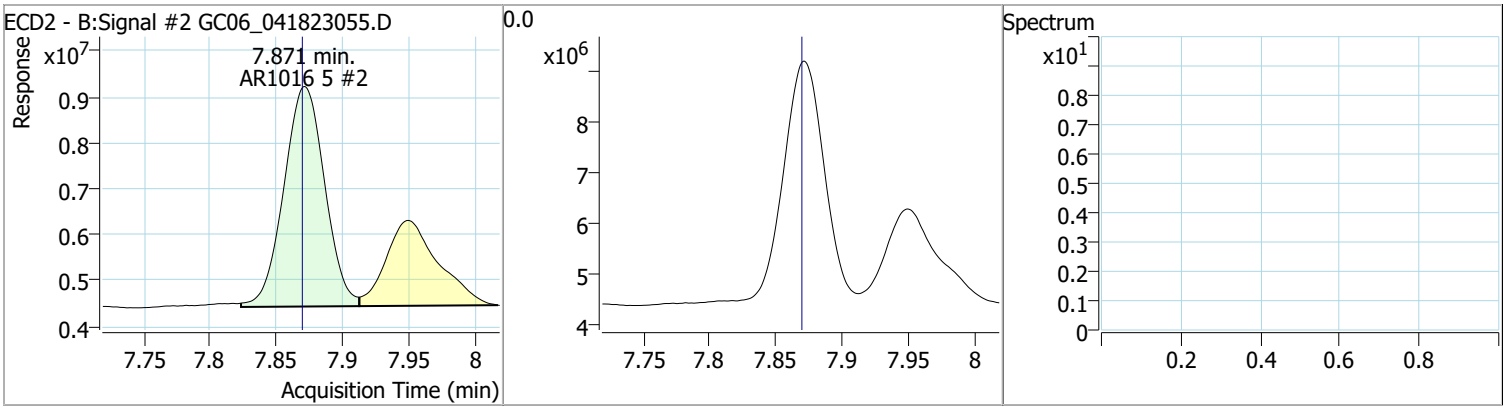
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	517.6722	6.96	0.00	16796927				



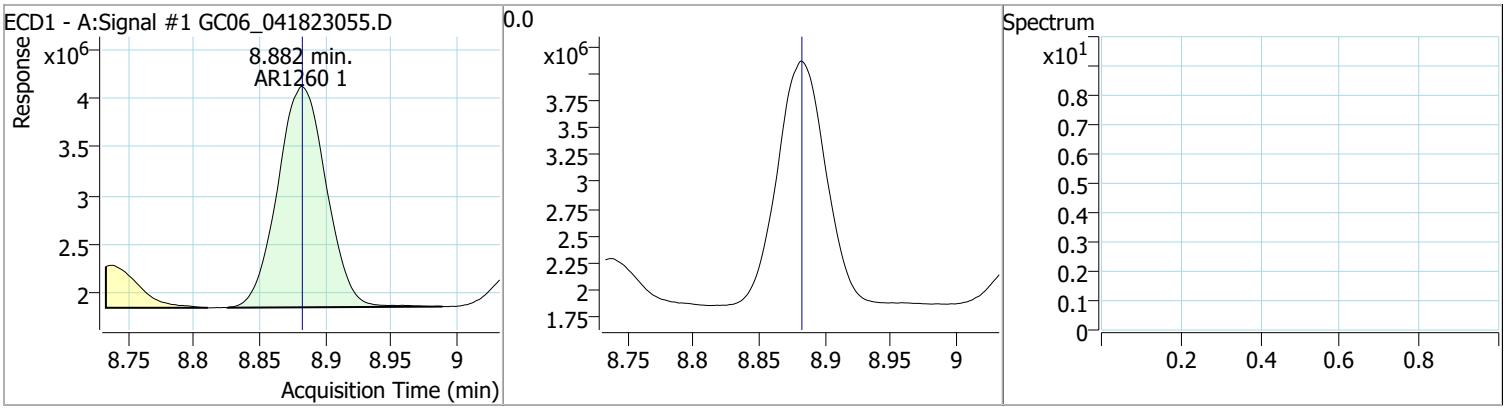
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	523.9532	7.15	0.00	12230397				



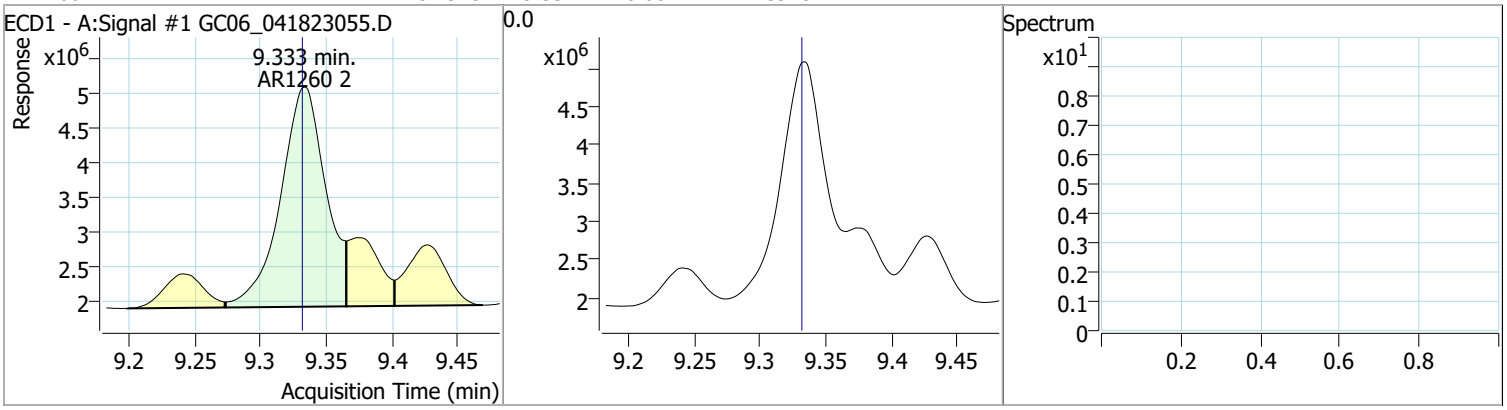
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	535.5783	7.87	0.00	10294770				



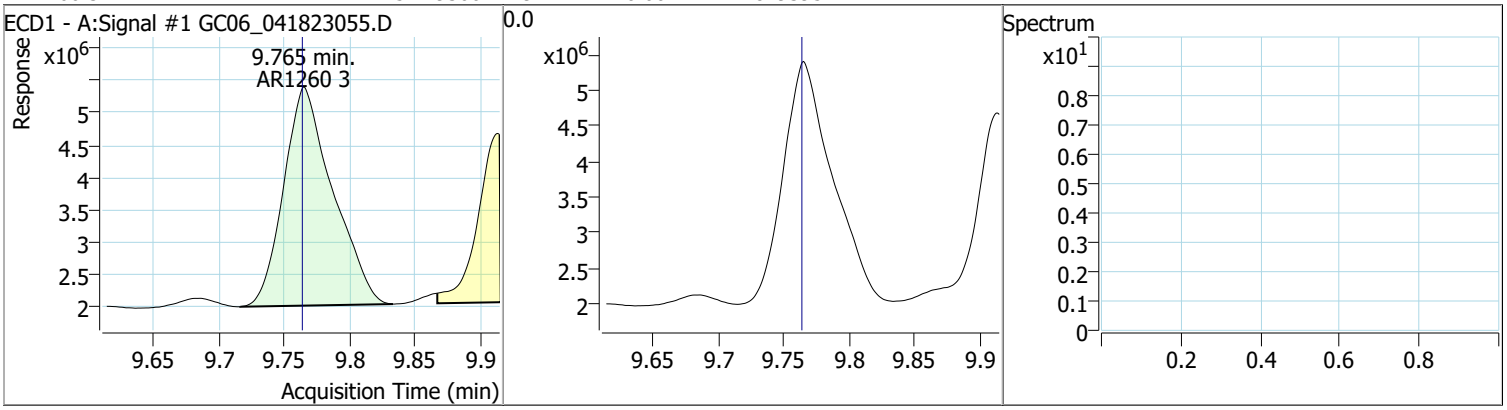
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	549.9198	8.88	0.00	5810289				



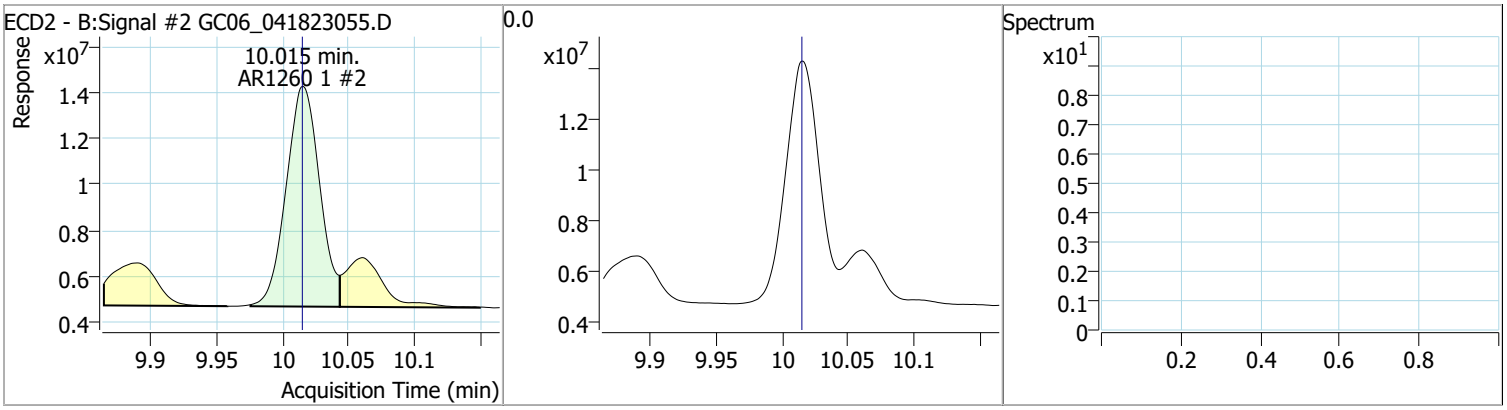
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	475.7925	9.33	0.00	7597844				



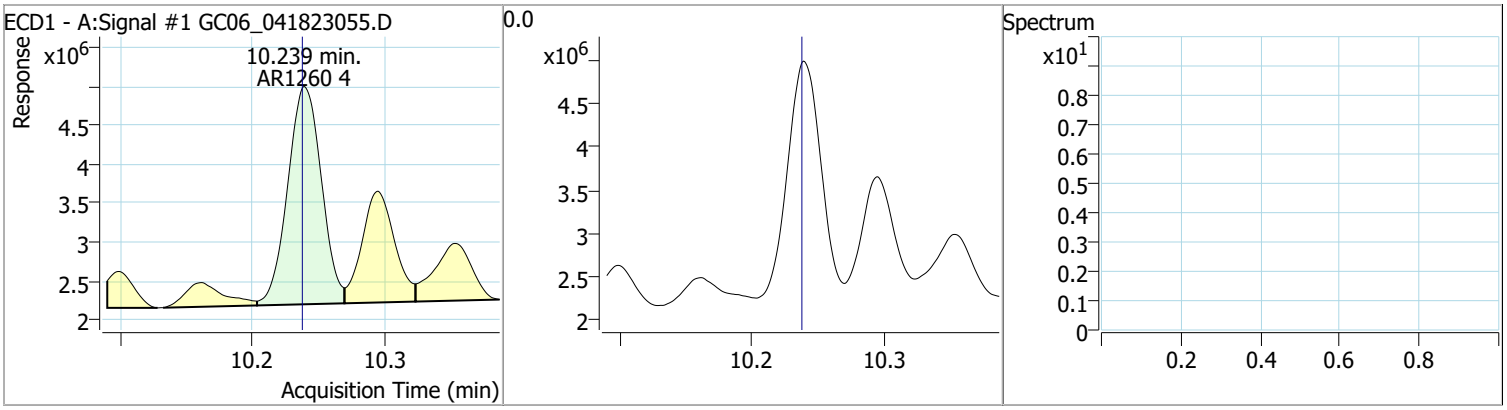
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	547.9300	9.77	0.00	8793957				



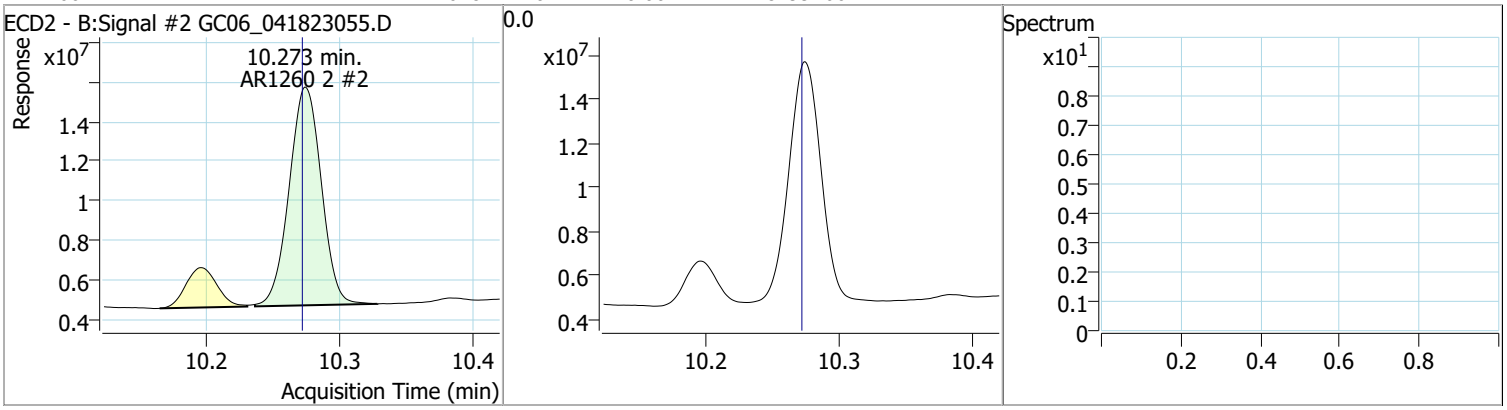
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	504.1529	10.02	0.00	16968919				



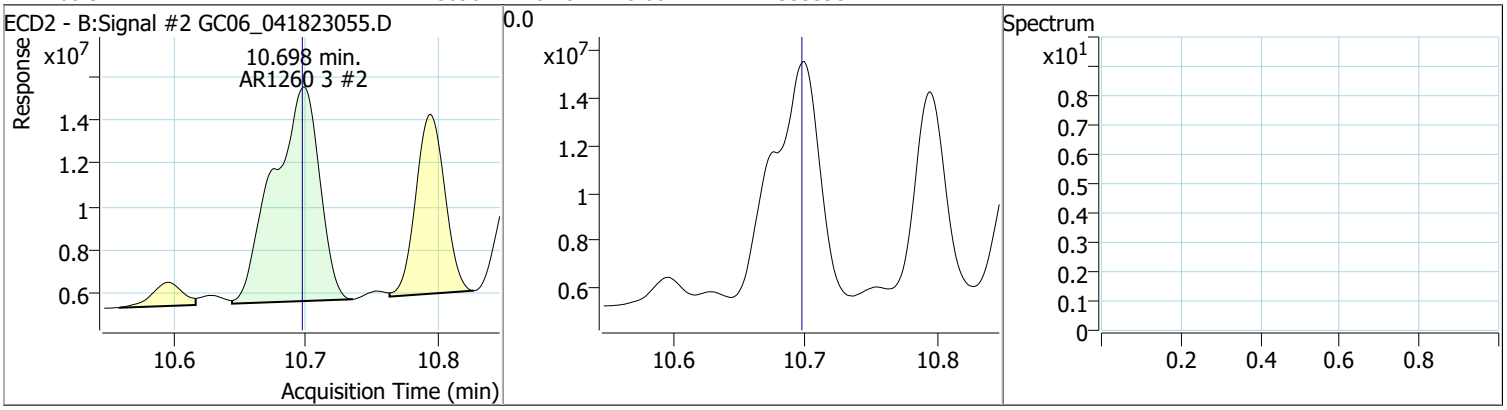
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	504.8078	10.24	0.00	5014345				



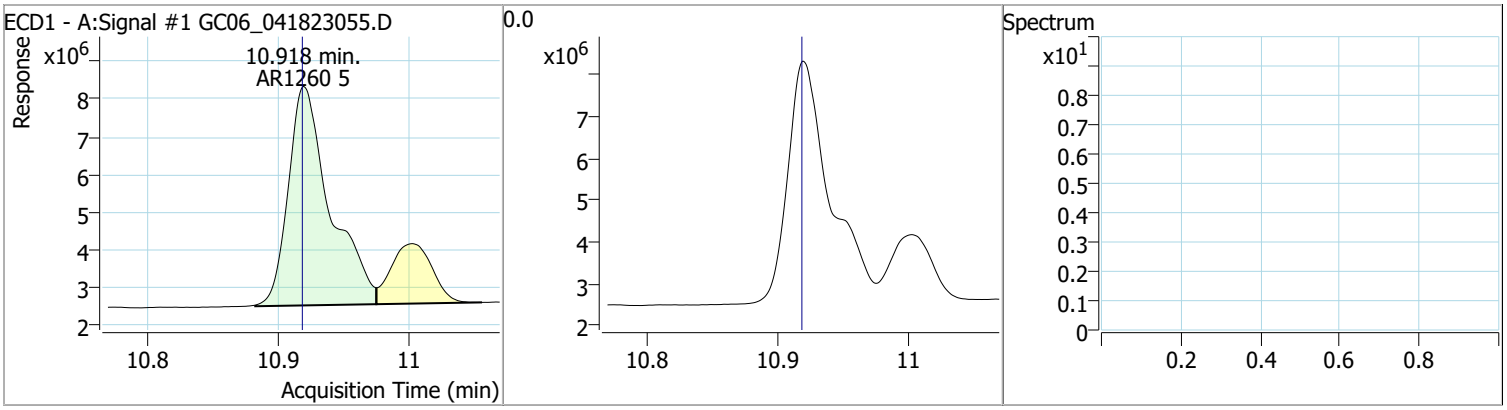
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	444.2618	10.27	0.00	18499266				



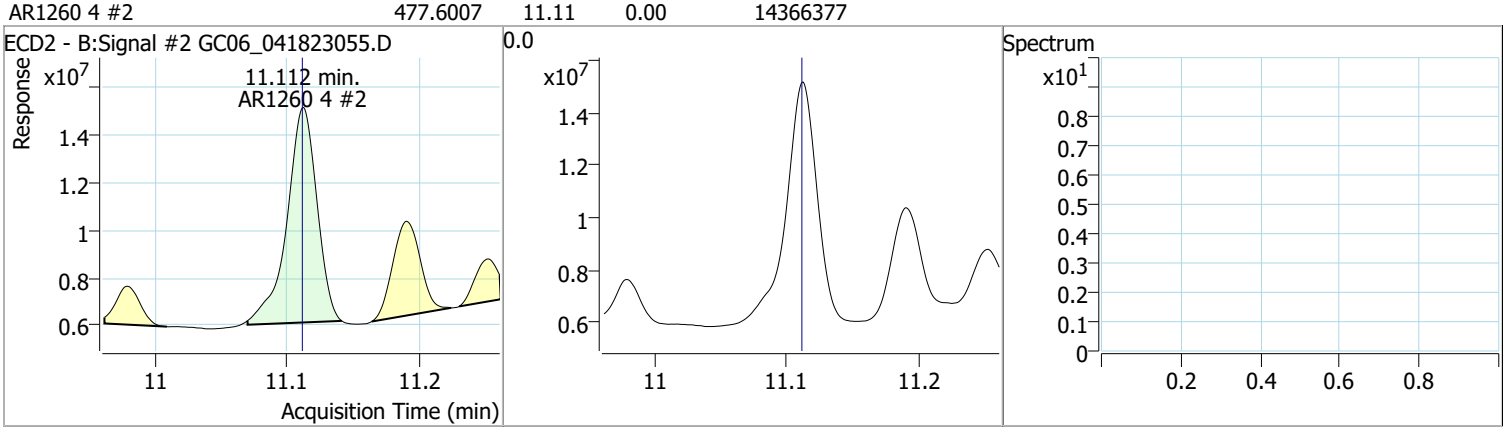
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	474.5890	10.70	0.00	24333395				



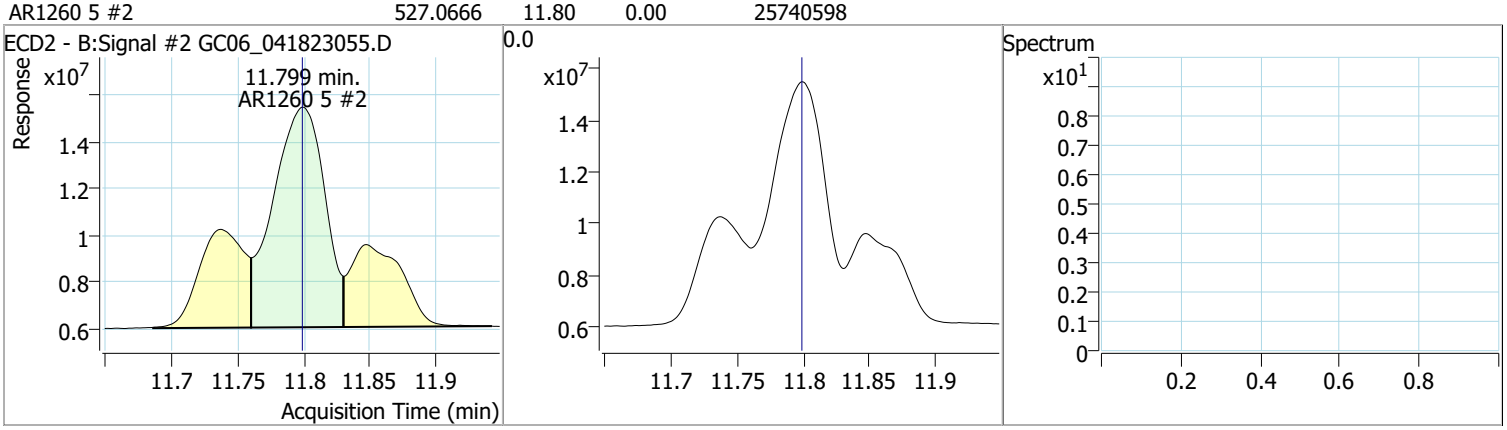
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	602.6367	10.92	0.00	12923953				



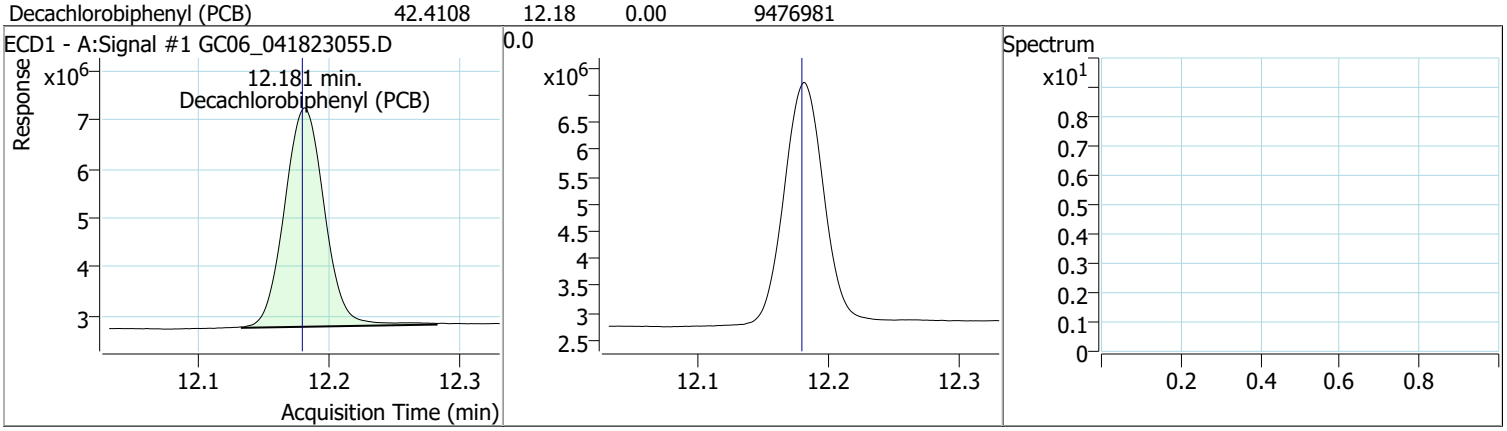
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	477.6007	11.11	0.00	14366377				



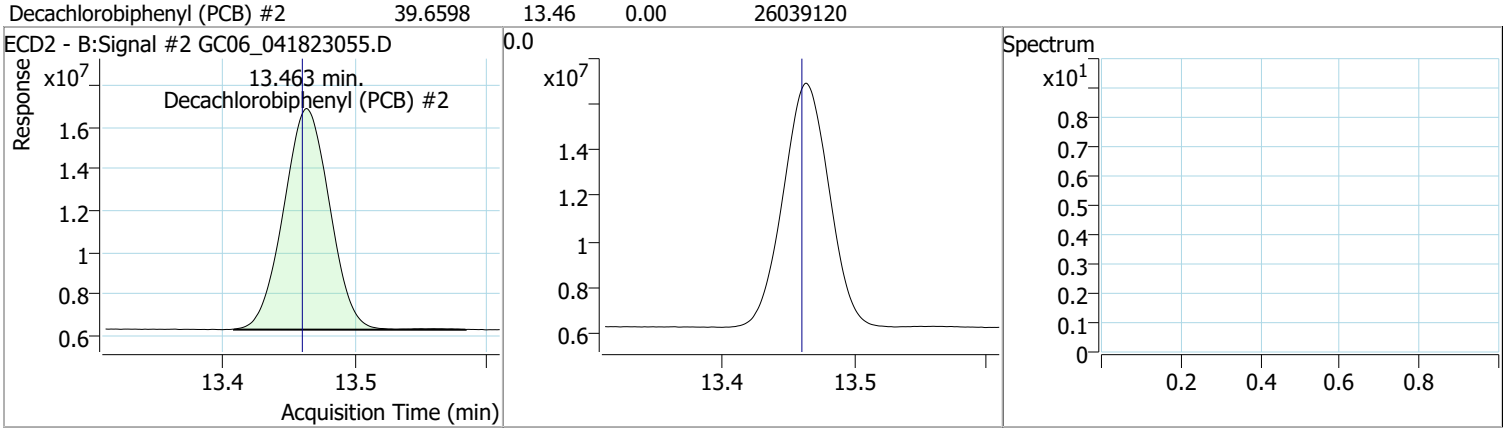
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	527.0666	11.80	0.00	25740598				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.4108	12.18	0.00	9476981				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6598	13.46	0.00	26039120				



ENTHALPY CONTINUING CALIBRATION FOR 483449 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453164853004	File:	gc06_042423004	Time:	24-APR-2023 12:10
Cal:	453140432001	Caldate:	07-APR-2023		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	491.7	ug/L	-2	15	0.0000	
Aroclor-1260	A			500.0	466.4	ug/L	-7	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.4874	40.00	42.21	ug/L	6	15	0.0000	
TCMX (PCB)	A	1.0215	0.9605	40.00	37.61	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	474.4	ug/L	-5	15	0.0000	
Aroclor-1260	B			500.0	488.5	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.1454	40.00	41.16	ug/L	3	15	0.0000	
TCMX (PCB)	B	0.9904	0.9174	40.00	37.05	ug/L	-7	15	0.0000	

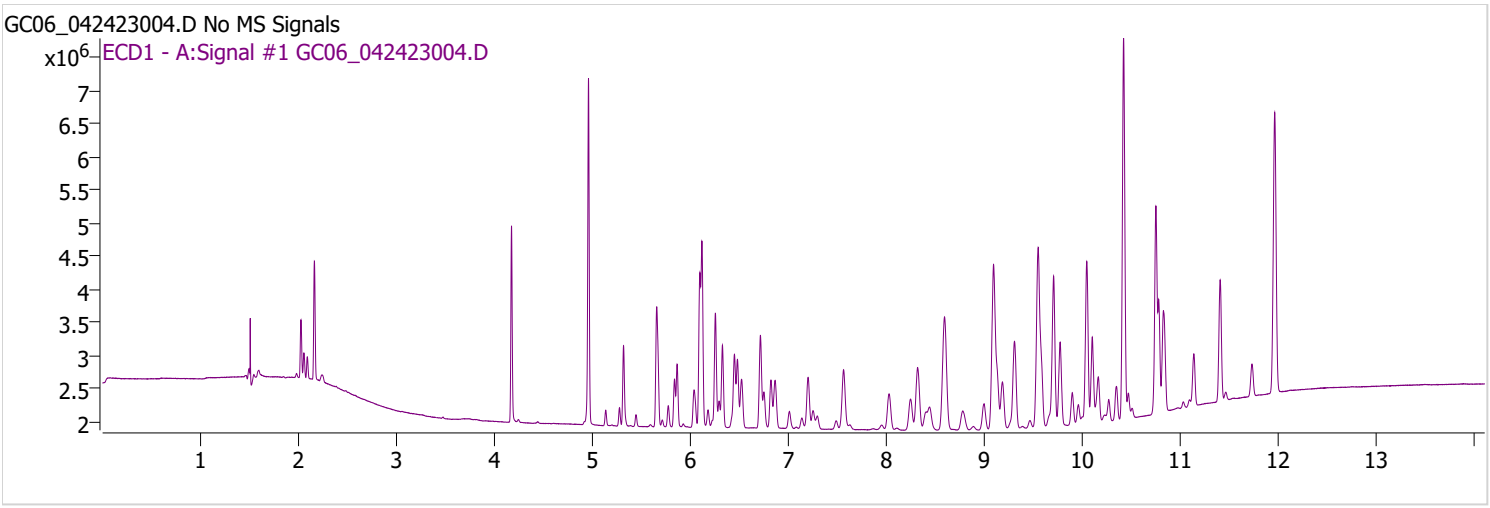
ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	9620389	17.89
1-bromo-2-nitrobenzene (PCB)	A	2292783	2881173	25.66

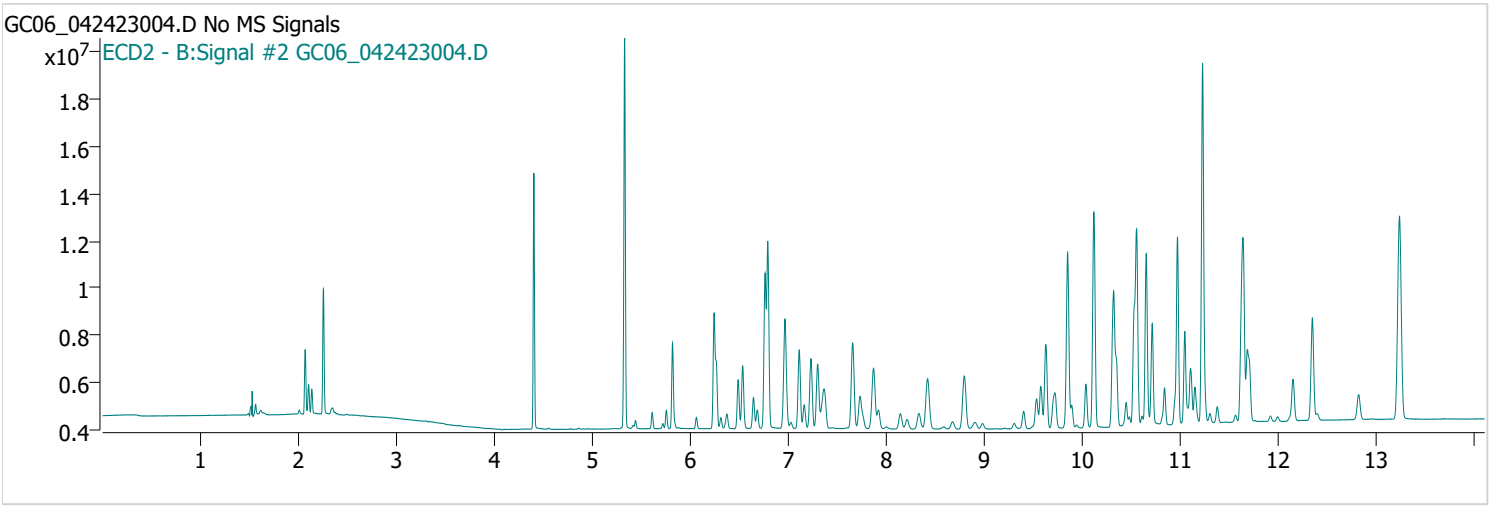
TRN 04/24/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

Analyst: TRN 04/24/23 **Reviewer:** MTS 04/25/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_042423004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/24/2023 12:10:16 PM
Sample Name	CCV, S18318	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_12.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	042423PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



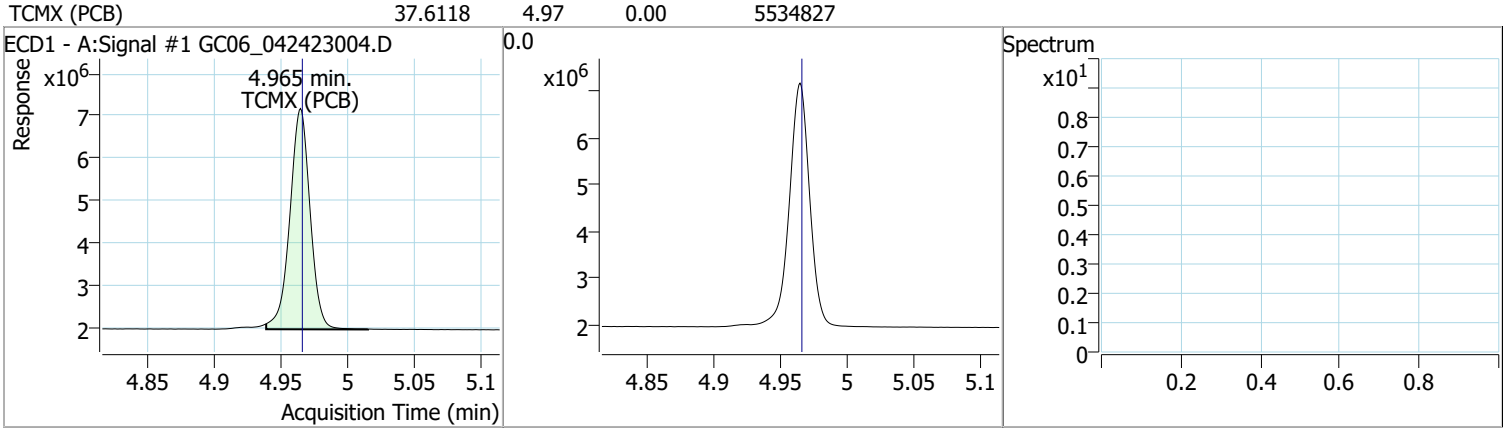


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.178	0.0	2881172.938	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.407	0.0	9620389.235	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.965	0.0	5534826.854	37.6118	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.06%		*	
S TCMX (PCB) #2	5.334	0.0	17651062.327	37.0523	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.26%		*	
S Decachlorobiphenyl (PCB)	11.976	0.0	8570952.578	42.2150	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.08%		*	
S Decachlorobiphenyl (PCB) #2	13.251	0.0	22038989.749	41.1632	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.82%		*	
Target Compounds							QValue

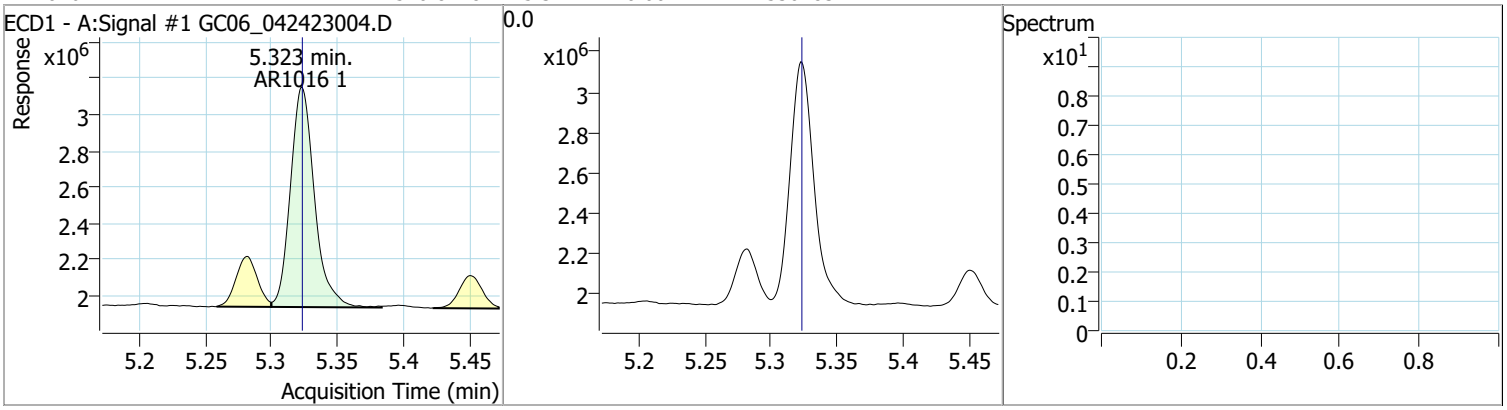
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.323	0.0	1530783.125	510.8478	ng/ml		100
T AR1016 2	5.662	0.0	3075771.482	478.4116	ng/ml		100
T AR1016 1 #2	5.823	0.0	4610154.009	466.2074	ng/ml		100
T AR1016 3	6.123	0.0	3903288.002	488.0493	ng/ml	m	100
T AR1016 2 #2	6.248	0.0	9931053.028	476.2289	ng/ml		100
T AR1016 4	6.261	0.0	2532941.829	430.7446	ng/ml		100
T AR1016 5	6.456	0.0	1898707.281	550.5344	ng/ml		100
T AR1016 3 #2	6.797	0.0	12519870.788	473.1717	ng/ml		100
T AR1016 4 #2	6.973	0.0	9041929.966	475.0147	ng/ml		100
T AR1016 5 #2	7.663	0.0	7542675.521	481.2001	ng/ml		100
T AR1260 1	8.603	0.0	4903250.440	510.7607	ng/ml		100
T AR1260 2	9.103	0.0	7394868.310	509.6705	ng/ml		100
T AR1260 3	9.559	0.0	7742575.762	530.9554	ng/ml		100
T AR1260 1 #2	9.859	0.0	13544915.472	493.4900	ng/ml		100
T AR1260 4	10.056	0.0	4564900.049	505.7954	ng/ml		100
T AR1260 2 #2	10.128	0.0	16159899.989	475.9015	ng/ml		100
T AR1260 3 #2	10.564	0.0	20378368.274	487.3919	ng/ml		100
T AR1260 5	10.762	0.0	5358708.346	275.0123	ng/ml		100
T AR1260 4 #2	10.982	0.0	12577531.736	512.7516	ng/ml		100
T AR1260 5 #2	11.651	0.0	18832135.223	472.8685	ng/ml		100

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

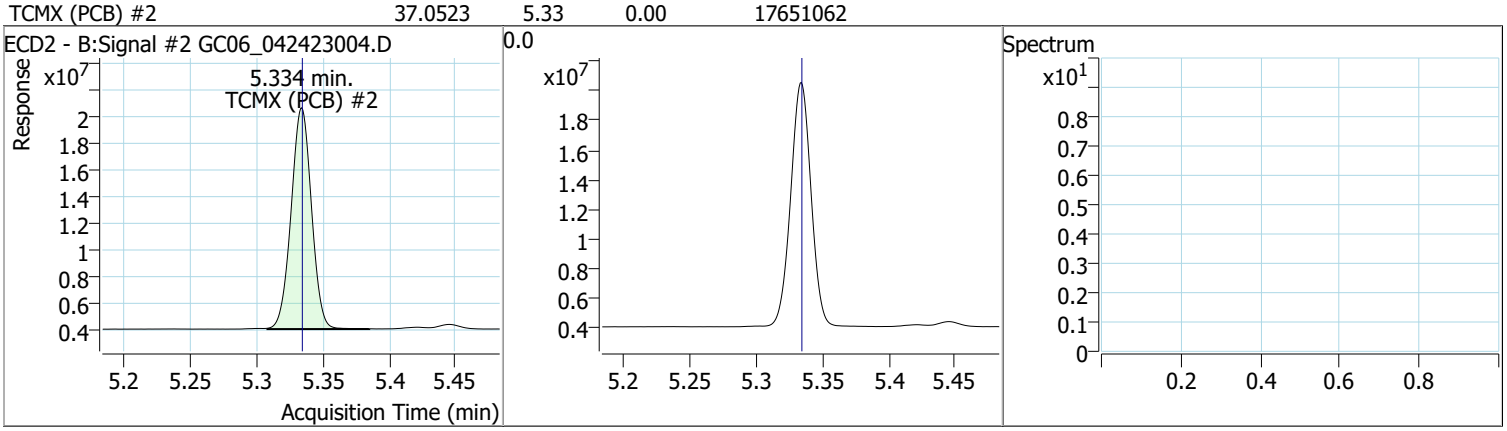
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.6118	4.97	0.00	5534827				



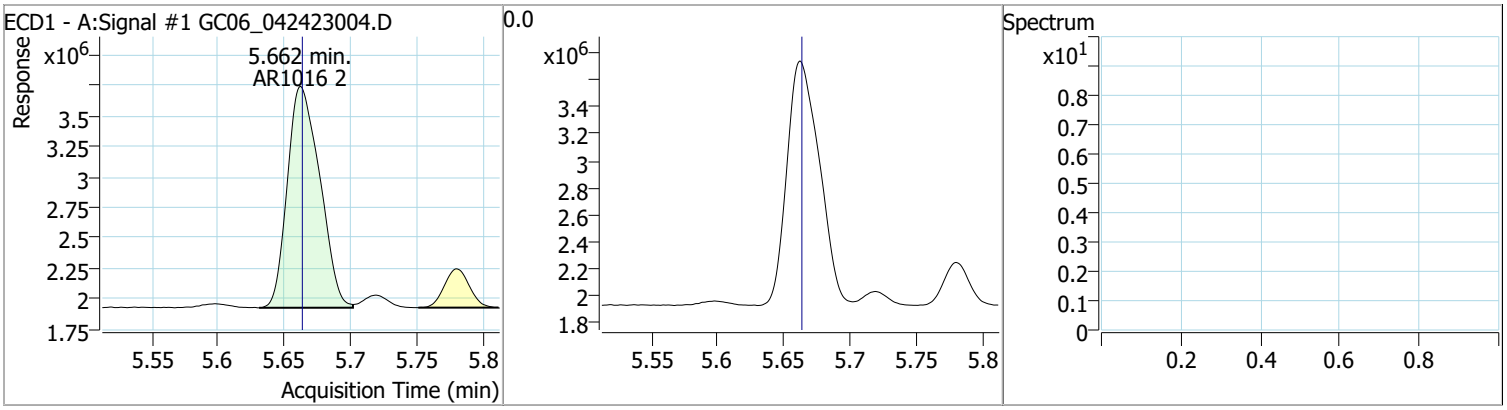
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	510.8478	5.32	0.00	1530783				



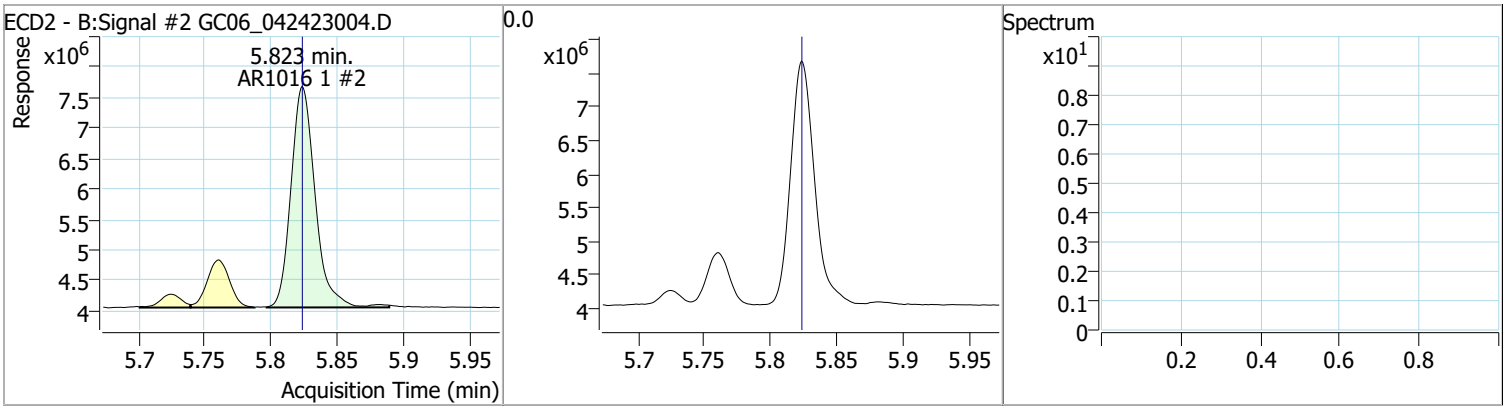
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.0523	5.33	0.00	17651062				



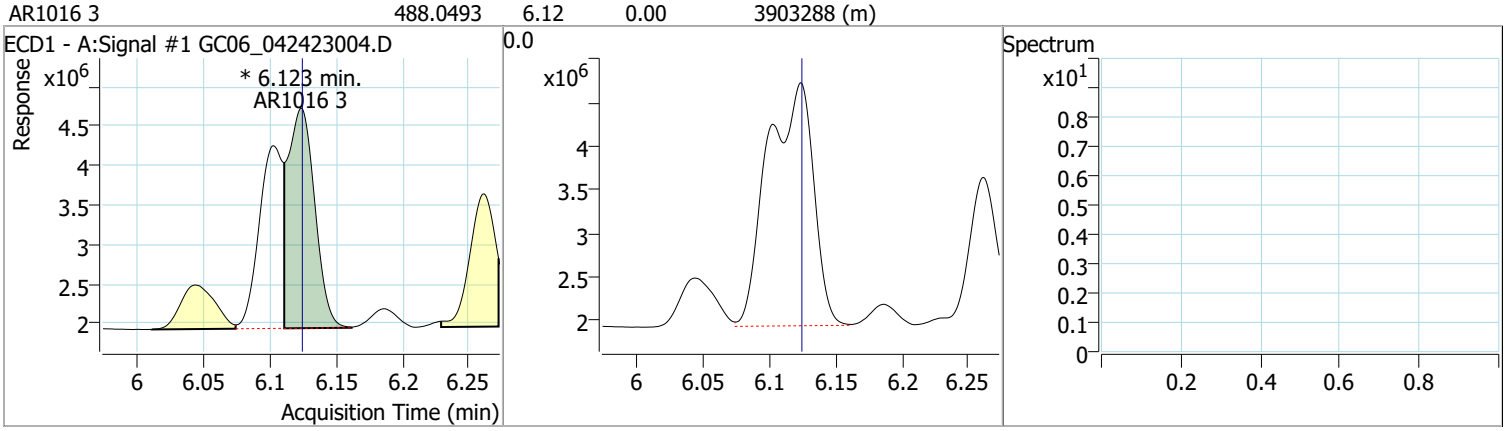
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	478.4116	5.66	0.00	3075771				



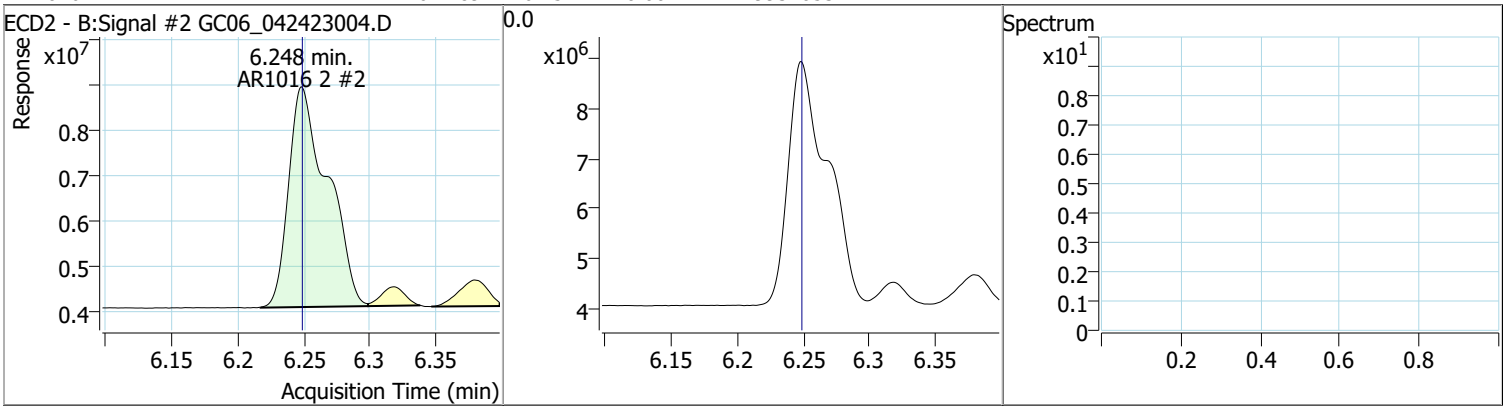
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	466.2074	5.82	0.00	4610154				



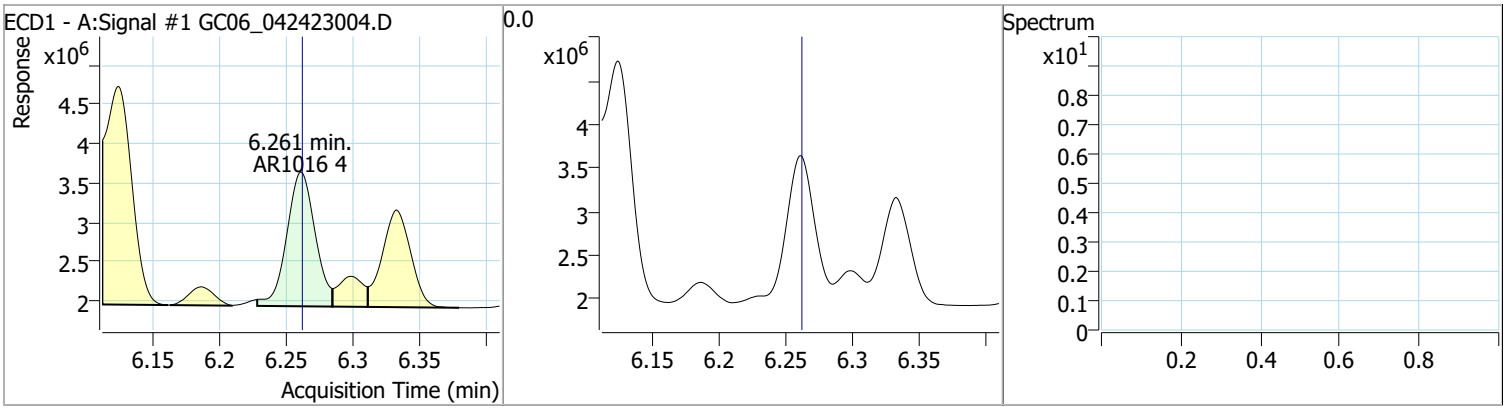
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	488.0493	6.12	0.00	3903288 (m)				



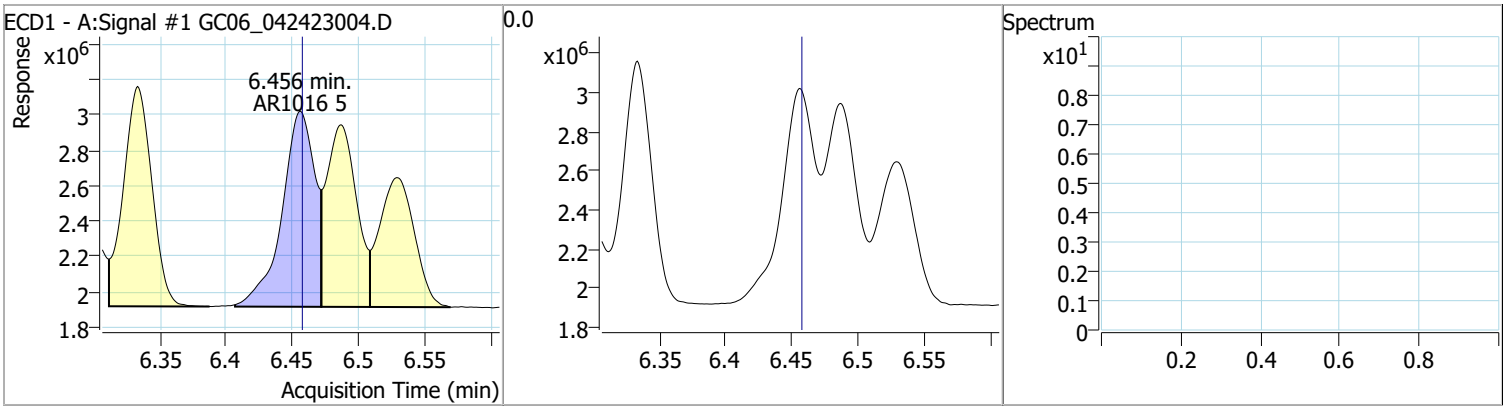
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	476.2289	6.25	0.00	9931053				



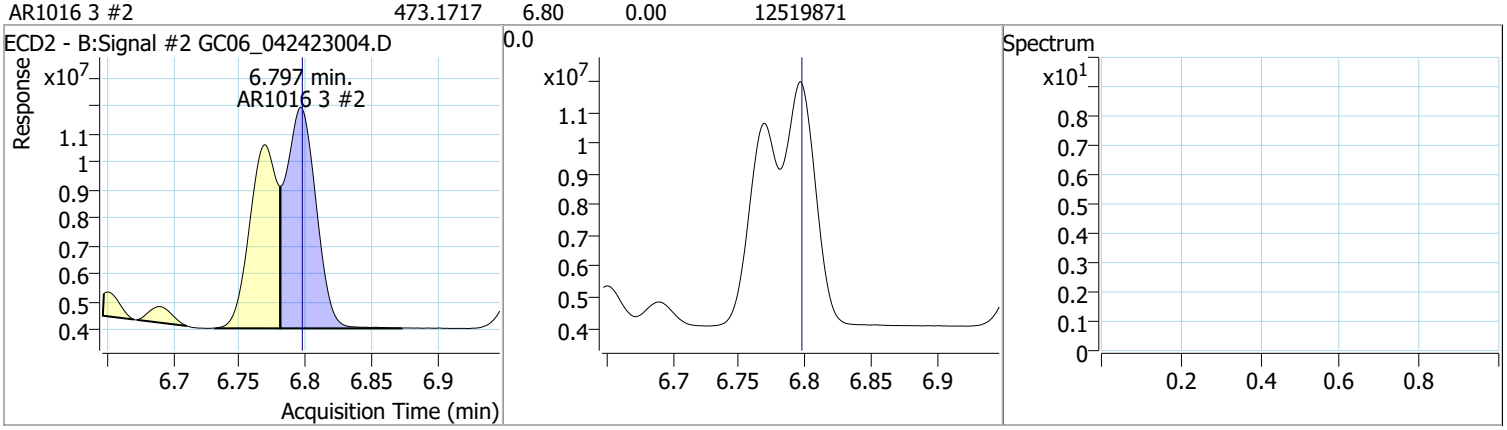
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	430.7446	6.26	0.00	2532942				



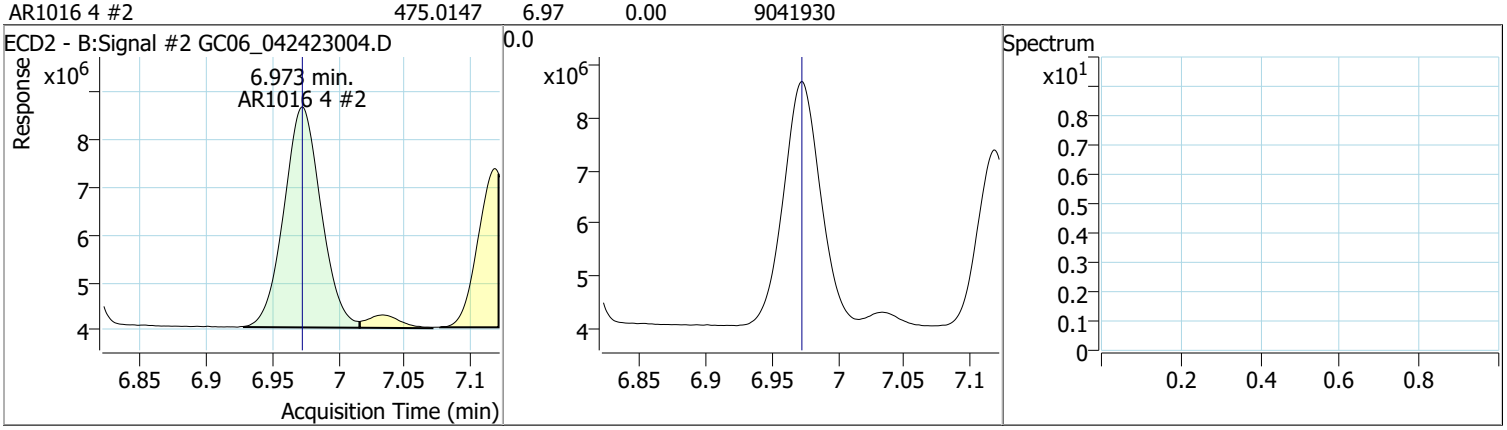
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	550.5344	6.46	0.00	1898707				



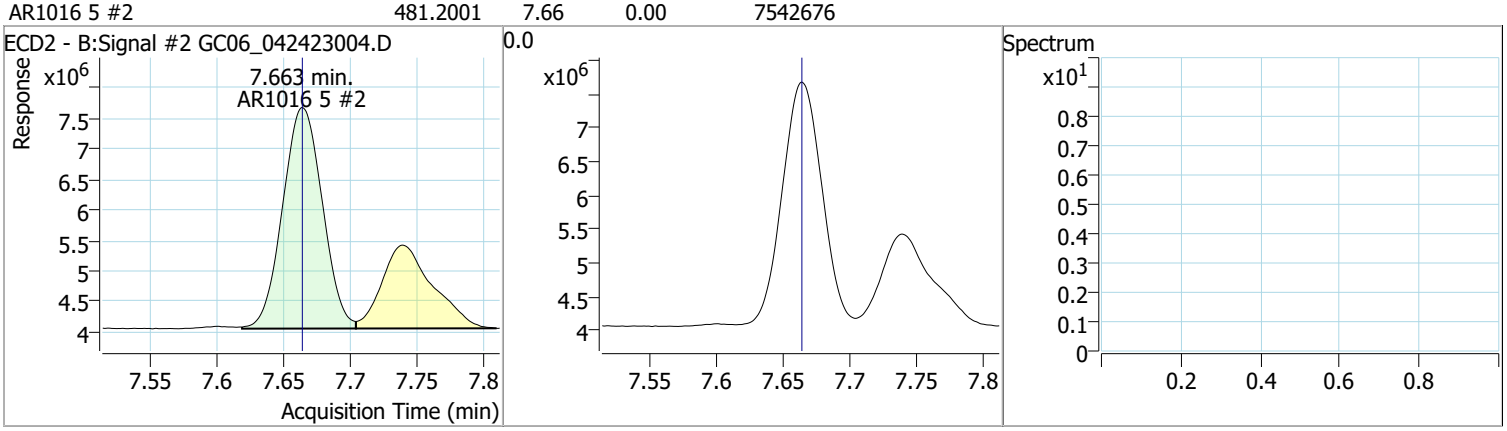
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AR1016 3 #2	473.1717	6.80	0.00	12519871				



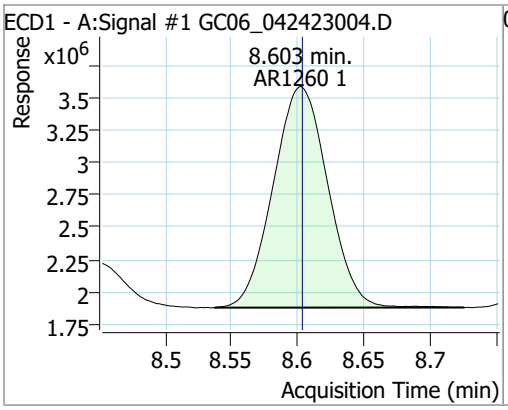
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	475.0147	6.97	0.00	9041930				

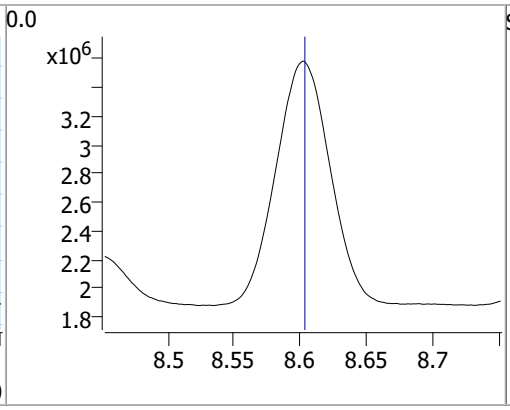


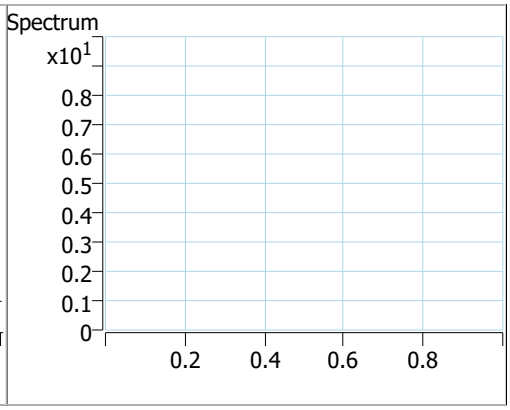
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	481.2001	7.66	0.00	7542676				



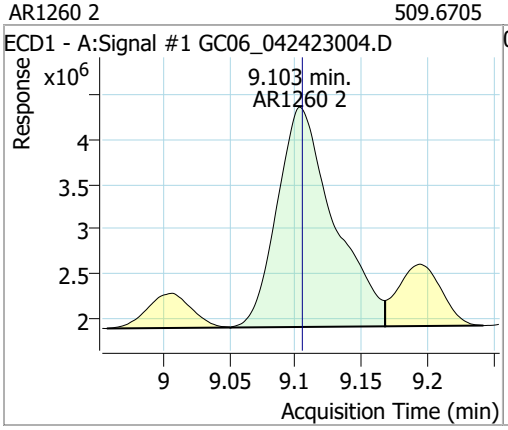
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	510.7607	8.60	0.00	4903250				

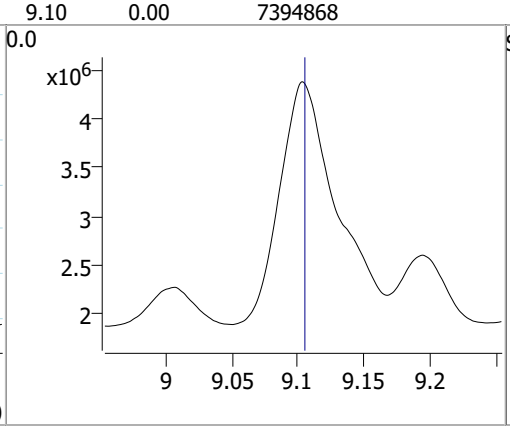


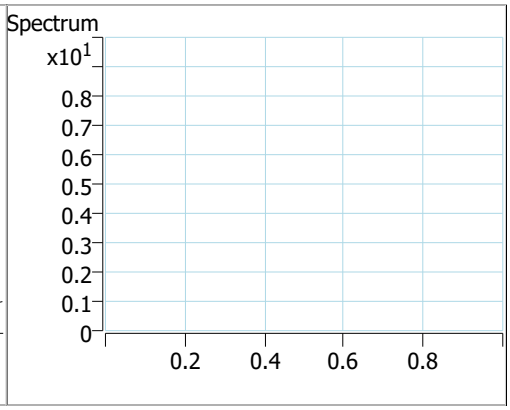




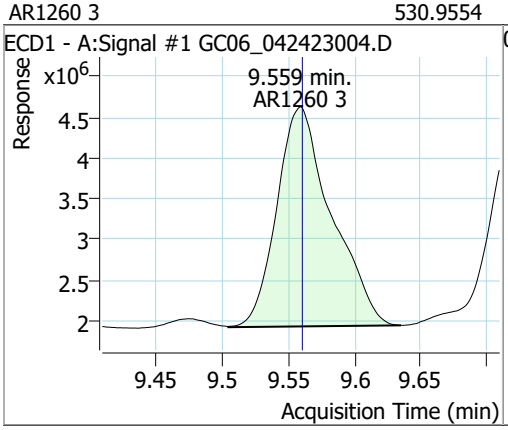
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	509.6705	9.10	0.00	7394868				

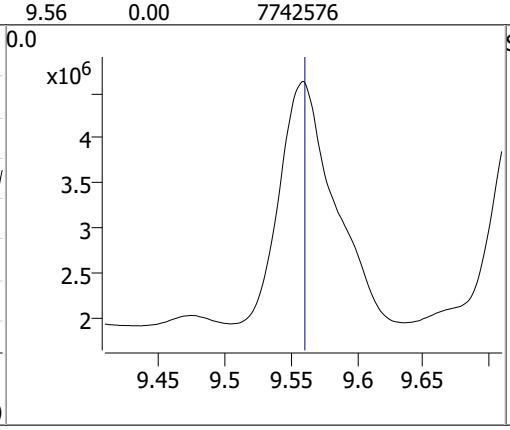


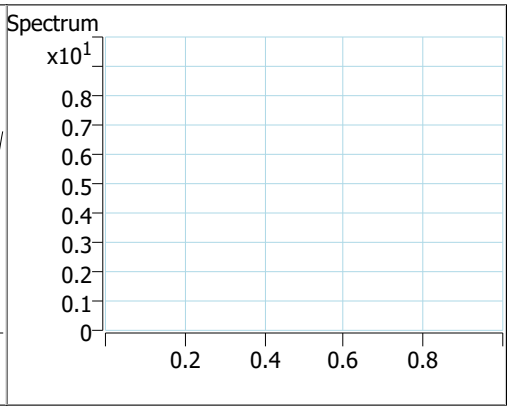




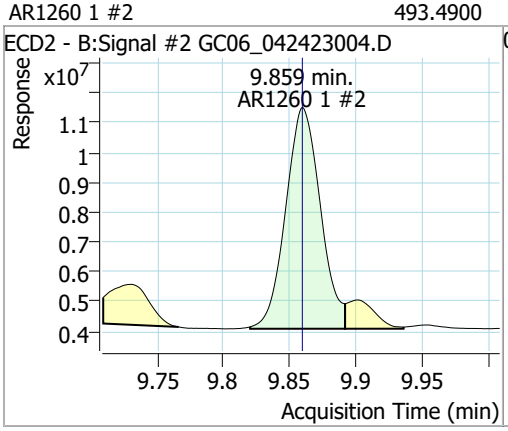
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	530.9554	9.56	0.00	7742576				

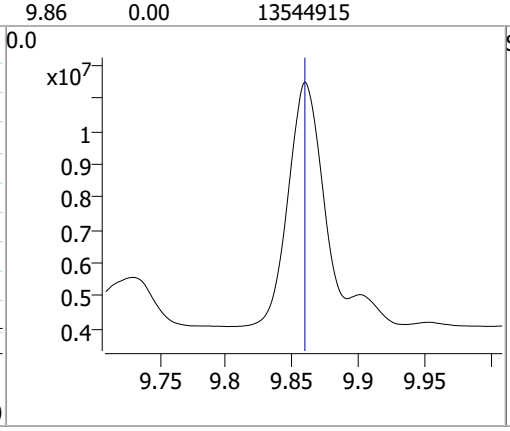


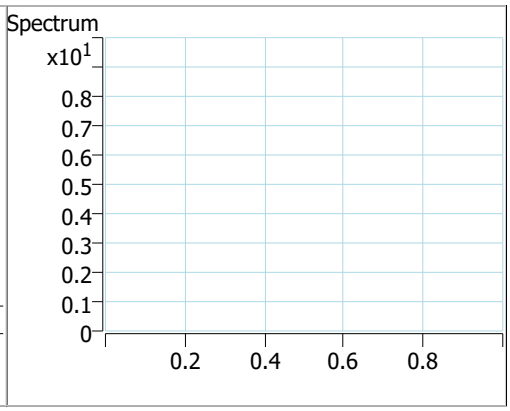




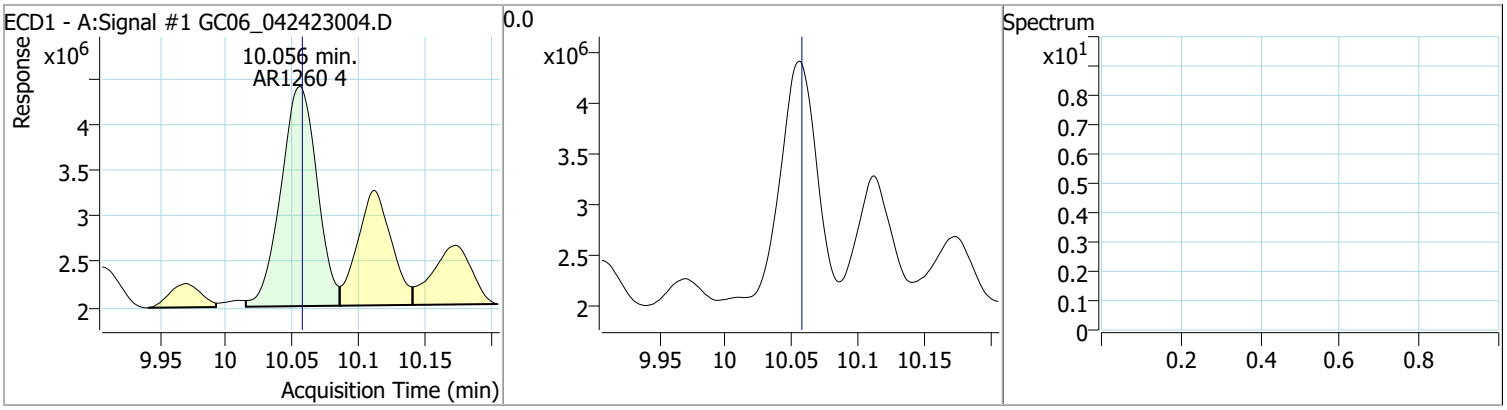
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	493.4900	9.86	0.00	13544915				



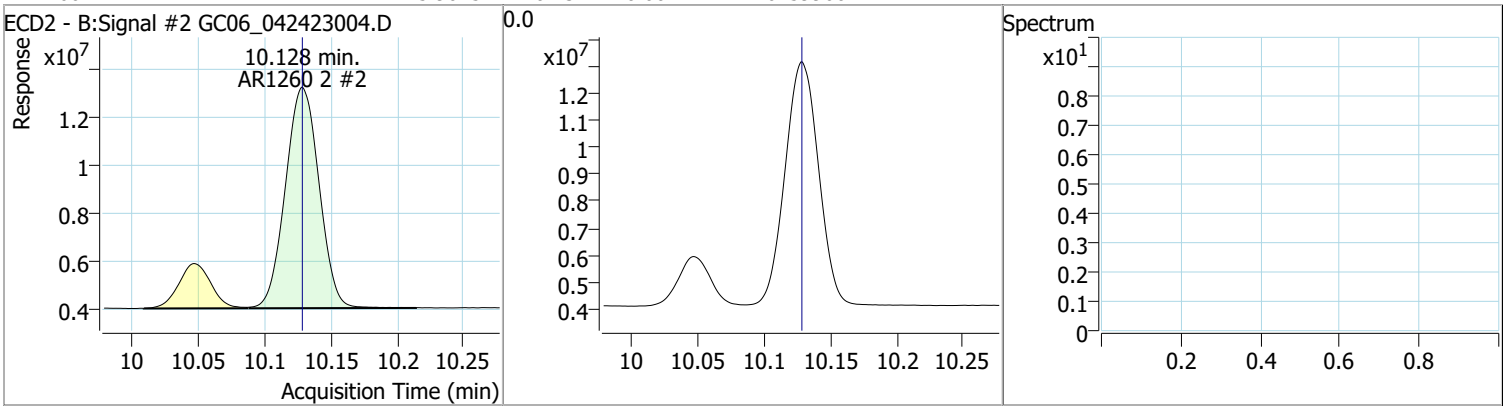




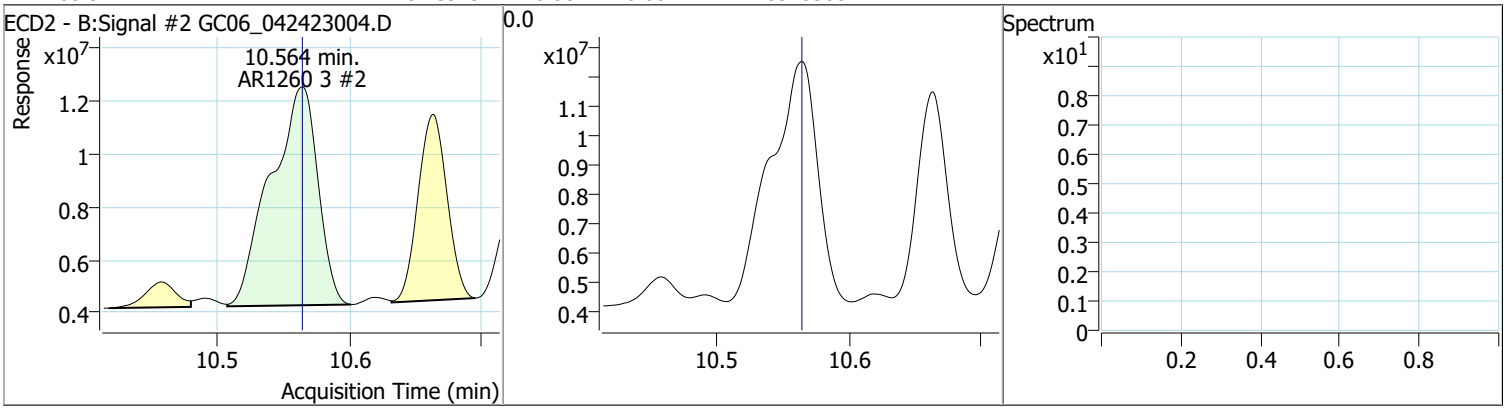
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	505.7954	10.06	0.00	4564900				



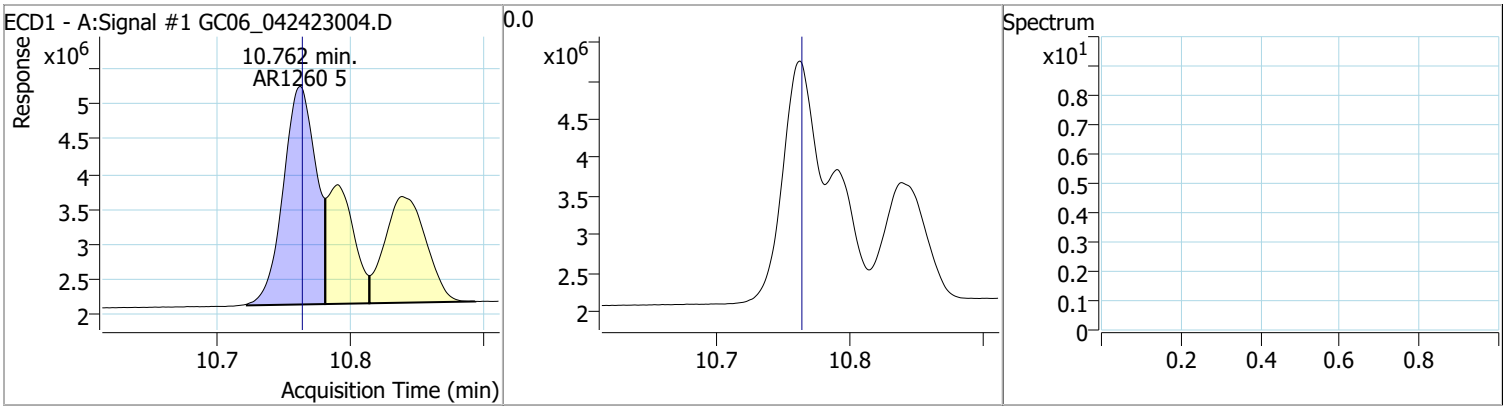
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	475.9015	10.13	0.00	16159900				



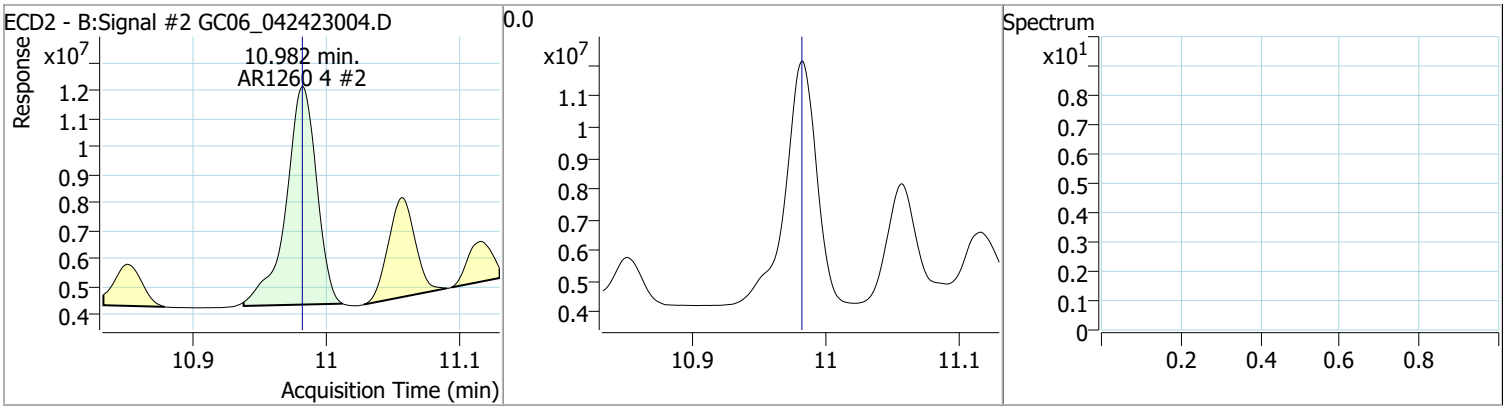
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	487.3919	10.56	0.00	20378368				



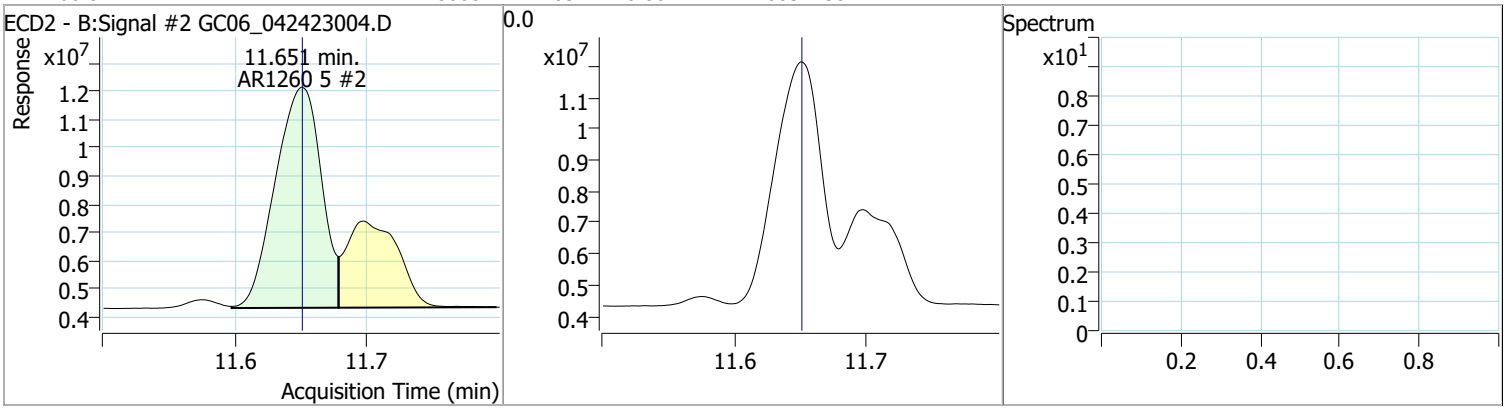
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	275.0123	10.76	0.00	5358708				



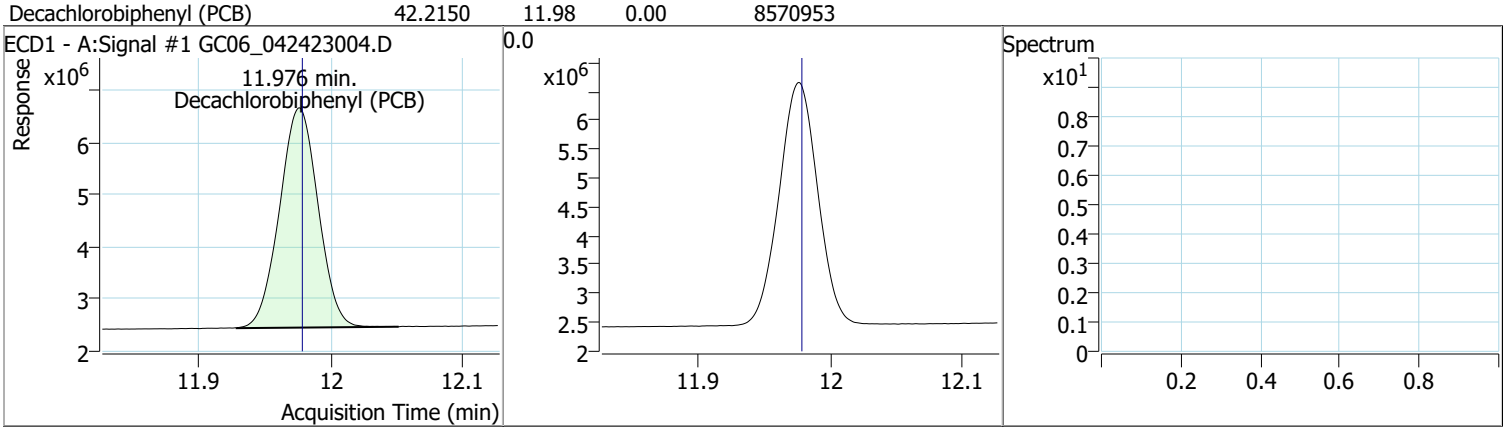
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	512.7516	10.98	0.00	12577532				



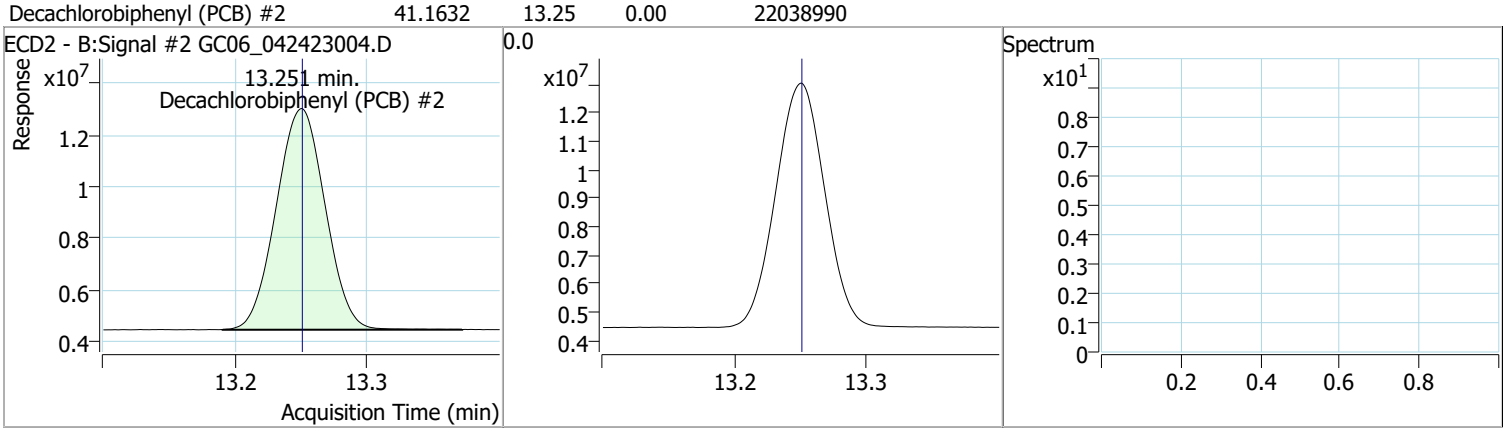
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	472.8685	11.65	0.00	18832135				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.2150	11.98	0.00	8570953				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.1632	13.25	0.00	22038990				



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

enthalpy.com

Lab Job Number: 483449
Report Level: IV
Report Date: 04/25/2023

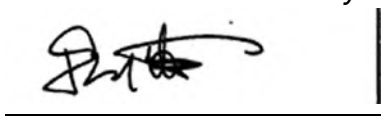
Metals

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 #:	483449
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-L-LA	483449-002	04/14/23 09:55	Wipe
AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB	483449-004	04/14/23 09:45	Wipe
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF	483449-006	04/14/23 09:30	Wipe
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF	483449-007	04/14/23 09:30	Wipe
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-WF	483449-009	04/14/23 09:10	Wipe
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-DUP-WF	483449-010	04/14/23 09:10	Wipe
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA	483449-013	04/14/23 10:20	Wipe
AFRAME-C4E-MED-L3-INT-0 TO 1-230414-L-WF	483449-015	04/14/23 10:10	Wipe
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-L-LA	483449-018	04/14/23 09:30	Wipe
AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-L-LA	483449-020	04/14/23 10:50	Wipe
AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF	483449-022	04/14/23 09:50	Wipe
AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA	483449-024	04/14/23 10:40	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job Number: 483449
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 04/17/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 04/18/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

483449

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (PB)	custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA	4/14/2023	0955	WP	1	--	X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)
2	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-L-LA	4/14/2023	0955	WP	1	--		X		
3	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB	4/14/2023	~~ER~~ 0945	WP	1	--	X			
4	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB	4/14/2023	0945	WP	1	--		X		
5	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF	4/14/2023	0930	WP	1	--	X			
6	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF	4/14/2023	0930	WP	1	--		X		
7	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF	4/14/2023	0930	WP	1	--		X		
8	AFRAME-C3E-MED-L3-EXT-1 TO 2-230414-P-WF	4/14/2023	0910	WP	1	--	X			
9	AFRAME-C3E-MED-L3-EXT-1 TO 2-230414-L-WF	4/14/2023	0910	WP	1	--		X		
10	AFRAME-C3E-MED-L3-EXT-1 TO 2-230414-L-DUP-WF	4/14/2023	0910	WP	1	--		X		
11	AFRAME-C5E-LAT-L3-DN-C5.6-DG-230414-P-LA	4/14/2023	1020	WP	1	--	X			
12	AFRAME-C5E-LAT-L3-DN-C5.6-DG-230414-P-DUP-LA	4/14/2023	1020	WP	1	--	X			
13	AFRAME-C5E-LAT-L3-DN-C5.6-DG-230414-L-LA	4/14/2023	1020	WP	1	--		X		
14	AFRAME-C4E-MED-L3-EXT-0 TO 1-230414-P-WF	4/14/2023	1010	WP	1	--	X			
15	AFRAME-C4E-MED-L3-EXT-0 TO 1-230414-L-WP	4/14/2023	1010	WP	1	--		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	4/17/23 1400
1 Received By:		AUDREY HUDSON	ENTHALPY	4/17/23 1400
2 Relinquished By:		"	"	4/17/23 1708
2 Received By:				4/17/23 1705
3 Relinquished By:			FEA	4/17/23 1834
3 Received By:				4/18/23 0940

4-83449

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	~~AFRAME-C4E-MED-L2-HS-1-230414-P~~	~~4/14/2023~~		WP	1	--	X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
17	~~AFRAME-C4E-MED-L2-HS-T-230414-L~~	~~4/14/2023~~		WP	1	--		X		Report PCB concentrations on a µg/100cm2 basis
18	AFRAME-C3E-LAT-L3-DN-C3E-DG-230414-P-LA	4/14/2023	0930	WP	1	--	X			Report lead concentrations on a µg/ft2 basis
19	AFRAME-C3E-LAT-L3-DN-C3E-DG-230414-P-DUP-LA	4/14/2023	0930	WP	1	--	X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
20	AFRAME-C3E-LAT-L3-DN-C3E-DG-230414-L-LA	4/14/2023	0930	WP	1	--		X		Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)
21	AFRAME-C3E-MED-L3-DN-C3.3-DG-230414-P-LA	4/14/2023	1050	WP	1	--	X			
22	AFRAME-C3E-MED-L3-DN-C3.3-DG-230414-L-LA	4/14/2023	1050	WP	1	--		X		
23	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF	4/14/2023	0950	WP	1	--	X			
24	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF	4/14/2023	0950	WP	1	--		X		
25	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA	4/14/23	1040	WP	1	--	X			
26		—	MK	—	—	—				
27	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA	4/14/23	1040	WP	1	—		X		
28		—	—	—	—	—				
29										
30										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	J Simnott	Tyler Simnott	Rincon / Envi. Scientist	4/17/23 / 17:00
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/23 / 17:00
2 Relinquished By:	Audrey Hudson	"	"	4/17/23 17:08
2 Received By:		Marcus Li Yip	BA	4/17/23 1708
3 Relinquished By:		Lindsay	EA	4/17/23 1814
3 Received By:				

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

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 483449 Client: Rincon

Date Received: 4-17 Project: _____

Section 2: Shipping info (if applicable) _____

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

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

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

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

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

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

If in cooler: Date Opened 4/17 By (print) JH (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 1.0, #2: 1.5, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 4/17/23 **By (print)** VEF for MP **(sign)** _____

Date Labeled 4/17/23 **By (print)** VEF **(sign)** _____

Enthalpy Analytical - Berkeley Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 4/18/2023 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.1 #2: - #3: - #4: -

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

Shipping Information: Southwest Airlines

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

(483449)

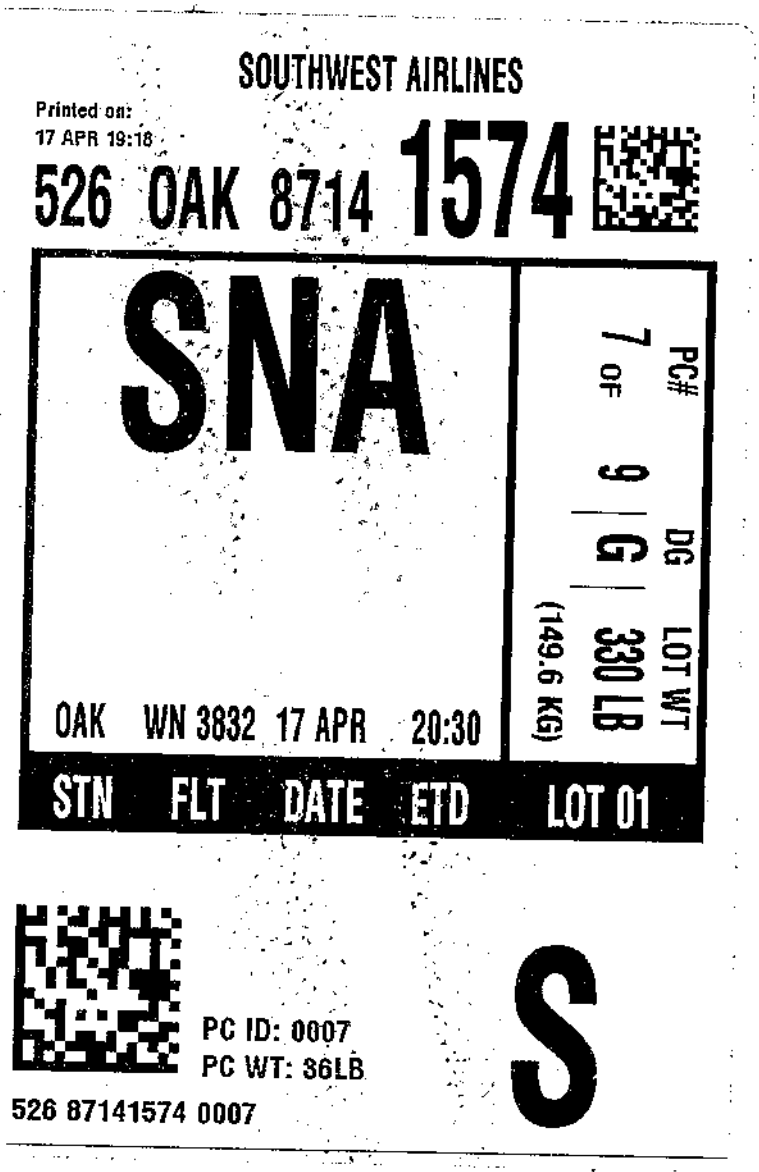
Section 6

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: _____


SOUTHWEST AIRLINES
Printed on:
17 APR 19:18
526 OAK 8714 1574
SNA
PC# 7 OF 9
DG G
LOT WT 330 LB (149.6 KG)
OAK WN 3832 17 APR 20:30
STN FLT DATE ETD LOT 01
PC ID: 0007
PC WT: 36LB
526 87141574 0007
S

2.6 / 5.1

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-L-LA **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-002 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483449-002 Analyte	Result	RL	Units
Lead	**63**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-004 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483449-004 Analyte	Result	RL	Units
Lead	**32**	0.25	ug/ft2

Field ID: AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-006 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483449-006 Analyte	Result	RL	Units
Lead	**160**	0.25	ug/ft2

Field ID: AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-007 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483449-007 Analyte	Result	RL	Units
Lead	**170**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-WF **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-009 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483449-009 Analyte	Result	RL	Units
Lead	**67**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-DUP-WF **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-010 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-010 Analyte	Result	RL	Units
Lead	**77**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-013 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-013 Analyte	Result	RL	Units
Lead	**120**	0.25	ug/ft2

Field ID: AFRAME-C4E-MED-L3-INT-0 TO 1-230414-L-WF **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-015 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-015 Analyte	Result	RL	Units
Lead	**97**	0.25	ug/ft2

Field ID: AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-L-LA **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-018 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-018 Analyte	Result	RL	Units
Lead	**69**	0.25	ug/ft2

Field ID: AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-L-LA **Batch#:** 311981 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483449-020 **Received:** 04/17/23 **Analyst:** THP
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-020 Analyte	Result	RL	Units
Lead	**170**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483449 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF **Batch#:** 311981 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B

Lab ID: 483449-022 **Received:** 04/17/23 **Analyst:** THP

Matrix: Wipe **Prepared:** 04/18/23

Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-022 Analyte	Result	RL	Units
Lead	**170**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA **Batch#:** 311981 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B

Lab ID: 483449-024 **Received:** 04/17/23 **Analyst:** THP

Matrix: Wipe **Prepared:** 04/18/23

Diln Fac: 1.000 **Analyzed:** 04/18/23

483449-024 Analyte	Result	RL	Units
Lead	**120**	0.25	ug/ft2

Type: BLANK **Batch#:** 311981 **Analysis:** EPA 6010B

Lab ID: QC1059304 **Prepared:** 04/18/23 **Analyst:** THP

Matrix: Wipe **Analyzed:** 04/18/23

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

QC1059304 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 483449 **Project#:** 20-10491

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

Type: BS **Batch#:** 311981 **Analysis:** EPA 6010B

Lab ID: QC1059305 **Prepared:** 04/18/23 **Analyst:** THP

Matrix: Wipe **Analyzed:** 04/18/23

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

QC1059305 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	58.02	116	80-120	ug/ft2

Type: BSD **Batch#:** 311981 **Analysis:** EPA 6010B

Lab ID: QC1059306 **Prepared:** 04/18/23 **Analyst:** THP

Matrix: Wipe **Analyzed:** 04/18/23

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

QC1059306 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.54	113	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 483449 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
483449-002	MET09	04/18/23 17:59	1.0	✓
483449-004	MET09	04/18/23 18:02	1.0	✓
483449-006	MET09	04/18/23 18:05	1.0	✓
483449-007	MET09	04/18/23 18:09	1.0	✓
483449-009	MET09	04/18/23 18:12	1.0	✓
483449-010	MET09	04/18/23 18:15	1.0	✓
483449-013	MET09	04/18/23 18:18	1.0	✓
483449-015	MET09	04/18/23 18:28	1.0	✓
483449-018	MET09	04/18/23 18:31	1.0	✓
483449-020	MET09	04/18/23 18:35	1.0	✓
483449-022	MET09	04/18/23 18:38	1.0	✓
483449-024	MET09	04/18/23 18:41	1.0	✓
QC1059304	MET09	04/18/23 17:49	1.0	✓
QC1059305	MET09	04/18/23 17:52	1.0	✓
QC1059306	MET09	04/18/23 17:56	1.0	✓

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				04/17/23 15:43	1.0		
002	icp data	ICAL	L1			04/17/23 15:46	1.0	1	
003	icp data	ICAL	L2			04/17/23 15:49	1.0	2	
004	icp data	ICAL	L3			04/17/23 15:52	1.0	3	
005	icp data	ICAL	L4			04/17/23 15:56	1.0	4	
006	icp data	ICAL	L5			04/17/23 15:59	1.0	5	
007	icp data	ICAL	L6			04/17/23 16:02	1.0	6	
008	icp data	ICAL	L7			04/17/23 16:05	1.0	7	
009	icp data	ICAL	L8			04/17/23 16:09	1.0	8	
010	icp data	ICV				04/17/23 16:12	1.0	9	
011	icp data	ICB				04/17/23 16:15	1.0		
012	icp data	CRI				04/17/23 16:18	1.0	10	
013	icp data	ICSA				04/17/23 16:22	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				04/17/23 16:25	1.0	12	6:MGASMGCO3=1500
015	icp data	MS	QC1058782	Water	311835	04/17/23 16:28	1.0	13	3:NA=1600
016	icp data	MSD	QC1058783	Water	311835	04/17/23 16:31	1.0	13	3:NA=1600
017	icp data	SAMPLE	483371-006	Water	311836	04/17/23 16:35	1.0	13	2:NA=2000
018	icp data	SAMPLE	483371-007	Water	311836	04/17/23 16:38	1.0	13	2:NA=2500
019	icp data	SAMPLE	483371-010	Water	311836	04/17/23 16:41	1.0	13	
020	icp data	SAMPLE	483371-011	Water	311836	04/17/23 16:44	1.0	13	2:NA=2500
021	icp data	SAMPLE	483371-012	Water	311836	04/17/23 16:48	1.0	13	
022	icp data	BLANK	QC1059066	Drinking Water	311914	04/17/23 16:51	1.0	13	
023	icp data	LCS	QC1059067	Drinking Water	311914	04/17/23 16:54	1.0	13	
024	icp data	SAMPLE	483368-001	Drinking Water	311914	04/17/23 16:57	1.0	13	
025	icp data	CCV				04/17/23 17:01	1.0	9	
026	icp data	CCB				04/17/23 17:04	1.0		
027	icp data	MSS	483426-001	Drinking Water	311914	04/17/23 17:07	1.0	13	
028	icp data	MS	QC1059068	Drinking Water	311914	04/17/23 17:10	1.0	13	
029	icp data	MSD	QC1059069	Drinking Water	311914	04/17/23 17:14	1.0	13	
030	icp data	BLANK	QC1059037	Water	311906	04/17/23 17:17	1.0	13	
031	icp data	LCS	QC1059038	Water	311906	04/17/23 17:20	1.0	13	
032	icp data	SAMPLE	483345-001	Water	311906	04/17/23 17:23	1.0	13	
033	icp data	MSS	483421-107	Water	311906	04/17/23 17:27	1.0	13	
034	icp data	MS	QC1059039	Water	311906	04/17/23 17:30	1.0	13	
035	icp data	MSD	QC1059040	Water	311906	04/17/23 17:33	1.0	13	
036	icp data	SAMPLE	483427-001	Water	311906	04/17/23 17:36	1.0	13	
037	icp data	CCV				04/17/23 17:40	1.0	9	
038	icp data	CCB				04/17/23 17:43	1.0		
039	icp data	SAMPLE	483427-003	Water	311906	04/17/23 17:46	1.0	13	
040	icp data	SAMPLE	483427-004	Water	311906	04/17/23 17:49	1.0	13	
041	icp data	SAMPLE	483427-006	Water	311906	04/17/23 17:52	1.0	13	
042	icp data	SAMPLE	483427-009	Water	311906	04/17/23 17:56	1.0	13	
043	icp data	SAMPLE	483437-008	Water	311906	04/17/23 17:59	1.0	13	
044	icp data	BLANK	QC1059041	Water	311907	04/17/23 18:02	1.0	13	
045	icp data	LCS	QC1059042	Water	311907	04/17/23 18:05	1.0	13	
046	icp data	SAMPLE	483427-002	Water	311907	04/17/23 18:09	1.0	13	2:FE=45
047	icp data	SAMPLE	483427-005	Water	311907	04/17/23 18:12	1.0	13	
048	icp data	SAMPLE	483427-007	Water	311907	04/17/23 18:15	1.0	13	
049	icp data	CCV				04/17/23 18:18	1.0	9	
050	icp data	CCB				04/17/23 18:22	1.0		

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
051	icp data	MSS	483427-008	Water	311907	04/17/23 18:25	1.0	13	
052	icp data	MS	QC1059043	Water	311907	04/17/23 18:28	1.0	13	
053	icp data	MSD	QC1059044	Water	311907	04/17/23 18:31	1.0	13	
054	icp data	BLANK	QC1059120	Filtrate	311928	04/17/23 18:35	1.0	13	
055	icp data	LCS	QC1059121	Filtrate	311928	04/17/23 18:38	1.0	13	
056	icp data	SAMPLE	483409-001	Filtrate	311928	04/17/23 18:41	1.0	13	
057	icp data	SAMPLE	483409-002	Filtrate	311928	04/17/23 18:44	1.0	13	
058	icp data	SAMPLE	483409-003	Filtrate	311928	04/17/23 18:47	1.0	13	
059	icp data	MSS	483423-001	Filtrate	311928	04/17/23 18:51	1.0	13	4:MGASMGCO3=1600
060	icp data	MS	QC1059122	Filtrate	311928	04/17/23 18:54	1.0	13	4:MGASMGCO3=1900
061	icp data	CCV				04/17/23 18:57	1.0	9	
062	icp data	CCB				04/17/23 19:00	1.0		
063	icp data	MSD	QC1059123	Filtrate	311928	04/17/23 19:04	1.0	13	4:MGASMGCO3=1800
064	icp data	SAMPLE	483423-002	Filtrate	311928	04/17/23 19:07	1.0	13	2:NA=1200
065	icp data	SAMPLE	483423-003	Filtrate	311928	04/17/23 19:10	1.0	13	3:NA=1400
066	icp data	SAMPLE	483423-004	Filtrate	311928	04/17/23 19:13	1.0	13	
067	icp data	SAMPLE	483423-005	Filtrate	311928	04/17/23 19:17	1.0	13	2:NA=1200
068	icp data	SAMPLE	483423-006	Filtrate	311928	04/17/23 19:20	1.0	13	1:FE=25
069	icp data	SAMPLE	483423-007	Filtrate	311928	04/17/23 19:23	1.0	13	
070	icp data	SAMPLE	483423-008	Filtrate	311928	04/17/23 19:26	1.0	13	3:FE=220
071	icp data	SAMPLE	483423-009	Filtrate	311928	04/17/23 19:30	1.0	13	1:FE=100
072	icp data	SAMPLE	483423-010	Filtrate	311928	04/17/23 19:33	1.0	13	
073	icp data	CCV				04/17/23 19:36	1.0	9	
074	icp data	CCB				04/17/23 19:39	1.0		
075	icp data	SAMPLE	483423-011	Filtrate	311928	04/17/23 19:43	1.0	13	
076	icp data	BLANK	QC1059124	Filtrate	311929	04/17/23 19:46	1.0	13	
077	icp data	LCS	QC1059125	Filtrate	311929	04/17/23 19:49	1.0	13	
078	icp data	SAMPLE	482725-001	Filtrate	311929	04/17/23 19:52	1.0	13	
079	icp data	SAMPLE	482725-002	Filtrate	311929	04/17/23 19:55	1.0	13	
080	icp data	MSS	483107-001	Filtrate	311929	04/17/23 19:59	1.0	13	
081	icp data	MS	QC1059126	Filtrate	311929	04/17/23 20:02	1.0	13	
082	icp data	MSD	QC1059127	Filtrate	311929	04/17/23 20:05	1.0	13	
083	icp data	SAMPLE	483107-002	Filtrate	311929	04/17/23 20:08	1.0	13	
084	icp data	SAMPLE	483422-001	Filtrate	311929	04/17/23 20:12	1.0	13	
085	icp data	CCV				04/17/23 20:15	1.0	9	
086	icp data	CCB				04/17/23 20:18	1.0		
087	icp data	BLANK	QC1059112	Water	311927	04/17/23 20:21	1.0	13	
088	icp data	LCS	QC1059113	Water	311927	04/17/23 20:25	1.0	13	
089	icp data	SAMPLE	483068-001	Water	311927	04/17/23 20:28	1.0	13	1:B=28
090	icp data	MSS	483268-001	Water	311927	04/17/23 20:31	1.0	13	1:NA=1200
091	icp data	MS	QC1059114	Water	311927	04/17/23 20:34	1.0	13	1:NA=1200
092	icp data	MSD	QC1059115	Water	311927	04/17/23 20:37	1.0	13	1:NA=1200
093	icp data	SAMPLE	483307-001	Water	311927	04/17/23 20:41	1.0	13	
094	icp data	SAMPLE	483330-001	Water	311927	04/17/23 20:44	1.0	13	
095	icp data	BLANK	QC1059061	Soil	311913	04/17/23 20:47	1.0	13	
096	icp data	LCS	QC1059062	Soil	311913	04/17/23 20:50	1.0	13	
097	icp data	CCV				04/17/23 20:54	1.0	9	
098	icp data	CCB				04/17/23 20:57	1.0		
099	icp data	MSS	483380-005	Soil	311913	04/17/23 21:00	1.0	13	5:ALASAL2O3=360
100	icp data	MS	QC1059094	Soil	311913	04/17/23 21:03	1.0	13	5:ALASAL2O3=450

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
101	icp data	MSD	QC1059095	Soil	311913	04/17/23 21:07	1.0	13	5:ALASAL2O3=430
102	icp data	PDS	QC1059065	Soil	311913	04/17/23 21:10	1.0	13	5:ALASAL2O3=350
103	icp data	SAMPLE	483466-001	Soil	311913	04/17/23 21:13	1.0	13	3:FE=150
104	icp data	SAMPLE	483466-002	Soil	311913	04/17/23 21:16	1.0	13	3:FE=180
105	icp data	SAMPLE	483466-003	Soil	311913	04/17/23 21:20	1.0	13	3:FE=170
106	icp data	CCV				04/17/23 21:23	1.0	9	
107	icp data	CCB				04/17/23 21:26	1.0		
108	icp data	SAMPLE	483421-040	Soil	311848	04/17/23 22:20	1.0	13	3:FE=270
109	icp data	SAMPLE	483421-041	Soil	311848	04/17/23 22:23	1.0	13	3:FE=250
110	icp data	SAMPLE	483421-042	Soil	311848	04/17/23 22:27	1.0	13	3:FE=260
111	icp data	SAMPLE	483421-043	Soil	311848	04/17/23 22:30	1.0	13	3:FE=270
112	icp data	SAMPLE	483421-044	Soil	311848	04/17/23 22:33	1.0	13	3:FE=260
113	icp data	SAMPLE	483421-045	Soil	311848	04/17/23 22:36	1.0	13	3:FE=280
114	icp data	SAMPLE	483421-046	Soil	311848	04/17/23 22:39	1.0	13	3:FE=230
115	icp data	SAMPLE	483421-047	Soil	311848	04/17/23 22:43	1.0	13	3:FE=260
116	icp data	SAMPLE	483421-048	Soil	311848	04/17/23 22:46	1.0	13	3:FE=260
117	icp data	SAMPLE	483421-049	Soil	311848	04/17/23 22:49	1.0	13	3:FE=310
118	icp data	CCV				04/17/23 22:52	1.0	9	
119	icp data	CCB				04/17/23 22:56	1.0		
120	icp data	SAMPLE	483421-050	Soil	311848	04/17/23 22:59	1.0	13	3:FE=290
121	icp data	SAMPLE	483421-051	Soil	311848	04/17/23 23:02	1.0	13	3:FE=240
122	icp data	MSS	483440-001	Soil	311848	04/17/23 23:05	1.0	13	4:ALASAL2O3=300
123	icp data	MS	QC1058835	Soil	311848	04/17/23 23:09	1.0	13	5:ALASAL2O3=320
124	icp data	MSD	QC1058836	Soil	311848	04/17/23 23:12	1.0	13	5:ALASAL2O3=300
125	icp data	PDS	QC1058837	Soil	311848	04/17/23 23:15	1.0	13	4:ALASAL2O3=300
126	icp data	MSS	483421-013	Soil	311846	04/17/23 23:18	1.0	13	7:ALASAL2O3=430
127	icp data	MS	QC1058825	Soil	311846	04/17/23 23:22	1.0	13	7:ALASAL2O3=480
128	icp data	MSD	QC1058826	Soil	311846	04/17/23 23:25	1.0	13	7:ALASAL2O3=470
129	icp data	PDS	QC1058827	Soil	311846	04/17/23 23:28	1.0	13	7:ALASAL2O3=420
130	icp data	CCV				04/17/23 23:31	1.0	9	
131	icp data	CCB				04/17/23 23:35	1.0		
132	icp data	SAMPLE	483421-014	Soil	311846	04/17/23 23:38	1.0	13	3:FE=260
133	icp data	SAMPLE	483421-015	Soil	311846	04/17/23 23:41	1.0	13	3:FE=260
134	icp data	SAMPLE	483421-016	Soil	311846	04/17/23 23:44	1.0	13	3:FE=270
135	icp data	SAMPLE	483421-017	Soil	311846	04/17/23 23:47	1.0	13	3:FE=270
136	icp data	SAMPLE	483421-018	Soil	311846	04/17/23 23:51	1.0	13	3:FE=250
137	icp data	SAMPLE	483421-019	Soil	311846	04/17/23 23:54	1.0	13	3:FE=270
138	icp data	SAMPLE	483421-020	Soil	311846	04/17/23 23:57	1.0	13	3:FE=270
139	icp data	SAMPLE	483421-021	Soil	311846	04/18/23 00:00	1.0	13	3:FE=210
140	icp data	SAMPLE	483421-022	Soil	311846	04/18/23 00:04	1.0	13	3:FE=260
141	icp data	SAMPLE	483421-023	Soil	311846	04/18/23 00:07	1.0	13	3:FE=280
142	icp data	CCV				04/18/23 00:10	1.0	9	
143	icp data	CCB				04/18/23 00:13	1.0		
144	icp data	SAMPLE	483421-024	Soil	311846	04/18/23 00:17	1.0	13	3:FE=250
145	icp data	SAMPLE	483421-025	Soil	311846	04/18/23 00:20	1.0	13	3:FE=200
146	icp data	SAMPLE	483421-026	Soil	311846	04/18/23 00:23	1.0	13	3:FE=240
147	icp data	SAMPLE	483421-027	Soil	311846	04/18/23 00:26	1.0	13	3:FE=260
148	icp data	SAMPLE	483421-028	Soil	311846	04/18/23 00:30	1.0	13	3:FE=270
149	icp data	SAMPLE	483421-029	Soil	311846	04/18/23 00:33	1.0	13	3:FE=270
150	icp data	SAMPLE	483421-030	Soil	311846	04/18/23 00:36	1.0	13	3:FE=270

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
151	icp data	SAMPLE	483421-031	Soil	311846	04/18/23 00:39	1.0	13	3:FE=260
152	icp data	SAMPLE	483421-032	Soil	311846	04/18/23 00:43	1.0	13	3:FE=270
153	icp data	MSS	483421-052	Soil	311858	04/18/23 00:46	1.0	13	7:ALASAL2O3=420
154	icp data	CCV				04/18/23 00:49	1.0	9	
155	icp data	CCB				04/18/23 00:52	1.0		
156	icp data	MS	QC1058868	Soil	311858	04/18/23 00:55	1.0	13	7:ALASAL2O3=470
157	icp data	MSD	QC1058869	Soil	311858	04/18/23 00:59	1.0	13	7:ALASAL2O3=480
158	icp data	PDS	QC1058870	Soil	311858	04/18/23 01:02	1.0	13	7:ALASAL2O3=420
159	icp data	SAMPLE	483421-053	Soil	311858	04/18/23 01:05	1.0	13	3:FE=220
160	icp data	SAMPLE	483421-054	Soil	311858	04/18/23 01:08	1.0	13	3:FE=290
161	icp data	SAMPLE	483421-055	Soil	311858	04/18/23 01:12	1.0	13	3:FE=270
162	icp data	SAMPLE	483421-056	Soil	311858	04/18/23 01:15	1.0	13	3:FE=270
163	icp data	SAMPLE	483421-057	Soil	311858	04/18/23 01:18	1.0	13	3:FE=300
164	icp data	SAMPLE	483421-058	Soil	311858	04/18/23 01:21	1.0	13	3:FE=280
165	icp data	SAMPLE	483421-059	Soil	311858	04/18/23 01:25	1.0	13	3:FE=270
166	icp data	CCV				04/18/23 01:28	1.0	9	
167	icp data	CCB				04/18/23 01:31	1.0		
168	icp data	SAMPLE	483421-060	Soil	311858	04/18/23 01:34	1.0	13	3:FE=250
169	icp data	SAMPLE	483421-061	Soil	311858	04/18/23 01:38	1.0	13	3:FE=260
170	icp data	SAMPLE	483421-062	Soil	311858	04/18/23 01:41	1.0	13	3:FE=280
171	icp data	SAMPLE	483421-063	Soil	311858	04/18/23 01:44	1.0	13	2:CU=130
172	icp data	SAMPLE	483421-064	Soil	311858	04/18/23 01:47	1.0	13	4:FE=280
173	icp data	SAMPLE	483421-065	Soil	311858	04/18/23 01:50	1.0	13	3:FE=280
174	icp data	SAMPLE	483421-066	Soil	311858	04/18/23 01:54	1.0	13	3:FE=270
175	icp data	SAMPLE	483421-067	Soil	311858	04/18/23 01:57	1.0	13	3:FE=170
176	icp data	SAMPLE	483421-068	Soil	311858	04/18/23 02:00	1.0	13	3:FE=280
177	icp data	SAMPLE	483421-069	Soil	311858	04/18/23 02:03	1.0	13	3:FE=290
178	icp data	CCV				04/18/23 02:07	1.0	9	
179	icp data	CCB				04/18/23 02:10	1.0		
180	icp data	SAMPLE	483421-070	Soil	311858	04/18/23 02:13	1.0	13	3:FE=280
181	icp data	SAMPLE	483421-071	Soil	311858	04/18/23 02:16	1.0	13	3:FE=270
182	icp data	MSS	483421-072	Soil	311859	04/18/23 02:20	1.0	13	7:ALASAL2O3=470
183	icp data	MS	QC1058876	Soil	311859	04/18/23 02:23	1.0	13	7:CAASCACO3=540
184	icp data	MSD	QC1058877	Soil	311859	04/18/23 02:26	1.0	13	7:CAASCACO3=510
185	icp data	PDS	QC1058878	Soil	311859	04/18/23 02:29	1.0	13	7:ALASAL2O3=460
186	icp data	SAMPLE	483421-073	Soil	311859	04/18/23 02:33	1.0	13	3:FE=250
187	icp data	SAMPLE	483421-074	Soil	311859	04/18/23 02:36	1.0	13	3:FE=290
188	icp data	SAMPLE	483421-075	Soil	311859	04/18/23 02:39	1.0	13	3:FE=280
189	icp data	SAMPLE	483421-076	Soil	311859	04/18/23 02:42	1.0	13	3:FE=280
190	icp data	CCV				04/18/23 02:45	1.0	9	
191	icp data	CCB				04/18/23 02:49	1.0		
192	icp data	SAMPLE	483421-077	Soil	311859	04/18/23 02:52	1.0	13	3:FE=190
193	icp data	SAMPLE	483421-078	Soil	311859	04/18/23 02:55	1.0	13	3:FE=270
194	icp data	SAMPLE	483421-079	Soil	311859	04/18/23 02:58	1.0	13	3:FE=270
195	icp data	SAMPLE	483421-080	Soil	311859	04/18/23 03:02	1.0	13	3:FE=240
196	icp data	SAMPLE	483421-081	Soil	311859	04/18/23 03:05	1.0	13	3:FE=210
197	icp data	SAMPLE	483421-082	Soil	311859	04/18/23 03:08	1.0	13	4:FE=270
198	icp data	SAMPLE	483421-083	Soil	311859	04/18/23 03:11	1.0	13	3:FE=280
199	icp data	SAMPLE	483421-084	Soil	311859	04/18/23 03:15	1.0	13	3:FE=200
200	icp data	SAMPLE	483421-085	Soil	311859	04/18/23 03:18	1.0	13	3:FE=270

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
201	icp data	SAMPLE	483421-086	Soil	311859	04/18/23 03:21	1.0	13	3:FE=260
202	icp data	CCV				04/18/23 03:24	1.0	9	
203	icp data	CCB				04/18/23 03:28	1.0		
204	icp data	SAMPLE	483421-087	Soil	311859	04/18/23 03:31	1.0	13	3:FE=200
205	icp data	SAMPLE	483421-088	Soil	311859	04/18/23 03:34	1.0	13	3:FE=300
206	icp data	SAMPLE	483421-089	Soil	311859	04/18/23 03:37	1.0	13	3:FE=280
207	icp data	SAMPLE	483421-090	Soil	311859	04/18/23 03:40	1.0	13	3:FE=270
208	icp data	SAMPLE	483421-091	Soil	311859	04/18/23 03:44	1.0	13	3:FE=270
209	icp data	BLANK	QC1059012	Soil	311896	04/18/23 03:47	1.0	13	
210	icp data	LCS	QC1059013	Soil	311896	04/18/23 03:50	1.0	13	
211	icp data	SAMPLE	483434-001	Soil	311896	04/18/23 03:53	1.0	13	2:FE=130
212	icp data	SAMPLE	483434-002	Soil	311896	04/18/23 03:57	1.0	13	2:FE=150
213	icp data	SAMPLE	483434-003	Soil	311896	04/18/23 04:00	1.0	13	2:FE=140
214	icp data	CCV				04/18/23 04:03	1.0	9	
215	icp data	CCB				04/18/23 04:06	1.0		
216	icp data	SAMPLE	483434-004	Soil	311896	04/18/23 04:10	1.0	13	2:FE=150
217	icp data	SAMPLE	483434-005	Soil	311896	04/18/23 04:13	1.0	13	2:FE=180
218	icp data	SAMPLE	483434-006	Soil	311896	04/18/23 04:16	1.0	13	2:FE=61
219	icp data	SAMPLE	483434-007	Soil	311896	04/18/23 04:19	1.0	13	2:FE=190
220	icp data	SAMPLE	483434-008	Soil	311896	04/18/23 04:23	1.0	13	2:FE=120
221	icp data	SAMPLE	483434-009	Soil	311896	04/18/23 04:26	1.0	13	2:FE=110
222	icp data	SAMPLE	483434-010	Soil	311896	04/18/23 04:29	1.0	13	2:FE=57
223	icp data	MSS	483435-001	Soil	311896	04/18/23 04:32	1.0	13	4:FEASFE2O3=210
224	icp data	MS	QC1059014	Soil	311896	04/18/23 04:35	1.0	13	4:FEASFE2O3=230
225	icp data	MSD	QC1059015	Soil	311896	04/18/23 04:39	1.0	13	4:FEASFE2O3=240
226	icp data	CCV				04/18/23 04:42	1.0	9	
227	icp data	CCB				04/18/23 04:45	1.0		
228	icp data	PDS	QC1059016	Soil	311896	04/18/23 04:48	1.0	13	4:FEASFE2O3=210
229	icp data	SAMPLE	483435-002	Soil	311896	04/18/23 04:52	1.0	13	2:FE=79
230	icp data	SAMPLE	483435-003	Soil	311896	04/18/23 04:55	1.0	13	2:FE=150
231	icp data	SAMPLE	483435-004	Soil	311896	04/18/23 04:58	1.0	13	2:FE=150
232	icp data	SAMPLE	483435-005	Soil	311896	04/18/23 05:01	1.0	13	2:FE=170
233	icp data	SAMPLE	483435-006	Soil	311896	04/18/23 05:05	1.0	13	2:FE=160
234	icp data	SAMPLE	483435-007	Soil	311896	04/18/23 05:08	1.0	13	2:FE=130
235	icp data	SAMPLE	483435-008	Soil	311896	04/18/23 05:11	1.0	13	2:FE=200
236	icp data	SAMPLE	483435-009	Soil	311896	04/18/23 05:14	1.0	13	2:FE=140
237	icp data	SAMPLE	483435-010	Soil	311896	04/18/23 05:18	1.0	13	2:FE=100
238	icp data	CCV				04/18/23 05:21	1.0	9	
239	icp data	CCB				04/18/23 05:24	1.0		
240	icp data	BLANK	QC1059017	Miscell.	311898	04/18/23 05:27	1.0	13	
241	icp data	LCS	QC1059018	Miscell.	311898	04/18/23 05:30	1.0	13	
242	icp data	SAMPLE	483367-001	Soil	311898	04/18/23 05:34	1.0	13	3:FE=340
243	icp data	MSS	483421-092	Soil	311898	04/18/23 05:37	1.0	13	7:ALASAL2O3=490
244	icp data	MS	QC1059019	Soil	311898	04/18/23 05:40	1.0	13	7:ALASAL2O3=540
245	icp data	MSD	QC1059020	Soil	311898	04/18/23 05:43	1.0	13	7:ALASAL2O3=510
246	icp data	PDS	QC1059021	Soil	311898	04/18/23 05:47	1.0	13	7:ALASAL2O3=490
247	icp data	SAMPLE	483421-093	Soil	311898	04/18/23 05:50	1.0	13	3:FE=270
248	icp data	SAMPLE	483421-094	Soil	311898	04/18/23 05:53	1.0	13	3:FE=250
249	icp data	SAMPLE	483421-095	Soil	311898	04/18/23 05:56	1.0	13	3:FE=270
250	icp data	CCV				04/18/23 06:00	1.0	9	

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
251	icp data	CCB				04/18/23 06:03	1.0		
252	icp data	SAMPLE	483421-096	Soil	311898	04/18/23 06:06	1.0	13	3:FE=230
253	icp data	SAMPLE	483421-097	Soil	311898	04/18/23 06:09	1.0	13	3:FE=250
254	icp data	SAMPLE	483421-098	Soil	311898	04/18/23 06:13	1.0	13	3:FE=260
255	icp data	SAMPLE	483421-099	Soil	311898	04/18/23 06:16	1.0	13	3:FE=270
256	icp data	SAMPLE	483421-100	Soil	311898	04/18/23 06:19	1.0	13	3:FE=250
257	icp data	SAMPLE	483421-101	Soil	311898	04/18/23 06:22	1.0	13	3:FE=240
258	icp data	SAMPLE	483421-102	Soil	311898	04/18/23 06:26	1.0	13	3:FE=260
259	icp data	SAMPLE	483421-103	Soil	311898	04/18/23 06:29	1.0	13	3:FE=280
260	icp data	SAMPLE	483421-104	Soil	311898	04/18/23 06:32	1.0	13	3:FE=200
261	icp data	SAMPLE	483421-105	Soil	311898	04/18/23 06:35	1.0	13	3:FE=250
262	icp data	CCV				04/18/23 06:39	1.0	9	
263	icp data	CCB				04/18/23 06:42	1.0		
264	icp data	SAMPLE	483421-106	Soil	311898	04/18/23 06:45	1.0	13	3:FE=260
265	icp data	SAMPLE	483441-001	Miscell.	311898	04/18/23 06:48	1.0	13	3:FE=160
266	icp data	SAMPLE	483441-011	Soil	311898	04/18/23 06:52	1.0	13	3:FE=160
267	icp data	SAMPLE	483441-012	Soil	311898	04/18/23 06:55	1.0	13	3:FE=150
268	icp data	SAMPLE	483441-013	Soil	311898	04/18/23 06:58	1.0	13	3:FE=170
269	icp data	CCV				04/18/23 07:01	1.0	9	
270	icp data	CCB				04/18/23 07:05	1.0		
271	icp data	PDS	QC1059016	Soil	311896	04/18/23 08:15	1.0	13	4:FEASFE2O3=200
272	icp data	SAMPLE	483435-002	Soil	311896	04/18/23 08:18	1.0	13	2:FE=79
273	icp data	SAMPLE	483435-003	Soil	311896	04/18/23 08:22	1.0	13	2:FE=150
274	icp data	SAMPLE	483435-004	Soil	311896	04/18/23 08:25	1.0	13	2:FE=140
275	icp data	SAMPLE	483435-005	Soil	311896	04/18/23 08:28	1.0	13	2:FE=170
276	icp data	SAMPLE	483435-006	Soil	311896	04/18/23 08:31	1.0	13	2:FE=160
277	icp data	SAMPLE	483435-007	Soil	311896	04/18/23 08:35	1.0	13	2:FE=120
278	icp data	SAMPLE	483435-008	Soil	311896	04/18/23 08:38	1.0	13	2:FE=190
279	icp data	SAMPLE	483435-009	Soil	311896	04/18/23 08:41	1.0	13	2:FE=130
280	icp data	SAMPLE	483435-010	Soil	311896	04/18/23 08:44	1.0	13	2:FE=100
281	icp data	CCV				04/18/23 08:48	1.0	9	
282	icp data	CCB				04/18/23 08:51	1.0		
283	icp data	BLANK	QC1059017	Miscell.	311898	04/18/23 08:54	1.0	13	
284	icp data	LCS	QC1059018	Miscell.	311898	04/18/23 08:57	1.0	13	
285	icp data	SAMPLE	483367-001	Soil	311898	04/18/23 09:00	1.0	13	3:FE=330
286	icp data	MSS	483421-092	Soil	311898	04/18/23 09:04	1.0	13	7:ALASAL2O3=490
287	icp data	MS	QC1059019	Soil	311898	04/18/23 09:07	1.0	13	7:ALASAL2O3=530
288	icp data	MSD	QC1059020	Soil	311898	04/18/23 09:10	1.0	13	7:ALASAL2O3=520
289	icp data	PDS	QC1059021	Soil	311898	04/18/23 09:13	1.0	13	7:ALASAL2O3=480
290	icp data	SAMPLE	483421-093	Soil	311898	04/18/23 09:17	1.0	13	3:FE=260
291	icp data	SAMPLE	483421-094	Soil	311898	04/18/23 09:20	1.0	13	3:FE=260
292	icp data	SAMPLE	483421-095	Soil	311898	04/18/23 09:23	1.0	13	3:FE=270
293	icp data	CCV				04/18/23 09:26	1.0	9	
294	icp data	CCB				04/18/23 09:30	1.0		
295	icp data	SAMPLE	483256-001	Soil	311847	04/18/23 09:38	10.0	13	2:FE=23
296	icp data	SAMPLE	483256-002	Soil	311847	04/18/23 09:41	10.0	13	2:FE=22
297	icp data	SAMPLE	483256-001	Soil	311847	04/18/23 09:47	100.0	13	
298	icp data	SAMPLE	483256-002	Soil	311847	04/18/23 09:50	100.0	13	
299	icp data	CCV				04/18/23 09:54	1.0	9	
300	icp data	CCB				04/18/23 09:57	1.0		

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
301	icp data	MSS	483440-001	Soil	311848	04/18/23 10:06	1.0	13	4:ALASAL2O3=290
302	icp data	MS	QC1058835	Soil	311848	04/18/23 10:09	1.0	13	5:ALASAL2O3=300
303	icp data	MSD	QC1058836	Soil	311848	04/18/23 10:12	1.0	13	4:ALASAL2O3=290
304	icp data	SAMPLE	483421-082	Soil	311859	04/18/23 10:15	10.0	13	2:FE=30
305	icp data	CCV				04/18/23 10:19	1.0	9	
306	icp data	CCB				04/18/23 10:22	1.0		
307	icp data	BLANK	QC1059144	Soil	311931	04/18/23 11:28	1.0	13	
308	icp data	LCS	QC1059145	Soil	311931	04/18/23 11:31	1.0	13	
309	icp data	MSS	483433-001	Soil	311931	04/18/23 11:34	1.0	13	4:FEASFE2O3=100
310	icp data	MS	QC1059146	Soil	311931	04/18/23 11:37	1.0	13	4:ALASAL2O3=180
311	icp data	MSD	QC1059147	Soil	311931	04/18/23 11:41	1.0	13	4:ALASAL2O3=190
312	icp data	PDS	QC1059148	Soil	311931	04/18/23 11:44	1.0	13	4:FEASFE2O3=99
313	icp data	SAMPLE	483433-002	Soil	311931	04/18/23 11:47	1.0	13	3:AL=170
314	icp data	SAMPLE	483433-003	Soil	311931	04/18/23 11:50	1.0	13	2:FE=75
315	icp data	SAMPLE	483433-004	Soil	311931	04/18/23 11:54	1.0	13	2:FE=130
316	icp data	SAMPLE	483433-005	Soil	311931	04/18/23 11:57	1.0	13	2:FE=130
317	icp data	CCV				04/18/23 12:00	1.0	9	
318	icp data	CCB				04/18/23 12:03	1.0		
319	icp data	SAMPLE	483433-006	Soil	311931	04/18/23 12:07	1.0	13	2:FE=70
320	icp data	SAMPLE	483433-007	Soil	311931	04/18/23 12:10	1.0	13	2:FE=72
321	icp data	SAMPLE	483433-008	Soil	311931	04/18/23 12:13	1.0	13	2:FE=68
322	icp data	SAMPLE	483433-009	Soil	311931	04/18/23 12:16	1.0	13	2:FE=87
323	icp data	SAMPLE	483433-010	Soil	311931	04/18/23 12:20	1.0	13	2:FE=190
324	icp data	SAMPLE	483436-001	Soil	311931	04/18/23 12:23	1.0	13	2:FE=82
325	icp data	SAMPLE	483436-002	Soil	311931	04/18/23 12:26	1.0	13	2:FE=66
326	icp data	SAMPLE	483436-003	Soil	311931	04/18/23 12:29	1.0	13	2:FE=150
327	icp data	SAMPLE	483436-004	Soil	311931	04/18/23 12:33	1.0	13	2:FE=63
328	icp data	SAMPLE	483436-005	Soil	311931	04/18/23 12:36	1.0	13	2:FE=62
329	icp data	CCV				04/18/23 12:39	1.0	9	
330	icp data	CCB				04/18/23 12:42	1.0		
331	icp data	SAMPLE	483436-006	Soil	311931	04/18/23 12:46	1.0	13	2:FE=110
332	icp data	SAMPLE	483436-007	Soil	311931	04/18/23 12:49	1.0	13	2:FE=110
333	icp data	SAMPLE	483436-008	Soil	311931	04/18/23 12:52	1.0	13	2:FE=120
334	icp data	SAMPLE	483436-009	Soil	311931	04/18/23 12:55	1.0	13	2:FE=160
335	icp data	SAMPLE	483436-010	Soil	311931	04/18/23 12:59	1.0	13	2:FE=150
336	icp data	BLANK	QC1059327	Drinking Water	311988	04/18/23 13:02	1.0	13	
337	icp data	LCS	QC1059328	Drinking Water	311988	04/18/23 13:05	1.0	13	
338	icp data	MSS	483487-001	Drinking Water	311988	04/18/23 13:08	1.0	13	
339	icp data	MS	QC1059332	Drinking Water	311988	04/18/23 13:12	1.0	13	
340	icp data	MSD	QC1059333	Drinking Water	311988	04/18/23 13:15	1.0	13	
341	icp data	CCV				04/18/23 13:18	1.0	9	
342	icp data	CCB				04/18/23 13:21	1.0		
343	icp data	SAMPLE	483487-002	Drinking Water	311988	04/18/23 13:25	1.0	13	
344	icp data	SAMPLE	483487-003	Drinking Water	311988	04/18/23 13:28	1.0	13	
345	icp data	SAMPLE	483489-001	Drinking Water	311988	04/18/23 13:31	1.0	13	
346	icp data	SAMPLE	483489-002	Drinking Water	311988	04/18/23 13:34	1.0	13	
347	icp data	CCV				04/18/23 13:38	1.0	9	
348	icp data	CCB				04/18/23 13:41	1.0		
349	icp data	SAMPLE	483437-002	Soil	311933	04/18/23 14:08	1.0	13	2:FE=110
350	icp data	SAMPLE	483437-003	Soil	311933	04/18/23 14:11	1.0	13	2:FE=110

Instrument: MET09 Begun: 04/17/23 15:43
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
351	icp data	SAMPLE	483437-004	Soil	311933	04/18/23 14:14	1.0	13	2:FE=130
352	icp data	SAMPLE	483437-005	Soil	311933	04/18/23 14:17	1.0	13	2:FE=140
353	icp data	SAMPLE	483437-006	Soil	311933	04/18/23 14:21	1.0	13	2:FE=63
354	icp data	SAMPLE	483437-007	Soil	311933	04/18/23 14:24	1.0	13	2:FE=180
355	icp data	SAMPLE	483441-014	Soil	311933	04/18/23 14:27	1.0	13	3:FE=150
356	icp data	SAMPLE	483441-015	Soil	311933	04/18/23 14:30	1.0	13	3:FE=150
357	icp data	SAMPLE	483450-001	Soil	311933	04/18/23 14:34	1.0	13	2:FE=150
358	icp data	SAMPLE	483461-001	Miscell.	311933	04/18/23 14:37	1.0	13	3:FE=140
359	icp data	CCV				04/18/23 15:19	1.0	9	
360	icp data	CCB				04/18/23 15:22	1.0		
361	icp data	SAMPLE	483461-002	Miscell.	311933	04/18/23 15:25	1.0	13	3:FE=140
362	icp data	SAMPLE	483461-003	Miscell.	311933	04/18/23 15:29	1.0	13	3:FE=140
363	icp data	SAMPLE	483461-004	Miscell.	311933	04/18/23 15:32	1.0	13	3:FE=150
364	icp data	SAMPLE	483462-001	Miscell.	311933	04/18/23 15:35	1.0	13	4:CA=990
365	icp data	BLANK	QC1059183	Soil	311948	04/18/23 15:38	1.0	13	
366	icp data	LCS	QC1059184	Soil	311948	04/18/23 15:42	1.0	13	
367	icp data	SAMPLE	483151-001	Soil	311948	04/18/23 15:45	1.0	13	2:FE=120
368	icp data	MSS	483497-001	Soil	311948	04/18/23 15:48	1.0	13	5:FEASFE2O3=200
369	icp data	MS	QC1059272	Soil	311948	04/18/23 15:51	1.0	13	5:FEASFE2O3=230
370	icp data	MSD	QC1059273	Soil	311948	04/18/23 15:55	1.0	13	5:FEASFE2O3=210
371	icp data	CCV				04/18/23 15:58	1.0	9	
372	icp data	CCB				04/18/23 16:01	1.0		
373	icp data	PDS	QC1059274	Soil	311948	04/18/23 16:04	1.0	13	5:FEASFE2O3=190
374	icp data	SAMPLE	483497-002	Soil	311948	04/18/23 16:08	1.0	13	3:FE=140
375	icp data	SAMPLE	483497-003	Soil	311948	04/18/23 16:11	1.0	13	2:FE=97
376	icp data	SAMPLE	483497-004	Soil	311948	04/18/23 16:14	1.0	13	3:FE=180
377	icp data	SAMPLE	483497-005	Soil	311948	04/18/23 16:17	1.0	13	3:FE=240
378	icp data	CCV				04/18/23 16:21	1.0	9	
379	icp data	CCB				04/18/23 16:24	1.0		
380	icp data	BLANK	QC1059183	Soil	311948	04/18/23 16:31	1.0	13	
381	icp data	BLANK	QC1059275	Soil	311970	04/18/23 16:34	1.0	13	
382	icp data	LCS	QC1059276	Soil	311970	04/18/23 16:38	1.0	13	
383	icp data	MSS	483411-001	Soil	311970	04/18/23 16:41	1.0	13	4:FEASFE2O3=180
384	icp data	MS	QC1059277	Soil	311970	04/18/23 16:44	1.0	13	5:FEASFE2O3=170
385	icp data	MSD	QC1059278	Soil	311970	04/18/23 16:47	1.0	13	5:FEASFE2O3=190
386	icp data	PDS	QC1059279	Soil	311970	04/18/23 16:51	1.0	13	4:FEASFE2O3=180
387	icp data	SAMPLE	483411-002	Soil	311970	04/18/23 16:54	1.0	13	2:FE=94
388	icp data	SAMPLE	483411-010	Soil	311970	04/18/23 16:57	1.0	13	3:FE=160
389	icp data	SAMPLE	483411-011	Soil	311970	04/18/23 17:00	1.0	13	3:FE=200
390	icp data	CCV				04/18/23 17:04	1.0	9	
391	icp data	CCB				04/18/23 17:07	1.0		
392	icp data	BLANK	QC1059329	Sea Water	311989	04/18/23 17:10	1.0	13	
393	icp data	LCS	QC1059369	Sea Water	311989	04/18/23 17:13	1.0	13	
394	icp data	SAMPLE	483499-001	Sea Water	311989	04/18/23 17:17	25.0	13	
395	icp data	SAMPLE	483499-002	Sea Water	311989	04/18/23 17:20	25.0	13	
396	icp data	MSS	483500-002	Sea Water	311989	04/18/23 17:23	25.0	13	
397	icp data	MS	QC1059370	Sea Water	311989	04/18/23 17:26	25.0	13	
398	icp data	MSD	QC1059371	Sea Water	311989	04/18/23 17:30	25.0	13	
399	icp data	SAMPLE	483498-001	Drinking Water	311988	04/18/23 17:33	1.0	13	
400	icp data	SAMPLE	483500-001	Drinking Water	311988	04/18/23 17:36	1.0	13	

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
401	icp data	SAMPLE	483503-001	Drinking Water	311988	04/18/23 17:39	1.0	13	
402	icp data	CCV				04/18/23 17:43	1.0	9	
403	icp data	CCB				04/18/23 17:46	1.0		
404	icp data	BLANK	QC1059304	Wipe	311981	04/18/23 17:49	1.0	13	
405	icp data	BS	QC1059305	Wipe	311981	04/18/23 17:52	1.0	13	
406	icp data	BSD	QC1059306	Wipe	311981	04/18/23 17:56	1.0	13	
407	icp data	SAMPLE	483449-002	Wipe	311981	04/18/23 17:59	1.0	13	1:FE=63
408	icp data	SAMPLE	483449-004	Wipe	311981	04/18/23 18:02	1.0	13	1:FE=67
409	icp data	SAMPLE	483449-006	Wipe	311981	04/18/23 18:05	1.0	13	1:FE=42
410	icp data	SAMPLE	483449-007	Wipe	311981	04/18/23 18:09	1.0	13	1:FE=33
411	icp data	SAMPLE	483449-009	Wipe	311981	04/18/23 18:12	1.0	13	1:FE=67
412	icp data	SAMPLE	483449-010	Wipe	311981	04/18/23 18:15	1.0	13	1:FE=75
413	icp data	SAMPLE	483449-013	Wipe	311981	04/18/23 18:18	1.0	13	1:FE=150
414	icp data	CCV				04/18/23 18:22	1.0	9	
415	icp data	CCB				04/18/23 18:25	1.0		
416	icp data	SAMPLE	483449-015	Wipe	311981	04/18/23 18:28	1.0	13	1:FE=110
417	icp data	SAMPLE	483449-018	Wipe	311981	04/18/23 18:31	1.0	13	1:FE=86
418	icp data	SAMPLE	483449-020	Wipe	311981	04/18/23 18:35	1.0	13	1:FE=110
419	icp data	SAMPLE	483449-022	Wipe	311981	04/18/23 18:38	1.0	13	1:FE=76
420	icp data	SAMPLE	483449-024	Wipe	311981	04/18/23 18:41	1.0	13	1:FE=140
421	icp data	SAMPLE	483488-002	Wipe	311981	04/18/23 18:44	1.0	13	1:FE=67
422	icp data	SAMPLE	483488-004	Wipe	311981	04/18/23 18:48	1.0	13	1:FE=100
423	icp data	SAMPLE	483488-006	Wipe	311981	04/18/23 18:51	1.0	13	1:FE=120
424	icp data	SAMPLE	483488-008	Wipe	311981	04/18/23 18:54	1.0	13	1:FE=120
425	icp data	SAMPLE	483488-010	Wipe	311981	04/18/23 18:57	1.0	13	1:FE=97
426	icp data	CCV				04/18/23 19:01	1.0	9	
427	icp data	CCB				04/18/23 19:04	1.0		
428	icp data	SAMPLE	483488-012	Wipe	311981	04/18/23 19:07	1.0	13	1:FE=81
429	icp data	SAMPLE	483488-014	Wipe	311981	04/18/23 19:10	1.0	13	1:FE=51
430	icp data	SAMPLE	483488-016	Wipe	311981	04/18/23 19:14	1.0	13	1:FE=70
431	icp data	BLANK	QC1059323	Soil	311987	04/18/23 19:17	1.0	13	
432	icp data	LCS	QC1059324	Soil	311987	04/18/23 19:20	1.0	13	
433	icp data	MSS	483523-001	Soil	311987	04/18/23 19:23	1.0	13	4:ALASAL2O3=220
434	icp data	MS	QC1059325	Soil	311987	04/18/23 19:27	1.0	13	5:ALASAL2O3=370
435	icp data	MSD	QC1059326	Soil	311987	04/18/23 19:30	1.0	13	5:ALASAL2O3=320
436	icp data	PDS	QC1059415	Soil	311987	04/18/23 19:57	1.0	13	4:ALASAL2O3=220
437	icp data	SAMPLE	483523-002	Soil	311987	04/18/23 20:00	1.0	13	2:AL=140
438	icp data	CCV				04/18/23 20:03	1.0	9	
439	icp data	CCB				04/18/23 20:06	1.0		
440	icp data	SAMPLE	483523-003	Soil	311987	04/18/23 20:09	1.0	13	2:FE=81
441	icp data	SAMPLE	483523-004	Soil	311987	04/18/23 20:13	1.0	13	2:AL=110
442	icp data	BLANK	QC1059307	Wipe	311982	04/18/23 20:16	1.0	13	
443	icp data	BS	QC1059308	Wipe	311982	04/18/23 20:19	1.0	13	
444	icp data	BSD	QC1059309	Wipe	311982	04/18/23 20:22	1.0	13	
445	icp data	SAMPLE	483488-018	Wipe	311982	04/18/23 20:26	1.0	13	1:FE=150
446	icp data	SAMPLE	483488-021	Wipe	311982	04/18/23 20:29	1.0	13	1:FE=120
447	icp data	SAMPLE	483488-023	Wipe	311982	04/18/23 20:32	1.0	13	1:FE=120
448	icp data	SAMPLE	483488-025	Wipe	311982	04/18/23 20:35	1.0	13	1:FE=110
449	icp data	SAMPLE	483488-026	Wipe	311982	04/18/23 20:39	1.0	13	1:FE=110
450	icp data	CCV				04/18/23 20:42	1.0	9	

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
451	icp data	CCB				04/18/23 20:45	1.0		
452	icp data	SAMPLE	483488-028	Wipe	311982	04/18/23 20:48	1.0	13	1:FE=40
453	icp data	SAMPLE	483488-030	Wipe	311982	04/18/23 20:52	1.0	13	1:FE=93
454	icp data	SAMPLE	483492-002	Wipe	311982	04/18/23 20:55	1.0	13	1:FE=150
455	icp data	SAMPLE	483492-004	Wipe	311982	04/18/23 20:58	1.0	13	1:FE=65
456	icp data	SAMPLE	483492-006	Wipe	311982	04/18/23 21:01	1.0	13	1:FE=88
457	icp data	SAMPLE	483492-008	Wipe	311982	04/18/23 21:04	1.0	13	1:FE=91
458	icp data	SAMPLE	483492-009	Wipe	311982	04/18/23 21:08	1.0	13	1:FE=100
459	icp data	SAMPLE	483492-011	Wipe	311982	04/18/23 21:11	1.0	13	1:FE=110
460	icp data	SAMPLE	483492-014	Wipe	311982	04/18/23 21:14	1.0	13	1:FE=65
461	icp data	SAMPLE	483492-016	Wipe	311982	04/18/23 21:17	1.0	13	1:FE=62
462	icp data	CCV				04/18/23 21:21	1.0	9	
463	icp data	CCB				04/18/23 21:24	1.0		
464	icp data	SAMPLE	483492-018	Wipe	311982	04/18/23 21:27	1.0	13	1:FE=55
465	icp data	SAMPLE	483492-020	Wipe	311982	04/18/23 21:30	1.0	13	1:FE=70
466	icp data	SAMPLE	483492-022	Wipe	311982	04/18/23 21:34	1.0	13	1:FE=120
467	icp data	SAMPLE	483492-024	Wipe	311982	04/18/23 21:37	1.0	13	1:FE=52
468	icp data	SAMPLE	483492-026	Wipe	311982	04/18/23 21:40	1.0	13	1:FE=90
469	icp data	BLANK	QC1059339	Water	311991	04/18/23 21:43	1.0	13	
470	icp data	LCS	QC1059340	Water	311991	04/18/23 21:47	1.0	13	
471	icp data	SAMPLE	483100-001	Miscell.		04/18/23 21:50	1.0	13	
472	icp data	SAMPLE	483100-002	Miscell.		04/18/23 21:53	1.0	13	
473	icp data	?SAMPLE	483236-001		311991	04/18/23 21:56	1.0		
474	icp data	CCV				04/18/23 21:59	1.0	9	
475	icp data	CCB				04/18/23 22:03	1.0		
476	icp data	?SAMPLE	483236-002		311991	04/18/23 22:06	1.0		
477	icp data	SAMPLE	483336-001	Water	311991	04/18/23 22:09	1.0	13	
478	icp data	MSS	483389-001	Water	311991	04/18/23 22:12	1.0	13	
479	icp data	MS	QC1059341	Water	311991	04/18/23 22:16	1.0	13	
480	icp data	MSD	QC1059342	Water	311991	04/18/23 22:19	1.0	13	
481	icp data	BLANK	QC1059382	Miscell.	312015	04/18/23 22:22	1.0	13	
482	icp data	LCS	QC1059403	Soil	312015	04/18/23 22:25	1.0	13	
483	icp data	LCS	QC1059324	Soil	311987	04/18/23 22:30	1.0	13	
484	icp data	MSS	482859-001	Soil	312015	04/18/23 22:33	1.0	13	5:ALASAL2O3=360
485	icp data	MS	QC1059404	Soil	312015	04/18/23 22:37	1.0	13	6:ALASAL2O3=400
486	icp data	MSD	QC1059405	Soil	312015	04/18/23 22:40	1.0	13	5:ALASAL2O3=380
487	icp data	CCV				04/18/23 22:43	1.0	9	
488	icp data	CCB				04/18/23 22:46	1.0		
489	icp data	PDS	QC1059406	Soil	312015	04/18/23 22:49	1.0	13	5:ALASAL2O3=360
490	icp data	SAMPLE	483455-001	Miscell.	312015	04/18/23 22:53	1.0		5:ZN=110
491	icp data	SAMPLE	483455-002	Miscell.	312015	04/18/23 22:56	1.0	13	3:FE=230
492	icp data	SAMPLE	483455-003	Miscell.	312015	04/18/23 22:59	1.0	13	6:ZN=130
493	icp data	SAMPLE	483455-004	Miscell.	312015	04/18/23 23:02	1.0	13	4:SB=260
494	icp data	SAMPLE	483455-005	Miscell.	312015	04/18/23 23:06	1.0	13	3:ZN=190
495	icp data	SAMPLE	483455-006	Miscell.	312015	04/18/23 23:09	1.0	13	6:PB=430
496	icp data	SAMPLE	483455-007	Miscell.	312015	04/18/23 23:12	1.0	13	3:FE=180
497	icp data	SAMPLE	483461-005	Miscell.	312015	04/18/23 23:15	1.0	13	2:FE=130
498	icp data	SAMPLE	483461-006	Miscell.	312015	04/18/23 23:19	1.0	13	2:FE=110
499	icp data	SAMPLE	483461-007	Miscell.	312015	04/18/23 23:22	1.0	13	2:FE=110
500	icp data	CCV				04/18/23 23:25	1.0	9	

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
501	icp data	CCB				04/18/23 23:28	1.0		
502	icp data	SAMPLE	483461-008	Miscell.	312015	04/18/23 23:32	1.0	13	2:FE=100
503	icp data	SAMPLE	483482-001	Soil	312015	04/18/23 23:35	1.0	13	3:FE=350
504	icp data	SAMPLE	483482-002	Soil	312015	04/18/23 23:38	1.0	13	3:FE=410
505	icp data	BLANK	QC1059310	Wipe	311983	04/18/23 23:41	1.0	13	
506	icp data	BS	QC1059311	Wipe	311983	04/18/23 23:44	1.0	13	
507	icp data	BSD	QC1059312	Wipe	311983	04/18/23 23:48	1.0	13	
508	icp data	SAMPLE	483492-028	Wipe	311983	04/18/23 23:51	1.0	13	1:FE=63
509	icp data	SAMPLE	483492-031	Wipe	311983	04/18/23 23:54	1.0	13	1:FE=99
510	icp data	SAMPLE	483492-033	Wipe	311983	04/18/23 23:57	1.0	13	1:FE=75
511	icp data	CCV				04/19/23 00:01	1.0	9	
512	icp data	CCB				04/19/23 00:04	1.0		
513	icp data	SAMPLE	483492-035	Wipe	311983	04/19/23 00:07	1.0	13	1:FE=50
514	icp data	SAMPLE	483492-037	Wipe	311983	04/19/23 00:10	1.0	13	1:FE=31
515	icp data	SAMPLE	483492-039	Wipe	311983	04/19/23 00:14	1.0	13	1:FE=27
516	icp data	SAMPLE	483492-041	Wipe	311983	04/19/23 00:17	1.0	13	1:FE=45
517	icp data	SAMPLE	483492-043	Wipe	311983	04/19/23 00:20	1.0	13	1:FE=72
518	icp data	SAMPLE	483492-044	Wipe	311983	04/19/23 00:23	1.0	13	1:FE=100
519	icp data	SAMPLE	483492-046	Wipe	311983	04/19/23 00:27	1.0	13	1:FE=64
520	icp data	SAMPLE	483492-048	Wipe	311983	04/19/23 00:30	1.0	13	1:FE=81
521	icp data	SAMPLE	483492-050	Wipe	311983	04/19/23 00:33	1.0	13	1:FE=42
522	icp data	SAMPLE	483492-052	Wipe	311983	04/19/23 00:36	1.0	13	1:FE=73
523	icp data	CCV				04/19/23 00:39	1.0	9	
524	icp data	CCB				04/19/23 00:43	1.0		
525	icp data	SAMPLE	483492-054	Wipe	311983	04/19/23 00:46	1.0	13	1:FE=77
526	icp data	SAMPLE	483492-056	Wipe	311983	04/19/23 00:49	1.0	13	1:FE=97
527	icp data	SAMPLE	483492-058	Wipe	311983	04/19/23 00:52	1.0	13	1:FE=72
528	icp data	SAMPLE	483492-060	Wipe	311983	04/19/23 00:56	1.0	13	1:FE=45
529	icp data	SAMPLE	483492-062	Wipe	311983	04/19/23 00:59	1.0	13	
530	icp data	SAMPLE	483492-064	Wipe	311983	04/19/23 01:02	1.0	13	
531	icp data	SAMPLE	483492-065	Wipe	311983	04/19/23 01:05	1.0	13	1:FE=45
532	icp data	CCV				04/19/23 01:09	1.0	9	
533	icp data	CCB				04/19/23 01:12	1.0		

Standards Used:
1=S18211 2=S18210 3=S18209 4=S18208 5=S18207 6=S18171 7=S18176 8=S18177 9=S18219 10=S18178 11=S17961 12=S18242 13=S14463

Enthalpy Internal Standard Summary for Sequence 673155023

Date: 04/17/23 Reference: icp data
Sequence: MET09 04/17/23 Analyzed: 04/17/23 15:43

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	979893	233994
		LOWER LIMIT	293968	70198
		UPPER LIMIT	1959786	467987
011	ICB		962115	232327
013	ICSA		858737	204329
014	ICSAB		857578	204681
015	MS	QC1058782	831719	193956
016	MSD	QC1058783	841013	194768
017	SAMPLE	483371-006	840129	193023
018	SAMPLE	483371-007	830207	191536
019	SAMPLE	483371-010	866621	202171
020	SAMPLE	483371-011	833701	191613
021	SAMPLE	483371-012	859017	201480
022	BLANK	QC1059066	992998	236848
023	LCS	QC1059067	965524	226384
024	SAMPLE	483368-001	988352	228245
025	CCV		952017	223889
026	CCB		988470	233821
027	MSS	483426-001	968903	225105
028	MS	QC1059068	959221	221945
029	MSD	QC1059069	961314	221719
030	BLANK	QC1059037	948860	226903
031	LCS	QC1059038	917869	218321
032	SAMPLE	483345-001	918013	218449
033	MSS	483421-107	968247	230153
034	MS	QC1059039	922307	219434
035	MSD	QC1059040	920774	218867
036	SAMPLE	483427-001	930924	221911
037	CCV		964278	225803
038	CCB		998662	238276
039	SAMPLE	483427-003	937077	223858
040	SAMPLE	483427-004	940321	222895
041	SAMPLE	483427-006	937207	223944
042	SAMPLE	483427-009	937499	223092
043	SAMPLE	483437-008	940712	226206
044	BLANK	QC1059041	956509	227555
045	LCS	QC1059042	922920	219619
046	SAMPLE	483427-002	929754	221515
047	SAMPLE	483427-005	941600	225706
048	SAMPLE	483427-007	935141	222147
049	CCV		968799	226452
050	CCB		1005495	236955
051	MSS	483427-008	941706	225124
052	MS	QC1059043	927445	220510
053	MSD	QC1059044	921141	219724
054	BLANK	QC1059120	990112	231060
055	LCS	QC1059121	960925	226119
056	SAMPLE	483409-001	967207	227251
057	SAMPLE	483409-002	955419	223117
058	SAMPLE	483409-003	972106	226007
059	MSS	483423-001	980997	236685

Enthalpy Internal Standard Summary for Sequence 673155023

Date:	04/17/23	Reference:	icp data
Sequence:	MET09 04/17/23	Analyzed:	04/17/23 15:43

#	Type	Sample ID	Y A	Y R
060	MS	QC1059122	954931	199578
061	CCV		978623	225611
062	CCB		1026065	239774
063	MSD	QC1059123	949287	200003
064	SAMPLE	483423-002	902758	192074
065	SAMPLE	483423-003	871426	169959
066	SAMPLE	483423-004	910945	204320
067	SAMPLE	483423-005	886692	185252
068	SAMPLE	483423-006	908447	200448
069	SAMPLE	483423-007	921130	198430
070	SAMPLE	483423-008	1060095	270609
071	SAMPLE	483423-009	911115	188882
072	SAMPLE	483423-010	911607	177380
073	CCV		981336	227135
074	CCB		1009446	235288
075	SAMPLE	483423-011	1012913	231692
076	BLANK	QC1059124	996306	230285
077	LCS	QC1059125	965241	221670
078	SAMPLE	482725-001	961111	217065
079	SAMPLE	482725-002	959330	214371
080	MSS	483107-001	970302	219051
081	MS	QC1059126	967237	217465
082	MSD	QC1059127	968167	216466
083	SAMPLE	483107-002	961630	213411
084	SAMPLE	483422-001	973891	218287
085	CCV		964028	219500
086	CCB		1003524	230290
087	BLANK	QC1059112	1042867	234490
088	LCS	QC1059113	996088	225780
089	SAMPLE	483068-001	930650	201977
090	MSS	483268-001	953326	210474
091	MS	QC1059114	958823	212849
092	MSD	QC1059115	966280	213764
093	SAMPLE	483307-001	981034	220317
094	SAMPLE	483330-001	989448	219611
095	BLANK	QC1059061	947273	220558
096	LCS	QC1059062	935459	216448
097	CCV		969763	219651
098	CCB		1001243	228031
099	MSS	483380-005	920391	210990
100	MS	QC1059094	906338	207237
101	MSD	QC1059095	905680	207372
102	PDS	QC1059065	914917	208577
103	SAMPLE	483466-001	916630	208806
104	SAMPLE	483466-002	911955	209194
105	SAMPLE	483466-003	925865	210849
106	CCV		957926	217356
107	CCB		997355	229547
108	SAMPLE	483421-040	906777	206441
109	SAMPLE	483421-041	913798	206582
110	SAMPLE	483421-042	902253	204255
111	SAMPLE	483421-043	886281	201586

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#	Type	Sample ID	Y A	Y R
112	SAMPLE	483421-044	898890	205150
113	SAMPLE	483421-045	886204	202499
114	SAMPLE	483421-046	882027	201823
115	SAMPLE	483421-047	879926	200776
116	SAMPLE	483421-048	879852	200471
117	SAMPLE	483421-049	879679	199684
118	CCV		906584	205284
119	CCB		938189	215616
120	SAMPLE	483421-050	873636	199787
121	SAMPLE	483421-051	875469	200382
122	MSS	483440-001	870776	200706
123	MS	QC1058835	869193	199904
124	MSD	QC1058836	871560	201652
125	PDS	QC1058837	869885	200508
126	MSS	483421-013	874527	201161
127	MS	QC1058825	867969	198938
128	MSD	QC1058826	868359	198573
129	PDS	QC1058827	873534	200302
130	CCV		899906	204755
131	CCB		935114	216206
132	SAMPLE	483421-014	862031	198100
133	SAMPLE	483421-015	876543	201027
134	SAMPLE	483421-016	883061	203460
135	SAMPLE	483421-017	879800	202088
136	SAMPLE	483421-018	872140	200727
137	SAMPLE	483421-019	878503	201364
138	SAMPLE	483421-020	870337	199487
139	SAMPLE	483421-021	892464	205185
140	SAMPLE	483421-022	879987	201892
141	SAMPLE	483421-023	878893	201171
142	CCV		905879	205444
143	CCB		940328	214221
144	SAMPLE	483421-024	879833	201393
145	SAMPLE	483421-025	878970	201917
146	SAMPLE	483421-026	875222	199921
147	SAMPLE	483421-027	882542	201289
148	SAMPLE	483421-028	883575	202434
149	SAMPLE	483421-029	885526	201514
150	SAMPLE	483421-030	875978	200444
151	SAMPLE	483421-031	884986	201952
152	SAMPLE	483421-032	879299	200467
153	MSS	483421-052	880359	200239
154	CCV		907570	205099
155	CCB		944241	215576
156	MS	QC1058868	880404	200681
157	MSD	QC1058869	877464	199965
158	PDS	QC1058870	881938	199949
159	SAMPLE	483421-053	885279	201041
160	SAMPLE	483421-054	884407	201301
161	SAMPLE	483421-055	884655	200790
162	SAMPLE	483421-056	881453	199601
163	SAMPLE	483421-057	891011	200623

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#	Type	Sample ID	Y A	Y R
164	SAMPLE	483421-058	889968	201981
165	SAMPLE	483421-059	888614	200825
166	CCV		920609	205270
167	CCB		953949	215568
168	SAMPLE	483421-060	885729	199663
169	SAMPLE	483421-061	883704	199430
170	SAMPLE	483421-062	883726	199319
171	SAMPLE	483421-063	826577	191973
172	SAMPLE	483421-064	894452	201278
173	SAMPLE	483421-065	881644	199027
174	SAMPLE	483421-066	888286	200178
175	SAMPLE	483421-067	887407	200322
176	SAMPLE	483421-068	889428	199903
177	SAMPLE	483421-069	891718	200679
178	CCV		922761	205278
179	CCB		956273	215052
180	SAMPLE	483421-070	886923	199523
181	SAMPLE	483421-071	888315	199458
182	MSS	483421-072	894215	200169
183	MS	QC1058876	889372	199209
184	MSD	QC1058877	891178	199922
185	PDS	QC1058878	895314	200084
186	SAMPLE	483421-073	898676	201615
187	SAMPLE	483421-074	896304	201197
188	SAMPLE	483421-075	892937	200166
189	SAMPLE	483421-076	895230	199790
190	CCV		925761	204837
191	CCB		960813	213552
192	SAMPLE	483421-077	905939	204292
193	SAMPLE	483421-078	901149	201406
194	SAMPLE	483421-079	891814	200305
195	SAMPLE	483421-080	894999	200472
196	SAMPLE	483421-081	897580	201379
197	SAMPLE	483421-082	889376	198825
198	SAMPLE	483421-083	894847	200055
199	SAMPLE	483421-084	901844	201636
200	SAMPLE	483421-085	895293	200906
201	SAMPLE	483421-086	886447	198647
202	CCV		925212	204456
203	CCB		959115	211545
204	SAMPLE	483421-087	897893	202475
205	SAMPLE	483421-088	892618	200507
206	SAMPLE	483421-089	897374	200996
207	SAMPLE	483421-090	903197	202041
208	SAMPLE	483421-091	903616	201846
209	BLANK	QC1059012	949104	210601
210	LCS	QC1059013	922859	206261
211	SAMPLE	483434-001	923406	207434
212	SAMPLE	483434-002	910894	203704
213	SAMPLE	483434-003	915939	204314
214	CCV		924028	204015
215	CCB		959648	214055

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#	Type	Sample ID	Y A	Y R
216	SAMPLE	483434-004	921133	206135
217	SAMPLE	483434-005	926088	206205
218	SAMPLE	483434-006	946511	212946
219	SAMPLE	483434-007	916583	204729
220	SAMPLE	483434-008	928569	207707
221	SAMPLE	483434-009	942003	210899
222	SAMPLE	483434-010	956481	214365
223	MSS	483435-001	926535	207465
224	MS	QC1059014	909137	204217
225	MSD	QC1059015	920096	206495
226	CCV		923454	203938
227	CCB		942667	209418
228	PDS	QC1059016	924848	206797
229	SAMPLE	483435-002	954865	216445
230	SAMPLE	483435-003	920504	206891
231	SAMPLE	483435-004	925380	207804
232	SAMPLE	483435-005	925494	208407
233	SAMPLE	483435-006	939042	210172
234	SAMPLE	483435-007	926459	207999
235	SAMPLE	483435-008	922147	206588
236	SAMPLE	483435-009	924306	207289
237	SAMPLE	483435-010	945626	212148
238	CCV		922363	203864
239	CCB		2625926 *	471772 *
240	BLANK	QC1059017	963294	214369
241	LCS	QC1059018	930952	207581
242	SAMPLE	483367-001	918509	204501
243	MSS	483421-092	913971	204763
244	MS	QC1059019	903319	202678
245	MSD	QC1059020	907515	202646
246	PDS	QC1059021	911075	203142
247	SAMPLE	483421-093	923038	206588
248	SAMPLE	483421-094	920996	206044
249	SAMPLE	483421-095	916129	204253
250	CCV		925117	204181
251	CCB		958404	211987
252	SAMPLE	483421-096	911872	203969
253	SAMPLE	483421-097	916772	204752
254	SAMPLE	483421-098	918482	204961
255	SAMPLE	483421-099	917149	205191
256	SAMPLE	483421-100	929303	207423
257	SAMPLE	483421-101	919907	205880
258	SAMPLE	483421-102	917927	205073
259	SAMPLE	483421-103	912515	204662
260	SAMPLE	483421-104	916169	205518
261	SAMPLE	483421-105	919810	205254
262	CCV		926105	204298
263	CCB		963061	215950
264	SAMPLE	483421-106	921442	206151
265	SAMPLE	483441-001	904195	201861
266	SAMPLE	483441-011	926439	207534
267	SAMPLE	483441-012	917395	206011

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#	Type	Sample ID	Y A	Y R
268	SAMPLE	483441-013	920893	207006
269	CCV		923279	204622
270	CCB		962023	213702
271	PDS	QC1059016	929246	206076
272	SAMPLE	483435-002	960124	214478
273	SAMPLE	483435-003	924074	206201
274	SAMPLE	483435-004	930624	207958
275	SAMPLE	483435-005	931570	208524
276	SAMPLE	483435-006	941576	210756
277	SAMPLE	483435-007	932234	208601
278	SAMPLE	483435-008	930215	207971
279	SAMPLE	483435-009	926087	207580
280	SAMPLE	483435-010	946938	211659
281	CCV		930376	205401
282	CCB		961347	214866
283	BLANK	QC1059017	969983	217784
284	LCS	QC1059018	939653	209985
285	SAMPLE	483367-001	925874	206684
286	MSS	483421-092	917556	205556
287	MS	QC1059019	910991	203615
288	MSD	QC1059020	913756	204276
289	PDS	QC1059021	918438	205101
290	SAMPLE	483421-093	929513	207377
291	SAMPLE	483421-094	926564	206735
292	SAMPLE	483421-095	919178	205975
293	CCV		931984	206201
294	CCB		969198	214936
295	SAMPLE	483256-001	971231	214003
296	SAMPLE	483256-002	970347	213694
297	SAMPLE	483256-001	1000186	219644
298	SAMPLE	483256-002	1001734	220635
299	CCV		933503	206129
300	CCB		973754	218942
301	MSS	483440-001	896572	201438
302	MS	QC1058835	899630	202431
303	MSD	QC1058836	902692	203482
304	SAMPLE	483421-082	983376	217006
305	CCV		935402	206571
306	CCB		966379	215394
307	BLANK	QC1059144	921338	206388
308	LCS	QC1059145	914627	203094
309	MSS	483433-001	937291	208982
310	MS	QC1059146	949275	211883
311	MSD	QC1059147	923355	206639
312	PDS	QC1059148	935603	209579
313	SAMPLE	483433-002	902568	202166
314	SAMPLE	483433-003	1001270	224043
315	SAMPLE	483433-004	916833	205309
316	SAMPLE	483433-005	898137	202419
317	CCV		922946	203014
318	CCB		954756	212278
319	SAMPLE	483433-006	1016206	228004

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#	Type	Sample ID	Y A	Y R
320	SAMPLE	483433-007	945987	214841
321	SAMPLE	483433-008	943663	212042
322	SAMPLE	483433-009	930011	209966
323	SAMPLE	483433-010	906560	203711
324	SAMPLE	483436-001	932678	211243
325	SAMPLE	483436-002	937632	211066
326	SAMPLE	483436-003	904616	204510
327	SAMPLE	483436-004	935435	211364
328	SAMPLE	483436-005	928703	210216
329	CCV		920560	202217
330	CCB		956644	210549
331	SAMPLE	483436-006	914664	205918
332	SAMPLE	483436-007	924443	207992
333	SAMPLE	483436-008	913751	205789
334	SAMPLE	483436-009	895468	201555
335	SAMPLE	483436-010	902044	202380
336	BLANK	QC1059327	953709	212539
337	LCS	QC1059328	932472	206656
338	MSS	483487-001	973270	214095
339	MS	QC1059332	964233	210642
340	MSD	QC1059333	962946	210468
341	CCV		918780	203769
342	CCB		955334	210835
343	SAMPLE	483487-002	993053	218925
344	SAMPLE	483487-003	962754	212977
345	SAMPLE	483489-001	967722	212208
346	SAMPLE	483489-002	971077	213255
347	CCV		917680	203594
348	CCB		954192	214673
349	SAMPLE	483437-002	912899	205928
350	SAMPLE	483437-003	899803	202681
351	SAMPLE	483437-004	900150	203130
352	SAMPLE	483437-005	903298	204272
353	SAMPLE	483437-006	923839	210460
354	SAMPLE	483437-007	895205	203082
355	SAMPLE	483441-014	894975	203314
356	SAMPLE	483441-015	885570	201429
357	SAMPLE	483450-001	904336	206212
358	SAMPLE	483461-001	893853	203540
359	CCV		935410	207289
360	CCB		949054	215288
361	SAMPLE	483461-002	899046	206450
362	SAMPLE	483461-003	904142	207264
363	SAMPLE	483461-004	898407	206385
364	SAMPLE	483462-001	866250	195364
365	BLANK	QC1059183	1007670	225265
366	LCS	QC1059184	927473	210949
367	SAMPLE	483151-001	919277	211052
368	MSS	483497-001	909118	207738
369	MS	QC1059272	905292	206348
370	MSD	QC1059273	904217	206590
371	CCV		912347	206132

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#	Type	Sample ID	Y A	Y R
372	CCB		947748	213978
373	PDS	QC1059274	901461	206083
374	SAMPLE	483497-002	912773	208967
375	SAMPLE	483497-003	908336	208193
376	SAMPLE	483497-004	907632	207789
377	SAMPLE	483497-005	899578	205012
378	CCV		909016	205529
379	CCB		943718	214615
380	BLANK	QC1059183	992411	224162
381	BLANK	QC1059275	944896	216471
382	LCS	QC1059276	922440	212194
383	MSS	483411-001	924467	211237
384	MS	QC1059277	915756	209886
385	MSD	QC1059278	908010	208179
386	PDS	QC1059279	916444	209576
387	SAMPLE	483411-002	914635	210115
388	SAMPLE	483411-010	918448	211498
389	SAMPLE	483411-011	918718	210931
390	CCV		913063	207595
391	CCB		942143	216361
392	BLANK	QC1059329	955558	218596
393	LCS	QC1059369	934279	211121
394	SAMPLE	483499-001	929197	209552
395	SAMPLE	483499-002	933306	209493
396	MSS	483500-002	940478	210038
397	MS	QC1059370	939825	210337
398	MSD	QC1059371	941116	210888
399	SAMPLE	483498-001	964460	218236
400	SAMPLE	483500-001	970169	218138
401	SAMPLE	483503-001	968108	218319
402	CCV		926468	209884
403	CCB		961457	218126
404	BLANK	QC1059304	885466	207714
405	BS	QC1059305	882942	203839
406	BSD	QC1059306	879221	203312
407	SAMPLE	483449-002	875992	200362
408	SAMPLE	483449-004	877265	202140
409	SAMPLE	483449-006	878274	204163
410	SAMPLE	483449-007	878766	204151
411	SAMPLE	483449-009	877446	203084
412	SAMPLE	483449-010	885318	202115
413	SAMPLE	483449-013	881654	203875
414	CCV		934693	211011
415	CCB		967338	220419
416	SAMPLE	483449-015	890279	203520
417	SAMPLE	483449-018	884957	205006
418	SAMPLE	483449-020	873382	201659
419	SAMPLE	483449-022	876120	202387
420	SAMPLE	483449-024	868217	200249
421	SAMPLE	483488-002	887700	204012
422	SAMPLE	483488-004	870406	200482
423	SAMPLE	483488-006	864579	200483

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#	Type	Sample ID	Y A	Y R
424	SAMPLE	483488-008	862990	197554
425	SAMPLE	483488-010	876209	201710
426	CCV		927994	208846
427	CCB		964298	219143
428	SAMPLE	483488-012	890911	204394
429	SAMPLE	483488-014	878106	201414
430	SAMPLE	483488-016	913146	211028
431	BLANK	QC1059323	956234	216414
432	LCS	QC1059324	935422	214806
433	MSS	483523-001	920751	210081
434	MS	QC1059325	904378	207204
435	MSD	QC1059326	913464	209417
436	PDS	QC1059415	938840	213184
437	SAMPLE	483523-002	926479	212652
438	CCV		933754	211421
439	CCB		974533	222271
440	SAMPLE	483523-003	925951	211930
441	SAMPLE	483523-004	924123	211984
442	BLANK	QC1059307	895535	208073
443	BS	QC1059308	887626	203782
444	BSD	QC1059309	886284	206482
445	SAMPLE	483488-018	875244	201261
446	SAMPLE	483488-021	878049	201688
447	SAMPLE	483488-023	878222	200909
448	SAMPLE	483488-025	872304	200718
449	SAMPLE	483488-026	890269	203734
450	CCV		941165	210076
451	CCB		976193	220314
452	SAMPLE	483488-028	888505	203722
453	SAMPLE	483488-030	894020	203033
454	SAMPLE	483492-002	875682	200751
455	SAMPLE	483492-004	884999	204345
456	SAMPLE	483492-006	883050	202864
457	SAMPLE	483492-008	880442	201769
458	SAMPLE	483492-009	880622	200188
459	SAMPLE	483492-011	879140	202005
460	SAMPLE	483492-014	883624	203656
461	SAMPLE	483492-016	882675	202671
462	CCV		948408	211297
463	CCB		982613	219490
464	SAMPLE	483492-018	879478	200629
465	SAMPLE	483492-020	879342	201497
466	SAMPLE	483492-022	875071	199987
467	SAMPLE	483492-024	883109	202725
468	SAMPLE	483492-026	880874	200139
474	CCV		958674	212897
475	CCB		987533	222979
481	BLANK	QC1059382	955992	217636
482	LCS	QC1059403	942140	214587
483	LCS	QC1059324	960916	216750
484	MSS	482859-001	919094	209603
485	MS	QC1059404	915404	208500

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#	Type	Sample ID	Y A	Y R
486	MSD	QC1059405	914984	209006
487	CCV		949125	211387
488	CCB		984121	219205
489	PDS	QC1059406	920914	209032
490	SAMPLE	483455-001	938875	210539
491	SAMPLE	483455-002	928746	209123
492	SAMPLE	483455-003	923785	207993
493	SAMPLE	483455-004	908995	203329
494	SAMPLE	483455-005	904606	202151
495	SAMPLE	483455-006	925549	206267
496	SAMPLE	483455-007	932124	210823
497	SAMPLE	483461-005	922286	208664
498	SAMPLE	483461-006	928976	210039
499	SAMPLE	483461-007	924543	209879
500	CCV		952614	210852
501	CCB		983010	221922
502	SAMPLE	483461-008	925471	209345
503	SAMPLE	483482-001	916496	205688
504	SAMPLE	483482-002	915175	205232
505	BLANK	QC1059310	906379	208372
506	BS	QC1059311	903263	207843
507	BSD	QC1059312	898085	203628
508	SAMPLE	483492-028	903188	204237
509	SAMPLE	483492-031	898174	204410
510	SAMPLE	483492-033	904552	204327
511	CCV		948203	210045
512	CCB		982295	219437
513	SAMPLE	483492-035	903056	206198
514	SAMPLE	483492-037	901119	205664
515	SAMPLE	483492-039	913079	205573
516	SAMPLE	483492-041	898883	203886
517	SAMPLE	483492-043	899489	204440
518	SAMPLE	483492-044	890866	200119
519	SAMPLE	483492-046	896611	203762
520	SAMPLE	483492-048	894224	201027
521	SAMPLE	483492-050	894358	203359
522	SAMPLE	483492-052	904794	204015
523	CCV		952948	210853
524	CCB		989210	223599
525	SAMPLE	483492-054	900719	203179
526	SAMPLE	483492-056	901534	203824
527	SAMPLE	483492-058	887865	201656
528	SAMPLE	483492-060	905106	205519
529	SAMPLE	483492-062	933784	211190
530	SAMPLE	483492-064	900275	203509
531	SAMPLE	483492-065	894848	202306
532	CCV		954891	210813
533	CCB		988145	220994

ENTHALPY INITIAL CALIBRATION FOR 483449 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	673155023001	Date:	17-APR-2023 15:43
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	673155023002	L1	17-APR-2023 15:46	S18211
L2	icp data	673155023003	L2	17-APR-2023 15:49	S18210
L3	icp data	673155023004	L3	17-APR-2023 15:52	S18209
L4	icp data	673155023005	L4	17-APR-2023 15:56	S18208
L5	icp data	673155023006	L5	17-APR-2023 15:59	S18207
L6	icp data	673155023007	L6	17-APR-2023 16:02	S18171

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.05419	9.64E-5		-29710	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	-163651	-48562	4090.2	9237.2	10319	10310

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	**-52**	0.0100	**-26**	0.1000	-6	1.0000	-6	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09		
Calnum:	673155023001	Cal Date:	17-APR-2023

- ICV 673155023010 (17-APR-2023) stds: S18219

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.012	mg/L	1	10	

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023011	File:	icp data	Time:	17-APR-2023 16:15
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	962115	-1.81
Yttrium	R	233994	232327	-0.71

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023013	File:	icp data	Time:	17-APR-2023 16:22
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S17961

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.007288]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	389.2	mg/L	97	
Aluminum as Al2O3	A	755.8	735.4	mg/L	97	
Iron	A	160.0	151.5	mg/L	95	
Iron as Fe2O3	A	228.8	216.5	mg/L	95	
Calcium	R	400.0	397.5	mg/L	99	
Calcium as CaCO3	R	998.9	992.5	mg/L	99	
Magnesium	R	400.0	404.6	mg/L	101	
Magnesium as MgCO3	R	1388	1403	mg/L	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	858737	-12.36
Yttrium	R	233994	204329	-12.68

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023014	File:	icp data	Time:	17-APR-2023 16:25
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18242

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.088	mg/L	9	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	857578	-12.48
Yttrium	R	233994	204681	-12.53

ENTHALPY CONTINUING CALIBRATION FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023402	File:	icp data	Time:	18-APR-2023 17:43
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18219

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	-29710	9963.2	1.000	1.039	mg/L	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	926468	-5.45
Yttrium	R	233994	209884	-10.30

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023403	File:	icp data	Time:	18-APR-2023 17:46
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	961457	-1.88
Yttrium	R	233994	218126	-6.78

ENTHALPY CONTINUING CALIBRATION FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023414	File:	icp data	Time:	18-APR-2023 18:22
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18219

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	-29710	10032	1.000	1.046	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	934693	-4.61
Yttrium	R	233994	211011	-9.82

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023415	File:	icp data	Time:	18-APR-2023 18:25
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	967338	-1.28
Yttrium	R	233994	220419	-5.80

ENTHALPY CONTINUING CALIBRATION FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023426	File:	icp data	Time:	18-APR-2023 19:01
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18219

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	-29710	9884.3	1.000	1.031	mg/L	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	927994	-5.30
Yttrium	R	233994	208846	-10.75

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023427	File:	icp data	Time:	18-APR-2023 19:04
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	964298	-1.59
Yttrium	R	233994	219143	-6.35

SAMPLE PREPARATION SUMMARY

Batch #:	311981	Method:	3050B	Analysis:	ICP
Started By:	MLL	Prep Date:	18-APR-2023 12:15	Finished By:	KLN

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S17422	Spike S18016	Analysis
483449-002	Wipe	1 ft2	50 mL	50.0				6010
483449-004	Wipe	1 ft2	50 mL	50.0				6010
483449-006	Wipe	1 ft2	50 mL	50.0				6010
483449-007	Wipe	1 ft2	50 mL	50.0				6010
483449-009	Wipe	1 ft2	50 mL	50.0				6010
483449-010	Wipe	1 ft2	50 mL	50.0				6010
483449-013	Wipe	1 ft2	50 mL	50.0				6010
483449-015	Wipe	1 ft2	50 mL	50.0				6010
483449-018	Wipe	1 ft2	50 mL	50.0				6010
483449-020	Wipe	1 ft2	50 mL	50.0				6010
483449-022	Wipe	1 ft2	50 mL	50.0				6010
483449-024	Wipe	1 ft2	50 mL	50.0				6010
483488-002	Wipe	1 ft2	50 mL	50.0				6010
483488-004	Wipe	1.138 ft2	50 mL	43.94				6010
483488-006	Wipe	1 ft2	50 mL	50.0				6010
483488-008	Wipe	1 ft2	50 mL	50.0				6010
483488-010	Wipe	1 ft2	50 mL	50.0				6010
483488-012	Wipe	1.02 ft2	50 mL	49.02				6010
483488-014	Wipe	1.04 ft2	50 mL	48.08				6010
483488-016	Wipe	1.138 ft2	50 mL	43.94				6010
QC1059304 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1059305 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1059306 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: THP 04/18/23

Reviewer: MCP 04/19/23

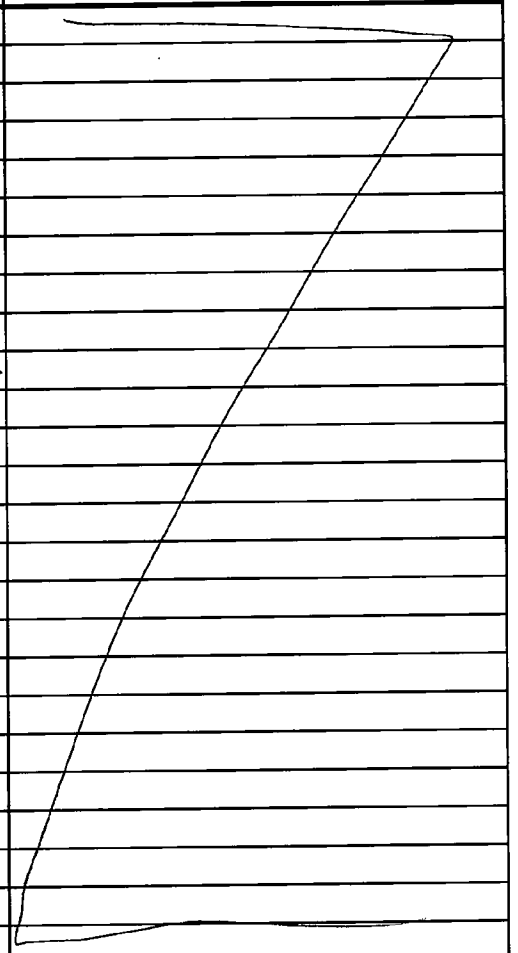
ICP Prep Log for Soils

Initials: ML Prep Method: 3050B QC Batch #: 311981 Therm ID/Corr Factor: 942650 / 0

Prep Start, Date/Time: 4/18/23 12:15 Prep End, Date/Time: 4/18/23 14:05 HotBlock Temp (Obs/Cor), °C: 92 / 92

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	—	NA	50	~~MT~~ ML0015 0000063	
LCS	-----	-----	-----	—			ML 4/18/23	
LCSD				—				
483449-2	A	n/a	wipe	whole wipe				
-4								
-6								
ML 4/18/23 -8								
-9								
-10								
-13								
-15								
-18								
-20								
-22								
-24								
488-2								
-4								
-6								
-8								
-10								
-12								
-14								
-16								



Hydrochloric Acid ID: 5ml 2244924

Nitric Acid ID: 10ml 20220718I9

H_2O_2 ID: 3ml 031003

LCS Spike ID: ML 4/18/23 0.5 0.5 mL S17422, S18016

MS/MSD Spike ID: N/A

ICP Raw Data

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				04/17/23 15:43	1.0		
002	icp data	ICAL	L1			04/17/23 15:46	1.0	1	
003	icp data	ICAL	L2			04/17/23 15:49	1.0	2	
004	icp data	ICAL	L3			04/17/23 15:52	1.0	3	
005	icp data	ICAL	L4			04/17/23 15:56	1.0	4	
006	icp data	ICAL	L5			04/17/23 15:59	1.0	5	
007	icp data	ICAL	L6			04/17/23 16:02	1.0	6	
008	icp data	ICAL	L7			04/17/23 16:05	1.0	7	
009	icp data	ICAL	L8			04/17/23 16:09	1.0	8	
010	icp data	ICV				04/17/23 16:12	1.0	9	
011	icp data	ICB				04/17/23 16:15	1.0		
012	icp data	CRI				04/17/23 16:18	1.0	10	
013	icp data	ICSA				04/17/23 16:22	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				04/17/23 16:25	1.0	12	6:MGASMGCO3=1500
015	icp data	MS	QC1058782	Water	311835	04/17/23 16:28	1.0	13	3:NA=1600
016	icp data	MSD	QC1058783	Water	311835	04/17/23 16:31	1.0	13	3:NA=1600
017	icp data	SAMPLE	483371-006	Water	311836	04/17/23 16:35	1.0	13	2:NA=2000
018	icp data	SAMPLE	483371-007	Water	311836	04/17/23 16:38	1.0	13	2:NA=2500
019	icp data	SAMPLE	483371-010	Water	311836	04/17/23 16:41	1.0	13	
020	icp data	SAMPLE	483371-011	Water	311836	04/17/23 16:44	1.0	13	2:NA=2500
021	icp data	SAMPLE	483371-012	Water	311836	04/17/23 16:48	1.0	13	
022	icp data	BLANK	QC1059066	Drinking Water	311914	04/17/23 16:51	1.0	13	
023	icp data	LCS	QC1059067	Drinking Water	311914	04/17/23 16:54	1.0	13	
024	icp data	SAMPLE	483368-001	Drinking Water	311914	04/17/23 16:57	1.0	13	
025	icp data	CCV				04/17/23 17:01	1.0	9	
026	icp data	CCB				04/17/23 17:04	1.0		
027	icp data	MSS	483426-001	Drinking Water	311914	04/17/23 17:07	1.0	13	
028	icp data	MS	QC1059068	Drinking Water	311914	04/17/23 17:10	1.0	13	
029	icp data	MSD	QC1059069	Drinking Water	311914	04/17/23 17:14	1.0	13	
030	icp data	BLANK	QC1059037	Water	311906	04/17/23 17:17	1.0	13	
031	icp data	LCS	QC1059038	Water	311906	04/17/23 17:20	1.0	13	
032	icp data	SAMPLE	483345-001	Water	311906	04/17/23 17:23	1.0	13	
033	icp data	MSS	483421-107	Water	311906	04/17/23 17:27	1.0	13	
034	icp data	MS	QC1059039	Water	311906	04/17/23 17:30	1.0	13	
035	icp data	MSD	QC1059040	Water	311906	04/17/23 17:33	1.0	13	
036	icp data	SAMPLE	483427-001	Water	311906	04/17/23 17:36	1.0	13	
037	icp data	CCV				04/17/23 17:40	1.0	9	
038	icp data	CCB				04/17/23 17:43	1.0		
039	icp data	SAMPLE	483427-003	Water	311906	04/17/23 17:46	1.0	13	
040	icp data	SAMPLE	483427-004	Water	311906	04/17/23 17:49	1.0	13	
041	icp data	SAMPLE	483427-006	Water	311906	04/17/23 17:52	1.0	13	
042	icp data	SAMPLE	483427-009	Water	311906	04/17/23 17:56	1.0	13	
043	icp data	SAMPLE	483437-008	Water	311906	04/17/23 17:59	1.0	13	
044	icp data	BLANK	QC1059041	Water	311907	04/17/23 18:02	1.0	13	
045	icp data	LCS	QC1059042	Water	311907	04/17/23 18:05	1.0	13	
046	icp data	SAMPLE	483427-002	Water	311907	04/17/23 18:09	1.0	13	2:FE=45
047	icp data	SAMPLE	483427-005	Water	311907	04/17/23 18:12	1.0	13	
048	icp data	SAMPLE	483427-007	Water	311907	04/17/23 18:15	1.0	13	
049	icp data	CCV				04/17/23 18:18	1.0	9	
050	icp data	CCB				04/17/23 18:22	1.0		

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
051	icp data	MSS	483427-008	Water	311907	04/17/23 18:25	1.0	13	
052	icp data	MS	QC1059043	Water	311907	04/17/23 18:28	1.0	13	
053	icp data	MSD	QC1059044	Water	311907	04/17/23 18:31	1.0	13	
054	icp data	BLANK	QC1059120	Filtrate	311928	04/17/23 18:35	1.0	13	
055	icp data	LCS	QC1059121	Filtrate	311928	04/17/23 18:38	1.0	13	
056	icp data	SAMPLE	483409-001	Filtrate	311928	04/17/23 18:41	1.0	13	
057	icp data	SAMPLE	483409-002	Filtrate	311928	04/17/23 18:44	1.0	13	
058	icp data	SAMPLE	483409-003	Filtrate	311928	04/17/23 18:47	1.0	13	
059	icp data	MSS	483423-001	Filtrate	311928	04/17/23 18:51	1.0	13	4:MGASMGCO3=1600
060	icp data	MS	QC1059122	Filtrate	311928	04/17/23 18:54	1.0	13	4:MGASMGCO3=1900
061	icp data	CCV				04/17/23 18:57	1.0	9	
062	icp data	CCB				04/17/23 19:00	1.0		
063	icp data	MSD	QC1059123	Filtrate	311928	04/17/23 19:04	1.0	13	4:MGASMGCO3=1800
064	icp data	SAMPLE	483423-002	Filtrate	311928	04/17/23 19:07	1.0	13	2:NA=1200
065	icp data	SAMPLE	483423-003	Filtrate	311928	04/17/23 19:10	1.0	13	3:NA=1400
066	icp data	SAMPLE	483423-004	Filtrate	311928	04/17/23 19:13	1.0	13	
067	icp data	SAMPLE	483423-005	Filtrate	311928	04/17/23 19:17	1.0	13	2:NA=1200
068	icp data	SAMPLE	483423-006	Filtrate	311928	04/17/23 19:20	1.0	13	1:FE=25
069	icp data	SAMPLE	483423-007	Filtrate	311928	04/17/23 19:23	1.0	13	
070	icp data	SAMPLE	483423-008	Filtrate	311928	04/17/23 19:26	1.0	13	3:FE=220
071	icp data	SAMPLE	483423-009	Filtrate	311928	04/17/23 19:30	1.0	13	1:FE=100
072	icp data	SAMPLE	483423-010	Filtrate	311928	04/17/23 19:33	1.0	13	
073	icp data	CCV				04/17/23 19:36	1.0	9	
074	icp data	CCB				04/17/23 19:39	1.0		
075	icp data	SAMPLE	483423-011	Filtrate	311928	04/17/23 19:43	1.0	13	
076	icp data	BLANK	QC1059124	Filtrate	311929	04/17/23 19:46	1.0	13	
077	icp data	LCS	QC1059125	Filtrate	311929	04/17/23 19:49	1.0	13	
078	icp data	SAMPLE	482725-001	Filtrate	311929	04/17/23 19:52	1.0	13	
079	icp data	SAMPLE	482725-002	Filtrate	311929	04/17/23 19:55	1.0	13	
080	icp data	MSS	483107-001	Filtrate	311929	04/17/23 19:59	1.0	13	
081	icp data	MS	QC1059126	Filtrate	311929	04/17/23 20:02	1.0	13	
082	icp data	MSD	QC1059127	Filtrate	311929	04/17/23 20:05	1.0	13	
083	icp data	SAMPLE	483107-002	Filtrate	311929	04/17/23 20:08	1.0	13	
084	icp data	SAMPLE	483422-001	Filtrate	311929	04/17/23 20:12	1.0	13	
085	icp data	CCV				04/17/23 20:15	1.0	9	
086	icp data	CCB				04/17/23 20:18	1.0		
087	icp data	BLANK	QC1059112	Water	311927	04/17/23 20:21	1.0	13	
088	icp data	LCS	QC1059113	Water	311927	04/17/23 20:25	1.0	13	
089	icp data	SAMPLE	483068-001	Water	311927	04/17/23 20:28	1.0	13	1:B=28
090	icp data	MSS	483268-001	Water	311927	04/17/23 20:31	1.0	13	1:NA=1200
091	icp data	MS	QC1059114	Water	311927	04/17/23 20:34	1.0	13	1:NA=1200
092	icp data	MSD	QC1059115	Water	311927	04/17/23 20:37	1.0	13	1:NA=1200
093	icp data	SAMPLE	483307-001	Water	311927	04/17/23 20:41	1.0	13	
094	icp data	SAMPLE	483330-001	Water	311927	04/17/23 20:44	1.0	13	
095	icp data	BLANK	QC1059061	Soil	311913	04/17/23 20:47	1.0	13	
096	icp data	LCS	QC1059062	Soil	311913	04/17/23 20:50	1.0	13	
097	icp data	CCV				04/17/23 20:54	1.0	9	
098	icp data	CCB				04/17/23 20:57	1.0		
099	icp data	MSS	483380-005	Soil	311913	04/17/23 21:00	1.0	13	5:ALASAL2O3=360
100	icp data	MS	QC1059094	Soil	311913	04/17/23 21:03	1.0	13	5:ALASAL2O3=362

Instrument: MET09 Begun: 04/17/23 15:43
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
101	icp data	MSD	QC1059095	Soil	311913	04/17/23 21:07	1.0	13	5:ALASAL2O3=430
102	icp data	PDS	QC1059065	Soil	311913	04/17/23 21:10	1.0	13	5:ALASAL2O3=350
103	icp data	SAMPLE	483466-001	Soil	311913	04/17/23 21:13	1.0	13	3:FE=150
104	icp data	SAMPLE	483466-002	Soil	311913	04/17/23 21:16	1.0	13	3:FE=180
105	icp data	SAMPLE	483466-003	Soil	311913	04/17/23 21:20	1.0	13	3:FE=170
106	icp data	CCV				04/17/23 21:23	1.0	9	
107	icp data	CCB				04/17/23 21:26	1.0		
108	icp data	SAMPLE	483421-040	Soil	311848	04/17/23 22:20	1.0	13	3:FE=270
109	icp data	SAMPLE	483421-041	Soil	311848	04/17/23 22:23	1.0	13	3:FE=250
110	icp data	SAMPLE	483421-042	Soil	311848	04/17/23 22:27	1.0	13	3:FE=260
111	icp data	SAMPLE	483421-043	Soil	311848	04/17/23 22:30	1.0	13	3:FE=270
112	icp data	SAMPLE	483421-044	Soil	311848	04/17/23 22:33	1.0	13	3:FE=260
113	icp data	SAMPLE	483421-045	Soil	311848	04/17/23 22:36	1.0	13	3:FE=280
114	icp data	SAMPLE	483421-046	Soil	311848	04/17/23 22:39	1.0	13	3:FE=230
115	icp data	SAMPLE	483421-047	Soil	311848	04/17/23 22:43	1.0	13	3:FE=260
116	icp data	SAMPLE	483421-048	Soil	311848	04/17/23 22:46	1.0	13	3:FE=260
117	icp data	SAMPLE	483421-049	Soil	311848	04/17/23 22:49	1.0	13	3:FE=310
118	icp data	CCV				04/17/23 22:52	1.0	9	
119	icp data	CCB				04/17/23 22:56	1.0		
120	icp data	SAMPLE	483421-050	Soil	311848	04/17/23 22:59	1.0	13	3:FE=290
121	icp data	SAMPLE	483421-051	Soil	311848	04/17/23 23:02	1.0	13	3:FE=240
122	icp data	MSS	483440-001	Soil	311848	04/17/23 23:05	1.0	13	4:ALASAL2O3=300
123	icp data	MS	QC1058835	Soil	311848	04/17/23 23:09	1.0	13	5:ALASAL2O3=320
124	icp data	MSD	QC1058836	Soil	311848	04/17/23 23:12	1.0	13	5:ALASAL2O3=300
125	icp data	PDS	QC1058837	Soil	311848	04/17/23 23:15	1.0	13	4:ALASAL2O3=300
126	icp data	MSS	483421-013	Soil	311846	04/17/23 23:18	1.0	13	7:ALASAL2O3=430
127	icp data	MS	QC1058825	Soil	311846	04/17/23 23:22	1.0	13	7:ALASAL2O3=480
128	icp data	MSD	QC1058826	Soil	311846	04/17/23 23:25	1.0	13	7:ALASAL2O3=470
129	icp data	PDS	QC1058827	Soil	311846	04/17/23 23:28	1.0	13	7:ALASAL2O3=420
130	icp data	CCV				04/17/23 23:31	1.0	9	
131	icp data	CCB				04/17/23 23:35	1.0		
132	icp data	SAMPLE	483421-014	Soil	311846	04/17/23 23:38	1.0	13	3:FE=260
133	icp data	SAMPLE	483421-015	Soil	311846	04/17/23 23:41	1.0	13	3:FE=260
134	icp data	SAMPLE	483421-016	Soil	311846	04/17/23 23:44	1.0	13	3:FE=270
135	icp data	SAMPLE	483421-017	Soil	311846	04/17/23 23:47	1.0	13	3:FE=270
136	icp data	SAMPLE	483421-018	Soil	311846	04/17/23 23:51	1.0	13	3:FE=250
137	icp data	SAMPLE	483421-019	Soil	311846	04/17/23 23:54	1.0	13	3:FE=270
138	icp data	SAMPLE	483421-020	Soil	311846	04/17/23 23:57	1.0	13	3:FE=270
139	icp data	SAMPLE	483421-021	Soil	311846	04/18/23 00:00	1.0	13	3:FE=210
140	icp data	SAMPLE	483421-022	Soil	311846	04/18/23 00:04	1.0	13	3:FE=260
141	icp data	SAMPLE	483421-023	Soil	311846	04/18/23 00:07	1.0	13	3:FE=280
142	icp data	CCV				04/18/23 00:10	1.0	9	
143	icp data	CCB				04/18/23 00:13	1.0		
144	icp data	SAMPLE	483421-024	Soil	311846	04/18/23 00:17	1.0	13	3:FE=250
145	icp data	SAMPLE	483421-025	Soil	311846	04/18/23 00:20	1.0	13	3:FE=200
146	icp data	SAMPLE	483421-026	Soil	311846	04/18/23 00:23	1.0	13	3:FE=240
147	icp data	SAMPLE	483421-027	Soil	311846	04/18/23 00:26	1.0	13	3:FE=260
148	icp data	SAMPLE	483421-028	Soil	311846	04/18/23 00:30	1.0	13	3:FE=270
149	icp data	SAMPLE	483421-029	Soil	311846	04/18/23 00:33	1.0	13	3:FE=270
150	icp data	SAMPLE	483421-030	Soil	311846	04/18/23 00:36	1.0	13	3:FE=270

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
151	icp data	SAMPLE	483421-031	Soil	311846	04/18/23 00:39	1.0	13	3:FE=260
152	icp data	SAMPLE	483421-032	Soil	311846	04/18/23 00:43	1.0	13	3:FE=270
153	icp data	MSS	483421-052	Soil	311858	04/18/23 00:46	1.0	13	7:ALASAL2O3=420
154	icp data	CCV				04/18/23 00:49	1.0	9	
155	icp data	CCB				04/18/23 00:52	1.0		
156	icp data	MS	QC1058868	Soil	311858	04/18/23 00:55	1.0	13	7:ALASAL2O3=470
157	icp data	MSD	QC1058869	Soil	311858	04/18/23 00:59	1.0	13	7:ALASAL2O3=480
158	icp data	PDS	QC1058870	Soil	311858	04/18/23 01:02	1.0	13	7:ALASAL2O3=420
159	icp data	SAMPLE	483421-053	Soil	311858	04/18/23 01:05	1.0	13	3:FE=220
160	icp data	SAMPLE	483421-054	Soil	311858	04/18/23 01:08	1.0	13	3:FE=290
161	icp data	SAMPLE	483421-055	Soil	311858	04/18/23 01:12	1.0	13	3:FE=270
162	icp data	SAMPLE	483421-056	Soil	311858	04/18/23 01:15	1.0	13	3:FE=270
163	icp data	SAMPLE	483421-057	Soil	311858	04/18/23 01:18	1.0	13	3:FE=300
164	icp data	SAMPLE	483421-058	Soil	311858	04/18/23 01:21	1.0	13	3:FE=280
165	icp data	SAMPLE	483421-059	Soil	311858	04/18/23 01:25	1.0	13	3:FE=270
166	icp data	CCV				04/18/23 01:28	1.0	9	
167	icp data	CCB				04/18/23 01:31	1.0		
168	icp data	SAMPLE	483421-060	Soil	311858	04/18/23 01:34	1.0	13	3:FE=250
169	icp data	SAMPLE	483421-061	Soil	311858	04/18/23 01:38	1.0	13	3:FE=260
170	icp data	SAMPLE	483421-062	Soil	311858	04/18/23 01:41	1.0	13	3:FE=280
171	icp data	SAMPLE	483421-063	Soil	311858	04/18/23 01:44	1.0	13	2:CU=130
172	icp data	SAMPLE	483421-064	Soil	311858	04/18/23 01:47	1.0	13	4:FE=280
173	icp data	SAMPLE	483421-065	Soil	311858	04/18/23 01:50	1.0	13	3:FE=280
174	icp data	SAMPLE	483421-066	Soil	311858	04/18/23 01:54	1.0	13	3:FE=270
175	icp data	SAMPLE	483421-067	Soil	311858	04/18/23 01:57	1.0	13	3:FE=170
176	icp data	SAMPLE	483421-068	Soil	311858	04/18/23 02:00	1.0	13	3:FE=280
177	icp data	SAMPLE	483421-069	Soil	311858	04/18/23 02:03	1.0	13	3:FE=290
178	icp data	CCV				04/18/23 02:07	1.0	9	
179	icp data	CCB				04/18/23 02:10	1.0		
180	icp data	SAMPLE	483421-070	Soil	311858	04/18/23 02:13	1.0	13	3:FE=280
181	icp data	SAMPLE	483421-071	Soil	311858	04/18/23 02:16	1.0	13	3:FE=270
182	icp data	MSS	483421-072	Soil	311859	04/18/23 02:20	1.0	13	7:ALASAL2O3=470
183	icp data	MS	QC1058876	Soil	311859	04/18/23 02:23	1.0	13	7:CAASCACO3=540
184	icp data	MSD	QC1058877	Soil	311859	04/18/23 02:26	1.0	13	7:CAASCACO3=510
185	icp data	PDS	QC1058878	Soil	311859	04/18/23 02:29	1.0	13	7:ALASAL2O3=460
186	icp data	SAMPLE	483421-073	Soil	311859	04/18/23 02:33	1.0	13	3:FE=250
187	icp data	SAMPLE	483421-074	Soil	311859	04/18/23 02:36	1.0	13	3:FE=290
188	icp data	SAMPLE	483421-075	Soil	311859	04/18/23 02:39	1.0	13	3:FE=280
189	icp data	SAMPLE	483421-076	Soil	311859	04/18/23 02:42	1.0	13	3:FE=280
190	icp data	CCV				04/18/23 02:45	1.0	9	
191	icp data	CCB				04/18/23 02:49	1.0		
192	icp data	SAMPLE	483421-077	Soil	311859	04/18/23 02:52	1.0	13	3:FE=190
193	icp data	SAMPLE	483421-078	Soil	311859	04/18/23 02:55	1.0	13	3:FE=270
194	icp data	SAMPLE	483421-079	Soil	311859	04/18/23 02:58	1.0	13	3:FE=270
195	icp data	SAMPLE	483421-080	Soil	311859	04/18/23 03:02	1.0	13	3:FE=240
196	icp data	SAMPLE	483421-081	Soil	311859	04/18/23 03:05	1.0	13	3:FE=210
197	icp data	SAMPLE	483421-082	Soil	311859	04/18/23 03:08	1.0	13	4:FE=270
198	icp data	SAMPLE	483421-083	Soil	311859	04/18/23 03:11	1.0	13	3:FE=280
199	icp data	SAMPLE	483421-084	Soil	311859	04/18/23 03:15	1.0	13	3:FE=200
200	icp data	SAMPLE	483421-085	Soil	311859	04/18/23 03:18	1.0	13	3:FE=270

Instrument: MET09 Begun: 04/17/23 15:43
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
201	icp data	SAMPLE	483421-086	Soil	311859	04/18/23 03:21	1.0	13	3:FE=260
202	icp data	CCV				04/18/23 03:24	1.0	9	
203	icp data	CCB				04/18/23 03:28	1.0		
204	icp data	SAMPLE	483421-087	Soil	311859	04/18/23 03:31	1.0	13	3:FE=200
205	icp data	SAMPLE	483421-088	Soil	311859	04/18/23 03:34	1.0	13	3:FE=300
206	icp data	SAMPLE	483421-089	Soil	311859	04/18/23 03:37	1.0	13	3:FE=280
207	icp data	SAMPLE	483421-090	Soil	311859	04/18/23 03:40	1.0	13	3:FE=270
208	icp data	SAMPLE	483421-091	Soil	311859	04/18/23 03:44	1.0	13	3:FE=270
209	icp data	BLANK	QC1059012	Soil	311896	04/18/23 03:47	1.0	13	
210	icp data	LCS	QC1059013	Soil	311896	04/18/23 03:50	1.0	13	
211	icp data	SAMPLE	483434-001	Soil	311896	04/18/23 03:53	1.0	13	2:FE=130
212	icp data	SAMPLE	483434-002	Soil	311896	04/18/23 03:57	1.0	13	2:FE=150
213	icp data	SAMPLE	483434-003	Soil	311896	04/18/23 04:00	1.0	13	2:FE=140
214	icp data	CCV				04/18/23 04:03	1.0	9	
215	icp data	CCB				04/18/23 04:06	1.0		
216	icp data	SAMPLE	483434-004	Soil	311896	04/18/23 04:10	1.0	13	2:FE=150
217	icp data	SAMPLE	483434-005	Soil	311896	04/18/23 04:13	1.0	13	2:FE=180
218	icp data	SAMPLE	483434-006	Soil	311896	04/18/23 04:16	1.0	13	2:FE=61
219	icp data	SAMPLE	483434-007	Soil	311896	04/18/23 04:19	1.0	13	2:FE=190
220	icp data	SAMPLE	483434-008	Soil	311896	04/18/23 04:23	1.0	13	2:FE=120
221	icp data	SAMPLE	483434-009	Soil	311896	04/18/23 04:26	1.0	13	2:FE=110
222	icp data	SAMPLE	483434-010	Soil	311896	04/18/23 04:29	1.0	13	2:FE=57
223	icp data	MSS	483435-001	Soil	311896	04/18/23 04:32	1.0	13	4:FEASFE2O3=210
224	icp data	MS	QC1059014	Soil	311896	04/18/23 04:35	1.0	13	4:FEASFE2O3=230
225	icp data	MSD	QC1059015	Soil	311896	04/18/23 04:39	1.0	13	4:FEASFE2O3=240
226	icp data	CCV				04/18/23 04:42	1.0	9	
227	icp data	CCB				04/18/23 04:45	1.0		
228	icp data	PDS	QC1059016	Soil	311896	04/18/23 04:48	1.0	13	4:FEASFE2O3=210
229	icp data	SAMPLE	483435-002	Soil	311896	04/18/23 04:52	1.0	13	2:FE=79
230	icp data	SAMPLE	483435-003	Soil	311896	04/18/23 04:55	1.0	13	2:FE=150
231	icp data	SAMPLE	483435-004	Soil	311896	04/18/23 04:58	1.0	13	2:FE=150
232	icp data	SAMPLE	483435-005	Soil	311896	04/18/23 05:01	1.0	13	2:FE=170
233	icp data	SAMPLE	483435-006	Soil	311896	04/18/23 05:05	1.0	13	2:FE=160
234	icp data	SAMPLE	483435-007	Soil	311896	04/18/23 05:08	1.0	13	2:FE=130
235	icp data	SAMPLE	483435-008	Soil	311896	04/18/23 05:11	1.0	13	2:FE=200
236	icp data	SAMPLE	483435-009	Soil	311896	04/18/23 05:14	1.0	13	2:FE=140
237	icp data	SAMPLE	483435-010	Soil	311896	04/18/23 05:18	1.0	13	2:FE=100
238	icp data	CCV				04/18/23 05:21	1.0	9	
239	icp data	CCB				04/18/23 05:24	1.0		
240	icp data	BLANK	QC1059017	Miscell.	311898	04/18/23 05:27	1.0	13	
241	icp data	LCS	QC1059018	Miscell.	311898	04/18/23 05:30	1.0	13	
242	icp data	SAMPLE	483367-001	Soil	311898	04/18/23 05:34	1.0	13	3:FE=340
243	icp data	MSS	483421-092	Soil	311898	04/18/23 05:37	1.0	13	7:ALASAL2O3=490
244	icp data	MS	QC1059019	Soil	311898	04/18/23 05:40	1.0	13	7:ALASAL2O3=540
245	icp data	MSD	QC1059020	Soil	311898	04/18/23 05:43	1.0	13	7:ALASAL2O3=510
246	icp data	PDS	QC1059021	Soil	311898	04/18/23 05:47	1.0	13	7:ALASAL2O3=490
247	icp data	SAMPLE	483421-093	Soil	311898	04/18/23 05:50	1.0	13	3:FE=270
248	icp data	SAMPLE	483421-094	Soil	311898	04/18/23 05:53	1.0	13	3:FE=250
249	icp data	SAMPLE	483421-095	Soil	311898	04/18/23 05:56	1.0	13	3:FE=270
250	icp data	CCV				04/18/23 06:00	1.0	9	

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
251	icp data	CCB				04/18/23 06:03	1.0		
252	icp data	SAMPLE	483421-096	Soil	311898	04/18/23 06:06	1.0	13	3:FE=230
253	icp data	SAMPLE	483421-097	Soil	311898	04/18/23 06:09	1.0	13	3:FE=250
254	icp data	SAMPLE	483421-098	Soil	311898	04/18/23 06:13	1.0	13	3:FE=260
255	icp data	SAMPLE	483421-099	Soil	311898	04/18/23 06:16	1.0	13	3:FE=270
256	icp data	SAMPLE	483421-100	Soil	311898	04/18/23 06:19	1.0	13	3:FE=250
257	icp data	SAMPLE	483421-101	Soil	311898	04/18/23 06:22	1.0	13	3:FE=240
258	icp data	SAMPLE	483421-102	Soil	311898	04/18/23 06:26	1.0	13	3:FE=260
259	icp data	SAMPLE	483421-103	Soil	311898	04/18/23 06:29	1.0	13	3:FE=280
260	icp data	SAMPLE	483421-104	Soil	311898	04/18/23 06:32	1.0	13	3:FE=200
261	icp data	SAMPLE	483421-105	Soil	311898	04/18/23 06:35	1.0	13	3:FE=250
262	icp data	CCV				04/18/23 06:39	1.0	9	
263	icp data	CCB				04/18/23 06:42	1.0		
264	icp data	SAMPLE	483421-106	Soil	311898	04/18/23 06:45	1.0	13	3:FE=260
265	icp data	SAMPLE	483441-001	Miscell.	311898	04/18/23 06:48	1.0	13	3:FE=160
266	icp data	SAMPLE	483441-011	Soil	311898	04/18/23 06:52	1.0	13	3:FE=160
267	icp data	SAMPLE	483441-012	Soil	311898	04/18/23 06:55	1.0	13	3:FE=150
268	icp data	SAMPLE	483441-013	Soil	311898	04/18/23 06:58	1.0	13	3:FE=170
269	icp data	CCV				04/18/23 07:01	1.0	9	
270	icp data	CCB				04/18/23 07:05	1.0		
271	icp data	PDS	QC1059016	Soil	311896	04/18/23 08:15	1.0	13	4:FEASFE2O3=200
272	icp data	SAMPLE	483435-002	Soil	311896	04/18/23 08:18	1.0	13	2:FE=79
273	icp data	SAMPLE	483435-003	Soil	311896	04/18/23 08:22	1.0	13	2:FE=150
274	icp data	SAMPLE	483435-004	Soil	311896	04/18/23 08:25	1.0	13	2:FE=140
275	icp data	SAMPLE	483435-005	Soil	311896	04/18/23 08:28	1.0	13	2:FE=170
276	icp data	SAMPLE	483435-006	Soil	311896	04/18/23 08:31	1.0	13	2:FE=160
277	icp data	SAMPLE	483435-007	Soil	311896	04/18/23 08:35	1.0	13	2:FE=120
278	icp data	SAMPLE	483435-008	Soil	311896	04/18/23 08:38	1.0	13	2:FE=190
279	icp data	SAMPLE	483435-009	Soil	311896	04/18/23 08:41	1.0	13	2:FE=130
280	icp data	SAMPLE	483435-010	Soil	311896	04/18/23 08:44	1.0	13	2:FE=100
281	icp data	CCV				04/18/23 08:48	1.0	9	
282	icp data	CCB				04/18/23 08:51	1.0		
283	icp data	BLANK	QC1059017	Miscell.	311898	04/18/23 08:54	1.0	13	
284	icp data	LCS	QC1059018	Miscell.	311898	04/18/23 08:57	1.0	13	
285	icp data	SAMPLE	483367-001	Soil	311898	04/18/23 09:00	1.0	13	3:FE=330
286	icp data	MSS	483421-092	Soil	311898	04/18/23 09:04	1.0	13	7:ALASAL2O3=490
287	icp data	MS	QC1059019	Soil	311898	04/18/23 09:07	1.0	13	7:ALASAL2O3=530
288	icp data	MSD	QC1059020	Soil	311898	04/18/23 09:10	1.0	13	7:ALASAL2O3=520
289	icp data	PDS	QC1059021	Soil	311898	04/18/23 09:13	1.0	13	7:ALASAL2O3=480
290	icp data	SAMPLE	483421-093	Soil	311898	04/18/23 09:17	1.0	13	3:FE=260
291	icp data	SAMPLE	483421-094	Soil	311898	04/18/23 09:20	1.0	13	3:FE=260
292	icp data	SAMPLE	483421-095	Soil	311898	04/18/23 09:23	1.0	13	3:FE=270
293	icp data	CCV				04/18/23 09:26	1.0	9	
294	icp data	CCB				04/18/23 09:30	1.0		
295	icp data	SAMPLE	483256-001	Soil	311847	04/18/23 09:38	10.0	13	2:FE=23
296	icp data	SAMPLE	483256-002	Soil	311847	04/18/23 09:41	10.0	13	2:FE=22
297	icp data	SAMPLE	483256-001	Soil	311847	04/18/23 09:47	100.0	13	
298	icp data	SAMPLE	483256-002	Soil	311847	04/18/23 09:50	100.0	13	
299	icp data	CCV				04/18/23 09:54	1.0	9	
300	icp data	CCB				04/18/23 09:57	1.0		

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
301	icp data	MSS	483440-001	Soil	311848	04/18/23 10:06	1.0	13	4:ALASAL2O3=290
302	icp data	MS	QC1058835	Soil	311848	04/18/23 10:09	1.0	13	5:ALASAL2O3=300
303	icp data	MSD	QC1058836	Soil	311848	04/18/23 10:12	1.0	13	4:ALASAL2O3=290
304	icp data	SAMPLE	483421-082	Soil	311859	04/18/23 10:15	10.0	13	2:FE=30
305	icp data	CCV				04/18/23 10:19	1.0	9	
306	icp data	CCB				04/18/23 10:22	1.0		
307	icp data	BLANK	QC1059144	Soil	311931	04/18/23 11:28	1.0	13	
308	icp data	LCS	QC1059145	Soil	311931	04/18/23 11:31	1.0	13	
309	icp data	MSS	483433-001	Soil	311931	04/18/23 11:34	1.0	13	4:FEASFE2O3=100
310	icp data	MS	QC1059146	Soil	311931	04/18/23 11:37	1.0	13	4:ALASAL2O3=180
311	icp data	MSD	QC1059147	Soil	311931	04/18/23 11:41	1.0	13	4:ALASAL2O3=190
312	icp data	PDS	QC1059148	Soil	311931	04/18/23 11:44	1.0	13	4:FEASFE2O3=99
313	icp data	SAMPLE	483433-002	Soil	311931	04/18/23 11:47	1.0	13	3:AL=170
314	icp data	SAMPLE	483433-003	Soil	311931	04/18/23 11:50	1.0	13	2:FE=75
315	icp data	SAMPLE	483433-004	Soil	311931	04/18/23 11:54	1.0	13	2:FE=130
316	icp data	SAMPLE	483433-005	Soil	311931	04/18/23 11:57	1.0	13	2:FE=130
317	icp data	CCV				04/18/23 12:00	1.0	9	
318	icp data	CCB				04/18/23 12:03	1.0		
319	icp data	SAMPLE	483433-006	Soil	311931	04/18/23 12:07	1.0	13	2:FE=70
320	icp data	SAMPLE	483433-007	Soil	311931	04/18/23 12:10	1.0	13	2:FE=72
321	icp data	SAMPLE	483433-008	Soil	311931	04/18/23 12:13	1.0	13	2:FE=68
322	icp data	SAMPLE	483433-009	Soil	311931	04/18/23 12:16	1.0	13	2:FE=87
323	icp data	SAMPLE	483433-010	Soil	311931	04/18/23 12:20	1.0	13	2:FE=190
324	icp data	SAMPLE	483436-001	Soil	311931	04/18/23 12:23	1.0	13	2:FE=82
325	icp data	SAMPLE	483436-002	Soil	311931	04/18/23 12:26	1.0	13	2:FE=66
326	icp data	SAMPLE	483436-003	Soil	311931	04/18/23 12:29	1.0	13	2:FE=150
327	icp data	SAMPLE	483436-004	Soil	311931	04/18/23 12:33	1.0	13	2:FE=63
328	icp data	SAMPLE	483436-005	Soil	311931	04/18/23 12:36	1.0	13	2:FE=62
329	icp data	CCV				04/18/23 12:39	1.0	9	
330	icp data	CCB				04/18/23 12:42	1.0		
331	icp data	SAMPLE	483436-006	Soil	311931	04/18/23 12:46	1.0	13	2:FE=110
332	icp data	SAMPLE	483436-007	Soil	311931	04/18/23 12:49	1.0	13	2:FE=110
333	icp data	SAMPLE	483436-008	Soil	311931	04/18/23 12:52	1.0	13	2:FE=120
334	icp data	SAMPLE	483436-009	Soil	311931	04/18/23 12:55	1.0	13	2:FE=160
335	icp data	SAMPLE	483436-010	Soil	311931	04/18/23 12:59	1.0	13	2:FE=150
336	icp data	BLANK	QC1059327	Drinking Water	311988	04/18/23 13:02	1.0	13	
337	icp data	LCS	QC1059328	Drinking Water	311988	04/18/23 13:05	1.0	13	
338	icp data	MSS	483487-001	Drinking Water	311988	04/18/23 13:08	1.0	13	
339	icp data	MS	QC1059332	Drinking Water	311988	04/18/23 13:12	1.0	13	
340	icp data	MSD	QC1059333	Drinking Water	311988	04/18/23 13:15	1.0	13	
341	icp data	CCV				04/18/23 13:18	1.0	9	
342	icp data	CCB				04/18/23 13:21	1.0		
343	icp data	SAMPLE	483487-002	Drinking Water	311988	04/18/23 13:25	1.0	13	
344	icp data	SAMPLE	483487-003	Drinking Water	311988	04/18/23 13:28	1.0	13	
345	icp data	SAMPLE	483489-001	Drinking Water	311988	04/18/23 13:31	1.0	13	
346	icp data	SAMPLE	483489-002	Drinking Water	311988	04/18/23 13:34	1.0	13	
347	icp data	CCV				04/18/23 13:38	1.0	9	
348	icp data	CCB				04/18/23 13:41	1.0		
349	icp data	SAMPLE	483437-002	Soil	311933	04/18/23 14:08	1.0	13	2:FE=110
350	icp data	SAMPLE	483437-003	Soil	311933	04/18/23 14:11	1.0	13	2:FE=110

Instrument: MET09 Begun: 04/17/23 15:43
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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
351	icp data	SAMPLE	483437-004	Soil	311933	04/18/23 14:14	1.0	13	2:FE=130
352	icp data	SAMPLE	483437-005	Soil	311933	04/18/23 14:17	1.0	13	2:FE=140
353	icp data	SAMPLE	483437-006	Soil	311933	04/18/23 14:21	1.0	13	2:FE=63
354	icp data	SAMPLE	483437-007	Soil	311933	04/18/23 14:24	1.0	13	2:FE=180
355	icp data	SAMPLE	483441-014	Soil	311933	04/18/23 14:27	1.0	13	3:FE=150
356	icp data	SAMPLE	483441-015	Soil	311933	04/18/23 14:30	1.0	13	3:FE=150
357	icp data	SAMPLE	483450-001	Soil	311933	04/18/23 14:34	1.0	13	2:FE=150
358	icp data	SAMPLE	483461-001	Miscell.	311933	04/18/23 14:37	1.0	13	3:FE=140
359	icp data	CCV				04/18/23 15:19	1.0	9	
360	icp data	CCB				04/18/23 15:22	1.0		
361	icp data	SAMPLE	483461-002	Miscell.	311933	04/18/23 15:25	1.0	13	3:FE=140
362	icp data	SAMPLE	483461-003	Miscell.	311933	04/18/23 15:29	1.0	13	3:FE=140
363	icp data	SAMPLE	483461-004	Miscell.	311933	04/18/23 15:32	1.0	13	3:FE=150
364	icp data	SAMPLE	483462-001	Miscell.	311933	04/18/23 15:35	1.0	13	4:CA=990
365	icp data	BLANK	QC1059183	Soil	311948	04/18/23 15:38	1.0	13	
366	icp data	LCS	QC1059184	Soil	311948	04/18/23 15:42	1.0	13	
367	icp data	SAMPLE	483151-001	Soil	311948	04/18/23 15:45	1.0	13	2:FE=120
368	icp data	MSS	483497-001	Soil	311948	04/18/23 15:48	1.0	13	5:FEASFE2O3=200
369	icp data	MS	QC1059272	Soil	311948	04/18/23 15:51	1.0	13	5:FEASFE2O3=230
370	icp data	MSD	QC1059273	Soil	311948	04/18/23 15:55	1.0	13	5:FEASFE2O3=210
371	icp data	CCV				04/18/23 15:58	1.0	9	
372	icp data	CCB				04/18/23 16:01	1.0		
373	icp data	PDS	QC1059274	Soil	311948	04/18/23 16:04	1.0	13	5:FEASFE2O3=190
374	icp data	SAMPLE	483497-002	Soil	311948	04/18/23 16:08	1.0	13	3:FE=140
375	icp data	SAMPLE	483497-003	Soil	311948	04/18/23 16:11	1.0	13	2:FE=97
376	icp data	SAMPLE	483497-004	Soil	311948	04/18/23 16:14	1.0	13	3:FE=180
377	icp data	SAMPLE	483497-005	Soil	311948	04/18/23 16:17	1.0	13	3:FE=240
378	icp data	CCV				04/18/23 16:21	1.0	9	
379	icp data	CCB				04/18/23 16:24	1.0		
380	icp data	BLANK	QC1059183	Soil	311948	04/18/23 16:31	1.0	13	
381	icp data	BLANK	QC1059275	Soil	311970	04/18/23 16:34	1.0	13	
382	icp data	LCS	QC1059276	Soil	311970	04/18/23 16:38	1.0	13	
383	icp data	MSS	483411-001	Soil	311970	04/18/23 16:41	1.0	13	4:FEASFE2O3=180
384	icp data	MS	QC1059277	Soil	311970	04/18/23 16:44	1.0	13	5:FEASFE2O3=170
385	icp data	MSD	QC1059278	Soil	311970	04/18/23 16:47	1.0	13	5:FEASFE2O3=190
386	icp data	PDS	QC1059279	Soil	311970	04/18/23 16:51	1.0	13	4:FEASFE2O3=180
387	icp data	SAMPLE	483411-002	Soil	311970	04/18/23 16:54	1.0	13	2:FE=94
388	icp data	SAMPLE	483411-010	Soil	311970	04/18/23 16:57	1.0	13	3:FE=160
389	icp data	SAMPLE	483411-011	Soil	311970	04/18/23 17:00	1.0	13	3:FE=200
390	icp data	CCV				04/18/23 17:04	1.0	9	
391	icp data	CCB				04/18/23 17:07	1.0		
392	icp data	BLANK	QC1059329	Sea Water	311989	04/18/23 17:10	1.0	13	
393	icp data	LCS	QC1059369	Sea Water	311989	04/18/23 17:13	1.0	13	
394	icp data	SAMPLE	483499-001	Sea Water	311989	04/18/23 17:17	25.0	13	
395	icp data	SAMPLE	483499-002	Sea Water	311989	04/18/23 17:20	25.0	13	
396	icp data	MSS	483500-002	Sea Water	311989	04/18/23 17:23	25.0	13	
397	icp data	MS	QC1059370	Sea Water	311989	04/18/23 17:26	25.0	13	
398	icp data	MSD	QC1059371	Sea Water	311989	04/18/23 17:30	25.0	13	
399	icp data	SAMPLE	483498-001	Drinking Water	311988	04/18/23 17:33	1.0	13	
400	icp data	SAMPLE	483500-001	Drinking Water	311988	04/18/23 17:36	1.0	13	

Enthalpy Sequence Summary for Sequence 673155023

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Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
401	icp data	SAMPLE	483503-001	Drinking Water	311988	04/18/23 17:39	1.0	13	
402	icp data	CCV				04/18/23 17:43	1.0	9	
403	icp data	CCB				04/18/23 17:46	1.0		
404	icp data	BLANK	QC1059304	Wipe	311981	04/18/23 17:49	1.0	13	
405	icp data	BS	QC1059305	Wipe	311981	04/18/23 17:52	1.0	13	
406	icp data	BSD	QC1059306	Wipe	311981	04/18/23 17:56	1.0	13	
407	icp data	SAMPLE	483449-002	Wipe	311981	04/18/23 17:59	1.0	13	1:FE=63
408	icp data	SAMPLE	483449-004	Wipe	311981	04/18/23 18:02	1.0	13	1:FE=67
409	icp data	SAMPLE	483449-006	Wipe	311981	04/18/23 18:05	1.0	13	1:FE=42
410	icp data	SAMPLE	483449-007	Wipe	311981	04/18/23 18:09	1.0	13	1:FE=33
411	icp data	SAMPLE	483449-009	Wipe	311981	04/18/23 18:12	1.0	13	1:FE=67
412	icp data	SAMPLE	483449-010	Wipe	311981	04/18/23 18:15	1.0	13	1:FE=75
413	icp data	SAMPLE	483449-013	Wipe	311981	04/18/23 18:18	1.0	13	1:FE=150
414	icp data	CCV				04/18/23 18:22	1.0	9	
415	icp data	CCB				04/18/23 18:25	1.0		
416	icp data	SAMPLE	483449-015	Wipe	311981	04/18/23 18:28	1.0	13	1:FE=110
417	icp data	SAMPLE	483449-018	Wipe	311981	04/18/23 18:31	1.0	13	1:FE=86
418	icp data	SAMPLE	483449-020	Wipe	311981	04/18/23 18:35	1.0	13	1:FE=110
419	icp data	SAMPLE	483449-022	Wipe	311981	04/18/23 18:38	1.0	13	1:FE=76
420	icp data	SAMPLE	483449-024	Wipe	311981	04/18/23 18:41	1.0	13	1:FE=140
421	icp data	SAMPLE	483488-002	Wipe	311981	04/18/23 18:44	1.0	13	1:FE=67
422	icp data	SAMPLE	483488-004	Wipe	311981	04/18/23 18:48	1.0	13	1:FE=100
423	icp data	SAMPLE	483488-006	Wipe	311981	04/18/23 18:51	1.0	13	1:FE=120
424	icp data	SAMPLE	483488-008	Wipe	311981	04/18/23 18:54	1.0	13	1:FE=120
425	icp data	SAMPLE	483488-010	Wipe	311981	04/18/23 18:57	1.0	13	1:FE=97
426	icp data	CCV				04/18/23 19:01	1.0	9	
427	icp data	CCB				04/18/23 19:04	1.0		
428	icp data	SAMPLE	483488-012	Wipe	311981	04/18/23 19:07	1.0	13	1:FE=81
429	icp data	SAMPLE	483488-014	Wipe	311981	04/18/23 19:10	1.0	13	1:FE=51
430	icp data	SAMPLE	483488-016	Wipe	311981	04/18/23 19:14	1.0	13	1:FE=70
431	icp data	BLANK	QC1059323	Soil	311987	04/18/23 19:17	1.0	13	
432	icp data	LCS	QC1059324	Soil	311987	04/18/23 19:20	1.0	13	
433	icp data	MSS	483523-001	Soil	311987	04/18/23 19:23	1.0	13	4:ALASAL2O3=220
434	icp data	MS	QC1059325	Soil	311987	04/18/23 19:27	1.0	13	5:ALASAL2O3=370
435	icp data	MSD	QC1059326	Soil	311987	04/18/23 19:30	1.0	13	5:ALASAL2O3=320
436	icp data	PDS	QC1059415	Soil	311987	04/18/23 19:57	1.0	13	4:ALASAL2O3=220
437	icp data	SAMPLE	483523-002	Soil	311987	04/18/23 20:00	1.0	13	2:AL=140
438	icp data	CCV				04/18/23 20:03	1.0	9	
439	icp data	CCB				04/18/23 20:06	1.0		
440	icp data	SAMPLE	483523-003	Soil	311987	04/18/23 20:09	1.0	13	2:FE=81
441	icp data	SAMPLE	483523-004	Soil	311987	04/18/23 20:13	1.0	13	2:AL=110
442	icp data	BLANK	QC1059307	Wipe	311982	04/18/23 20:16	1.0	13	
443	icp data	BS	QC1059308	Wipe	311982	04/18/23 20:19	1.0	13	
444	icp data	BSD	QC1059309	Wipe	311982	04/18/23 20:22	1.0	13	
445	icp data	SAMPLE	483488-018	Wipe	311982	04/18/23 20:26	1.0	13	1:FE=150
446	icp data	SAMPLE	483488-021	Wipe	311982	04/18/23 20:29	1.0	13	1:FE=120
447	icp data	SAMPLE	483488-023	Wipe	311982	04/18/23 20:32	1.0	13	1:FE=120
448	icp data	SAMPLE	483488-025	Wipe	311982	04/18/23 20:35	1.0	13	1:FE=110
449	icp data	SAMPLE	483488-026	Wipe	311982	04/18/23 20:39	1.0	13	1:FE=110
450	icp data	CCV				04/18/23 20:42	1.0	9	

Enthalpy Sequence Summary for Sequence 673155023

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Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
451	icp data	CCB				04/18/23 20:45	1.0		
452	icp data	SAMPLE	483488-028	Wipe	311982	04/18/23 20:48	1.0	13	1:FE=40
453	icp data	SAMPLE	483488-030	Wipe	311982	04/18/23 20:52	1.0	13	1:FE=93
454	icp data	SAMPLE	483492-002	Wipe	311982	04/18/23 20:55	1.0	13	1:FE=150
455	icp data	SAMPLE	483492-004	Wipe	311982	04/18/23 20:58	1.0	13	1:FE=65
456	icp data	SAMPLE	483492-006	Wipe	311982	04/18/23 21:01	1.0	13	1:FE=88
457	icp data	SAMPLE	483492-008	Wipe	311982	04/18/23 21:04	1.0	13	1:FE=91
458	icp data	SAMPLE	483492-009	Wipe	311982	04/18/23 21:08	1.0	13	1:FE=100
459	icp data	SAMPLE	483492-011	Wipe	311982	04/18/23 21:11	1.0	13	1:FE=110
460	icp data	SAMPLE	483492-014	Wipe	311982	04/18/23 21:14	1.0	13	1:FE=65
461	icp data	SAMPLE	483492-016	Wipe	311982	04/18/23 21:17	1.0	13	1:FE=62
462	icp data	CCV				04/18/23 21:21	1.0	9	
463	icp data	CCB				04/18/23 21:24	1.0		
464	icp data	SAMPLE	483492-018	Wipe	311982	04/18/23 21:27	1.0	13	1:FE=55
465	icp data	SAMPLE	483492-020	Wipe	311982	04/18/23 21:30	1.0	13	1:FE=70
466	icp data	SAMPLE	483492-022	Wipe	311982	04/18/23 21:34	1.0	13	1:FE=120
467	icp data	SAMPLE	483492-024	Wipe	311982	04/18/23 21:37	1.0	13	1:FE=52
468	icp data	SAMPLE	483492-026	Wipe	311982	04/18/23 21:40	1.0	13	1:FE=90
469	icp data	BLANK	QC1059339	Water	311991	04/18/23 21:43	1.0	13	
470	icp data	LCS	QC1059340	Water	311991	04/18/23 21:47	1.0	13	
471	icp data	SAMPLE	483100-001	Miscell.		04/18/23 21:50	1.0	13	
472	icp data	SAMPLE	483100-002	Miscell.		04/18/23 21:53	1.0	13	
473	icp data	?SAMPLE	483236-001		311991	04/18/23 21:56	1.0		
474	icp data	CCV				04/18/23 21:59	1.0	9	
475	icp data	CCB				04/18/23 22:03	1.0		
476	icp data	?SAMPLE	483236-002		311991	04/18/23 22:06	1.0		
477	icp data	SAMPLE	483336-001	Water	311991	04/18/23 22:09	1.0	13	
478	icp data	MSS	483389-001	Water	311991	04/18/23 22:12	1.0	13	
479	icp data	MS	QC1059341	Water	311991	04/18/23 22:16	1.0	13	
480	icp data	MSD	QC1059342	Water	311991	04/18/23 22:19	1.0	13	
481	icp data	BLANK	QC1059382	Miscell.	312015	04/18/23 22:22	1.0	13	
482	icp data	LCS	QC1059403	Soil	312015	04/18/23 22:25	1.0	13	
483	icp data	LCS	QC1059324	Soil	311987	04/18/23 22:30	1.0	13	
484	icp data	MSS	482859-001	Soil	312015	04/18/23 22:33	1.0	13	5:ALASAL2O3=360
485	icp data	MS	QC1059404	Soil	312015	04/18/23 22:37	1.0	13	6:ALASAL2O3=400
486	icp data	MSD	QC1059405	Soil	312015	04/18/23 22:40	1.0	13	5:ALASAL2O3=380
487	icp data	CCV				04/18/23 22:43	1.0	9	
488	icp data	CCB				04/18/23 22:46	1.0		
489	icp data	PDS	QC1059406	Soil	312015	04/18/23 22:49	1.0	13	5:ALASAL2O3=360
490	icp data	SAMPLE	483455-001	Miscell.	312015	04/18/23 22:53	1.0		5:ZN=110
491	icp data	SAMPLE	483455-002	Miscell.	312015	04/18/23 22:56	1.0	13	3:FE=230
492	icp data	SAMPLE	483455-003	Miscell.	312015	04/18/23 22:59	1.0	13	6:ZN=130
493	icp data	SAMPLE	483455-004	Miscell.	312015	04/18/23 23:02	1.0	13	4:SB=260
494	icp data	SAMPLE	483455-005	Miscell.	312015	04/18/23 23:06	1.0	13	3:ZN=190
495	icp data	SAMPLE	483455-006	Miscell.	312015	04/18/23 23:09	1.0	13	6:PB=430
496	icp data	SAMPLE	483455-007	Miscell.	312015	04/18/23 23:12	1.0	13	3:FE=180
497	icp data	SAMPLE	483461-005	Miscell.	312015	04/18/23 23:15	1.0	13	2:FE=130
498	icp data	SAMPLE	483461-006	Miscell.	312015	04/18/23 23:19	1.0	13	2:FE=110
499	icp data	SAMPLE	483461-007	Miscell.	312015	04/18/23 23:22	1.0	13	2:FE=110
500	icp data	CCV				04/18/23 23:25	1.0	9	

Enthalpy Sequence Summary for Sequence 673155023

Instrument: MET09 Begun: 04/17/23 15:43
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
501	icp data	CCB				04/18/23 23:28	1.0		
502	icp data	SAMPLE	483461-008	Miscell.	312015	04/18/23 23:32	1.0	13	2:FE=100
503	icp data	SAMPLE	483482-001	Soil	312015	04/18/23 23:35	1.0	13	3:FE=350
504	icp data	SAMPLE	483482-002	Soil	312015	04/18/23 23:38	1.0	13	3:FE=410
505	icp data	BLANK	QC1059310	Wipe	311983	04/18/23 23:41	1.0	13	
506	icp data	BS	QC1059311	Wipe	311983	04/18/23 23:44	1.0	13	
507	icp data	BSD	QC1059312	Wipe	311983	04/18/23 23:48	1.0	13	
508	icp data	SAMPLE	483492-028	Wipe	311983	04/18/23 23:51	1.0	13	1:FE=63
509	icp data	SAMPLE	483492-031	Wipe	311983	04/18/23 23:54	1.0	13	1:FE=99
510	icp data	SAMPLE	483492-033	Wipe	311983	04/18/23 23:57	1.0	13	1:FE=75
511	icp data	CCV				04/19/23 00:01	1.0	9	
512	icp data	CCB				04/19/23 00:04	1.0		
513	icp data	SAMPLE	483492-035	Wipe	311983	04/19/23 00:07	1.0	13	1:FE=50
514	icp data	SAMPLE	483492-037	Wipe	311983	04/19/23 00:10	1.0	13	1:FE=31
515	icp data	SAMPLE	483492-039	Wipe	311983	04/19/23 00:14	1.0	13	1:FE=27
516	icp data	SAMPLE	483492-041	Wipe	311983	04/19/23 00:17	1.0	13	1:FE=45
517	icp data	SAMPLE	483492-043	Wipe	311983	04/19/23 00:20	1.0	13	1:FE=72
518	icp data	SAMPLE	483492-044	Wipe	311983	04/19/23 00:23	1.0	13	1:FE=100
519	icp data	SAMPLE	483492-046	Wipe	311983	04/19/23 00:27	1.0	13	1:FE=64
520	icp data	SAMPLE	483492-048	Wipe	311983	04/19/23 00:30	1.0	13	1:FE=81
521	icp data	SAMPLE	483492-050	Wipe	311983	04/19/23 00:33	1.0	13	1:FE=42
522	icp data	SAMPLE	483492-052	Wipe	311983	04/19/23 00:36	1.0	13	1:FE=73
523	icp data	CCV				04/19/23 00:39	1.0	9	
524	icp data	CCB				04/19/23 00:43	1.0		
525	icp data	SAMPLE	483492-054	Wipe	311983	04/19/23 00:46	1.0	13	1:FE=77
526	icp data	SAMPLE	483492-056	Wipe	311983	04/19/23 00:49	1.0	13	1:FE=97
527	icp data	SAMPLE	483492-058	Wipe	311983	04/19/23 00:52	1.0	13	1:FE=72
528	icp data	SAMPLE	483492-060	Wipe	311983	04/19/23 00:56	1.0	13	1:FE=45
529	icp data	SAMPLE	483492-062	Wipe	311983	04/19/23 00:59	1.0	13	
530	icp data	SAMPLE	483492-064	Wipe	311983	04/19/23 01:02	1.0	13	
531	icp data	SAMPLE	483492-065	Wipe	311983	04/19/23 01:05	1.0	13	1:FE=45
532	icp data	CCV				04/19/23 01:09	1.0	9	
533	icp data	CCB				04/19/23 01:12	1.0		

Standards Used:
1=S18211 2=S18210 3=S18209 4=S18208 5=S18207 6=S18171 7=S18176 8=S18177 9=S18219 10=S18178 11=S17961 12=S18242 13=S14463

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-002	Client ID:	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-L-LA
Seqnum:	673155023407	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 17:59
Cal:	673155023001	Caldate:	17-APR-2023		
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	1.263	63	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	875992	-10.60

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-002,311981	**Rack:Tube:**	4:36	**Type:**	Sample
Date Time:	4/18/2023 5:59:24 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMSID:		**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]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00116236	-0.00116236	mg/L	290.16383213	0.00031057	26.71881061	28.69098013	9.89		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00128735
Al 396.152	Al		2.81505240	2.81505240	mg/L	123700.09721805	0.05627819	1.99918815	2445.95124267	1.98	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	2.75424904
As 188.980	As		0.03465662	0.03465662	mg/L	216.07591135	0.00144703	4.17532390	7.24706614	3.35	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.03436766
B 249.678	B		0.01357371	0.01357371	mg/L	2681.10358154	0.00091028	6.70619463	40.29756490	1.50	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01400360
Ba 230.424	Ba		0.01527936	0.01527936	mg/L	2001.84318663	0.00019571	1.28088725	21.71388940	1.08	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01505337
Be 313.107	Be		0.00008687	0.00008687	mg/L	487.47121009	0.00002208	25.41476284	55.66579267	11.42	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00009940
Ca 317.933	Ca-R		11.86942155	11.86942155	mg/L	177384.93283919	0.11819965	0.99583326	1744.80331087	0.98	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	11.73659454
Cd 214.439	Cd	u	-0.00001327	-0.00001327	mg/L	211.71910820	0.00003057	230.40289448	6.88353284	3.25	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00002161
Co 230.786	Co		0.00969248	0.00969248	mg/L	487.08145095	0.00067109	6.92378152	32.47621046	6.67	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00912364
Cr 267.716	Cr		0.03766088	0.03766088	mg/L	2755.33709709	0.00030568	0.81165699	22.63692357	0.82	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.03744458
Cu 324.754	Cu		1.51267740	1.51267740	mg/L	71309.18033075	0.02773902	1.83376954	1294.76957495	1.82	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.48242819
Fe 259.940	Fe	o	62.70180725	62.70180725	mg/L	4306940.45090338	0.86726935	1.38316484	59566.41236265	1.38		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	61.7611749(
K 766.491	K-R		3.01896237	3.01896237	mg/L	4814.76397297	0.03627150	1.20145573	58.70845283	1.22	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.97831413
Li 670.783	Li-R		0.00900486	0.00900486	mg/L	871.10035101	0.00073489	8.16100333	84.87907270	9.74	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00831419
Mg 279.800	Mg-R		5.61823116	5.61823116	mg/L	14526.14080497	0.06042099	1.07544510	155.39529171	1.07	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	5.55325399
Mn 257.610	Mn		0.46741025	0.46741025	mg/L	231510.57523478	0.00808882	1.73056076	3998.10126486	1.73	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.45807858
Mo 204.598	Mo		0.00315263	0.00315263	mg/L	65.16060451	0.00046258	14.67283562	6.02381768	9.24	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00301074
Na 589.592	Na-R		6.19601037	6.19601037	mg/L	68889.78409315	0.05946271	0.95969346	649.09129386	0.94	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	6.12898975
Ni 231.604	Ni		0.09184296	0.09184296	mg/L	2500.43717136	0.00168020	1.82942279	44.61973690	1.78	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.08991038
P 177.434	P		0.62386106	0.62386106	mg/L	452.25054561	0.00728317	1.16743441	5.19807143	1.15		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.61647753
Pb 220.353	Pb		1.26320731	1.26320731	mg/L	12248.53574146	0.02144996	1.69805561	217.25556531	1.77	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.24027400
S 181.972	S		5.19127011	5.19127011	mg/L	9849.95891867	0.02260714	0.43548387	41.87881518	0.43		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	5.16722782
Sb 206.834	Sb	u	-0.00527854	-0.00527854	mg/L	-52.03399980	0.00148865	28.20195289	7.34046221	14.11	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.00684675
Se 196.026	Se		0.02014377	0.02014377	mg/L	97.25697630	0.00100300	4.97921596	4.69092739	4.82	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01901703
Si 251.611	Si		6.34727359	6.34727359	mg/L	65888.11091967	0.11520899	1.81509419	1086.69766930	1.65		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	6.21439084
Sn 189.925	Sn		0.07128738	0.07128738	mg/L	983.86650035	0.00125178	1.75596382	16.91508637	1.72	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.07014523
Sr 421.552	Sr-R		0.02261983	0.02261983	mg/L	10759.49137493	0.00040110	1.77320471	186.87004354	1.74	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.02217288
Ti 334.941	Ti		0.30661861	0.30661861	mg/L	110904.97721371	0.00813516	2.65318547	2926.39235462	2.64	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.30159798
Tl 190.794	Tl	u	-0.00918961	-0.00918961	mg/L	-42.36918287	0.00078688	8.56270531	3.39067385	8.00	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.00828117
V 292.401	V		0.01187926	0.01187926	mg/L	376.34883917	0.00052525	4.42154374	22.38885820	5.95	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.01141958
Zn 206.200	Zn		4.61693095	4.61693095	mg/L	315256.46122289	0.07267183	1.57402888	4959.35656928	1.57	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	4.53597896
Y 371.029	Y		0.89	0.89	Ratio	875992.31	0.01	1.36	11878.09	1.36		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.86	0.86	Ratio	200361.87	0.01	1.12	2240.96	1.12		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-004	Client ID:	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB
Seqnum:	673155023408	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:02
Cal:	673155023001	Caldate:	17-APR-2023		
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	0.6452	32	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	877265	-10.47

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-004,311981	Rack:Tube:	4:37	Type:	Sample
Date Time:	4/18/2023 6:02:39 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMSID:		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]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00108972	-0.00108972	mg/L	285.07362226	0.00009354	8.58431874	8.64186638	3.03		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00100776
Al 396.152	Al		4.95045229	4.95045229	mg/L	216506.14589821	0.13631096	2.75350511	5924.31864163	2.74	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	4.79936287
As 188.980	As		0.04389071	0.04389071	mg/L	262.61018482	0.00164509	3.74814075	8.23899655	3.14	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.04203685
B 249.678	B		0.01221915	0.01221915	mg/L	2606.79965336	0.00047231	3.86536077	20.90907593	0.80	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01270456
Ba 230.424	Ba		0.01675366	0.01675366	mg/L	2168.27914144	0.00041871	2.49920442	46.45507258	2.14	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01627301
Be 313.107	Be		0.00007864	0.00007864	mg/L	460.06380899	0.00000978	12.43885137	24.66302394	5.36	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00008453
Ca 317.933	Ca-R		11.33708137	11.33708137	mg/L	169541.49585212	0.07146770	0.63038885	1054.96993637	0.62	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	11.25558408
Cd 214.439	Cd	u	-0.00023114	-0.00023114	mg/L	179.48477666	0.00006865	29.70015235	15.45948641	8.61	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.00017933
Co 230.786	Co		0.01212618	0.01212618	mg/L	604.96279424	0.00058246	4.80328840	28.18703881	4.66	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.01150483
Cr 267.716	Cr		0.04369409	0.04369409	mg/L	3203.95611614	0.00076172	1.74329633	56.40898416	1.76	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.04283916
Cu 324.754	Cu		0.92144729	0.92144729	mg/L	43711.49077839	0.02514867	2.72925741	1173.86028245	2.69	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.89340375
Fe 259.940	Fe	o	66.79707350	66.79707350	mg/L	4588265.49586931	1.90596482	2.85336575	130906.83535880	2.85		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	64.87389589
K 766.491	K-R		2.55473133	2.55473133	mg/L	4063.76246303	0.05697671	2.23024255	92.22156602	2.27	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.49613001
Li 670.783	Li-R		0.00934948	0.00934948	mg/L	955.28248204	0.00038650	4.13393752	44.64071647	4.67	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00891198
Mg 279.800	Mg-R		6.91430719	6.91430719	mg/L	17865.18763977	0.03517026	0.50865916	90.45353555	0.51	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	6.87398472
Mn 257.610	Mn		0.51071280	0.51071280	mg/L	252907.51590448	0.01000505	1.95903648	4945.24684067	1.96	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.49950449
Mo 204.598	Mo		0.00228713	0.00228713	mg/L	54.65335466	0.00041688	18.22717566	5.42868300	9.93	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00257723
Na 589.592	Na-R		5.50101125	5.50101125	mg/L	61315.06802678	0.02049763	0.37261567	223.75088506	0.36	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	5.47795571
Ni 231.604	Ni		0.11737283	0.11737283	mg/L	3177.04851487	0.00299001	2.54744812	79.40355821	2.50	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.11394742
P 177.434	P		0.67588810	0.67588810	mg/L	489.38406099	0.01227011	1.81540602	8.75730439	1.79		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.66183545
Pb 220.353	Pb		0.64518526	0.64518526	mg/L	5983.11294942	0.01426410	2.21085285	144.47365082	2.41	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.62930150
S 181.972	S		3.93901634	3.93901634	mg/L	7529.39074975	0.05556888	1.41072989	102.93909275	1.37		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	3.87525260
Sb 206.834	Sb	u	-0.00919939	-0.00919939	mg/L	-68.95869285	0.00264230	28.72249321	13.02903107	18.89	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.00860220
Se 196.026	Se		0.01486469	0.01486469	mg/L	71.61942557	0.00088871	5.97869706	4.15641928	5.80	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01565345
Si 251.611	Si		9.62511521	9.62511521	mg/L	96804.40694736	0.22071606	2.29312645	2081.88286233	2.15		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	9.38896001
Sn 189.925	Sn		0.07296505	0.07296505	mg/L	1006.50337930	0.00272546	3.73530128	36.82871146	3.66	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.07008401
Sr 421.552	Sr-R		0.02120441	0.02120441	mg/L	10098.14615236	0.00010508	0.49554610	48.95554589	0.48	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.02110396
Ti 334.941	Ti		0.38352077	0.38352077	mg/L	138566.45448475	0.01451088	3.78359650	5219.87536816	3.77	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.36732477
Tl 190.794	Tl	u	-0.01093929	-0.01093929	mg/L	-49.84136463	0.00045368	4.14728678	1.95492850	3.92	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.01140896
V 292.401	V		0.01936880	0.01936880	mg/L	687.99536991	0.00031855	1.64466074	13.57837801	1.97	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.01906459
Zn 206.200	Zn		2.09747326	2.09747326	mg/L	143330.15804826	0.04914813	2.34320629	3354.02439994	2.34	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	2.04212577
Y 371.029	Y		0.90	0.90	Ratio	877265.31	0.01	1.35	11861.79	1.35		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.86	0.86	Ratio	202139.93	0.01	0.69	1398.90	0.69		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-006	Client ID:	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF
Seqnum:	673155023409	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:05
Cal:	673155023001	Caldate:	17-APR-2023		
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	3.192	160	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	878274	-10.37

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-006,311981	Rack:Tube:	4:38	Type:	Sample
Date Time:	4/18/2023 6:05:54 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]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00127369	-0.00127369	mg/L	329.64982797	0.00005288	4.15148324	4.88488814	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00132150
Al 396.152	Al		1.98584565	1.98584565	mg/L	87670.18947671	0.04353695	2.19236339	1892.19405825	2.16	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.93978555
As 188.980	As		0.02463140	0.02463140	mg/L	165.05825301	0.00123045	4.99544366	6.16238644	3.73	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.02362893
B 249.678	B		0.01080802	0.01080802	mg/L	2617.47317805	0.00054713	5.06230158	24.22132655	0.93	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01141264
Ba 230.424	Ba		0.01677248	0.01677248	mg/L	2166.97699901	0.00021153	1.26115466	23.46859894	1.08	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01654668
Be 313.107	Be		0.00004251	0.00004251	mg/L	398.42402433	0.00001247	29.34155178	31.44864617	7.89	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00002838
Ca 317.933	Ca-R		10.86572651	10.86572651	mg/L	162514.47882680	0.03047998	0.28051491	449.93007129	0.28	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	10.89291170
Cd 214.439	Cd		0.00021870	0.00021870	mg/L	193.20804727	0.00004689	21.43897137	10.55893448	5.47	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00021189
Co 230.786	Co		0.01024732	0.01024732	mg/L	514.56836349	0.00064211	6.26609664	31.07380779	6.04	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00981175
Cr 267.716	Cr		0.03372177	0.03372177	mg/L	2457.73906651	0.00070769	2.09860440	52.40772635	2.13	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.03291215
Cu 324.754	Cu		1.27310177	1.27310177	mg/L	60135.87202994	0.02737749	2.15045596	1277.89475401	2.13	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.24240294
Fe 259.940	Fe	o	42.27539083	42.27539083	mg/L	2903951.87124641	0.89788544	2.12389626	61669.20853858	2.12		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	41.28384506
K 766.491	K-R		2.74057321	2.74057321	mg/L	4363.69385547	0.00969135	0.35362476	15.68625359	0.36	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.73663048
Li 670.783	Li-R		0.00960535	0.00960535	mg/L	786.99963049	0.00028950	3.01394262	33.43705091	4.25	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00979654
Mg 279.800	Mg-R		4.45044720	4.45044720	mg/L	11498.63583229	0.00864825	0.19432311	22.24221955	0.19	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	4.45783896
Mn 257.610	Mn		0.41542904	0.41542904	mg/L	205848.80659548	0.00833900	2.00732352	4121.76218656	2.00	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.40602489
Mo 204.598	Mo		0.00212512	0.00212512	mg/L	50.39489478	0.00097716	45.98159804	12.72483965	25.25	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00258647
Na 589.592	Na-R		5.61978408	5.61978408	mg/L	62608.54363203	0.01039984	0.18505766	113.52403492	0.18	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	5.63074718
Ni 231.604	Ni		0.04843486	0.04843486	mg/L	1353.27084555	0.00127924	2.64116180	33.97191989	2.51	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.04702423
P 177.434	P		0.53806787	0.53806787	mg/L	390.93454104	0.00796810	1.48087212	5.68691182	1.45		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.52908168
Pb 220.353	Pb		3.19161933	3.19161933	mg/L	31770.54410125	0.05002455	1.56737200	506.67274276	1.59	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	3.13394824
S 181.972	S		4.06286726	4.06286726	mg/L	7764.21599632	0.02713926	0.66798289	50.27437254	0.65		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.03199086
Sb 206.834	Sb	u	-0.00977363	-0.00977363	mg/L	-84.92075007	0.00435559	44.56476241	21.47722757	25.29	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.01213816
Se 196.026	Se		0.01354975	0.01354975	mg/L	70.32169323	0.00129104	9.52813194	6.03804119	8.59	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01273318
Si 251.611	Si		4.09932317	4.09932317	mg/L	44691.65553207	0.08591477	2.09582811	810.38271335	1.81		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	4.18001160
Sn 189.925	Sn		0.05363794	0.05363794	mg/L	745.44135910	0.00130471	2.43243719	17.63030150	2.37	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.05241291
Sr 421.552	Sr-R		0.01996537	0.01996537	mg/L	9511.58289684	0.00004022	0.20146306	18.73977567	0.20	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.01995752
Ti 334.941	Ti		0.14709249	0.14709249	mg/L	53529.31273757	0.00408322	2.77595328	1468.82170274	2.74	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.15174829
Tl 190.794	Tl	u	-0.00779027	-0.00779027	mg/L	-36.64435519	0.00060717	7.79395413	2.61630248	7.14	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.00721406
V 292.401	V		0.00735965	0.00735965	mg/L	217.22882125	0.00027631	3.75443353	11.77797362	5.42	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00735465
Zn 206.200	Zn		6.13397702	6.13397702	mg/L	418750.89833419	0.11207740	1.82715716	7648.51827986	1.83	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	6.00565428
Y 371.029	Y		0.90	0.90	Ratio	878274.36	0.01	1.09	9587.05	1.09		-	-	-	Fitted	-	-	0.89
Y 371.029	Y-R		0.87	0.87	Ratio	204162.74	0.00	0.30	616.37	0.30		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-007	Client ID:	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF
Seqnum:	673155023410	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:09
Cal:	673155023001	Caldate:	17-APR-2023		
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	3.360	170	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	878766	-10.32

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-007,311981	Rack:Tube:	4:39	Type:	Sample
Date Time:	4/18/2023 6:09:10 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00132873	-0.00132873	mg/L	346.56928620	0.00021841	16.43725019	20.17687961	5.82		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00109105
Al 396.152	Al		1.78582345	1.78582345	mg/L	78980.85449102	0.04618696	2.58631151	2007.36799673	2.54	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.73626370
As 188.980	As		0.02831961	0.02831961	mg/L	183.16028976	0.00365664	12.91204861	18.31336909	10.00	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.02433042
B 249.678	B		0.01101529	0.01101529	mg/L	2652.28676005	0.00079716	7.23681640	35.28965841	1.33	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01193268
Ba 230.424	Ba		0.01596411	0.01596411	mg/L	2077.35535305	0.00021215	1.32893391	23.53800896	1.13	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01604095
Be 313.107	Be		0.00002192	0.00002192	mg/L	356.31475524	0.00001776	81.00409422	44.77151102	12.57	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00002093
Ca 317.933	Ca-R		10.79413726	10.79413726	mg/L	161433.91462460	0.00433094	0.04012310	63.93117546	0.04	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	10.79156113
Cd 214.439	Cd		0.00026973	0.00026973	mg/L	173.47708643	0.00006762	25.06782709	15.22652079	8.78	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00030507
Co 230.786	Co		0.00754950	0.00754950	mg/L	384.33625352	0.00051900	6.87465495	25.11631981	6.53	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00711140
Cr 267.716	Cr		0.02852176	0.02852176	mg/L	2070.13007115	0.00115840	4.06144443	85.78498232	4.14	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.02720020
Cu 324.754	Cu		1.36519395	1.36519395	mg/L	64438.91219746	0.04220745	3.09168154	1970.11020698	3.06	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.31897449
Fe 259.940	Fe	o	32.68960160	32.68960160	mg/L	2245565.76975621	0.94627977	2.89474245	64993.06238796	2.89		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	31.63838704
K 766.491	K-R		2.64635038	2.64635038	mg/L	4211.10291037	0.00760673	0.28744213	12.31212264	0.29	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.64425617
Li 670.783	Li-R		0.00993777	0.00993777	mg/L	760.26347667	0.00011814	1.18883836	13.64557407	1.79	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00995058
Mg 279.800	Mg-R		4.27242203	4.27242203	mg/L	11030.12086987	0.00507726	0.11883803	13.05808841	0.12	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	4.27828470
Mn 257.610	Mn		0.32193337	0.32193337	mg/L	159650.65026603	0.00984054	3.05670064	4863.93334274	3.05	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.31070158
Mo 204.598	Mo		0.00187910	0.00187910	mg/L	46.63724390	0.00019766	10.51867978	2.57392574	5.52	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00170602
Na 589.592	Na-R		5.55031052	5.55031052	mg/L	61847.33039361	0.01084456	0.19538646	118.37850826	0.19	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	5.54139565
Ni 231.604	Ni		0.03958587	0.03958587	mg/L	1120.72525486	0.00091146	2.30249250	24.20501918	2.16	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.03854575
P 177.434	P		0.60581275	0.60581275	mg/L	439.24240131	0.01543716	2.54817302	11.01765580	2.51		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.58935034
Pb 220.353	Pb		3.36026088	3.36026088	mg/L	33473.56470316	0.09575656	2.84967623	969.86856850	2.90	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	3.25936246
S 181.972	S		4.51018706	4.51018706	mg/L	8594.89773012	0.07110762	1.57660018	131.72397018	1.53		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.43021084
Sb 206.834	Sb	u	-0.01256251	-0.01256251	mg/L	-103.40087066	0.00162860	12.96399200	8.03056101	7.77	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.01077915
Se 196.026	Se		0.02019943	0.02019943	mg/L	103.14457639	0.00340936	16.87847762	15.94517794	15.46	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01633798
Si 251.611	Si		3.58906902	3.58906902	mg/L	39881.86014046	0.15170326	4.22681357	1430.92625799	3.59		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	3.41393780
Sn 189.925	Sn		0.05621249	0.05621249	mg/L	780.27170516	0.00138786	2.46895203	18.75389716	2.40	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.05472357
Sr 421.552	Sr-R		0.01959355	0.01959355	mg/L	9335.75707444	0.00011180	0.57057779	52.08581654	0.56	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.01972260
Ti 334.941	Ti		0.12011623	0.12011623	mg/L	43829.15808024	0.00615671	5.12562814	2214.70153528	5.05	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.12662874
Tl 190.794	Tl	u	-0.00889754	-0.00889754	mg/L	-41.55177603	0.00146177	16.42892239	6.29878095	15.16	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.01049927
V 292.401	V		0.00595395	0.00595395	mg/L	172.18753021	0.00031637	5.31363630	13.48545429	7.83	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00562813
Zn 206.200	Zn		6.53575207	6.53575207	mg/L	446154.65353301	0.18682491	2.85850674	12749.52629485	2.86	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	6.34178569
Y 371.029	Y		0.90	0.90	Ratio	878765.84	0.01	1.19	10475.50	1.19		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.87	0.87	Ratio	204151.44	0.00	0.16	317.17	0.16		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-009	Client ID:	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-WF
Seqnum:	673155023411	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:12
Cal:	673155023001	Caldate:	17-APR-2023		
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	1.330	67	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	877446	-10.45

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-009,311981	Rack:Tube:	4:40	Type:	Sample
Date Time:	4/18/2023 6:12:25 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00090773	-0.00090773	mg/L	301.26891671	0.00008190	9.02281740	7.56636282	2.51		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00099306
Al 396.152	Al		2.35851289	2.35851289	mg/L	103855.51324706	0.05613235	2.37998917	2439.61266349	2.35	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	2.29773210
As 188.980	As		0.02287878	0.02287878	mg/L	157.38280710	0.00138208	6.04089584	6.92181425	4.40	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.02129985
B 249.678	B		0.01044817	0.01044817	mg/L	2530.26897110	0.00014937	1.42959774	6.61238606	0.26	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01061090
Ba 230.424	Ba		0.01261169	0.01261169	mg/L	1704.82247762	0.00030969	2.45554515	34.35918583	2.02	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01228467
Be 313.107	Be		0.00006977	0.00006977	mg/L	439.95241301	0.00001148	16.45656539	28.94879070	6.58	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00008059
Ca 317.933	Ca-R		9.76283833	9.76283833	mg/L	146301.12404512	0.07162469	0.73364618	1057.28738895	0.72	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	9.75553634
Cd 214.439	Cd	u	-0.00026625	-0.00026625	mg/L	171.99888913	0.00012275	46.10300977	27.64222521	16.07	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.00040301
Co 230.786	Co		0.01500477	0.01500477	mg/L	743.80803124	0.00030700	2.04598410	14.85656548	2.00	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.01465299
Cr 267.716	Cr		0.02992647	0.02992647	mg/L	2183.65436283	0.00057396	1.91788980	42.50436527	1.95	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.02935746
Cu 324.754	Cu		0.54610091	0.54610091	mg/L	26188.42651913	0.01212424	2.22014662	565.92120730	2.16	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.70457920664	46676.8363728796	0.53284495
Fe 259.940	Fe	o	66.64189186	66.64189186	mg/L	4577513.87244698	1.28935587	1.93475281	88556.45984779	1.93		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	65.24423359
K 766.491	K-R		2.51989389	2.51989389	mg/L	4006.43431915	0.04124203	1.63665750	66.75368092	1.67	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.54438945
Li 670.783	Li-R		0.00731649	0.00731649	mg/L	700.29408903	0.00038460	5.25666160	44.42144604	6.34	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00687340
Mg 279.800	Mg-R		4.72391253	4.72391253	mg/L	12232.04910883	0.04054412	0.85827413	104.27444293	0.85	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	4.73912587
Mn 257.610	Mn		0.54823247	0.54823247	mg/L	271448.42852750	0.01179076	2.15068679	5827.88034301	2.15	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.53498179
Mo 204.598	Mo		0.00179517	0.00179517	mg/L	47.57231869	0.00059696	33.25339066	7.77368449	16.34	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00229292
Na 589.592	Na-R		5.83412789	5.83412789	mg/L	64921.24205714	0.04571118	0.78351357	498.98051106	0.77	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	5.83728284
Ni 231.604	Ni		0.04879364	0.04879364	mg/L	1355.92257654	0.00090527	1.85530234	24.04057911	1.77	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.04809867
P 177.434	P		0.54479808	0.54479808	mg/L	395.86573820	0.01386467	2.54491882	9.89535500	2.50		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.52882917
Pb 220.353	Pb		1.33035786	1.33035786	mg/L	12933.51015498	0.02506235	1.88388046	253.84358421	1.96	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.30237613
S 181.972	S		4.19489965	4.19489965	mg/L	8003.04454172	0.05242984	1.24984725	97.12414345	1.21		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.13702070
Sb 206.834	Sb	u	-0.00824884	-0.00824884	mg/L	-64.11055551	0.00243346	29.50060295	11.99926063	18.72	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.00632045
Se 196.026	Se		0.01608326	0.01608326	mg/L	77.31449070	0.00086408	5.37252768	4.04119430	5.23	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01592030
Si 251.611	Si		5.30071053	5.30071053	mg/L	56014.87216180	0.09242348	1.74360543	871.77548284	1.56		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.20267004
Sn 189.925	Sn		0.08227465	0.08227465	mg/L	1132.25649757	0.00207678	2.52420056	28.06311747	2.48	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.07989722
Sr 421.552	Sr-R		0.01760856	0.01760856	mg/L	8411.32780354	0.00021202	1.20406833	98.77945340	1.17	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.01741130
Ti 334.941	Ti		0.22864065	0.22864065	mg/L	82854.29205163	0.01112958	4.86771740	4003.54976314	4.83	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.24004116
Tl 190.794	Tl	u	-0.00693828	-0.00693828	mg/L	-32.58901191	0.00077306	11.14200140	3.33114067	10.22	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.00718456
V 292.401	V		0.00896088	0.00896088	mg/L	243.38592762	0.00034320	3.82996071	14.62897287	6.01	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00857310
Zn 206.200	Zn		6.35267321	6.35267321	mg/L	433716.50422859	0.09520446	1.49865189	6497.05496838	1.50	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	6.24292730
Y 371.029	Y		0.90	0.90	Ratio	877446.38	0.01	1.28	11218.88	1.28		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.87	0.87	Ratio	203083.70	0.01	0.66	1347.97	0.66		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-010	Client ID:	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-DUP-WF
Seqnum:	673155023412	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:15
Cal:	673155023001	Caldate:	17-APR-2023		
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	1.548	77	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	885318	-9.65

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-010,311981	Rack:Tube:	4:41	Type:	Sample
Date Time:	4/18/2023 6:15:41 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]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00077815	-0.00077815	mg/L	295.17107891	0.00002731	3.50959228	2.52293153	0.85		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00074675
Al 396.152	Al		2.14339773	2.14339773	mg/L	94502.92026625	0.04054647	1.89169137	1762.22230264	1.86	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	2.09731393
As 188.980	As		0.02514680	0.02514680	mg/L	169.03476271	0.00315788	12.55776716	15.81542820	9.36	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.02523116
B 249.678	B		0.01143709	0.01143709	mg/L	2553.26227142	0.00065491	5.72616658	28.99235350	1.14	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01192500
Ba 230.424	Ba		0.01586195	0.01586195	mg/L	2064.81450901	0.00022246	1.40248938	24.68185941	1.20	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01576466
Be 313.107	Be		0.00009338	0.00009338	mg/L	491.66049142	0.00000817	8.75450637	20.61157646	4.19	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00010282
Ca 317.933	Ca-R		9.67278025	9.67278025	mg/L	144990.93285333	0.01639289	0.16947441	241.98349745	0.17	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	9.67776889
Cd 214.439	Cd	u	-0.00027623	-0.00027623	mg/L	195.31394669	0.00003874	14.02507407	8.72439189	4.47	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.00031956
Co 230.786	Co		0.01640943	0.01640943	mg/L	811.46870300	0.00036694	2.23612239	17.75726335	2.19	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.01608767
Cr 267.716	Cr		0.03346360	0.03346360	mg/L	2447.56931583	0.00043069	1.28703329	31.89457120	1.30	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.03298715
Cu 324.754	Cu		0.23635751	0.23635751	mg/L	11726.65318419	0.00331104	1.40086180	154.54896688	1.32	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.23253544
Fe 259.940	Fe	o	74.51899999	74.51899999	mg/L	5118539.50606247	1.24487347	1.67054506	85501.28791754	1.67		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	73.08843464
K 766.491	K-R		2.75720387	2.75720387	mg/L	4390.53870971	0.03771648	1.36792486	61.04727529	1.39	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.73191069
Li 670.783	Li-R		0.00752847	0.00752847	mg/L	776.30374992	0.00067027	8.90314733	77.41588927	9.97	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00686281
Mg 279.800	Mg-R		4.86176234	4.86176234	mg/L	12595.32565200	0.01513084	0.31122123	38.91463438	0.31	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	4.85225729
Mn 257.610	Mn		0.59291071	0.59291071	mg/L	293519.97253785	0.00924770	1.55971127	4570.90513272	1.56	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.58231845
Mo 204.598	Mo		0.00507509	0.00507509	mg/L	90.64382143	0.00035282	6.95191764	4.59444479	5.07	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00505810
Na 589.592	Na-R		6.31232045	6.31232045	mg/L	70154.17914616	0.00275074	0.04357739	30.02696102	0.04	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	6.31059275
Ni 231.604	Ni		0.04933602	0.04933602	mg/L	1368.34335130	0.00053782	1.09012333	14.28258289	1.04	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.04890175
P 177.434	P		0.52319739	0.52319739	mg/L	380.48638215	0.00186591	0.35663517	1.33171598	0.35		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.52183594
Pb 220.353	Pb		1.54768462	1.54768462	mg/L	15140.47100148	0.01920525	1.24090181	194.51999784	1.28	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.52569473
S 181.972	S		3.96693911	3.96693911	mg/L	7579.02908591	0.01863632	0.46979092	34.52302507	0.46		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	3.95088246
Sb 206.834	Sb	u	-0.01143996	-0.01143996	mg/L	-75.95040773	0.00156246	13.65787822	7.70439185	10.14	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.01008506
Se 196.026	Se		0.01545339	0.01545339	mg/L	72.96630549	0.00316046	20.45156293	14.78111739	20.26	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01779431
Si 251.611	Si		4.98818630	4.98818630	mg/L	53064.45277900	0.05835813	1.16992680	550.45738628	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	4.93841268
Sn 189.925	Sn		0.07104886	0.07104886	mg/L	980.53307350	0.00221200	3.11334876	29.89034300	3.05	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.06855148
Sr 421.552	Sr-R		0.01815394	0.01815394	mg/L	8666.36214931	0.00007815	0.43047343	36.40901290	0.42	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.01815702
Ti 334.941	Ti		0.22097533	0.22097533	mg/L	80093.86059099	0.01007900	4.56114394	3625.63438654	4.53	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.21929826
Tl 190.794	Tl	u	-0.00822255	-0.00822255	mg/L	-38.01126373	0.00052232	6.35228938	2.25068290	5.92	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.00869785
V 292.401	V		0.01031558	0.01031558	mg/L	288.86448053	0.00037626	3.64745819	16.03809056	5.55	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.01000646
Zn 206.200	Zn		5.87178896	5.87178896	mg/L	400911.12607707	0.05937747	1.01123297	4052.10712276	1.01	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	5.80574085
Y 371.029	Y		0.90	0.90	Ratio	885318.17	0.01	1.30	11467.04	1.30		-	-	-	Fitted	-	-	0.89
Y 371.029	Y-R		0.86	0.86	Ratio	202114.64	0.00	0.46	924.02	0.46		-	-	-	Fitted	-	-	0.86

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-013	Client ID:	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA
Seqnum:	673155023413	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:18
Cal:	673155023001	Caldate:	17-APR-2023		
IDF:	1.0	Raw Units:	mg/L	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.349	120	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	881654	-10.03

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label: 483449-013,311981 | Rack:Tube: 4:42 | Type: Sample
Date Time: 4/18/2023 6:18:56 PM | Weight: 1 | Volume: 1
Dilution: 1 | %RSE limit: - | Calibration Coefficient [3]: -
LIMSID: | 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]	Concentration Replicate 1
Ag 328.068	Ag		0.00112144	0.00112144	mg/L	292.27446776	0.00012162	10.84458085	11.23510169	3.84		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.0009811
Al 396.152	Al		3.94472808	3.94472808	mg/L	172759.89151926	0.06460811	1.63783428	2807.98427513	1.63	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	3.8731150
As 188.980	As		0.06258788	0.06258788	mg/L	359.49724520	0.00127743	2.04101490	6.39767558	1.78	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.0618339
B 249.678	B		0.01245474	0.01245474	mg/L	2389.34812173	0.00116070	9.31936074	51.38364030	2.15	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.0137842
Ba 230.424	Ba		0.01826334	0.01826334	mg/L	2331.06346134	0.00012870	0.70470123	14.27930079	0.61	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.0181159
Be 313.107	Be		0.00009579	0.00009579	mg/L	418.11895374	0.00001298	13.54609495	32.71787045	7.83	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.0001007
Ca 317.933	Ca-R		11.96694975	11.96694975	mg/L	179049.41250696	0.08806042	0.73586350	1299.90323790	0.73	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	12.024265
Cd 214.439	Cd		0.00034361	0.00034361	mg/L	588.31996528	0.00003055	8.89052888	6.87948195	1.17	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.0003330
Co 230.786	Co		0.02519300	0.02519300	mg/L	1233.93384635	0.00044423	1.76329794	21.49772450	1.74	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.0248561
Cr 267.716	Cr		0.10692764	0.10692764	mg/L	7908.51974572	0.00132158	1.23595833	97.86968149	1.24	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.1054101
Cu 324.754	Cu		2.02726783	2.02726783	mg/L	95284.81744966	0.03383883	1.66918378	1579.48932865	1.66	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.9893577
Fe 259.940	Fe	o	145.19476695	145.19476695	mg/L	9972796.48663042	2.02141900	1.39221202	138836.54140313	1.39		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	142.94121
K 766.491	K-R		2.74366596	2.74366596	mg/L	4369.47836566	0.01515032	0.55219257	24.52206032	0.56	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.7470649
Li 670.783	Li-R		0.00319275	0.00319275	mg/L	807.60229466	0.00058391	18.28877383	67.44181411	8.35	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.0038558
Mg 279.800	Mg-R		6.01307108	6.01307108	mg/L	15642.78035196	0.04778152	0.79462751	122.88813234	0.79	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	6.0483666
Mn 257.610	Mn		0.90730054	0.90730054	mg/L	448797.68905278	0.01526130	1.68205578	7543.28071498	1.68	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.8897909
Mo 204.598	Mo		0.00291389	0.00291389	mg/L	67.07863163	0.00019615	6.73140679	2.55425390	3.81	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.0028742
Na 589.592	Na-R		6.18555310	6.18555310	mg/L	68766.49980719	0.05992685	0.96881956	654.15784182	0.95	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	6.2149047
Ni 231.604	Ni		0.79874312	0.79874312	mg/L	21249.83884408	0.01263227	1.58151854	335.46596265	1.58	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.7846018
P 177.434	P		0.64617320	0.64617320	mg/L	468.59924823	0.00238124	0.36851485	1.69951817	0.36		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.6466871
Pb 220.353	Pb		2.34926449	2.34926449	mg/L	23299.71732630	0.03416812	1.45441760	346.07115878	1.49	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	2.3109088
S 181.972	S		4.86382862	4.86382862	mg/L	9223.95236257	0.02801054	0.57589492	51.88839018	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.8317663
Sb 206.834	Sb		0.02549890	0.02549890	mg/L	144.59219998	0.00201106	7.88686015	9.91645331	6.86	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.0240607
Se 196.026	Se		0.01655815	0.01655815	mg/L	64.12922730	0.00104452	6.30817494	4.88508951	7.62	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.0165120
Si 251.611	Si		7.68835185	7.68835185	mg/L	78508.06759772	0.06185735	0.80455929	583.46344703	0.74		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	7.6169251
Sn 189.925	Sn		0.16307163	0.16307163	mg/L	2223.70391519	0.00287356	1.76214406	38.82986230	1.75	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.1597535
Sr 421.552	Sr-R		0.02019488	0.02019488	mg/L	9648.88614286	0.00015438	0.76446160	71.92641744	0.75	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.0202220
Ti 334.941	Ti		0.30078365	0.30078365	mg/L	108771.13410202	0.02467437	8.20336221	8875.90308434	8.16	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.2765322
Tl 190.794	Tl	u	-0.00961599	-0.00961599	mg/L	-42.90703857	0.00068749	7.14940686	2.96238772	6.90	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.010007
V 292.401	V		0.01626801	0.01626801	mg/L	421.94183050	0.00027717	1.70374816	11.81431827	2.80	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.0159809
Zn 206.200	Zn		5.77853017	5.77853017	mg/L	394665.95737644	0.07355930	1.27297596	5019.92059627	1.27	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	5.6951854
Y 371.029	Y		0.90	0.90	Ratio	881653.67	0.01	1.27	11205.57	1.27		-	-	-	Fitted	-	-	0.89
Y 371.029	Y-R		0.87	0.87	Ratio	203874.58	0.01	0.70	1426.97	0.70		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-015	Client ID:	AFRAME-C4E-MED-L3-INT-0 TO 1-230414-L-WF
Seqnum:	673155023416	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:28
Cal:	673155023001	Caldate:	17-APR-2023		
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	1.934	97	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	890279	-9.15

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label: 483449-015,311981 | Rack:Tube: 4:43 | Type: Sample
Date Time: 4/18/2023 6:28:39 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]	Concentration Replicate 1
Ag 328.068	Ag	u	0.00001510	0.00001510	mg/L	282.45666270	0.00004022	266.40251658	3.71531815	1.32		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.0000504
Al 396.152	Al		1.82984259	1.82984259	mg/L	80859.73113690	0.02323130	1.26957939	1009.67415425	1.25	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.8053323
As 188.980	As		0.03042688	0.03042688	mg/L	196.89688974	0.00088668	2.91414913	4.44073592	2.26	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.0295250
B 249.678	B		0.01066203	0.01066203	mg/L	2419.30475048	0.00071465	6.70274292	31.63707243	1.31	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.0111757
Ba 230.424	Ba		0.01330992	0.01330992	mg/L	1779.85864920	0.00022304	1.67575009	24.74608460	1.39	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.0131646
Be 313.107	Be		0.00006662	0.00006662	mg/L	386.98263067	0.00000796	11.94436076	20.06347493	5.18	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.0000660
Ca 317.933	Ca-R		10.21015350	10.21015350	mg/L	153015.16043648	0.07461558	0.73079783	1101.43739692	0.72	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	10.242575
Cd 214.439	Cd	u	-0.00007382	-0.00007382	mg/L	362.89514214	0.00007748	104.95648726	17.44890769	4.81	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.000071
Co 230.786	Co		0.02484850	0.02484850	mg/L	1218.40381456	0.00046683	1.87870096	22.59148097	1.85	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.0251708
Cr 267.716	Cr		0.07428399	0.07428399	mg/L	5480.07960346	0.00072209	0.97206936	53.47451410	0.98	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.0745602
Cu 324.754	Cu		0.43030125	0.43030125	mg/L	20760.68229706	0.00470517	1.09346027	219.62259788	1.06	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.4251496
Fe 259.940	Fe	o	109.92710159	109.92710159	mg/L	7550441.81270074	0.52223362	0.47507268	35868.42225219	0.48		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	109.40184
K 766.491	K-R		2.65118055	2.65118055	mg/L	4218.90832630	0.01583105	0.59713209	25.62387920	0.61	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.6694596
Li 670.783	Li-R		0.00501752	0.00501752	mg/L	732.80614583	0.00043910	8.75142154	50.71634668	6.92	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.0054540
Mg 279.800	Mg-R		4.25095284	4.25095284	mg/L	11066.06639490	0.02931165	0.68953118	75.38591435	0.68	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	4.2606664
Mn 257.610	Mn		0.75470386	0.75470386	mg/L	373431.76590386	0.00865456	1.14674890	4277.73233311	1.15	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.7447124
Mo 204.598	Mo		0.00500458	0.00500458	mg/L	91.62898679	0.00092500	18.48300670	12.04548766	13.15	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.0051072
Na 589.592	Na-R		5.71302209	5.71302209	mg/L	63588.09134922	0.05402333	0.94561738	589.71539445	0.93	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	5.7283712
Ni 231.604	Ni		0.09345052	0.09345052	mg/L	2530.29220980	0.00080328	0.85957389	21.33201989	0.84	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.0925244
P 177.434	P		0.49361013	0.49361013	mg/L	359.55517494	0.00846854	1.71563318	6.04408242	1.68		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.4889581
Pb 220.353	Pb		1.93429277	1.93429277	mg/L	19080.35850036	0.02084422	1.07761477	211.12035836	1.11	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.9107324
S 181.972	S		4.14916905	4.14916905	mg/L	7908.50314100	0.00813866	0.19615162	15.07654090	0.19		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.1397853
Sb 206.834	Sb	u	-0.00685055	-0.00685055	mg/L	-34.79255049	0.00116041	16.93888685	5.72191044	16.45	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.008159
Se 196.026	Se		0.00902918	0.00902918	mg/L	36.18376651	0.00108050	11.96677295	5.05338724	13.97	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.0083655
Si 251.611	Si		3.63773710	3.63773710	mg/L	40314.24124584	0.04758751	1.30816236	448.86455024	1.11		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	3.6634894
Sn 189.925	Sn		0.06953612	0.06953612	mg/L	959.91700627	0.00047254	0.67956546	6.38539485	0.67	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.0690566
Sr 421.552	Sr-R		0.01709774	0.01709774	mg/L	8185.22317242	0.00025449	1.48841820	118.56465339	1.45	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.0171699
Ti 334.941	Ti		0.13955240	0.13955240	mg/L	50789.83349369	0.03896994	27.92495150	14018.32677457	27.60	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.1236459
Tl 190.794	Tl	u	-0.00779859	-0.00779859	mg/L	-35.64530444	0.00095200	12.20735208	4.10218670	11.51	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.006701
V 292.401	V		0.00934906	0.00934906	mg/L	189.23988964	0.00040183	4.29811396	17.12830834	9.05	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.0089244
Zn 206.200	Zn		3.70331702	3.70331702	mg/L	252984.05072204	0.03625398	0.97895962	2474.08678269	0.98	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	3.6614547
Y 371.029	Y		0.91	0.91	Ratio	890278.74	0.01	0.84	7500.45	0.84		-	-	-	Fitted	-	-	0.90
Y 371.029	Y-R		0.87	0.87	Ratio	203519.70	0.01	0.59	1202.11	0.59		-	-	-	Fitted	-	-	0.87

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-018	Client ID:	AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-L-LA
Seqnum:	673155023417	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:31
Cal:	673155023001	Caldate:	17-APR-2023		
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	1.377	69	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	884957	-9.69

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-018,311981	Rack:Tube:	4:44	Type:	Sample
Date Time:	4/18/2023 6:31:55 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMSID:		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]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00061995	-0.00061995	mg/L	282.35327256	0.00057363	92.52942696	52.99343639	18.77		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00127912
Al 396.152	Al		2.97604007	2.97604007	mg/L	130686.06803398	0.07469965	2.51003501	3246.58065295	2.48	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	2.89239841
As 188.980	As		0.04877529	0.04877529	mg/L	287.85110644	0.00172831	3.54341586	8.65581177	3.01	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.04684250
B 249.678	B		0.00995588	0.00995588	mg/L	2455.46401603	0.00099735	10.01770152	44.15213073	1.80	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01109335
Ba 230.424	Ba		0.01521893	0.01521893	mg/L	1994.22837511	0.00042271	2.77751448	46.89884775	2.35	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01473987
Be 313.107	Be		0.00005833	0.00005833	mg/L	390.61415401	0.00000737	12.64114764	18.59110436	4.76	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00006290
Ca 317.933	Ca-R		9.75328972	9.75328972	mg/L	146209.62831810	0.02468603	0.25310468	364.40270270	0.25	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	9.75677874
Cd 214.439	Cd	u	-0.00033081	-0.00033081	mg/L	221.98456152	0.00009747	29.46393305	21.94939042	9.89	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.00038070
Co 230.786	Co		0.01597223	0.01597223	mg/L	789.99239916	0.00043617	2.73077641	21.10758832	2.67	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.01563389
Cr 267.716	Cr		0.06412269	0.06412269	mg/L	4721.32193874	0.00141185	2.20179530	104.55457409	2.21	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.06256904
Cu 324.754	Cu		0.35100978	0.35100978	mg/L	17073.18160040	0.00814945	2.32171542	380.39046423	2.23	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.34171825
Fe 259.940	Fe	o	85.55472020	85.55472020	mg/L	5876529.74491969	2.13915009	2.50032971	146922.63241705	2.50		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	83.14341753
K 766.491	K-R		2.90149451	2.90149451	mg/L	4624.32290565	0.01061117	0.36571395	17.17506697	0.37	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.91137982
Li 670.783	Li-R		0.00714417	0.00714417	mg/L	816.45996113	0.00053940	7.55025989	62.30076721	7.63	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00653990
Mg 279.800	Mg-R		5.55831517	5.55831517	mg/L	14400.05489970	0.00819226	0.14738743	21.06946992	0.15	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	5.55313211
Mn 257.610	Mn		0.61033292	0.61033292	mg/L	302113.93780552	0.01456971	2.38717496	7201.44665541	2.38	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.59362712
Mo 204.598	Mo		0.00197858	0.00197858	mg/L	51.14915700	0.00026433	13.35974039	3.44219791	6.73	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00188114
Na 589.592	Na-R		7.72383921	7.72383921	mg/L	85557.69376353	0.03770616	0.48817893	411.59810404	0.48	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	7.72936760
Ni 231.604	Ni		0.52544966	0.52544966	mg/L	14009.06668287	0.01312723	2.49828531	348.61028010	2.49	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.51085705
P 177.434	P		0.56109339	0.56109339	mg/L	407.57858930	0.01011674	1.80303956	7.22041707	1.77		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.54942692
Pb 220.353	Pb		1.37689432	1.37689432	mg/L	13414.53964261	0.03335827	2.42271851	337.86868100	2.52	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.33972825
S 181.972	S		4.06385202	4.06385202	mg/L	7756.08884389	0.05649704	1.39023371	104.65847102	1.35		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.00012011
Sb 206.834	Sb		0.01474500	0.01474500	mg/L	59.03288393	0.00136044	9.22643577	6.70825491	11.36	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.01441347
Se 196.026	Se		0.01280379	0.01280379	mg/L	58.41962467	0.00164696	12.86307197	7.70265344	13.19	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01439387
Si 251.611	Si		6.13789538	6.13789538	mg/L	63905.07972039	0.07627768	1.24273341	719.48179212	1.13		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	6.04982137
Sn 189.925	Sn		0.08006618	0.08006618	mg/L	1102.33269618	0.00281703	3.51837960	38.06605133	3.45	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.07687360
Sr 421.552	Sr-R		0.01906647	0.01906647	mg/L	9094.67951464	0.00003622	0.18996782	16.87492447	0.19	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.01909270
Ti 334.941	Ti		0.21937321	0.21937321	mg/L	79512.73623472	0.01815482	8.27576704	6530.67808416	8.21	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.20568646
Tl 190.794	Tl	u	-0.00767651	-0.00767651	mg/L	-35.49090712	0.00068889	8.97402903	2.96844583	8.36	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.00747791
V 292.401	V		0.01239752	0.01239752	mg/L	359.17790969	0.00002374	0.19146327	1.01178691	0.28	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.01237369
Zn 206.200	Zn		3.53389358	3.53389358	mg/L	241384.46387229	0.07574694	2.14344149	5169.21219475	2.14	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	3.45100630
Y 371.029	Y		0.90	0.90	Ratio	884956.83	0.01	1.12	9868.10	1.12		-	-	-	Fitted	-	-	0.89
Y 371.029	Y-R		0.88	0.88	Ratio	205005.85	0.00	0.17	339.03	0.17		-	-	-	Fitted	-	-	0.88

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-020	Client ID:	AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-L-LA
Seqnum:	673155023418	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:35
Cal:	673155023001	Caldate:	17-APR-2023		
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	3.413	170	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	873382	-10.87

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label: 483449-020,311981 | Rack:Tube: 4:45 | Type: Sample
Date Time: 4/18/2023 6:35:10 PM | Weight: 1 | Volume: 1
Dilution: 1 | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concent Replicat
Ag 328.068	Ag		0.00018132	0.00018132	mg/L	286.21615773	0.00005099	28.12101682	4.71049492	1.65		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.0002
Al 396.152	Al		3.71985553	3.71985553	mg/L	163001.41923113	0.09042259	2.43080921	3929.92797444	2.41	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	3.6203
As 188.980	As		0.05140341	0.05140341	mg/L	302.06226012	0.00061619	1.19873805	3.08604323	1.02	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.0520
B 249.678	B		0.01235456	0.01235456	mg/L	2477.40867847	0.00057376	4.64410299	25.39996117	1.03	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.0130
Ba 230.424	Ba		0.01865252	0.01865252	mg/L	2375.37343457	0.00039250	2.10428972	43.54764799	1.83	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.0182
Be 313.107	Be		0.00006759	0.00006759	mg/L	382.10982792	0.00000813	12.02505029	20.49335451	5.36	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.0000
Ca 317.933	Ca-R		13.38898130	13.38898130	mg/L	199954.09808287	0.01417633	0.10588054	209.26374241	0.10	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	13.403
Cd 214.439	Cd	u	-0.00027150	-0.00027150	mg/L	335.48673067	0.00004067	14.97964508	9.15863471	2.73	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.000
Co 230.786	Co		0.01776786	0.01776786	mg/L	875.93648239	0.00030600	1.72220939	14.80839494	1.69	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.0174
Cr 267.716	Cr		0.05888983	0.05888983	mg/L	4342.09469221	0.00209615	3.55944088	155.23027976	3.58	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.0567
Cu 324.754	Cu		0.49925743	0.49925743	mg/L	23979.71550193	0.01097903	2.19907285	512.46659734	2.14	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.4873
Fe 259.940	Fe	o	113.87435834	113.87435834	mg/L	7821629.11175662	2.27943665	2.00171196	156557.89395296	2.00		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	111.27
K 766.491	K-R		2.97024858	2.97024858	mg/L	4736.37915300	0.03091338	1.04076734	50.03588817	1.06	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	3.0042
Li 670.783	Li-R		0.00519755	0.00519755	mg/L	809.99932524	0.00031135	5.99023007	35.96018732	4.44	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.0053
Mg 279.800	Mg-R		5.92664397	5.92664397	mg/L	15381.40127575	0.00530685	0.08954227	13.64856383	0.09	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	5.9307
Mn 257.610	Mn		0.74065707	0.74065707	mg/L	366484.59860039	0.01776824	2.39898360	8782.39884108	2.40	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.7214
Mo 204.598	Mo		0.00301360	0.00301360	mg/L	66.53556502	0.00049876	16.55043157	6.49501356	9.76	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.0029
Na 589.592	Na-R		6.40194317	6.40194317	mg/L	71141.26926088	0.01480181	0.23120803	161.57562149	0.23	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	6.4131
Ni 231.604	Ni		0.16500715	0.16500715	mg/L	4429.09205379	0.00318879	1.93251513	84.68231010	1.91	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.1614
P 177.434	P		0.63374608	0.63374608	mg/L	459.55994271	0.00741381	1.16983978	5.29131413	1.15		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.6252
Pb 220.353	Pb		3.41348925	3.41348925	mg/L	34058.26323925	0.06088224	1.78357790	616.64468423	1.81	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	3.3534
S 181.972	S		4.43925249	4.43925249	mg/L	8444.96365768	0.03317292	0.74726366	61.45148705	0.73		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.4014
Sb 206.834	Sb	u	-0.00034368	-0.00034368	mg/L	-0.12127556	0.00059351	172.69182675	2.92656606	> 100.00	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.0001
Se 196.026	Se		0.01181346	0.01181346	mg/L	48.24423556	0.00090105	7.62734237	4.21412308	8.73	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.0116
Si 251.611	Si		7.41120696	7.41120696	mg/L	75905.30328998	0.14982812	2.02164267	1413.23923954	1.86		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	7.2489
Sn 189.925	Sn		0.08232361	0.08232361	mg/L	1132.76191630	0.00146827	1.78353681	19.84049523	1.75	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.0808
Sr 421.552	Sr-R		0.02337429	0.02337429	mg/L	11132.78794832	0.00008206	0.35106030	38.23065571	0.34	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.0234
Ti 334.941	Ti		0.31634746	0.31634746	mg/L	114382.28134771	0.00529814	1.67478462	1905.85455907	1.67	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.3128
Tl 190.794	Tl	u	-0.00859136	-0.00859136	mg/L	-38.99270457	0.00167788	19.52986823	7.23001082	18.54	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.010
V 292.401	V		0.01352252	0.01352252	mg/L	359.66761261	0.00022821	1.68766396	9.72774721	2.70	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.0132
Zn 206.200	Zn		11.47831030	11.47831030	mg/L	783583.97207243	0.21532724	1.87594893	14694.61565607	1.88	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	11.241
Y 371.029	Y		0.89	0.89	Ratio	873382.43	0.01	0.98	8530.99	0.98		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.86	0.86	Ratio	201658.93	0.00	0.20	399.39	0.20		-	-	-	Fitted	-	-	0.86

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-022	Client ID:	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF
Seqnum:	673155023419	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:38
Cal:	673155023001	Caldate:	17-APR-2023		
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	3.455	170	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	876120	-10.59

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-022,311981	Rack:Tube:	4:46	Type:	Sample
Date Time:	4/18/2023 6:38:25 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00031171	-0.00031171	mg/L	334.33047503	0.00028581	91.69152355	26.40373684	7.90		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00064139
Al 396.152	Al		6.11348367	6.11348367	mg/L	267049.95486112	0.10601756	1.73415961	4607.71349746	1.73	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	5.99805036
As 188.980	As		0.02496682	0.02496682	mg/L	168.09865508	0.00078501	3.14420769	3.93151775	2.34	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.02520288
B 249.678	B		0.01250787	0.01250787	mg/L	2590.13316270	0.00043870	3.50742916	19.42120800	0.75	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01272504
Ba 230.424	Ba		0.03084157	0.03084157	mg/L	3732.83414640	0.00061877	2.00627542	68.65128336	1.84	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.03014496
Be 313.107	Be		0.00007491	0.00007491	mg/L	439.16815221	0.00000599	7.98998920	15.09062655	3.44	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00008043
Ca 317.933	Ca-R		14.89873128	14.89873128	mg/L	222142.47653917	0.03023079	0.20290847	446.25156567	0.20	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	14.93132220
Cd 214.439	Cd	u	-0.00005260	-0.00005260	mg/L	252.45245952	0.00004459	84.77494524	10.04092284	3.98	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.00000776
Co 230.786	Co		0.01878232	0.01878232	mg/L	926.96974641	0.00077824	4.14349769	37.66197886	4.06	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.01789509
Cr 267.716	Cr		0.06092180	0.06092180	mg/L	4482.83354538	0.00124329	2.04079038	92.07155435	2.05	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.06156564
Cu 324.754	Cu		0.20565109	0.20565109	mg/L	10297.75528677	0.00393075	1.91136950	183.47507365	1.78	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.20167350
Fe 259.940	Fe	o	76.36189249	76.36189249	mg/L	5245250.97094645	1.39913591	1.83224363	96096.45075184	1.83		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	74.74735815
K 766.491	K-R		3.56492782	3.56492782	mg/L	5699.71859991	0.02385442	0.66914165	38.61037039	0.68	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	3.55038561
Li 670.783	Li-R		0.00863292	0.00863292	mg/L	956.60574089	0.00006361	0.73679869	7.34660241	0.77	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00862276
Mg 279.800	Mg-R		7.78927166	7.78927166	mg/L	20126.50600250	0.02895343	0.37170913	74.46463803	0.37	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	7.82261870
Mn 257.610	Mn		1.06736868	1.06736868	mg/L	528035.87166766	0.04978736	4.66449544	24608.65241563	4.66	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.02764892
Mo 204.598	Mo		0.00145390	0.00145390	mg/L	44.71849954	0.00040556	27.89490058	5.28132311	11.81	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00103849
Na 589.592	Na-R		7.11330178	7.11330178	mg/L	78986.17230273	0.01027982	0.14451546	112.21389734	0.14	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	7.10319445
Ni 231.604	Ni		0.05550111	0.05550111	mg/L	1531.28840238	0.00101466	1.82817067	26.94545243	1.76	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.05433331
P 177.434	P		0.88568886	0.88568886	mg/L	639.14393164	0.01249963	1.41128960	8.92111628	1.40		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.87298122
Pb 220.353	Pb		3.45509657	3.45509657	mg/L	34445.15153425	0.05506530	1.59374133	557.72793202	1.62	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	3.39569051
S 181.972	S		5.01854272	5.01854272	mg/L	9527.12944780	0.02950160	0.58785199	54.65052047	0.57		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	4.98493733
Sb 206.834	Sb	u	-0.01100484	-0.01100484	mg/L	-72.85632488	0.00299600	27.22443445	14.77315430	20.28	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.01044528
Se 196.026	Se		0.01684144	0.01684144	mg/L	79.04037451	0.00217677	12.92506330	10.18049816	12.88	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01735104
Si 251.611	Si	o	12.71253482	12.71253482	mg/L	125922.77839464	0.17142216	1.34844989	1616.92291963	1.28		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	12.51510815
Sn 189.925	Sn		0.04525577	0.04525577	mg/L	632.09822611	0.00023215	0.51298190	3.13705411	0.50	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.04508691
Sr 421.552	Sr-R		0.02868880	0.02868880	mg/L	13611.51654087	0.00006052	0.21094286	28.19477908	0.21	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.02865858
Ti 334.941	Ti		0.63315636	0.63315636	mg/L	228359.41284088	0.05238679	8.27391008	18844.65564389	8.25	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.57516262
Tl 190.794	Tl	u	-0.00948153	-0.00948153	mg/L	-43.41679015	0.00077509	8.17475131	3.33987944	7.69	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.01037151
V 292.401	V		0.02246677	0.02246677	mg/L	804.92166820	0.00062544	2.78385266	26.65972886	3.31	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.02175591
Zn 206.200	Zn		7.36101535	7.36101535	mg/L	502547.31379613	0.10477537	1.42338210	7150.20482977	1.42	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	7.24758504
Y 371.029	Y		0.89	0.89	Ratio	876119.84	0.01	1.19	10414.97	1.19		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.86	0.86	Ratio	202386.50	0.00	0.34	693.93	0.34		-	-	-	Fitted	-	-	0.86

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	483449-024	Client ID:	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA
Seqnum:	673155023420	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	311981	Time:	18-APR-2023 18:41
Cal:	673155023001	Caldate:	17-APR-2023		
IDF:	1.0	Raw Units:	mg/L	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.364	120	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	979893	868217	-11.40

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label:	483449-024,311981	Rack:Tube:	4:47	Type:	Sample
Date Time:	4/18/2023 6:41:41 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]	Concentration Replicate 1
Ag 328.068	Ag		0.00093204	0.00093204	mg/L	279.12605857	0.00007073	7.58842425	6.53393948	2.34		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.0010137
Al 396.152	Al		3.42204104	3.42204104	mg/L	150044.07175054	0.08450529	2.46944125	3672.75159179	2.45	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	3.3307040
As 188.980	As		0.07565983	0.07565983	mg/L	424.76554944	0.00089096	1.17758178	4.46213027	1.05	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.0756597
B 249.678	B		0.01193983	0.01193983	mg/L	2369.63420690	0.00082121	6.87790855	36.35451070	1.53	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.0128780
Ba 230.424	Ba		0.05654331	0.05654331	mg/L	6577.74394713	0.00120100	2.12402896	133.24880279	2.03	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.0551859
Be 313.107	Be		0.00008706	0.00008706	mg/L	397.78330797	0.00001956	22.47208567	49.32727898	12.40	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.0000715
Ca 317.933	Ca-R		14.59615136	14.59615136	mg/L	217855.46284339	0.02215129	0.15176120	326.98619239	0.15	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	14.604527
Cd 214.439	Cd		0.00010933	0.00010933	mg/L	529.84570126	0.00002540	23.23128523	5.71975095	1.08	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.0001262
Co 230.786	Co		0.02369972	0.02369972	mg/L	1161.74740659	0.00085096	3.59059265	41.18094112	3.54	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.0228052
Cr 267.716	Cr		0.07064788	0.07064788	mg/L	5221.41175769	0.00047612	0.67393624	35.25918723	0.68	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.0704666
Cu 324.754	Cu		1.36544082	1.36544082	mg/L	64394.32208783	0.03064631	2.24442601	1430.47274473	2.22	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.3311707
Fe 259.940	Fe	o	142.26788154	142.26788154	mg/L	9771768.32596475	2.95699440	2.07846941	203094.39905728	2.08		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	139.01360
K 766.491	K-R		2.91306983	2.91306983	mg/L	4644.02628196	0.02580294	0.88576458	41.76421925	0.90	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.8846218
Li 670.783	Li-R		0.00335563	0.00335563	mg/L	820.82033014	0.00091460	27.25572407	105.63603095	12.87	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.0033977
Mg 279.800	Mg-R		5.69791239	5.69791239	mg/L	14830.17938989	0.01334297	0.23417299	34.31646726	0.23	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	5.7121079
Mn 257.610	Mn		0.84345868	0.84345868	mg/L	417245.63490348	0.01641167	1.94575828	8111.87790056	1.94	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.8260827
Mo 204.598	Mo		0.00404144	0.00404144	mg/L	81.64891985	0.00142025	35.14220252	18.49481993	22.65	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.0054544
Na 589.592	Na-R		5.77630736	5.77630736	mg/L	64498.00319625	0.00755145	0.13073146	82.43118129	0.13	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	5.7677597
Ni 231.604	Ni		0.26921186	0.26921186	mg/L	7187.92112796	0.00599058	2.22522775	159.08736922	2.21	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.2624814
P 177.434	P		0.61563040	0.61563040	mg/L	446.78995226	0.01601885	2.60202431	11.43281774	2.56		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.5999679
Pb 220.353	Pb		2.36377628	2.36377628	mg/L	23447.94176525	0.04445183	1.88054310	450.22958797	1.92	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	2.3137959
S 181.972	S		5.31516470	5.31516470	mg/L	10060.31819119	0.04754601	0.89453509	88.07705665	0.88		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	5.2618725
Sb 206.834	Sb		0.00675610	0.00675610	mg/L	51.40652003	0.00148554	21.98805428	7.32510590	14.25	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.0050554
Se 196.026	Se		0.01555862	0.01555862	mg/L	59.77173229	0.00104312	6.70447796	4.87857557	8.16	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.0143552
Si 251.611	Si		6.90543979	6.90543979	mg/L	71123.77075921	0.03476851	0.50349452	327.95061054	0.46		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	6.8652944
Sn 189.925	Sn		0.12676943	0.12676943	mg/L	1733.21938182	0.00245589	1.93728903	33.18600474	1.91	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.1241880
Sr 421.552	Sr-R		0.02351485	0.02351485	mg/L	11213.31734827	0.00031364	1.33380635	146.12565782	1.30	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.0233049
Ti 334.941	Ti		0.28256957	0.28256957	mg/L	102218.16396585	0.02658665	9.40888636	9563.79035236	9.36	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.2641273
Tl 190.794	Tl	u	-0.00940239	-0.00940239	mg/L	-42.00382092	0.00074772	7.95245979	3.22193904	7.67	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	-0.009525
V 292.401	V		0.01386440	0.01386440	mg/L	322.32582938	0.00066915	4.82635558	28.52259672	8.85	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.0131558
Zn 206.200	Zn		7.13190435	7.13190435	mg/L	487021.61609358	0.12859335	1.80307172	8775.61924563	1.80	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	6.9870084
Y 371.029	Y		0.89	0.89	Ratio	868217.01	0.01	1.32	11426.07	1.32		-	-	-	Fitted	-	-	0.87
Y 371.029	Y-R		0.86	0.86	Ratio	200248.57	0.00	0.30	603.04	0.30		-	-	-	Fitted	-	-	0.85

ENTHALPY BLANK USER REPORT FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09	Lab ID:	QC1059304		
Seqnum:	673155023404.1	Matrix:	Wipe		
File:	icp data	Batch:	311981	Time:	18-APR-2023 17:49
Cal:	673155023001	Caldate:	17-APR-2023		
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	-0.001630	ND	0.25	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	979893	885466	-9.64

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label: BLANK,QC1059304,311981 | Rack:Tube: 4:33 | Type: Sample

Date Time: 4/18/2023 5:49:39 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]	Concentration Replicate 1	C R
Ag 328.068	Ag	u	-0.00081908	-0.00081908	mg/L	469.77766573	0.00099427	121.38790843	91.85269090	19.55		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00015946	-(
Al 396.152	Al		0.01594841	0.01594841	mg/L	2071.15355365	0.00106791	6.69605490	46.41346260	2.24	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	0.01711386	0
As 188.980	As		0.00280084	0.00280084	mg/L	54.54370862	0.00235598	84.11690393	11.79932903	21.63	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00018050	0
B 249.678	B		0.00228652	0.00228652	mg/L	2363.41730411	0.00046499	20.33621788	20.58489938	0.87	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.00214526	0
Ba 230.424	Ba		0.00060983	0.00060983	mg/L	371.68374284	0.00026591	43.60329901	29.50211840	7.94	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00091223	0
Be 313.107	Be		0.00001295	0.00001295	mg/L	371.64717938	0.00001492	115.27979452	37.62709905	10.12	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00000356	0
Ca 317.933	Ca-R		0.01752490	0.01752490	mg/L	2269.98399311	0.00124308	7.09323676	18.34975810	0.81	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.01841361	0
Cd 214.439	Cd		0.00017406	0.00017406	mg/L	42.23674000	0.00000483	2.77624820	1.08818852	2.58	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00017156	0
Co 230.786	Co		0.00113869	0.00113869	mg/L	74.66512226	0.00033030	29.00755443	15.98460572	21.41	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00092816	0
Cr 267.716	Cr		0.00023858	0.00023858	mg/L	-34.27329683	0.00015099	63.28864672	11.18188051	32.63	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.00015810	0
Cu 324.754	Cu		0.00325131	0.00325131	mg/L	877.48243148	0.00018973	5.83555259	8.85607960	1.01	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00335854	0
Fe 259.940	Fe		0.00829736	0.00829736	mg/L	725.36623981	0.00016920	2.03919944	11.62109025	1.60		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.00821768	0
K 766.491	K-R		0.14569351	0.14569351	mg/L	160.84682980	0.01384526	9.50300227	22.40970813	13.93	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.15066717	0
Li 670.783	Li-R		0.00946778	0.00946778	mg/L	430.36043016	0.00052945	5.59216193	61.15159449	14.21	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00929578	0
Mg 279.800	Mg-R		0.02211442	0.02211442	mg/L	61.83655757	0.00320880	14.50997467	8.25262714	13.35	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.02576510	0
Mn 257.610	Mn		0.00084056	0.00084056	mg/L	982.58062117	0.00002235	2.65924968	11.04839044	1.12	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.00086464	0
Mo 204.598	Mo		0.00143441	0.00143441	mg/L	38.26489682	0.00093901	65.46289908	12.22792576	31.96	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00251825	0
Na 589.592	Na-R	u	-0.01327872	-0.01327872	mg/L	1040.08467513	0.01152762	86.81274652	125.83483474	12.10	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	-0.00047830	-(
Ni 231.604	Ni	u	0.00019375	0.00019375	mg/L	83.52358629	0.00077415	399.55849689	20.55862977	24.61	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00081409	-(
P 177.434	P		0.00720003	0.00720003	mg/L	11.93029521	0.00666579	92.58003690	4.75743983	39.88		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.00376998	0
Pb 220.353	Pb	u	-0.00163010	-0.00163010	mg/L	-592.41011450	0.00075470	46.29770323	7.64394140	1.29	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	-0.00162548	-(
S 181.972	S		0.06585781	0.06585781	mg/L	369.10663384	0.02227816	33.82766372	41.26938070	11.18		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	0.08835578	0
Sb 206.834	Sb		0.00576131	0.00576131	mg/L	-29.96780988	0.00236620	41.07057105	11.66763491	38.93	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.00849341	0
Se 196.026	Se		0.00441631	0.00441631	mg/L	35.37277830	0.00151349	34.27053402	7.07844132	20.01	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.00266916	0
Si 251.611	Si		0.00287152	0.00287152	mg/L	6066.87056141	0.00119956	41.77431907	11.31469751	0.19		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.00394968	0
Sn 189.925	Sn		0.01717129	0.01717129	mg/L	252.59058849	0.00042125	2.45320443	5.69223334	2.25	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.01747252	0
Sr 421.552	Sr-R	u	0.00002480	0.00002480	mg/L	137.12052963	0.00002953	119.08890811	13.75901319	10.03	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.00005015	0
Ti 334.941	Ti		0.00175734	0.00175734	mg/L	1274.49718268	0.00022815	12.98294145	82.07191987	6.44	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00150419	0
Tl 190.794	Tl	u	0.00060105	0.00060105	mg/L	-1.08857903	0.00079079	131.56800470	3.40753477	> 100.00	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00100458	-(
V 292.401	V	u	0.00020479	0.00020479	mg/L	-21.86038007	0.00034515	168.54315682	14.71237591	67.30	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00057114	0
Zn 206.200	Zn		0.00175236	0.00175236	mg/L	200.64713229	0.00014266	8.14105672	9.73562646	4.85	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.00179218	0
Y 371.029	Y		0.90	0.90	Ratio	885465.71	0.02	1.88	16668.01	1.88		-	-	-	Fitted	-	-	0.89	0
Y 371.029	Y-R		0.89	0.89	Ratio	207714.08	0.00	0.46	946.64	0.46		-	-	-	Fitted	-	-	0.89	0

ENTHALPY SPIKE USER REPORT FOR 483449 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET09	Inst:	MET09
Seqnum:	673155023405.1	Seqnum:	673155023406.1
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1059305	Lab ID:	QC1059306
Matrix:	Wipe	Matrix:	Wipe
Batch:	311981	Batch:	311981
Time:	18-APR-2023 17:52	Time:	18-APR-2023 17:56
Cal:	673155023001	Cal:	673155023001
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	1.160	58.02	A	116	1.131	56.54	A	113	80-120	3	20	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	979893	882942	-9.89

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	979893	879221	-10.27

!=warning -=low bias <=opening a=ICSA u=use

Instrument ID: MET09

Label: BS,QC1059305,311981 | Rack:Tube: 4:34 | Type: Sample
Date Time: 4/18/2023 5:52:54 PM | Weight: 1 | Volume: 1
Dilution: 1 | %RSE limit: - | Calibration Coefficient [3]: -
LIMSID: | 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]	Concentration Replicate 1
Ag 328.068	Ag		0.52008887	0.52008887	mg/L	48590.95100734	0.00337188	0.64832696	311.50126689	0.64		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.51632045
Al 396.152	Al		1.06607850	1.06607850	mg/L	47708.45843345	0.01935456	1.81549116	841.18392681	1.76	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.04497232
As 188.980	As		1.08958469	1.08958469	mg/L	5497.33864475	0.01459902	1.33986987	73.11549544	1.33	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.07423325
B 249.678	B		1.03549990	1.03549990	mg/L	48092.36137203	0.01646001	1.58957095	728.67507463	1.52	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	1.01817791
Ba 230.424	Ba		1.21026143	1.21026143	mg/L	134582.29201492	0.01870851	1.54582400	2075.68224895	1.54	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.19236546
Be 313.107	Be		1.21692062	1.21692062	mg/L	3068650.10595306	0.02559566	2.10331371	64536.28210967	2.10	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.18872546
Ca 317.933	Ca-R		1.20617444	1.20617444	mg/L	19818.76015044	0.01345507	1.11551646	198.61699256	1.00	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	1.21531754
Cd 214.439	Cd		1.21217034	1.21217034	mg/L	272980.79177594	0.01268359	1.04635416	2856.27390720	1.05	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.19845092
Co 230.786	Co		1.18708286	1.18708286	mg/L	57467.20501566	0.01702241	1.43396971	823.77364951	1.43	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	1.17112215
Cr 267.716	Cr		1.18840668	1.18840668	mg/L	87956.45300747	0.02304876	1.93946720	1706.87571058	1.94	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.16403935
Cu 324.754	Cu		1.15628267	1.15628267	mg/L	54701.42619504	0.01817035	1.57144564	848.13462485	1.55	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.13633120
Fe 259.940	Fe		1.18524973	1.18524973	mg/L	81611.22977682	0.02082193	1.75675442	1430.10644892	1.75		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	1.16435127
K 766.491	K-R		10.66439706	10.66439706	mg/L	17188.05758016	0.15565364	1.45956340	251.93843813	1.47	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	10.79540373
Li 670.783	Li-R		1.17984847	1.17984847	mg/L	135654.80969985	0.01333488	1.13021963	1540.17130788	1.14	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.18502614
Mg 279.800	Mg-R		1.19172586	1.19172586	mg/L	3070.66295099	0.00989643	0.83042869	25.45239868	0.83	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	1.19444983
Mn 257.610	Mn		1.21981702	1.21981702	mg/L	603491.49591110	0.02838151	2.32670214	14028.27223001	2.32	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.18896015
Mo 204.598	Mo		1.18241900	1.18241900	mg/L	15417.85098621	0.02417774	2.04476887	314.84739087	2.04	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.15720954
Na 589.592	Na-R		1.25162708	1.25162708	mg/L	20966.02017330	0.02326920	1.85911630	254.00520944	1.21	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	1.27262982
Ni 231.604	Ni		1.18714000	1.18714000	mg/L	31606.23473680	0.02161021	1.82035929	573.88661592	1.82	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.16374014
P 177.434	P		0.01295215	0.01295215	mg/L	16.01172324	0.00237224	18.31543855	1.69309417	10.57		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.01541826
Pb 220.353	Pb		1.16034085	1.16034085	mg/L	11174.61744395	0.01639040	1.41255067	166.00989936	1.49	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.14323216
S 181.972	S	u	-0.01330915	-0.01330915	mg/L	221.84818636	0.00481634	36.18821170	8.92208247	4.02		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	-0.00774881
Sb 206.834	Sb		1.12815926	1.12815926	mg/L	5505.03331367	0.01983278	1.75797683	97.79447122	1.78	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	1.10751474
Se 196.026	Se		0.98414668	0.98414668	mg/L	4617.39949950	0.01029763	1.04635078	48.16085337	1.04	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.97296049
Si 251.611	Si		5.44519016	5.44519016	mg/L	57400.30262408	0.07145182	1.31220068	673.96238761	1.17		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.37437475
Sn 189.925	Sn		0.01568037	0.01568037	mg/L	232.57313783	0.00118565	7.56135203	16.02144747	6.89	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.01547917
Sr 421.552	Sr-R		1.28135346	1.28135346	mg/L	597127.51961746	0.01551358	1.21071816	7227.75720421	1.21	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	1.28196924
Ti 334.941	Ti		1.27269914	1.27269914	mg/L	458457.78184914	0.02825910	2.22040692	10165.40673656	2.22	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.24192774
Tl 190.794	Tl		1.14237759	1.14237759	mg/L	4919.00419251	0.01180565	1.03342763	50.87067040	1.03	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	1.13003970
V 292.401	V		1.15160866	1.15160866	mg/L	49056.20399660	0.02234278	1.94013626	952.37049531	1.94	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	1.12771033
Zn 206.200	Zn		1.19264855	1.19264855	mg/L	81473.74848178	0.01527285	1.28058286	1042.26805331	1.28	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.17613247
Y 371.029	Y		0.90	0.90	Ratio	882941.87	0.02	1.71	15088.89	1.71		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.87	0.87	Ratio	203839.28	0.01	0.90	1834.06	0.90		-	-	-	Fitted	-	-	0.87

Instrument ID: MET09

Label:	BSD,QC1059306,311981	Rack:Tube:	4:35	Type:	Sample
Date Time:	4/18/2023 5:56:09 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMSID:		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]	Concentration Replicate 1
Ag 328.068	Ag		0.50680187	0.50680187	mg/L	47363.48856726	0.00260384	0.51377839	240.54826056	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.50381096
Al 396.152	Al		1.04254243	1.04254243	mg/L	46685.61368971	0.01581174	1.51665159	687.20641995	1.47	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.02525164
As 188.980	As		1.05998925	1.05998925	mg/L	5349.11996383	0.01049525	0.99012764	52.56279582	0.98	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.04810542
B 249.678	B		1.01250282	1.01250282	mg/L	47074.54459810	0.00988856	0.97664530	437.76097454	0.93	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	1.00151729
Ba 230.424	Ba		1.17699218	1.17699218	mg/L	130891.07878081	0.01358364	1.15409753	1507.08490668	1.15	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.16501646
Be 313.107	Be		1.19102759	1.19102759	mg/L	3003364.11504850	0.01431217	1.20166579	36086.36688992	1.20	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.17682907
Ca 317.933	Ca-R		1.17184006	1.17184006	mg/L	19311.88804184	0.01116289	0.95259533	164.78098045	0.85	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	1.18349327
Cd 214.439	Cd		1.17346703	1.17346703	mg/L	264264.95130384	0.00347675	0.29627991	782.94379438	0.30	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.17120459
Co 230.786	Co		1.15650612	1.15650612	mg/L	55987.47610114	0.01285635	1.11165466	622.16376709	1.11	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	1.14545994
Cr 267.716	Cr		1.16180857	1.16180857	mg/L	85986.70827206	0.01645196	1.41606456	1218.34981697	1.42	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.14352549
Cu 324.754	Cu		1.13134667	1.13134667	mg/L	53537.38802799	0.01453933	1.28513496	678.65000036	1.27	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.11555003
Fe 259.940	Fe		1.16563618	1.16563618	mg/L	80262.97774870	0.01528623	1.31140678	1049.89989102	1.31		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	1.14924236
K 766.491	K-R		10.34925650	10.34925650	mg/L	16677.93138848	0.10891259	1.05237116	176.28414331	1.06	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	10.47431961
Li 670.783	Li-R		1.14867855	1.14867855	mg/L	132053.60517539	0.00870904	0.75817921	1005.88964310	0.76	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.15716856
Mg 279.800	Mg-R		1.16407022	1.16407022	mg/L	2999.52563471	0.01246013	1.07039365	32.04591755	1.07	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	1.17757441
Mn 257.610	Mn		1.18558080	1.18558080	mg/L	586569.39389417	0.01933178	1.63057493	9555.21848074	1.63	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.16433564
Mo 204.598	Mo		1.16146240	1.16146240	mg/L	15144.93616803	0.01956524	1.68453525	254.78258122	1.68	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.13962874
Na 589.592	Na-R		1.20505590	1.20505590	mg/L	20308.45998681	0.02680735	2.22457347	292.62744989	1.44	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	1.23567922
Ni 231.604	Ni		1.15854966	1.15854966	mg/L	30846.93538527	0.01517659	1.30996419	403.03347336	1.31	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.14215638
P 177.434	P		0.01240255	0.01240255	mg/L	15.62007811	0.00310011	24.99574701	2.21258081	14.17		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.01174920
Pb 220.353	Pb		1.13082632	1.13082632	mg/L	10875.73288236	0.01089551	0.96349982	110.35497413	1.01	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.11828620
S 181.972	S	u	-0.01333047	-0.01333047	mg/L	221.82202315	0.00442943	33.22786914	8.20533822	3.70		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	-0.01009616
Sb 206.834	Sb		1.10732431	1.10732431	mg/L	5402.28774037	0.01152016	1.04036030	56.80536409	1.05	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	1.09495065
Se 196.026	Se		0.95862029	0.95862029	mg/L	4498.01591716	0.00620409	0.64718923	29.01582627	0.65	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.95147841
Si 251.611	Si		5.34900446	5.34900446	mg/L	56493.05584499	0.04027097	0.75286847	379.85200355	0.67		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.30654412
Sn 189.925	Sn		0.01639002	0.01639002	mg/L	242.15927642	0.00031697	1.93389108	4.28309306	1.77	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.01670793
Sr 421.552	Sr-R		1.23715296	1.23715296	mg/L	576534.00475203	0.01221510	0.98735547	5690.99871225	0.99	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	1.25056060
Ti 334.941	Ti		1.24791969	1.24791969	mg/L	449544.12547900	0.02065745	1.65535088	7430.92945282	1.65	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.22407632
Tl 190.794	Tl		1.10921521	1.10921521	mg/L	4776.10314364	0.01025560	0.92458128	44.19148811	0.93	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	1.09777833
V 292.401	V		1.12759590	1.12759590	mg/L	48032.66410910	0.01813996	1.60872878	773.22358791	1.61	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	1.10770848
Zn 206.200	Zn		1.15039209	1.15039209	mg/L	78589.98056553	0.00483992	0.42071891	330.29133431	0.42	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.14936126
Y 371.029	Y		0.90	0.90	Ratio	879221.24	0.02	2.05	17988.29	2.05		-	-	-	Fitted	-	-	0.88
Y 371.029	Y-R		0.87	0.87	Ratio	203311.82	0.01	0.97	1965.74	0.97		-	-	-	Fitted	-	-	0.86

ENTHALPY INITIAL CALIBRATION FOR 483449 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	673155023001	Date:	17-APR-2023 15:43
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	673155023002	L1	17-APR-2023 15:46	S18211
L2	icp data	673155023003	L2	17-APR-2023 15:49	S18210
L3	icp data	673155023004	L3	17-APR-2023 15:52	S18209
L4	icp data	673155023005	L4	17-APR-2023 15:56	S18208
L5	icp data	673155023006	L5	17-APR-2023 15:59	S18207
L6	icp data	673155023007	L6	17-APR-2023 16:02	S18171

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.05419	9.64E-5		-29710	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	-163651	-48562	4090.2	9237.2	10319	10310

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	**-52**	0.0100	**-26**	0.1000	-6	1.0000	-6	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09		
Calnum:	673155023001	Cal Date:	17-APR-2023

- ICV 673155023010 (17-APR-2023) stds: S18219

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.012	mg/L	1	10	

Instrument ID: MET09

Label: ICALBLK | Rack:Tube: S1:1 | Type: BLK

Date Time: 4/17/2023 3:43:13 PM | Flags: | 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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2	C R
Ag 328.068	Ag	0.00000000	0.00000000	mg/L	545.45916509	-	-	47.32315481	8.68		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.00000000	0.00000000	0
Al 396.152	Al	0.00000000	0.00000000	mg/L	1354.90362358	-	-	9.89295442	0.73	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	0.00000000	0.00000000	0
As 188.980	As	0.00000000	0.00000000	mg/L	52.35164102	-	-	9.38805638	17.93	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00000000	0.00000000	0
B 249.678	B	0.00000000	0.00000000	mg/L	2302.26645326	-	-	22.20371062	0.96	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.00000000	0.00000000	0
Ba 230.424	Ba	0.00000000	0.00000000	mg/L	343.43431648	-	-	28.32785757	8.25	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00000000	0.00000000	0
Be 313.107	Be	0.00000000	0.00000000	mg/L	350.19828600	-	-	9.59848260	2.74	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00000000	0.00000000	0
Ca 317.933	Ca-R	0.00000000	0.00000000	mg/L	2017.63731382	-	-	6.88416821	0.34	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.00000000	0.00000000	0
Cd 214.439	Cd	0.00000000	0.00000000	mg/L	22.57835886	-	-	5.10787832	22.62	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00000000	0.00000000	0
Co 230.786	Co	0.00000000	0.00000000	mg/L	52.92841117	-	-	34.50680724	65.20	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00000000	0.00000000	0
Cr 267.716	Cr	0.00000000	0.00000000	mg/L	-35.47866971	-	-	9.05819142	25.53	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.00000000	0.00000000	0
Cu 324.754	Cu	0.00000000	0.00000000	mg/L	772.92777260	-	-	17.30500771	2.24	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00000000	0.00000000	0
Fe 259.940	Fe	0.00000000	0.00000000	mg/L	154.92279392	-	-	18.07672003	11.67		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.00000000	0.00000000	0
K 766.491	K-R	0.00000000	0.00000000	mg/L	101.32083334	-	-	17.97892942	17.74	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.00000000	0.00000000	0
Li 670.783	Li-R	0.00000000	0.00000000	mg/L	0.00000000	-	-	58.44830350	> 100.00	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00000000	0.00000000	0
Mg 279.800	Mg-R	0.00000000	0.00000000	mg/L	53.07763395	-	-	5.23904494	9.87	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.00000000	0.00000000	0
Mn 257.610	Mn	0.00000000	0.00000000	mg/L	571.47377482	-	-	15.72585127	2.75	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.00000000	0.00000000	0
Mo 204.598	Mo	0.00000000	0.00000000	mg/L	29.91803408	-	-	8.22007883	27.48	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00000000	0.00000000	0
Na 589.592	Na-R	0.00000000	0.00000000	mg/L	1575.68757976	-	-	244.78046612	15.53	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	0.00000000	0.00000000	0
Ni 231.604	Ni	0.00000000	0.00000000	mg/L	104.34169750	-	-	6.41109967	6.14	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00000000	0.00000000	0
P 177.434	P	0.00000000	0.00000000	mg/L	6.79180429	-	-	0.95673465	14.09		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.00000000	0.00000000	0
Pb 220.353	Pb	0.00000000	0.00000000	mg/L	-561.70649939	-	-	6.01089074	1.07	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.00000000	0.00000000	0
S 181.972	S	0.00000000	0.00000000	mg/L	247.10605223	-	-	11.83376487	4.79		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	0.00000000	0.00000000	0
Sb 206.834	Sb	0.00000000	0.00000000	mg/L	-53.63315266	-	-	3.34808672	6.24	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.00000000	0.00000000	0
Se 196.026	Se	0.00000000	0.00000000	mg/L	20.68125452	-	-	13.89217442	67.17	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.00000000	0.00000000	0
Si 251.611	Si	0.00000000	0.00000000	mg/L	6039.78731497	-	-	24.53832056	0.41		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.00000000	0.00000000	0
Sn 189.925	Sn	0.00000000	0.00000000	mg/L	36.29405126	-	-	6.49341288	17.89	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00000000	0.00000000	0
Sr 421.552	Sr-R	0.00000000	0.00000000	mg/L	135.98688948	-	-	10.79813938	7.94	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.00000000	0.00000000	0
Ti 334.941	Ti	0.00000000	0.00000000	mg/L	658.28227029	-	-	10.81847241	1.64	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00000000	0.00000000	0
Tl 190.794	Tl	0.00000000	0.00000000	mg/L	6.26496443	-	-	4.92556081	78.62	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00000000	0.00000000	0
V 292.401	V	0.00000000	0.00000000	mg/L	-18.09210615	-	-	11.82735021	65.37	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00000000	0.00000000	0
Zn 206.200	Zn	0.00000000	0.00000000	mg/L	112.16426096	-	-	10.89950572	9.72	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.00000000	0.00000000	0
Y 371.029	Y	1.00	1.00	Ratio	979892.76	0.00	0.00	6703.66	0.68		-	-	-	Fitted	-	-	1.00	1.00	1
Y 371.029	Y-R	1.00	1.00	Ratio	233993.54	0.00	0.00	1759.98	0.75		-	-	-	Fitted	-	-	1.00	1.00	1

Instrument ID: MET09

Label:	ICAL,L1,S18211	Rack:Tube:	S1:2	Type:	STD
Date Time:	4/17/2023 3:46:27 PM	Flags:		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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2	Con Rep
Ag 328.068	Ag			mg/L	526.24679073	-	-	162.12414978	30.81		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058			
Al 396.152	Al	0.00666667	0.00666667	mg/L	1402.74556021	-	-	37.23147417	2.65	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	0.00666667	0.00666667	0.0
As 188.980	As	0.00333333	0.00333333	mg/L	67.77281751	-	-	9.98321555	14.73	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00333333	0.00333333	0.0
B 249.678	B	0.00333333	0.00333333	mg/L	2413.07335290	-	-	7.81490590	0.32	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.00333333	0.00333333	0.0
Ba 230.424	Ba	0.00333333	0.00333333	mg/L	710.34594806	-	-	16.63098848	2.34	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00333333	0.00333333	0.0
Be 313.107	Be	0.00100000	0.00100000	mg/L	2620.62404895	-	-	63.84991810	2.44	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00100000	0.00100000	0.0
Ca 317.933	Ca-R	0.03333333	0.03333333	mg/L	2487.63794128	-	-	36.53472324	1.47	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.03333333	0.03333333	0.0
Cd 214.439	Cd	0.00166667	0.00166667	mg/L	321.51024827	-	-	17.31091388	5.38	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00166667	0.00166667	0.0
Co 230.786	Co	0.00166667	0.00166667	mg/L	114.01537787	-	-	12.64831215	11.09	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00166667	0.00166667	0.0
Cr 267.716	Cr	0.00333333	0.00333333	mg/L	205.25704971	-	-	6.17882612	3.01	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.00333333	0.00333333	0.0
Cu 324.754	Cu	0.00333333	0.00333333	mg/L	904.62170470	-	-	28.30850615	3.13	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00333333	0.00333333	0.0
Fe 259.940	Fe			mg/L	554.26534430	-	-	17.48307858	3.15		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558			
K 766.491	K-R	0.06666667	0.06666667	mg/L	162.77130301	-	-	19.71247847	12.11	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.06666667	0.06666667	0.0
Li 670.783	Li-R	0.00333333	0.00333333	mg/L	320.08336507	-	-	49.44149383	15.45	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00333333	0.00333333	0.0
Mg 279.800	Mg-R	0.03333333	0.03333333	mg/L	124.03958331	-	-	9.73206624	7.85	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.875911109	0.03333333	0.03333333	0.0
Mn 257.610	Mn	0.00333333	0.00333333	mg/L	2203.56899922	-	-	40.35988698	1.83	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.00333333	0.00333333	0.0
Mo 204.598	Mo	0.00333333	0.00333333	mg/L	67.27864314	-	-	7.41790469	11.03	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00333333	0.00333333	0.0
Na 589.592	Na-R	0.06666667	0.06666667	mg/L	2115.59434468	-	-	109.15195832	5.16	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	0.06666667	0.06666667	0.0
Ni 231.604	Ni	0.00333333	0.00333333	mg/L	185.69286754	-	-	7.88825882	4.25	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00333333	0.00333333	0.0
P 177.434	P			mg/L	4.71784365	-	-	1.90324757	40.34		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468			
Pb 220.353	Pb	0.00333333	0.00333333	mg/L	-545.50495373	-	-	15.89645807	2.91	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.00333333	0.00333333	0.0
S 181.972	S			mg/L	242.71302621	-	-	5.68153667	2.34		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716			
Sb 206.834	Sb	0.01000010	0.01000010	mg/L	-6.79236102	-	-	6.49918430	95.68	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.01000010	0.01000010	0.0
Se 196.026	Se	0.01000001	0.01000001	mg/L	67.98914711	-	-	8.17642448	12.03	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01000001	0.01000001	0.0
Si 251.611	Si			mg/L	6040.13685671	-	-	30.04156019	0.50		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166			
Sn 189.925	Sn	0.00333333	0.00333333	mg/L	76.35670645	-	-	5.46118313	7.15	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00333333	0.00333333	0.0
Sr 421.552	Sr-R	0.01666667	0.01666667	mg/L	7593.47282069	-	-	107.30329609	1.41	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.01666667	0.01666667	0.0
Ti 334.941	Ti	0.00333333	0.00333333	mg/L	1752.06044226	-	-	155.67677928	8.89	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00333333	0.00333333	0.0
Tl 190.794	Tl	0.01000010	0.01000010	mg/L	31.04147157	-	-	9.49914667	30.60	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.01000010	0.01000010	0.0
V 292.401	V	0.00166667	0.00166667	mg/L	44.34336209	-	-	10.52366202	23.73	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00166667	0.00166667	0.0
Zn 206.200	Zn	0.01000010	0.01000010	mg/L	730.48447928	-	-	15.60400440	2.14	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.01000010	0.01000010	0.0
Y 371.029	Y	1.00	1.00	Ratio	980186.67	0.01	0.76	7452.01	0.76		-	-	-	Fitted	-	-	0.99	1.00	1.0
Y 371.029	Y-R	1.00	1.00	Ratio	233847.29	0.01	0.73	1703.63	0.73		-	-	-	Fitted	-	-	0.99	1.01	1.0

Instrument ID: MET09

Label: ICAL,L2,S18210 | Rack:Tube: S1:3 | Type: STD

Date Time: 4/17/2023 3:49:41 PM | Flags: | 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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2	Co Re
Ag 328.068	Ag			mg/L	526.92934717	-	-	113.66583580	21.57		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058			
Al 396.152	Al	0.02000000	0.02000000	mg/L	2250.93113419	-	-	2.77928633	0.12	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	0.02000000	0.02000000	0.
As 188.980	As	0.01000000	0.01000000	mg/L	95.95519697	-	-	4.21136430	4.39	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.01000000	0.01000000	0.
B 249.678	B	0.01000000	0.01000000	mg/L	2683.19926655	-	-	20.79657047	0.78	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01000000	0.01000000	0.
Ba 230.424	Ba	0.01000000	0.01000000	mg/L	1407.27896596	-	-	5.97838065	0.42	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.01000000	0.01000000	0.
Be 313.107	Be	0.00300000	0.00300000	mg/L	7557.58278628	-	-	74.63842644	0.99	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00300000	0.00300000	0.
Ca 317.933	Ca-R	0.10000000	0.10000000	mg/L	3435.12274726	-	-	27.30527726	0.79	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.10000000	0.10000000	0.
Cd 214.439	Cd	0.00500000	0.00500000	mg/L	1074.24555535	-	-	9.88015118	0.92	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00500000	0.00500000	0.
Co 230.786	Co	0.00500000	0.00500000	mg/L	244.38945001	-	-	19.02923671	7.79	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00500000	0.00500000	0.
Cr 267.716	Cr	0.01000000	0.01000000	mg/L	664.98120113	-	-	7.17713962	1.08	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.01000000	0.01000000	0.
Cu 324.754	Cu	0.01000000	0.01000000	mg/L	1169.11566450	-	-	18.11941057	1.55	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.01000000	0.01000000	0.
Fe 259.940	Fe			mg/L	1505.49576871	-	-	13.77993885	0.92		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558			
K 766.491	K-R	0.20000000	0.20000000	mg/L	285.69649184	-	-	57.31571049	20.06	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.20000000	0.20000000	0.
Li 670.783	Li-R	0.01000000	0.01000000	mg/L	1105.70092024	-	-	118.93365989	10.76	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.01000000	0.01000000	0.
Mg 279.800	Mg-R	0.10000000	0.10000000	mg/L	291.47771701	-	-	7.48447484	2.57	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.10000000	0.10000000	0.
Mn 257.610	Mn	0.01000000	0.01000000	mg/L	5480.11382213	-	-	57.28998409	1.05	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.01000000	0.01000000	0.
Mo 204.598	Mo	0.01000000	0.01000000	mg/L	138.25641655	-	-	11.59367339	8.39	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.01000000	0.01000000	0.
Na 589.592	Na-R	0.20000000	0.20000000	mg/L	3410.40511237	-	-	250.44515728	7.34	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	0.20000000	0.20000000	0.
Ni 231.604	Ni	0.01000000	0.01000000	mg/L	343.86985185	-	-	0.28836321	0.08	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.01000000	0.01000000	0.
P 177.434	P			mg/L	4.48032922	-	-	1.86552560	41.64		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468			
Pb 220.353	Pb	0.01000000	0.01000000	mg/L	-485.62446555	-	-	8.37018359	1.72	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.01000000	0.01000000	0.
S 181.972	S			mg/L	253.64862477	-	-	5.19367944	2.05		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716			
Sb 206.834	Sb	0.03000030	0.03000030	mg/L	86.73650776	-	-	3.07873645	3.55	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.03000030	0.03000030	0.
Se 196.026	Se	0.03000003	0.03000003	mg/L	152.15066005	-	-	14.19722137	9.33	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.03000003	0.03000003	0.
Si 251.611	Si			mg/L	6144.80796494	-	-	20.55529366	0.33		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166			
Sn 189.925	Sn	0.01000000	0.01000000	mg/L	152.20298500	-	-	3.01066303	1.98	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.01000000	0.01000000	0.
Sr 421.552	Sr-R	0.05000000	0.05000000	mg/L	23039.83514054	-	-	84.23212876	0.37	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.05000000	0.05000000	0.
Ti 334.941	Ti	0.01000000	0.01000000	mg/L	4207.87578653	-	-	15.46705765	0.37	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.01000000	0.01000000	0.
Tl 190.794	Tl	0.03000030	0.03000030	mg/L	110.19792884	-	-	8.11842658	7.37	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.03000030	0.03000030	0.
V 292.401	V	0.00500000	0.00500000	mg/L	171.80035991	-	-	14.33996272	8.35	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00500000	0.00500000	0.
Zn 206.200	Zn	0.03000030	0.03000030	mg/L	2034.20993809	-	-	27.74360065	1.36	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.03000030	0.03000030	0.
Y 371.029	Y	1.00	1.00	Ratio	981839.53	0.01	1.01	9964.30	1.01		-	-	-	Fitted	-	-	0.99	1.00	1.
Y 371.029	Y-R	0.99	0.99	Ratio	232730.06	0.01	0.75	1737.93	0.75		-	-	-	Fitted	-	-	1.00	1.00	0.

Instrument ID: MET09

Label:	ICAL,L3,S18209	Rack:Tube:	S1:4	Type:	STD
Date Time:	4/17/2023 3:52:55 PM	Flags:		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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag			mg/L	563.90893060	-	-	19.48662601	3.46		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058		
Al 396.152	Al	0.20000000	0.20000000	mg/L	8943.78612002	-	-	152.37535980	1.70	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	0.20000000	0.20000000
As 188.980	As	0.10000000	0.10000000	mg/L	496.43597267	-	-	9.22814650	1.86	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.10000000	0.10000000
B 249.678	B	0.10000000	0.10000000	mg/L	6230.12904276	-	-	74.06263594	1.19	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.10000000	0.10000000
Ba 230.424	Ba	0.10000000	0.10000000	mg/L	11024.89812199	-	-	218.10778267	1.98	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.10000000	0.10000000
Be 313.107	Be	0.03000000	0.03000000	mg/L	74720.77324721	-	-	1492.07762028	2.00	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.03000000	0.03000000
Ca 317.933	Ca-R	1.00000000	1.00000000	mg/L	15925.37776108	-	-	130.31691788	0.82	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	1.00000000	1.00000000
Cd 214.439	Cd	0.05000000	0.05000000	mg/L	11223.31696580	-	-	237.17245261	2.11	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.05000000	0.05000000
Co 230.786	Co	0.05000000	0.05000000	mg/L	2248.74210182	-	-	53.96009423	2.40	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.05000000	0.05000000
Cr 267.716	Cr	0.10000000	0.10000000	mg/L	7096.82227944	-	-	135.35588694	1.91	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.10000000	0.10000000
Cu 324.754	Cu	0.10000000	0.10000000	mg/L	4896.33881363	-	-	65.74835882	1.34	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.10000000	0.10000000
Fe 259.940	Fe			mg/L	13064.80645943	-	-	281.30320232	2.15		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558		
K 766.491	K-R	2.00000000	2.00000000	mg/L	2707.74743633	-	-	23.64194244	0.87	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	2.00000000	2.00000000
Li 670.783	Li-R	0.10000000	0.10000000	mg/L	10800.50238935	-	-	13.36468382	0.12	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.10000000	0.10000000
Mg 279.800	Mg-R	1.00000000	1.00000000	mg/L	2491.66287741	-	-	5.68020752	0.23	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	1.00000000	1.00000000
Mn 257.610	Mn	0.10000000	0.10000000	mg/L	49012.54663762	-	-	746.59139650	1.52	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.10000000	0.10000000
Mo 204.598	Mo	0.10000000	0.10000000	mg/L	1199.29596067	-	-	29.18048991	2.43	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.10000000	0.10000000
Na 589.592	Na-R	2.00000000	2.00000000	mg/L	21771.01815438	-	-	250.43978875	1.15	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	2.00000000	2.00000000
Ni 231.604	Ni	0.10000000	0.10000000	mg/L	2640.11692202	-	-	48.19398055	1.83	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.10000000	0.10000000
P 177.434	P			mg/L	6.25206857	-	-	1.95803895	31.32		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468		
Pb 220.353	Pb	0.10000000	0.10000000	mg/L	409.01688474	-	-	11.37861501	2.78	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.10000000	0.10000000
S 181.972	S			mg/L	247.78775419	-	-	2.29426233	0.93		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716		
Sb 206.834	Sb	0.30000300	0.30000300	mg/L	1305.18626535	-	-	25.48297528	1.95	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.30000300	0.30000300
Se 196.026	Se	0.30000030	0.30000030	mg/L	1267.51266808	-	-	37.10384085	2.93	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.30000030	0.30000030
Si 251.611	Si			mg/L	6065.50274717	-	-	24.58527118	0.41		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166		
Sn 189.925	Sn	0.10000000	0.10000000	mg/L	1289.35571274	-	-	15.29860432	1.19	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.10000000	0.10000000
Sr 421.552	Sr-R	0.50000000	0.50000000	mg/L	230150.07236225	-	-	523.08456778	0.23	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	0.50000000	0.50000000
Ti 334.941	Ti	0.10000000	0.10000000	mg/L	36493.01160366	-	-	699.56327482	1.92	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.10000000	0.10000000
Tl 190.794	Tl	0.30000300	0.30000300	mg/L	1172.80648034	-	-	37.78475091	3.22	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.30000300	0.30000300
V 292.401	V	0.05000000	0.05000000	mg/L	1905.29830059	-	-	52.89042290	2.78	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.05000000	0.05000000
Zn 206.200	Zn	0.30000300	0.30000300	mg/L	19976.97567431	-	-	351.22519718	1.76	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.30000300	0.30000300
Y 371.029	Y	1.00	1.00	Ratio	981871.39	0.01	0.72	7070.13	0.72		-	-	-	Fitted	-	-	1.00	1.00
Y 371.029	Y-R	0.99	0.99	Ratio	231138.98	0.01	0.75	1724.57	0.75		-	-	-	Fitted	-	-	0.98	0.99

Instrument ID: MET09

Label:	ICAL,L4,S18208	Rack:Tube:	S1:5	Type:	STD
Date Time:	4/17/2023 3:56:09 PM	Flags:		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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentra Replicate 2
Ag 328.068	Ag			mg/L	460.58561745	-	-	26.07044358	5.66		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058		
Al 396.152	Al	2.00000000	2.00000000	mg/L	79011.92158165	-	-	2148.61154169	2.72	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	2.00000000	2.00000
As 188.980	As	1.00000000	1.00000000	mg/L	4731.79465601	-	-	105.84534718	2.24	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.00000000	1.00000
B 249.678	B	1.00000000	1.00000000	mg/L	43946.01169540	-	-	916.57475594	2.09	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	1.00000000	1.00000
Ba 230.424	Ba	1.00000000	1.00000000	mg/L	109143.73639460	-	-	2667.42142898	2.44	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.00000000	1.00000
Be 313.107	Be	0.30000000	0.30000000	mg/L	787330.98037779	-	-	21647.33667667	2.75	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.30000000	0.30000
Ca 317.933	Ca-R	10.00000000	10.00000000	mg/L	142573.03897542	-	-	1301.72402934	0.91	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	10.00000000	10.0000
Cd 214.439	Cd	0.50000000	0.50000000	mg/L	115204.95957882	-	-	2566.70423941	2.23	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.50000000	0.50000
Co 230.786	Co	0.50000000	0.50000000	mg/L	23301.87744180	-	-	536.04872465	2.30	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.50000000	0.50000
Cr 267.716	Cr	1.00000000	1.00000000	mg/L	73043.43050119	-	-	1818.23030575	2.49	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.00000000	1.00000
Cu 324.754	Cu	1.00000000	1.00000000	mg/L	44602.38364019	-	-	975.78558221	2.19	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.00000000	1.00000
Fe 259.940	Fe			mg/L	130573.09963275	-	-	3087.62721857	2.36		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558		
K 766.491	K-R	20.00000000	20.00000000	mg/L	29054.19131981	-	-	190.87143055	0.66	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	20.00000000	20.0000
Li 670.783	Li-R	1.00000000	1.00000000	mg/L	108829.12251712	-	-	870.38916078	0.80	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.00000000	1.00000
Mg 279.800	Mg-R	10.00000000	10.00000000	mg/L	24637.79761811	-	-	215.30587907	0.87	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.875911109	10.00000000	10.0000
Mn 257.610	Mn	1.00000000	1.00000000	mg/L	484982.70925523	-	-	9026.77637266	1.86	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.00000000	1.00000
Mo 204.598	Mo	1.00000000	1.00000000	mg/L	12463.35493584	-	-	382.11498757	3.07	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.00000000	1.00000
Na 589.592	Na-R	20.00000000	20.00000000	mg/L	208350.42042992	-	-	1456.25263910	0.70	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	20.00000000	20.0000
Ni 231.604	Ni	1.00000000	1.00000000	mg/L	26110.09419100	-	-	627.01251115	2.40	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.00000000	1.00000
P 177.434	P			mg/L	6.77214305	-	-	1.77106208	26.15		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468		
Pb 220.353	Pb	1.00000000	1.00000000	mg/L	9237.20921747	-	-	213.11874855	2.31	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.00000000	1.00000
S 181.972	S			mg/L	303.74028018	-	-	3.09638932	1.02		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716		
Sb 206.834	Sb	3.00003000	3.00003000	mg/L	14068.96033065	-	-	321.73643278	2.29	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	3.00003000	3.00003
Se 196.026	Se	3.00000300	3.00000300	mg/L	13195.66152214	-	-	330.25283919	2.50	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	3.00000300	3.00000
Si 251.611	Si			mg/L	6321.97585809	-	-	2.31439044	0.04		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166		
Sn 189.925	Sn	1.00000000	1.00000000	mg/L	13091.95868977	-	-	298.16517167	2.28	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	1.00000000	1.00000
Sr 421.552	Sr-R	5.00000000	5.00000000	mg/L	2334631.64118306	-	-	27165.69269959	1.16	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	5.00000000	5.00000
Ti 334.941	Ti	1.00000000	1.00000000	mg/L	376269.71701824	-	-	9896.21449262	2.63	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.00000000	1.00000
Tl 190.794	Tl	3.00003000	3.00003000	mg/L	12256.99516246	-	-	387.91382976	3.16	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	3.00003000	3.00003
V 292.401	V	0.50000000	0.50000000	mg/L	20213.30119604	-	-	508.54453962	2.52	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.50000000	0.50000
Zn 206.200	Zn	3.00003000	3.00003000	mg/L	204113.06374661	-	-	5253.46528568	2.57	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	3.00003000	3.00003
Y 371.029	Y	0.98	0.98	Ratio	960041.74	0.01	1.02	9787.20	1.02		-	-	-	Fitted	-	-	0.97	0.98
Y 371.029	Y-R	0.98	0.98	Ratio	228813.88	0.01	0.79	1816.08	0.79		-	-	-	Fitted	-	-	0.97	0.99

Instrument ID: MET09

Label: ICAL,L5,S18207 | Rack:Tube: S1:6 | Type: STD
Date Time: 4/17/2023 3:59:23 PM | Flags: | Weight: -
Volume: - | Dilution: - | %RSE limit: -
Calibration Coefficient [3]: - | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description: | Replicates: 3 | Flags Replicate 1:
Flags Replicate 2: | Flags Replicate 3:

Element	Element Label	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag			mg/L	467.37162672	-	-	69.57124603	14.89		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	
Al 396.152	Al	10.00000000	10.00000000	mg/L	445656.80326878	-	-	7415.50508979	1.66	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	10.00000000
As 188.980	As	5.00000000	5.00000000	mg/L	25820.28525211	-	-	258.68140883	1.00	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	5.00000000
B 249.678	B	5.00000000	5.00000000	mg/L	228912.33802150	-	-	1804.76287359	0.79	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	5.00000000
Ba 230.424	Ba	5.00000000	5.00000000	mg/L	579007.90267200	-	-	9874.39466607	1.71	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	5.00000000
Be 313.107	Be	1.50000000	1.50000000	mg/L	4254575.30889407	-	-	68320.53475337	1.61	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.50000000
Ca 317.933	Ca-R	50.00000000	50.00000000	mg/L	741639.84151475	-	-	1788.03402220	0.24	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	50.00000000
Cd 214.439	Cd	2.50000000	2.50000000	mg/L	606141.85711119	-	-	6466.24253762	1.07	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	2.50000000
Co 230.786	Co	2.50000000	2.50000000	mg/L	124359.13568878	-	-	1631.07346620	1.31	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	2.50000000
Cr 267.716	Cr	5.00000000	5.00000000	mg/L	393953.33156633	-	-	6117.31407679	1.55	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	5.00000000
Cu 324.754	Cu	5.00000000	5.00000000	mg/L	252160.30734018	-	-	3449.83927978	1.37	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	5.00000000
Fe 259.940	Fe			mg/L	697215.16487337	-	-	10617.79208026	1.52		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	
K 766.491	K-R	100.00000000	100.00000000	mg/L	160577.99485978	-	-	326.38908932	0.20	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	100.00000000
Li 670.783	Li-R	5.00000000	5.00000000	mg/L	585585.47968223	-	-	1445.50472942	0.25	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	5.00000000
Mg 279.800	Mg-R	50.00000000	50.00000000	mg/L	129308.97402964	-	-	246.35411046	0.19	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	50.00000000
Mn 257.610	Mn	5.00000000	5.00000000	mg/L	2580607.32084867	-	-	39415.55836307	1.53	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	5.00000000
Mo 204.598	Mo	5.00000000	5.00000000	mg/L	68141.15481591	-	-	1335.06573125	1.96	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	5.00000000
Na 589.592	Na-R	100.00000000	100.00000000	mg/L	1098319.03611676	-	-	2584.35631455	0.24	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	100.00000000
Ni 231.604	Ni	5.00000000	5.00000000	mg/L	138462.04179626	-	-	1838.18005122	1.33	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	5.00000000
P 177.434	P			mg/L	-0.02316016	-	-	3.19619958	> 100.00		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	
Pb 220.353	Pb	5.00000000	5.00000000	mg/L	51597.46107185	-	-	631.81378528	1.22	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	5.00000000
S 181.972	S			mg/L	391.33496589	-	-	38.86100383	9.93		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	
Sb 206.834	Sb	15.00015000	15.00015000	mg/L	77546.42094128	-	-	1041.75352390	1.34	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	15.00015000
Se 196.026	Se	15.00000000	15.00000000	mg/L	71446.08030316	-	-	718.86810710	1.01	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	15.00000000
Si 251.611	Si			mg/L	7188.66782523	-	-	86.37084678	1.20		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	
Sn 189.925	Sn	5.00000000	5.00000000	mg/L	69856.23495099	-	-	567.23380585	0.81	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	5.00000000
Sr 421.552	Sr-R	25.00000000	25.00000000	mg/L	12224038.00401750	-	-	127870.38349770	1.05	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	25.00000000
Ti 334.941	Ti	5.00000000	5.00000000	mg/L	2041640.93354147	-	-	43103.36707798	2.11	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	5.00000000
Tl 190.794	Tl	15.00015000	15.00015000	mg/L	66444.24900705	-	-	1052.95936257	1.58	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	15.00015000
V 292.401	V	2.50000000	2.50000000	mg/L	109971.36132541	-	-	1602.96046470	1.46	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	2.50000000
Zn 206.200	Zn	15.00015000	15.00015000	mg/L	1058295.41710726	-	-	8955.88832435	0.85	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	15.00015000
Y 371.029	Y	0.92	0.92	Ratio	898812.27	0.01	0.80	7232.63	0.80		-	-	-	Fitted	-	-	0.91
Y 371.029	Y-R	0.92	0.92	Ratio	214242.93	0.00	0.47	1003.90	0.47		-	-	-	Fitted	-	-	0.92

Instrument ID: MET09

Label:	ICAL,L6,S18171	Rack:Tube:	S1:7	Type:	STD
Date Time:	4/17/2023 4:02:37 PM	Flags:		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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Co Re
Ag 328.068	Ag			mg/L	386.71569413	-	-	40.35180330	10.43		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058		
Al 396.152	Al	20.00000000	20.00000000	mg/L	918566.06407727	-	-	16103.78857319	1.75	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	20.00000000	2(
As 188.980	As	10.00000000	10.00000000	mg/L	51471.26658509	-	-	774.68329138	1.51	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	10.00000000	1(
B 249.678	B	10.00000000	10.00000000	mg/L	462822.81357162	-	-	7016.72338647	1.52	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	10.00000000	1(
Ba 230.424	Ba	10.00000000	10.00000000	mg/L	1150596.56641556	-	-	18856.33993502	1.64	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	10.00000000	1(
Be 313.107	Be	3.00000000	3.00000000	mg/L	8447311.89519590	-	-	171002.49968233	2.02	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	3.00000000	3.
Ca 317.933	Ca-R	100.00000000	100.00000000	mg/L	1480040.17290554	-	-	1587.07458316	0.11	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	100.00000000	1(
Cd 214.439	Cd	5.00000000	5.00000000	mg/L	1182150.41535764	-	-	27282.32463367	2.31	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	5.00000000	5.
Co 230.786	Co	5.00000000	5.00000000	mg/L	247667.09690964	-	-	3970.49923278	1.60	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	5.00000000	5.
Cr 267.716	Cr	10.00000000	10.00000000	mg/L	780768.78230786	-	-	13523.23120116	1.73	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	10.00000000	1(
Cu 324.754	Cu	10.00000000	10.00000000	mg/L	518480.10870606	-	-	8261.55137616	1.59	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	10.00000000	1(
Fe 259.940	Fe	20.00000000	20.00000000	mg/L	1373809.18986503	-	-	21279.19607426	1.55		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	20.00000000	2(
K 766.491	K-R	200.00000000	200.00000000	mg/L	329397.83785921	-	-	505.05677776	0.15	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	200.00000000	2(
Li 670.783	Li-R	10.00000000	10.00000000	mg/L	1198368.08253057	-	-	3601.95792856	0.30	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	10.00000000	1(
Mg 279.800	Mg-R	100.00000000	100.00000000	mg/L	259588.68883761	-	-	328.18835321	0.13	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	100.00000000	1(
Mn 257.610	Mn	10.00000000	10.00000000	mg/L	5032318.23299171	-	-	120982.91620744	2.40	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	10.00000000	1(
Mo 204.598	Mo	10.00000000	10.00000000	mg/L	136852.39698464	-	-	2508.92296784	1.83	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	10.00000000	1(
Na 589.592	Na-R	200.00000000	200.00000000	mg/L	2218775.92942915	-	-	10637.02049143	0.48	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	200.00000000	2(
Ni 231.604	Ni	10.00000000	10.00000000	mg/L	275042.38671298	-	-	4327.66982964	1.57	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	10.00000000	1(
P 177.434	P			mg/L	-6.64454597	-	-	2.64453330	39.80		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468		
Pb 220.353	Pb	10.00000000	10.00000000	mg/L	103099.99999107	-	-	1471.65461349	1.43	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	10.00000000	1(
S 181.972	S			mg/L	346.37599457	-	-	22.67480168	6.55		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716		
Sb 206.834	Sb	30.00030000	30.00030000	mg/L	155300.68692486	-	-	2689.07686851	1.73	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	30.00030000	3(
Se 196.026	Se	30.00000000	30.00000000	mg/L	142870.50206042	-	-	2034.30525848	1.42	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	30.00000000	3(
Si 251.611	Si			mg/L	7981.09680512	-	-	86.04498781	1.08		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166		
Sn 189.925	Sn	10.00000000	10.00000000	mg/L	138994.07219420	-	-	2256.99713778	1.62	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	10.00000000	1(
Sr 421.552	Sr-R	50.00000000	50.00000000	mg/L	24479403.61753520	-	-	88612.55242691	0.36	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	50.00000000	5(
Ti 334.941	Ti	10.00000000	10.00000000	mg/L	4095626.50190750	-	-	95369.90081317	2.33	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	10.00000000	1(
Tl 190.794	Tl	30.00030000	30.00030000	mg/L	132722.31429919	-	-	2214.56512830	1.67	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	30.00030000	3(
V 292.401	V	5.00000000	5.00000000	mg/L	221084.16340201	-	-	4065.73144481	1.84	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	5.00000000	5.
Zn 206.200	Zn	30.00030000	30.00030000	mg/L	2050214.29730878	-	-	45321.34983225	2.21	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	30.00030000	3(
Y 371.029	Y	0.92	0.92	Ratio	906127.81	0.01	0.74	6698.58	0.74		-	-	-	Fitted	-	-	0.92	0.
Y 371.029	Y-R	0.91	0.91	Ratio	213916.46	0.00	0.33	706.39	0.33		-	-	-	Fitted	-	-	0.92	0.

Instrument ID: MET09

Label: ICAL,L7,S18176 | Rack:Tube: S1:8 | Type: STD
Date Time: 4/17/2023 4:05:51 PM | Flags: | 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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	2.00000000	2.00000000	mg/L	185309.80614290	-	-	1880.69989261	1.01		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	2.00000000	2.00000000
Al 396.152	Al			mg/L	1730.16149421	-	-	23.79278733	1.38	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317		
As 188.980	As			mg/L	61.84907034	-	-	7.08290533	11.45	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394		
B 249.678	B			mg/L	2554.74650079	-	-	66.43558511	2.60	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095		
Ba 230.424	Ba			mg/L	460.02844759	-	-	1.41965959	0.31	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572		
Be 313.107	Be			mg/L	1039.97833083	-	-	41.44799722	3.99	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957		
Ca 317.933	Ca-R			mg/L	2251.07422501	-	-	14.98411844	0.67	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045		
Cd 214.439	Cd			mg/L	90.02357626	-	-	18.35493490	20.39	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814		
Co 230.786	Co			mg/L	69.82835124	-	-	18.24476566	26.13	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849		
Cr 267.716	Cr			mg/L	25.30865742	-	-	11.39221244	45.01	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966		
Cu 324.754	Cu			mg/L	826.73464246	-	-	15.63690017	1.89	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796		
Fe 259.940	Fe			mg/L	526.86123235	-	-	8.27096678	1.57		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558		
K 766.491	K-R			mg/L	208.23434887	-	-	21.58460321	10.37	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887		
Li 670.783	Li-R			mg/L	87.06183444	-	-	45.68351769	52.47	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331		
Mg 279.800	Mg-R			mg/L	77.92441744	-	-	7.09966709	9.11	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109		
Mn 257.610	Mn			mg/L	1088.09128870	-	-	3.25261026	0.30	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823		
Mo 204.598	Mo			mg/L	88.17407039	-	-	20.48290558	23.23	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762		
Na 589.592	Na-R			mg/L	1667.91140410	-	-	311.88353702	18.70	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207		
Ni 231.604	Ni			mg/L	128.54262189	-	-	4.35033120	3.38	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427		
P 177.434	P			mg/L	3.89074935	-	-	3.00282644	77.18		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468		
Pb 220.353	Pb			mg/L	-594.57051293	-	-	19.75232021	3.32	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375		
S 181.972	S			mg/L	197.11997342	-	-	1.53956799	0.78		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716		
Sb 206.834	Sb			mg/L	43.77859317	-	-	7.06766039	16.14	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747		
Se 196.026	Se			mg/L	70.53978025	-	-	14.26805007	20.23	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524		
Si 251.611	Si			mg/L	5985.84202457	-	-	7.02907600	0.12		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166		
Sn 189.925	Sn			mg/L	54.69964707	-	-	6.34691290	11.60	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398		
Sr 421.552	Sr-R			mg/L	2101.90448757	-	-	41.87984186	1.99	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396		
Ti 334.941	Ti			mg/L	1598.03729123	-	-	22.24492274	1.39	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836		
Tl 190.794	Tl			mg/L	14.09430823	-	-	3.43683332	24.38	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452		
V 292.401	V			mg/L	-5.18216901	-	-	9.01361057	> 100.00	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681		
Zn 206.200	Zn			mg/L	350.04587689	-	-	10.28765710	2.94	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368		
Y 371.029	Y	0.97	0.97	Ratio	951978.89	0.01	0.61	5776.77	0.61		-	-	-	Fitted	-	-	0.97	0.97
Y 371.029	Y-R	0.98	0.98	Ratio	230101.51	0.01	0.84	1931.62	0.84		-	-	-	Fitted	-	-	0.99	0.99

Instrument ID: MET09

Label:	ICAL,L8,S18177	Rack:Tube:	S1:9	Type:	STD
Date Time:	4/17/2023 4:09:05 PM	Flags:		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	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentra Replicate 2
Ag 328.068	Ag			mg/L	581.32224367	-	-	58.55387842	10.07		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058		
Al 396.152	Al			mg/L	1251.02384898	-	-	7.90082930	0.63	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317		
As 188.980	As			mg/L	49.16367588	-	-	3.49394423	7.11	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394		
B 249.678	B			mg/L	2396.02194723	-	-	19.02185957	0.79	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095		
Ba 230.424	Ba			mg/L	346.84208344	-	-	15.19554628	4.38	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572		
Be 313.107	Be			mg/L	333.36014074	-	-	10.59833296	3.18	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957		
Ca 317.933	Ca-R			mg/L	2053.92051835	-	-	9.33673968	0.45	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045		
Cd 214.439	Cd			mg/L	29.31727371	-	-	7.56390944	25.80	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814		
Co 230.786	Co			mg/L	69.52111837	-	-	3.51660613	5.06	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849		
Cr 267.716	Cr			mg/L	-19.68996578	-	-	1.87732740	9.53	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966		
Cu 324.754	Cu			mg/L	782.50489462	-	-	5.18166551	0.66	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796		
Fe 259.940	Fe			mg/L	297.21252545	-	-	7.24997632	2.44		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558		
K 766.491	K-R			mg/L	153.22237928	-	-	20.79727380	13.57	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887		
Li 670.783	Li-R			mg/L	15.19951785	-	-	37.43216083	> 100.00	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331		
Mg 279.800	Mg-R			mg/L	56.00045001	-	-	2.73682932	4.89	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.875911109		
Mn 257.610	Mn			mg/L	633.15797362	-	-	2.72971316	0.43	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823		
Mo 204.598	Mo			mg/L	47.03726005	-	-	1.65244545	3.51	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762		
Na 589.592	Na-R			mg/L	1297.98373854	-	-	190.62811275	14.69	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207		
Ni 231.604	Ni			mg/L	110.67963659	-	-	7.21870250	6.52	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427		
P 177.434	P	10.00000000	10.00000000	mg/L	7143.89333533	-	-	115.13922670	1.61		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	10.00000000	10.0000
Pb 220.353	Pb			mg/L	-572.42893781	-	-	4.06934253	0.71	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375		
S 181.972	S	10.00000000	10.00000000	mg/L	18771.69953420	-	-	245.32859966	1.31		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	10.00000000	10.0000
Sb 206.834	Sb			mg/L	-23.71265486	-	-	9.65814820	40.73	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747		
Se 196.026	Se			mg/L	37.30646846	-	-	8.46405858	22.69	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524		
Si 251.611	Si	10.00000000	10.00000000	mg/L	100363.81781638	-	-	1940.35540412	1.93		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	10.00000000	10.0000
Sn 189.925	Sn			mg/L	36.44516665	-	-	8.07779344	22.16	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398		
Sr 421.552	Sr-R			mg/L	150.26076263	-	-	19.30401151	12.85	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396		
Ti 334.941	Ti			mg/L	1253.40601953	-	-	171.97398081	13.72	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836		
Tl 190.794	Tl			mg/L	1.45369226	-	-	2.21824403	> 100.00	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452		
V 292.401	V			mg/L	-24.98029264	-	-	13.34708205	53.43	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681		
Zn 206.200	Zn			mg/L	163.66063775	-	-	7.68594704	4.70	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368		
Y 371.029	Y	1.00	1.00	Ratio	975972.47	0.01	0.73	7160.76	0.73		-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R	0.99	0.99	Ratio	231549.70	0.00	0.42	968.48	0.42		-	-	-	Fitted	-	-	0.99	0.99

Instrument ID: MET09

Label:	ICV,S18219	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	4/17/2023 4:12:19 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]	Concentration Replicate 1
Ag 328.068	Ag		0.48298485	0.48298485	mg/L	45165.80286904	0.00469289	0.97164406	433.53970545	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.47759503
Al 396.152	Al		1.02982813	1.02982813	mg/L	46141.49512819	0.01434770	1.39321330	623.57688101	1.35	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.01356358
As 188.980	As		1.02507301	1.02507301	mg/L	5170.96589733	0.00895018	0.87312620	44.82472445	0.87	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.01485085
B 249.678	B		1.02607822	1.02607822	mg/L	47633.20794225	0.01142868	1.11382176	505.94126800	1.06	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	1.01301449
Ba 230.424	Ba		1.04365879	1.04365879	mg/L	116102.61643474	0.01348124	1.29172908	1495.72449451	1.29	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.02846620
Be 313.107	Be		1.09379488	1.09379488	mg/L	2758173.85429608	0.01095826	1.00185665	27629.88704489	1.00	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.08183681
Ca 317.933	Ca-R		51.78015379	51.78015379	mg/L	766380.31427283	0.09109420	0.17592493	1344.68645125	0.18	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	51.87346685
Cd 214.439	Cd		1.07224286	1.07224286	mg/L	241471.07992876	0.01203838	1.12272850	2710.97432660	1.12	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.05834783
Co 230.786	Co		1.02020860	1.02020860	mg/L	49395.27440435	0.01034579	1.01408527	500.66858206	1.01	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	1.00912697
Cr 267.716	Cr		1.03003350	1.03003350	mg/L	76234.02954999	0.01341727	1.30260558	993.61618401	1.30	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.01492504
Cu 324.754	Cu		1.02221862	1.02221862	mg/L	48484.94545934	0.01031715	1.00928980	481.57184150	0.99	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.01052435
Fe 259.940	Fe		0.99444474	0.99444474	mg/L	70584.37229057	0.01336612	1.34407919	918.02172426	1.30		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.97983851
K 766.491	K-R		58.32353577	58.32353577	mg/L	94345.59728820	0.01307587	0.02241955	21.16439310	0.02	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	58.33583990
Li 670.783	Li-R		1.01546883	1.01546883	mg/L	116992.77080933	0.00087782	0.08644477	101.38769644	0.09	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.01645124
Mg 279.800	Mg-R		52.27543067	52.27543067	mg/L	134450.39658944	0.04557834	0.08718883	117.22182466	0.09	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	52.32785459
Mn 257.610	Mn		1.04684335	1.04684335	mg/L	518110.26991121	0.01355382	1.29473246	6699.31566384	1.29	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.03216286
Mo 204.598	Mo		1.05308376	1.05308376	mg/L	13735.96348107	0.01895839	1.80027407	246.88006156	1.80	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.03219852
Na 589.592	Na-R		50.98890945	50.98890945	mg/L	563091.75208290	0.08332400	0.16341593	909.55976061	0.16	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	51.04634794
Ni 231.604	Ni		1.02155293	1.02155293	mg/L	27207.48131326	0.01150438	1.12616537	305.51327411	1.12	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.00859370
P 177.434	P		5.30320029	5.30320029	mg/L	3791.02781333	0.04119099	0.77671949	29.39842790	0.78		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	5.25649593
Pb 220.353	Pb		1.01220483	1.01220483	mg/L	9689.77358173	0.01106784	1.09343838	112.10038069	1.16	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.99969823
S 181.972	S		5.35276924	5.35276924	mg/L	10160.83054448	0.02969878	0.55483010	55.01577368	0.54		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	5.31848657
Sb 206.834	Sb		1.03897479	1.03897479	mg/L	5068.23399292	0.01488509	1.43267132	73.39767808	1.45	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	1.02294373
Se 196.026	Se		1.00538963	1.00538963	mg/L	4717.41608953	0.01551149	1.54283399	72.54552734	1.54	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.98806817
Si 251.611	Si		5.30586069	5.30586069	mg/L	56082.84477100	0.07754356	1.46146993	731.42209982	1.30		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.21926053
Sn 189.925	Sn		5.11792278	5.11792278	mg/L	69180.43466165	0.06045446	1.18123037	816.91027799	1.18	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	5.05447311
Sr 421.552	Sr-R		1.09145184	1.09145184	mg/L	509010.79252233	0.00206503	0.18920072	962.09710721	0.19	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	1.09364035
Ti 334.941	Ti	Q	1.12569530	1.12569530	mg/L	405519.81259189	0.01741636	1.54716487	6265.04054958	1.54	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.10779186
Tl 190.794	Tl		1.00402438	1.00402438	mg/L	4322.55977830	0.01569442	1.56315142	67.62745198	1.56	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.98592924
V 292.401	V		1.02886588	1.02886588	mg/L	43831.28352657	0.01246431	1.21146094	531.29650148	1.21	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	1.01466773
Zn 206.200	Zn		1.05407907	1.05407907	mg/L	72024.10344405	0.00859743	0.81563432	586.71601160	0.81	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.04416902
Y 371.029	Y		0.95	0.95	Ratio	927394.50	0.00	0.40	3697.48	0.40		-	-	-	Fitted	-	-	0.94
Y 371.029	Y-R		0.94	0.94	Ratio	219970.09	0.00	0.25	549.35	0.25		-	-	-	Fitted	-	-	0.94

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023011	File:	icp data	Time:	17-APR-2023 16:15
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	962115	-1.81
Yttrium	R	233994	232327	-0.71

Instrument ID: MET09

Label: ICB | Rack:Tube: S1:1 | Type: QC

Date Time: 4/17/2023 4:15:33 PM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMSID: | 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]	Concentration Replicate 1	C R
Ag 328.068	Ag	u	0.00021170	0.00021170	mg/L	565.01898935	0.00036198	170.98897029	33.44040709	5.92		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00020191	0
Al 396.152	Al	u	-0.00123391	-0.00123391	mg/L	1324.38088546	0.00073101	59.24320909	31.77090943	2.40	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	-0.00038990	-(
As 188.980	As		0.00306478	0.00306478	mg/L	55.86538365	0.00124311	40.56105054	6.22579066	11.14	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00242399	0
B 249.678	B		0.00170118	0.00170118	mg/L	2337.53698704	0.00074087	43.55037358	32.79795004	1.40	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.00238911	0
Ba 230.424	Ba		0.00037758	0.00037758	mg/L	345.89782622	0.00006237	16.51726434	6.91945828	2.00	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00043165	0
Be 313.107	Be		0.00002657	0.00002657	mg/L	406.01595496	0.00000642	24.15988846	16.18487236	3.99	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00003390	0
Ca 317.933	Ca-R	u	-0.00096272	-0.00096272	mg/L	1997.04974655	0.00075106	78.01498439	11.08680582	0.56	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	-0.00027101	-(
Cd 214.439	Cd		0.00010539	0.00010539	mg/L	26.74955585	0.00003027	28.72514430	6.81766022	25.49	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00008256	0
Co 230.786	Co		0.00081227	0.00081227	mg/L	58.86672317	0.00031793	39.14150415	15.38588149	26.14	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00117517	0
Cr 267.716	Cr	u	0.00010972	0.00010972	mg/L	-43.82192688	0.00013138	119.74128807	9.72898163	22.20	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	-0.00003488	0
Cu 324.754	Cu		0.00122048	0.00122048	mg/L	782.67966551	0.00052872	43.32083297	24.67906313	3.15	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00174042	0
Fe 259.940	Fe		0.00004320	0.00004320	mg/L	158.11238823	0.00002345	54.27640539	1.61053264	1.02		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.00001890	0
K 766.491	K-R		0.11898589	0.11898589	mg/L	117.61391933	0.01997750	16.78980716	32.33525908	27.49	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.14170491	0
Li 670.783	Li-R	Z	0.00553063	0.00553063	mg/L	-24.52709676	0.00008291	1.49909147	9.57596287	39.04	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00560974	0
Mg 279.800	Mg-R		0.01792449	0.01792449	mg/L	51.05287311	0.00096586	5.38847927	2.48406567	4.87	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.01710707	0
Mn 257.610	Mn	u	-0.00011062	-0.00011062	mg/L	512.43081282	0.00004792	43.31900386	23.68566936	4.62	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	-0.00005555	-(
Mo 204.598	Mo		0.00118447	0.00118447	mg/L	35.00658370	0.00070333	59.37927153	9.15894040	26.16	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00188610	0
Na 589.592	Na-R	u	-0.00014076	-0.00014076	mg/L	1183.01286997	0.02887108	20511.25490153	315.15492782	26.64	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	0.02813380	0
Ni 231.604	Ni		0.00126248	0.00126248	mg/L	111.90758326	0.00082530	65.37112846	21.91688492	19.58	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00037715	0
P 177.434	P	u	0.00280222	0.00280222	mg/L	8.79167047	0.00458932	163.77442163	3.27544647	37.26		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	-0.00087879	0
Pb 220.353	Pb	u	-0.00144056	-0.00144056	mg/L	-590.44626479	0.00125295	86.97671140	12.69049520	2.15	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	-0.00153175	-(
S 181.972	S	u	-0.03065199	-0.03065199	mg/L	190.32625443	0.00233708	7.62455274	4.32934044	2.27		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	-0.03334355	-(
Sb 206.834	Sb		0.00359568	0.00359568	mg/L	-40.64978379	0.00008078	2.24656021	0.39831777	0.98	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.00361171	0
Se 196.026	Se		0.00142895	0.00142895	mg/L	21.40274660	0.00106681	74.65655085	4.98933626	23.31	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.00190781	0
Si 251.611	Si	u	0.00033944	0.00033944	mg/L	6042.98972203	0.00191644	564.59411065	18.07665815	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.00243842	-(
Sn 189.925	Sn		0.00131183	0.00131183	mg/L	38.28437391	0.00044340	33.79989696	5.99154772	15.65	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00168035	0
Sr 421.552	Sr-R	u	-0.00002292	-0.00002292	mg/L	114.81360168	0.00001939	84.61607367	9.03490497	7.87	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	-0.00003201	-(
Ti 334.941	Ti		0.00045565	0.00045565	mg/L	806.26166296	0.00004207	9.23342132	15.13408381	1.88	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00049741	0
Tl 190.794	Tl		0.00371601	0.00371601	mg/L	12.33370867	0.00261118	70.26830670	11.25158551	91.23	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00609462	0
V 292.401	V	u	0.00003503	0.00003503	mg/L	-29.08805137	0.00011100	316.87957630	4.73142440	16.27	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00014670	-(
Zn 206.200	Zn		0.00052983	0.00052983	mg/L	117.19553283	0.00008617	16.26370157	5.88046006	5.02	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.00054921	0
Y 371.029	Y		0.98	0.98	Ratio	962114.65	0.01	0.67	6469.39	0.67		-	-	-	Fitted	-	-	0.97	0
Y 371.029	Y-R		0.99	0.99	Ratio	232326.56	0.00	0.27	624.26	0.27		-	-	-	Fitted	-	-	0.99	0

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023013	File:	icp data	Time:	17-APR-2023 16:22
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S17961

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.007288]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	389.2	mg/L	97	
Aluminum as Al2O3	A	755.8	735.4	mg/L	97	
Iron	A	160.0	151.5	mg/L	95	
Iron as Fe2O3	A	228.8	216.5	mg/L	95	
Calcium	R	400.0	397.5	mg/L	99	
Calcium as CaCO3	R	998.9	992.5	mg/L	99	
Magnesium	R	400.0	404.6	mg/L	101	
Magnesium as MgCO3	R	1388	1403	mg/L	101	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	858737	-12.36
Yttrium	R	233994	204329	-12.68

-=low bias a=ICSA

Instrument ID: MET09

Label: ICSA,S17961 | Rack:Tube: S1:14 | Type: QC

Date Time: 4/17/2023 4:22:02 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]	Concentra Replicate
Ag 328.068	Ag	b	0.00058966	0.00058966	mg/L	283.33291871	0.00014739	24.99560002	13.61616849	4.81		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.00047
Al 396.152	Al	bo	389.19478467	389.19478467	mg/L	16916480.33881970	7.70105124	1.97871388	334701.49840114	1.98	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	380.534
As 188.980	As	Kb	0.01102232	0.01102232	mg/L	91.42864292	0.00125793	11.41255736	6.30001750	6.89	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00965
B 249.678	B	Kb	0.01735273	0.01735273	mg/L	2151.77455263	0.00090200	5.19800185	39.93081615	1.86	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.01645
Ba 230.424	Ba	b	0.00096044	0.00096044	mg/L	960.30315989	0.00016443	17.12055567	18.24353916	1.90	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00083
Be 313.107	Be	b	0.00026748	0.00026748	mg/L	446.74648105	0.00002571	9.61124511	64.81916595	14.51	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00024
Ca 317.933	Ca-R	bo	397.45310136	397.45310136	mg/L	5869788.97442927	0.69485498	0.17482691	10257.09722089	0.17	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	398.255
Cd 214.439	Cd	bu	-0.00006214	-0.00006214	mg/L	525.13230107	0.00009663	155.51114745	21.76124559	4.14	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.0001
Co 230.786	Co	bu	-0.00028417	-0.00028417	mg/L	72.27693144	0.00018906	66.53045298	9.14911684	12.66	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	-0.0003
Cr 267.716	Cr	bu	-0.00081109	-0.00081109	mg/L	54.06349625	0.00013232	16.31441788	9.79931821	18.13	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	-0.0009
Cu 324.754	Cu	Kbu	-0.01025226	-0.01025226	mg/L	698.51674929	0.00064935	6.33372322	30.30959889	4.34	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	-0.0107
Fe 259.940	Fe	bo	151.45221726	151.45221726	mg/L	10419768.76997630	2.54403322	1.67975964	174731.10428205	1.68		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	148.593
K 766.491	K-R	bu	-0.00444390	-0.00444390	mg/L	96.96748925	0.04207648	946.83738590	68.10429728	70.23	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	-0.0526
Li 670.783	Li-R	Kbu	-0.03369768	-0.03369768	mg/L	350.73248683	0.00063593	1.88716754	73.44975736	20.94	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	-0.0343
Mg 279.800	Mg-R	bo	404.57987274	404.57987274	mg/L	1040691.31025106	0.44997841	0.11122116	1157.28862353	0.11	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	405.099
Mn 257.610	Mn	b	0.00061093	0.00061093	mg/L	1431.86124509	0.00009964	16.30898963	49.24817072	3.44	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.00049
Mo 204.598	Mo	bu	-0.00089272	-0.00089272	mg/L	118.32652246	0.00036745	41.16079783	4.78499395	4.04	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	-0.0004
Na 589.592	Na-R	b	0.01878947	0.01878947	mg/L	2408.85080560	0.01978950	105.32231090	216.02099316	8.97	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	0.04056
Ni 231.604	Ni	Kb	0.00463110	0.00463110	mg/L	137.79336982	0.00019818	4.27924771	5.26281965	3.82	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00444
P 177.434	P	b	0.01215895	0.01215895	mg/L	8.88960176	0.00443143	36.44585289	3.16275807	35.58		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.00924
Pb 220.353	Pb	Kbu	-0.00728771	-0.00728771	mg/L	-1967.44839011	0.00232436	31.89421580	23.54221850	1.20	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	-0.0050
S 181.972	S	b	0.12623766	0.12623766	mg/L	488.21143986	0.00737116	5.83911023	13.65476737	2.80		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	0.13351
Sb 206.834	Sb	Kbu	-0.01159917	-0.01159917	mg/L	-39.50204204	0.00368585	31.77684667	18.17474607	46.01	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.0132
Se 196.026	Se	Kb	0.01711016	0.01711016	mg/L	63.71194270	0.00255202	14.91523677	11.93551532	18.73	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.01492
Si 251.611	Si	b	0.05248518	0.05248518	mg/L	6466.31447309	0.00153369	2.92214485	14.46641082	0.22		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.05206
Sn 189.925	Sn	b	0.00122268	0.00122268	mg/L	48.64345056	0.00034114	27.90078200	4.60973328	9.48	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00084
Sr 421.552	Sr-R	bu	-0.00337848	-0.00337848	mg/L	1506.39804454	0.00002023	0.59892958	9.42733381	0.63	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	-0.0033
Ti 334.941	Ti	b	0.00134369	0.00134369	mg/L	667.49636884	0.00034556	25.71721413	124.30538485	18.62	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00152
Tl 190.794	Tl	b	0.00058085	0.00058085	mg/L	-0.78684369	0.00004058	6.98650576	0.17486482	22.22	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00058
V 292.401	V	Kbu	-0.00170851	-0.00170851	mg/L	-231.83315495	0.00071348	41.76030419	30.41235955	13.12	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	-0.0021
Zn 206.200	Zn	bu	-0.00621302	-0.00621302	mg/L	230.95993923	0.00022128	3.56153587	15.10077402	6.54	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	-0.0059
Y 371.029	Y		0.88	0.88	Ratio	858736.62	0.00	0.49	4173.69	0.49		-	-	-	Fitted	-	-	0.87
Y 371.029	Y-R		0.87	0.87	Ratio	204329.21	0.00	0.23	468.12	0.23		-	-	-	Fitted	-	-	0.87

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023014	File:	icp data	Time:	17-APR-2023 16:25
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18242

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.088	mg/L	9	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	857578	-12.48
Yttrium	R	233994	204681	-12.53

Instrument ID: MET09

Label: ICSAB,S18098 | Rack:Tube: S1:15 | Type: QC
Date Time: 4/17/2023 4:25:17 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]	Concentration Replicates
Ag 328.068	Ag	b	1.12252495	1.12252495	mg/L	103918.68201254	0.00752411	0.67028417	695.09336369	0.67		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	1.113
Al 396.152	Al	bo	407.49787151	407.49787151	mg/L	17711964.36545070	4.14869527	1.01809005	180309.73693229	1.02	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	402.9
As 188.980	As	b	0.01023057	0.01023057	mg/L	87.09685526	0.00119342	11.66525652	5.97695310	6.86	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.011
B 249.678	B	b	0.01794728	0.01794728	mg/L	2140.10355405	0.00029986	1.67077212	13.27455208	0.62	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.018
Ba 230.424	Ba	b	0.56877649	0.56877649	mg/L	63978.60991484	0.00514713	0.90494780	571.06664792	0.89	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.562
Be 313.107	Be	b	0.59308375	0.59308375	mg/L	1495137.20648768	0.00433469	0.73087251	10929.37398634	0.73	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.588
Ca 317.933	Ca-R	bo	411.92144475	411.92144475	mg/L	6083391.78787693	0.90856328	0.22056712	13411.75078866	0.22	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	411.7
Cd 214.439	Cd	b	1.14220222	1.14220222	mg/L	257777.22537435	0.00648635	0.56788130	1460.69003265	0.57	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.134
Co 230.786	Co	b	0.53325342	0.53325342	mg/L	25894.72364932	0.00404575	0.75869197	195.78798067	0.76	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.528
Cr 267.716	Cr	b	0.55974696	0.55974696	mg/L	41572.65350537	0.00465046	0.83081463	344.38977912	0.83	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.554
Cu 324.754	Cu	b	0.59280210	0.59280210	mg/L	28866.42955616	0.00421910	0.71172152	196.93424540	0.68	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.588
Fe 259.940	Fe	bo	158.41129621	158.41129621	mg/L	10898422.99471410	1.41146654	0.89101382	96943.35206529	0.89		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	156.9
K 766.491	K-R	bu	0.02492846	0.02492846	mg/L	152.31813097	0.03947688	158.36066295	63.89662664	41.95	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.012
Li 670.783	Li-R	bu	-0.03576264	-0.03576264	mg/L	318.20826021	0.00079612	2.22613428	91.95192761	28.90	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	-0.03
Mg 279.800	Mg-R	bo	419.71483203	419.71483203	mg/L	1079622.29726316	1.00529255	0.23951799	2585.48767569	0.24	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	419.4
Mn 257.610	Mn	b	0.56551808	0.56551808	mg/L	280674.14510153	0.00404963	0.71609204	2001.63114813	0.71	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.560
Mo 204.598	Mo	bu	-0.00084020	-0.00084020	mg/L	123.21501997	0.00165555	197.04258973	21.55888402	17.50	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	-0.00
Na 589.592	Na-R	bu	-0.05669969	-0.05669969	mg/L	4424.58875099	0.02355964	41.55161952	257.17558147	5.81	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	-0.03
Ni 231.604	Ni	b	1.08479036	1.08479036	mg/L	28821.32503079	0.00705578	0.65042797	187.37518166	0.65	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.076
P 177.434	P	b	0.01266166	0.01266166	mg/L	8.98722026	0.00112870	8.91429829	0.80556308	8.96		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	0.013
Pb 220.353	Pb	b	1.08832839	1.08832839	mg/L	9083.84273690	0.00757565	0.69608092	76.72979813	0.84	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.079
S 181.972	S	b	0.10733078	0.10733078	mg/L	453.08802542	0.00658434	6.13462609	12.19722576	2.69		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	0.114
Sb 206.834	Sb	bu	-0.00441510	-0.00441510	mg/L	-1.03018977	0.00296724	67.20649893	14.63129884	> 100.00	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.00
Se 196.026	Se	b	0.01939838	0.01939838	mg/L	73.30646701	0.00163220	8.41408226	7.63359644	10.41	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.019
Si 251.611	Si	b	0.04885696	0.04885696	mg/L	6429.19048806	0.00382664	7.83232358	36.09436630	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.053
Sn 189.925	Sn	b	0.00162611	0.00162611	mg/L	54.65041323	0.00171248	105.31144065	23.14044382	42.34	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.003
Sr 421.552	Sr-R	bu	-0.00379239	-0.00379239	mg/L	1449.66572699	0.00003277	0.86407690	15.26712090	1.05	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	-0.00
Ti 334.941	Ti	b	0.00155268	0.00155268	mg/L	723.06077120	0.00017360	11.18068186	62.44757334	8.64	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.001
Tl 190.794	Tl	b	0.00253863	0.00253863	mg/L	7.73401664	0.00260127	102.46716786	11.20888672	> 100.00	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.000
V 292.401	V	b	0.56844334	0.56844334	mg/L	24066.43071263	0.00573172	1.00831934	244.31720877	1.02	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.561
Zn 206.200	Zn	b	1.09521452	1.09521452	mg/L	75417.28873833	0.00728445	0.66511673	497.11437518	0.66	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.087
Y 371.029	Y		0.88	0.88	Ratio	857578.32	0.01	0.66	5624.24	0.66		-	-	-	Fitted	-	-	0.87
Y 371.029	Y-R		0.87	0.87	Ratio	204680.88	0.00	0.48	991.88	0.48		-	-	-	Fitted	-	-	0.88

ENTHALPY CONTINUING CALIBRATION FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023402	File:	icp data	Time:	18-APR-2023 17:43
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18219

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	-29710	9963.2	1.000	1.039	mg/L	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	926468	-5.45
Yttrium	R	233994	209884	-10.30

Instrument ID: MET09

Label:	CCV,S18219	Rack:Tube:	S1:10	Type:	QC
Date Time:	4/18/2023 5:43:10 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]	Concentration Replicate 1
Ag 328.068	Ag	S	0.49561724	0.49561724	mg/L	46332.83687376	0.00846586	1.70814419	782.09427264	1.69		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.48672962
Al 396.152	Al	S	1.05481651	1.05481651	mg/L	47227.72238890	0.02285549	2.16677360	993.34040120	2.10	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.02944888
As 188.980	As	S	1.06641607	1.06641607	mg/L	5377.90571746	0.01916119	1.79678387	95.96399763	1.78	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.04533390
B 249.678	B	S	1.05642338	1.05642338	mg/L	48974.69550264	0.01958956	1.85432873	867.21876935	1.77	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	1.03414384
Ba 230.424	Ba	S	1.08561142	1.08561142	mg/L	120757.40047485	0.02023846	1.86424548	2245.42801411	1.86	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.06319905
Be 313.107	Be	S	1.13896306	1.13896306	mg/L	2872058.73260476	0.01924215	1.68944436	48516.69089878	1.69	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.11692766
Ca 317.933	Ca-R	S	54.29988384	54.29988384	mg/L	803575.84772174	0.05844308	0.10763021	862.70709764	0.11	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	54.30895038
Cd 214.439	Cd	S	1.11079765	1.11079765	mg/L	250153.61442361	0.01741803	1.56806537	3922.44274323	1.57	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.09270767
Co 230.786	Co	S	1.05456821	1.05456821	mg/L	51058.19703726	0.02091700	1.98346587	1012.24651911	1.98	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	1.03239811
Cr 267.716	Cr	S	1.06804554	1.06804554	mg/L	79049.24488889	0.02072915	1.94084844	1535.09680509	1.94	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.04497703
Cu 324.754	Cu	S	1.05945865	1.05945865	mg/L	50224.71051725	0.01834711	1.73174416	856.38520927	1.71	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.03998644
Fe 259.940	Fe	S	1.03009658	1.03009658	mg/L	73101.85664900	0.02249231	2.18351437	1544.83265723	2.11		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	1.00575560
K 766.491	K-R	S	60.93875163	60.93875163	mg/L	98579.18772404	0.10927078	0.17931248	176.86390939	0.18	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	60.89792083
Li 670.783	Li-R	S	1.05984050	1.05984050	mg/L	122130.27202406	0.00371972	0.35097016	429.62609610	0.35	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.05832751
Mg 279.800	Mg-R	S	54.66406017	54.66406017	mg/L	140593.64899553	0.08222859	0.15042533	211.48173194	0.15	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	54.75169139
Mn 257.610	Mn	S	1.08129308	1.08129308	mg/L	535141.63167718	0.02467701	2.28217547	12197.22854977	2.28	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.05455807
Mo 204.598	Mo	S	1.08630899	1.08630899	mg/L	14168.72845094	0.02743218	2.52526532	357.22748002	2.52	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.05558446
Na 589.592	Na-R	S	52.99917102	52.99917102	mg/L	585227.41521817	0.11533081	0.21760871	1258.94416729	0.22	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	52.99482132
Ni 231.604	Ni	S	1.05468796	1.05468796	mg/L	28087.43720524	0.01905478	1.80667420	506.02371883	1.80	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.03368993
P 177.434	P	S	5.65901567	5.65901567	mg/L	4044.95361079	0.10237835	1.80911941	73.06846838	1.81		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	5.55754618
Pb 220.353	Pb	S	1.03915233	1.03915233	mg/L	9963.21353159	0.01710796	1.64633774	173.27763832	1.74	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.02048999
S 181.972	S	S	5.59333701	5.59333701	mg/L	10606.39916253	0.07478725	1.33707750	138.54034182	1.31		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	5.50922789
Sb 206.834	Sb	S	1.07760927	1.07760927	mg/L	5258.86397524	0.02394579	2.22212130	118.07550813	2.25	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	1.05204145
Se 196.026	Se	S	1.03702371	1.03702371	mg/L	4865.38158894	0.02685103	2.58923996	125.57929145	2.58	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	1.00721295
Si 251.611	Si	S	5.56263862	5.56263862	mg/L	58504.73627732	0.14180674	2.54927105	1337.57828951	2.29		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.40913214
Sn 189.925	Sn	S	5.30124995	5.30124995	mg/L	71657.77965619	0.10659424	2.01073784	1440.38888334	2.01	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	5.18922449
Sr 421.552	Sr-R	S	1.14880969	1.14880969	mg/L	535747.26302532	0.00078982	0.06875074	367.97392346	0.07	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	1.14951207
Ti 334.941	Ti	S	1.16449571	1.16449571	mg/L	419475.12084943	0.02693425	2.31295409	9688.83017548	2.31	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.13657444
Tl 190.794	Tl	S	1.03993459	1.03993459	mg/L	4477.29450706	0.01622654	1.56034202	69.92034231	1.56	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	1.02154493
V 292.401	V	S	1.06541447	1.06541447	mg/L	45389.36558498	0.02168155	2.03503441	924.18545005	2.04	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	1.04200212
Zn 206.200	Zn	S	1.08771309	1.08771309	mg/L	74319.72380181	0.01906285	1.75256262	1300.90972230	1.75	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.07137654
Y 371.029	Y		0.95	0.95	Ratio	926468.12	0.01	0.61	5612.34	0.61		-	-	-	Fitted	-	-	0.94
Y 371.029	Y-R		0.90	0.90	Ratio	209884.46	0.00	0.31	641.91	0.31		-	-	-	Fitted	-	-	0.90

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023403	File:	icp data	Time:	18-APR-2023 17:46
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	961457	-1.88
Yttrium	R	233994	218126	-6.78

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:11 | Type: QC

Date Time: 4/18/2023 5:46:24 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]	Concentration Replicate 1
Ag 328.068	Ag	u	-0.00092258	-0.00092258	mg/L	460.22947777	0.00045641	49.47089816	42.16407990	9.16		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00132499
Al 396.152	Al	Zu	-0.00576386	-0.00576386	mg/L	1127.49967397	0.00025854	4.48551141	11.23655657	1.00	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	-0.00586844
As 188.980	As		0.00206126	0.00206126	mg/L	50.83938480	0.00196877	95.51253951	9.86006860	19.39	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00431491
B 249.678	B		0.00138645	0.00138645	mg/L	2323.60239612	0.00030379	21.91105026	13.44845705	0.58	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.00162200
Ba 230.424	Ba		0.00032773	0.00032773	mg/L	340.35630277	0.00010172	31.03839187	11.28585701	3.32	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00033950
Be 313.107	Be	u	-0.00000818	-0.00000818	mg/L	318.40895765	0.00001283	156.87523999	32.35035149	10.16	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00000606
Ca 317.933	Ca-R		0.00406976	0.00406976	mg/L	2071.33113712	0.00241950	59.45084289	35.71550448	1.72	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.00652917
Cd 214.439	Cd	u	0.00005214	0.00005214	mg/L	14.76177790	0.00005053	96.89674923	11.37819766	77.08	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	-0.00000280
Co 230.786	Co		0.00094046	0.00094046	mg/L	65.06918825	0.00030208	32.12067472	14.61874367	22.47	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00059260
Cr 267.716	Cr		0.00013409	0.00013409	mg/L	-42.01844506	0.00002414	18.00337328	1.78774417	4.25	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.00010724
Cu 324.754	Cu		0.00302172	0.00302172	mg/L	866.74875615	0.00024396	8.07351292	11.38723492	1.31	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00324445
Fe 259.940	Fe		0.00023165	0.00023165	mg/L	170.71633068	0.00023389	100.96938665	16.06427564	9.41		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.00017122
K 766.491	K-R		0.13732928	0.13732928	mg/L	147.30241683	0.01861317	13.55367904	30.12697296	20.45	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.15525538
Li 670.783	Li-R	Z	0.00890867	0.00890867	mg/L	365.60041081	0.00080494	9.03541702	92.96960062	25.43	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00893777
Mg 279.800	Mg-R		0.01629533	0.01629533	mg/L	46.86416307	0.00743439	45.62281575	19.12032993	40.80	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.02298299
Mn 257.610	Mn		0.00002417	0.00002417	mg/L	579.03723458	0.00001897	78.48418284	9.37505968	1.62	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.00001414
Mo 204.598	Mo		0.00142716	0.00142716	mg/L	38.16528359	0.00099878	69.98353217	13.00626080	34.08	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00035093
Na 589.592	Na-R	u	-0.03187167	-0.03187167	mg/L	838.79562951	0.01254439	39.35904217	136.93375331	16.33	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	-0.01827051
Ni 231.604	Ni		0.00085363	0.00085363	mg/L	101.05055337	0.00085813	100.52752462	22.78876445	22.55	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00181783
P 177.434	P	u	-0.00005378	-0.00005378	mg/L	6.75344455	0.00413386	7686.88230110	2.95038054	43.69		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	-0.00142865
Pb 220.353	Pb	u	0.00059139	0.00059139	mg/L	-569.83619120	0.00122352	206.88711216	12.39237822	2.17	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	-0.00079001
S 181.972	S	u	-0.04897500	-0.04897500	mg/L	156.38235166	0.00344460	7.03339177	6.38098852	4.08		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	-0.04502806
Sb 206.834	Sb	u	0.00078323	0.00078323	mg/L	-54.51695957	0.00197617	252.30998246	9.74439805	17.87	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	-0.00015723
Se 196.026	Se		0.00355961	0.00355961	mg/L	31.36741615	0.00178378	50.11167979	8.34253572	26.60	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.00387142
Si 251.611	Si		0.01868692	0.01868692	mg/L	6216.05004202	0.00070787	3.78803493	6.67688716	0.11		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.01943404
Sn 189.925	Sn		0.00140084	0.00140084	mg/L	39.48707996	0.00064426	45.99103158	8.70578131	22.05	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00084286
Sr 421.552	Sr-R	u	-0.00000897	-0.00000897	mg/L	121.31917257	0.00005549	618.87185591	25.85329088	21.31	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	-0.00003112
Ti 334.941	Ti		0.00040072	0.00040072	mg/L	786.50715163	0.00014189	35.40764430	51.03973726	6.49	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00037800
Tl 190.794	Tl		0.00206431	0.00206431	mg/L	5.21665995	0.00173695	84.14172577	7.48453426	> 100.00	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00032524
V 292.401	V	u	-0.00016361	-0.00016361	mg/L	-37.55876824	0.00028390	173.51755352	12.10121540	32.22	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00008084
Zn 206.200	Zn		0.00091770	0.00091770	mg/L	143.66100565	0.00008705	9.48514822	5.94023204	4.13	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.00084381
Y 371.029	Y		0.98	0.98	Ratio	961456.84	0.01	0.74	7157.44	0.74		-	-	-	Fitted	-	-	0.97
Y 371.029	Y-R		0.93	0.93	Ratio	218126.15	0.01	0.98	2144.19	0.98		-	-	-	Fitted	-	-	0.92

ENTHALPY CONTINUING CALIBRATION FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023414	File:	icp data	Time:	18-APR-2023 18:22
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18219

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	-29710	10032	1.000	1.046	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	934693	-4.61
Yttrium	R	233994	211011	-9.82

Instrument ID: MET09

Label:	CCV,S18219	Rack:Tube:	S1:10	Type:	QC
Date Time:	4/18/2023 6:22:10 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]	Concentration Replicate 1
Ag 328.068	Ag	S	0.49889160	0.49889160	mg/L	46635.34151851	0.00137449	0.27550779	126.97793294	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.49742358
Al 396.152	Al	S	1.06640134	1.06640134	mg/L	47731.23390922	0.00860105	0.80654879	373.81693370	0.78	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.05690461
As 188.980	As	S	1.07653254	1.07653254	mg/L	5428.56940332	0.00538247	0.49998228	26.95675341	0.50	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.07035454
B 249.678	B	S	1.03118444	1.03118444	mg/L	47857.37215954	0.01796118	1.74180120	795.13134345	1.66	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	1.01091388
Ba 230.424	Ba	S	1.08656098	1.08656098	mg/L	120862.75565478	0.01199577	1.10401225	1330.91289041	1.10	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.07354389
Be 313.107	Be	S	1.14462700	1.14462700	mg/L	2886339.64231182	0.00791470	0.69146562	19955.94112062	0.69	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.13604279
Ca 317.933	Ca-R	S	54.31225260	54.31225260	mg/L	803758.42186380	0.07048540	0.12977808	1040.46973070	0.13	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	54.29839521
Cd 214.439	Cd	S	1.11963180	1.11963180	mg/L	252143.00294678	0.01348288	1.20422479	3036.26925775	1.20	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.10480928
Co 230.786	Co	S	1.05336123	1.05336123	mg/L	50999.78823934	0.00993721	0.94338138	480.89639057	0.94	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	1.04291085
Cr 267.716	Cr	S	1.06298054	1.06298054	mg/L	78674.15823899	0.00797328	0.75008680	590.46099112	0.75	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.05411447
Cu 324.754	Cu	S	1.06841218	1.06841218	mg/L	50642.64740036	0.00461590	0.43203383	215.45570670	0.43	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.06348371
Fe 259.940	Fe	S	1.03014819	1.03014819	mg/L	73105.71296552	0.00615790	0.59776791	422.94095975	0.58		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	1.02351293
K 766.491	K-R	S	60.97838293	60.97838293	mg/L	98643.34035618	0.10413433	0.17077253	168.55012189	0.17	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	61.05941398
Li 670.783	Li-R	S	1.05661256	1.05661256	mg/L	121757.53015020	0.00261580	0.24756496	302.12376852	0.25	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.05612395
Mg 279.800	Mg-R	S	54.70731557	54.70731557	mg/L	140704.89182229	0.11540745	0.21095432	296.81362792	0.21	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	54.83721887
Mn 257.610	Mn	S	1.07383559	1.07383559	mg/L	531455.61767079	0.00706341	0.65777361	3491.26606119	0.66	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.06639969
Mo 204.598	Mo	S	1.09811478	1.09811478	mg/L	14322.46683005	0.01507555	1.37285749	196.31689141	1.37	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.08105301
Na 589.592	Na-R	S	52.85326307	52.85326307	mg/L	583625.14763937	0.04455121	0.08429226	486.31832139	0.08	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	52.81553535
Ni 231.604	Ni	S	1.05799373	1.05799373	mg/L	28175.22202444	0.00446577	0.42209771	118.59411325	0.42	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.05341687
P 177.434	P	S	6.18361901	6.18361901	mg/L	4419.36817163	0.02618614	0.42347593	18.68931269	0.42		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	6.16715637
Pb 220.353	Pb	S	1.04598007	1.04598007	mg/L	10032.37318844	0.00517134	0.49440184	52.37787317	0.52	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.04008861
S 181.972	S	S	5.67596134	5.67596134	mg/L	10759.45840564	0.01076769	0.18970697	19.94671641	0.19		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	5.66360114
Sb 206.834	Sb	S	1.08599791	1.08599791	mg/L	5300.22790069	0.00943321	0.86862142	46.51470507	0.88	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	1.07533930
Se 196.026	Se	S	1.05091133	1.05091133	mg/L	4930.33277473	0.01064900	1.01331087	49.80418304	1.01	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	1.04009152
Si 251.611	Si	S	5.53324805	5.53324805	mg/L	58227.51204385	0.08485382	1.53352647	800.37546476	1.37		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.44653388
Sn 189.925	Sn	S	5.38045116	5.38045116	mg/L	72728.01227951	0.06422468	1.19366718	867.85660558	1.19	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.557905296985	13512.8211339398	5.30978508
Sr 421.552	Sr-R	S	1.14754808	1.14754808	mg/L	535159.77712966	0.00178596	0.15563263	832.07619904	0.16	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	1.14611298
Ti 334.941	Ti	S	1.17633647	1.17633647	mg/L	423734.46521259	0.00642354	0.54606337	2310.68657451	0.55	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.16901028
Tl 190.794	Tl	S	1.04939496	1.04939496	mg/L	4518.05906907	0.00977385	0.93137929	42.11562655	0.93	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	1.03834809
V 292.401	V	S	1.07359053	1.07359053	mg/L	45737.88175743	0.00781387	0.72782609	333.06965700	0.73	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	1.06536205
Zn 206.200	Zn	S	1.10402796	1.10402796	mg/L	75433.09995061	0.01295173	1.17313391	883.86700227	1.17	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.09047643
Y 371.029	Y		0.95	0.95	Ratio	934693.46	0.01	0.58	5424.68	0.58		-	-	-	Fitted	-	-	0.95
Y 371.029	Y-R		0.90	0.90	Ratio	211011.21	0.00	0.36	763.38	0.36		-	-	-	Fitted	-	-	0.90

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023415	File:	icp data	Time:	18-APR-2023 18:25
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	967338	-1.28
Yttrium	R	233994	220419	-5.80

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:11 | Type: QC

Date Time: 4/18/2023 6:25:24 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]	Concentration Replicate 1	Conc Repl
Ag 328.068	Ag	u	-0.00054461	-0.00054461	mg/L	495.14604728	0.00043816	80.45239412	40.47773171	8.17		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	-0.00103077	-0.0
Al 396.152	Al	u	-0.00165576	-0.00165576	mg/L	1306.04501941	0.00026273	15.86782309	11.41883271	0.87	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	-0.00164815	-0.0
As 188.980	As		0.00228785	0.00228785	mg/L	51.97459829	0.00031588	13.80686775	1.58200428	3.04	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00260131	0.00
B 249.678	B	u	-0.00068661	-0.00068661	mg/L	2231.83554079	0.00050813	74.00486020	22.49447307	1.01	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	-0.00010477	-0.0
Ba 230.424	Ba		0.00031953	0.00031953	mg/L	339.45059265	0.00005341	16.71500055	5.92571063	1.75	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00035071	0.00
Be 313.107	Be	u	-0.00003264	-0.00003264	mg/L	256.73071315	0.00000481	14.72754023	12.12053528	4.72	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	-0.00003348	-0.0
Ca 317.933	Ca-R		0.00661911	0.00661911	mg/L	2108.96725488	0.00112839	17.04745151	16.65671087	0.79	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.00770124	0.00
Cd 214.439	Cd		0.00009666	0.00009666	mg/L	24.78479035	0.00001883	19.48427765	4.24103562	17.11	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00011681	0.00
Co 230.786	Co		0.00090174	0.00090174	mg/L	63.19577978	0.00020225	22.42930038	9.78777333	15.49	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00071429	0.00
Cr 267.716	Cr	u	0.00006133	0.00006133	mg/L	-47.40656554	0.00019758	322.15862761	14.63143344	30.86	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.00022923	0.00
Cu 324.754	Cu		0.00249182	0.00249182	mg/L	842.01436267	0.00034021	13.65322182	15.88010339	1.89	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00281379	0.00
Fe 259.940	Fe		0.00094207	0.00094207	mg/L	219.66277703	0.00022846	24.25112800	15.69150969	7.14		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.00116748	0.00
K 766.491	K-R		0.10549825	0.10549825	mg/L	95.78053167	0.02748355	26.05119228	44.48443105	46.44	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.12106155	0.07
Li 670.783	Li-R	Z	0.00896709	0.00896709	mg/L	372.33627614	0.00052241	5.82580521	60.33752273	16.21	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00843636	0.00
Mg 279.800	Mg-R		0.02142514	0.02142514	mg/L	60.05754602	0.00401023	18.71741550	10.31381984	17.17	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.02323236	0.0
Mn 257.610	Mn	u	-0.00000458	-0.00000458	mg/L	564.83543534	0.00002712	592.58848446	13.40334473	2.37	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	-0.00001298	-0.0
Mo 204.598	Mo		0.00102916	0.00102916	mg/L	32.98281644	0.00050776	49.33784975	6.61220965	20.05	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00161099	0.00
Na 589.592	Na-R	u	-0.05924213	-0.05924213	mg/L	537.55033962	0.00725472	12.24587606	79.19205886	14.73	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	-0.05164423	-0.0
Ni 231.604	Ni		0.00047359	0.00047359	mg/L	90.95757849	0.00024800	52.36561925	6.58593914	7.24	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00044567	0.00
P 177.434	P	u	-0.00189413	-0.00189413	mg/L	5.43992360	0.00333519	176.07996564	2.38035971	43.76		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	-0.00302028	0.00
Pb 220.353	Pb	u	0.00085627	0.00085627	mg/L	-567.16707504	0.00239301	279.46857966	24.23758202	4.27	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	-0.00078567	-0.0
S 181.972	S	u	-0.05098939	-0.05098939	mg/L	152.65141912	0.00274836	5.39007081	5.09123287	3.34		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	-0.05005114	-0.0
Sb 206.834	Sb		0.00408423	0.00408423	mg/L	-38.24034980	0.00147901	36.21274016	7.29293438	19.07	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.00451466	0.00
Se 196.026	Se		0.00381545	0.00381545	mg/L	32.56397623	0.00169040	44.30413766	7.90581353	24.28	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.00516729	0.00
Si 251.611	Si		0.00878830	0.00878830	mg/L	6122.68287075	0.00073471	8.36013580	6.93012027	0.11		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.00957812	0.00
Sn 189.925	Sn		0.00198372	0.00198372	mg/L	47.36327935	0.00049932	25.17071689	6.74716988	14.25	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00187097	0.00
Sr 421.552	Sr-R	u	-0.00005530	-0.00005530	mg/L	99.67059138	0.00000628	11.36310170	2.92753251	2.94	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	-0.00005911	-0.0
Ti 334.941	Ti		0.00035113	0.00035113	mg/L	768.67221677	0.00011039	31.43695838	39.70799955	5.17	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00023554	0.00
Tl 190.794	Tl		0.00200788	0.00200788	mg/L	4.97339677	0.00089087	44.36866128	3.83877011	77.19	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00202261	0.00
V 292.401	V	u	0.00000601	0.00000601	mg/L	-30.32818938	0.00013547	2255.28187014	5.77464693	19.04	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	0.00012843	-0.0
Zn 206.200	Zn		0.00185612	0.00185612	mg/L	207.70372368	0.00011151	6.00755035	7.60961555	3.66	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.00198110	0.00
Y 371.029	Y		0.99	0.99	Ratio	967337.69	0.01	0.72	6954.68	0.72		-	-	-	Fitted	-	-	0.98	0.99
Y 371.029	Y-R		0.94	0.94	Ratio	220418.80	0.00	0.28	623.61	0.28		-	-	-	Fitted	-	-	0.94	0.94

ENTHALPY CONTINUING CALIBRATION FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023426	File:	icp data	Time:	18-APR-2023 19:01
Cal:	673155023001	Caldate:	17-APR-2023		

Standards: S18219

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	-29710	9884.3	1.000	1.031	mg/L	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	927994	-5.30
Yttrium	R	233994	208846	-10.75

Instrument ID: MET09

Label:	CCV,S18219	Rack:Tube:	S1:10	Type:	QC
Date Time:	4/18/2023 7:01:11 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]	Concentration Replicate 1
Ag 328.068	Ag	S	0.49189422	0.49189422	mg/L	45988.89606922	0.00901823	1.83336831	833.12393454	1.81		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.48153983
Al 396.152	Al	S	1.05156806	1.05156806	mg/L	47086.57221990	0.02446628	2.32664769	1063.34857739	2.26	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	1.02398666
As 188.980	As	S	1.06159140	1.06159140	mg/L	5353.73644288	0.01905220	1.79468277	95.41812862	1.78	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	1.03983513
B 249.678	B	S	1.01852156	1.01852156	mg/L	47296.72587985	0.03306654	3.24652320	1463.83684636	3.10	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	0.98107151
Ba 230.424	Ba	S	1.06587310	1.06587310	mg/L	118567.47247249	0.02326447	2.18266803	2581.15938942	2.18	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	1.03931874
Be 313.107	Be	S	1.12829075	1.12829075	mg/L	2845149.76839251	0.02161184	1.91544927	54491.56967819	1.92	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	1.10445460
Ca 317.933	Ca-R	S	54.46458023	54.46458023	mg/L	806007.03264317	0.07761181	0.14249960	1145.66622032	0.14	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	54.37573921
Cd 214.439	Cd	S	1.10051525	1.10051525	mg/L	247838.09007856	0.02303025	2.09267852	5186.28138861	2.09	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	1.07586599
Co 230.786	Co	S	1.03589779	1.03589779	mg/L	50154.67346806	0.02306903	2.22695983	1116.39060548	2.23	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	1.00932705
Cr 267.716	Cr	S	1.04705932	1.04705932	mg/L	77495.11998033	0.02352189	2.24647190	1741.91376390	2.25	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	1.02087886
Cu 324.754	Cu	S	1.05284075	1.05284075	mg/L	49915.85552055	0.02130375	2.02345452	994.39182911	1.99	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	1.02838993
Fe 259.940	Fe	S	1.01350524	1.01350524	mg/L	71963.90833234	0.02235580	2.20579073	1535.45731654	2.13		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.98794642
K 766.491	K-R	S	60.96634655	60.96634655	mg/L	98623.87474461	0.16797571	0.27552203	271.88275142	0.28	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	60.78481590
Li 670.783	Li-R	S	1.05513879	1.05513879	mg/L	121587.65817883	0.00373584	0.35406160	431.48764816	0.35	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	1.05084493
Mg 279.800	Mg-R	S	54.72073885	54.72073885	mg/L	140739.42172926	0.01500210	0.02741575	38.58354026	0.03	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	54.70731099
Mn 257.610	Mn	S	1.06249241	1.06249241	mg/L	525849.04012188	0.02245025	2.11298014	11096.60063320	2.11	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	1.03656984
Mo 204.598	Mo	S	1.07984431	1.07984431	mg/L	14084.54823620	0.02884589	2.67130056	375.63700625	2.67	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	1.04754755
Na 589.592	Na-R	S	52.81700574	52.81700574	mg/L	583215.05668197	0.16915600	0.32026806	1846.49661024	0.32	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	52.63419707
Ni 231.604	Ni	S	1.04199016	1.04199016	mg/L	27750.21717058	0.02076496	1.99281690	551.43973537	1.99	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	1.01854354
P 177.434	P	S	6.25139271	6.25139271	mg/L	4467.73847796	0.11968116	1.91447196	85.41765929	1.91		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	6.12011662
Pb 220.353	Pb	S	1.03136018	1.03136018	mg/L	9884.31335901	0.01943095	1.88401233	196.80606120	1.99	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	1.01006726
S 181.972	S	S	5.63078464	5.63078464	mg/L	10675.76868365	0.09489821	1.68534615	175.79507977	1.65		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	5.52585952
Sb 206.834	Sb	S	1.06597546	1.06597546	mg/L	5201.50561353	0.02773202	2.60156276	136.74525335	2.63	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	1.03447071
Se 196.026	Se	S	1.03466202	1.03466202	mg/L	4854.33489361	0.02421186	2.34007426	113.23617477	2.33	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	1.00721875
Si 251.611	Si	S	5.46260665	5.46260665	mg/L	57561.18750927	0.15891297	2.90910509	1498.93116502	2.60		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	5.28844196
Sn 189.925	Sn	S	5.27313438	5.27313438	mg/L	71277.86194581	0.10693342	2.02789098	1444.97212671	2.03	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.557905296985	13512.8211339398	5.15174257
Sr 421.552	Sr-R	S	1.14457788	1.14457788	mg/L	533776.57124220	0.00416532	0.36391748	1940.61692643	0.36	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	1.14738173
Ti 334.941	Ti	S	1.16697692	1.16697692	mg/L	420367.55929321	0.02795726	2.39569982	10056.82985456	2.39	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	1.13698765
Tl 190.794	Tl	S	1.03461592	1.03461592	mg/L	4454.37570606	0.02335006	2.25688190	100.61569004	2.26	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	1.00939473
V 292.401	V	S	1.05584195	1.05584195	mg/L	44981.33603020	0.02305808	2.18385679	982.86041777	2.19	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	1.02993121
Zn 206.200	Zn	S	1.08430632	1.08430632	mg/L	74087.25165954	0.02265998	2.08981345	1546.38906448	2.09	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	1.06106519
Y 371.029	Y		0.95	0.95	Ratio	927993.85	0.01	0.77	7130.01	0.77		-	-	-	Fitted	-	-	0.94
Y 371.029	Y-R		0.89	0.89	Ratio	208845.98	0.00	0.22	463.76	0.22		-	-	-	Fitted	-	-	0.89

ENTHALPY INSTRUMENT BLANK FOR 483449 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673155023427	File:	icp data	Time:	18-APR-2023 19:04
Cal:	673155023001	Caldate:	17-APR-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	979893	964298	-1.59
Yttrium	R	233994	219143	-6.35

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:11 | **Type:** QC
Date Time: 4/18/2023 7:04:26 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]	Concentration Replicate 1	C R
Ag 328.068	Ag	u	-0.00049073	-0.00049073	mg/L	500.12019493	0.00151787	309.31000083	140.22447234	28.04		Y (371.029 nm)	Linear	1.00000	Fitted	545.459165086417	92382.1734889058	0.00069826	-(
Al 396.152	Al	u	0.00037520	0.00037520	mg/L	1394.31195389	0.00050904	135.66923524	22.12361377	1.59	46.59149017	Y (371.029 nm)	Linear	0.99982	Fitted	1378.00749537788	43461.7934415317	0.00072152	0
As 188.980	As		0.00159642	0.00159642	mg/L	48.51185073	0.00144208	90.33203753	7.22227968	14.89	32.61214723	Y (371.029 nm)	Linear	0.99996	Fitted	40.5158486056401	5008.2478275394	0.00301856	0
B 249.678	B	u	-0.00087297	-0.00087297	mg/L	2223.57460285	0.00028976	33.19225285	12.82750145	0.58	6.94055765	Y (371.029 nm)	Linear	0.99994	Fitted	2262.22461830289	44269.4307159095	-0.00060721	-(
Ba 230.424	Ba		0.00023939	0.00023939	mg/L	330.56507648	0.00002897	12.10031516	3.21383116	0.97	6.02108937	Y (371.029 nm)	Linear	0.99998	Fitted	303.99144751261	110948.550652572	0.00023414	0
Be 313.107	Be	u	-0.00001146	-0.00001146	mg/L	310.13435997	0.00002095	182.84695539	52.82063678	17.03	10.27756964	Y (371.029 nm)	Linear	0.99997	Fitted	339.030390645833	2521376.14174957	0.00001211	-(
Ca 317.933	Ca-R		0.00741278	0.00741278	mg/L	2120.69198517	0.00140522	18.95675266	20.74319337	0.98	4.43067431	Y-R (371.029 nm)	Linear	0.99999	Fitted	2011.2543527765	14761.4933785045	0.00815619	0
Cd 214.439	Cd		0.00006788	0.00006788	mg/L	18.31166874	0.00003137	46.20726868	7.06365478	38.57	9.24727902	Y (371.029 nm)	Linear	0.99992	Fitted	3.01921848375673	225194.352749814	0.00010360	0
Co 230.786	Co		0.00104045	0.00104045	mg/L	69.90915925	0.00035001	33.64038256	16.93821403	24.23	10.39782614	Y (371.029 nm)	Linear	0.99998	Fitted	19.5570868364216	48393.4835587849	0.00081114	0
Cr 267.716	Cr		0.00006607	0.00006607	mg/L	-47.05357120	0.00001459	22.08766022	1.08070962	2.30	5.29421324	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-51.9488670563719	74054.9980199966	0.00008264	0
Cu 324.754	Cu		0.00266298	0.00266298	mg/L	850.00910044	0.00038371	14.40921072	17.91059404	2.11	12.02447341	Y (371.029 nm)	Linear	0.99983	Fitted	725.704579920664	46676.8363728796	0.00303509	0
Fe 259.940	Fe		0.00238640	0.00238640	mg/L	319.07630956	0.00020183	8.45741783	13.86208740	4.34		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	154.922793917246	68682.7133535558	0.00257530	0
K 766.491	K-R		0.10889234	0.10889234	mg/L	101.27623959	0.00526704	4.83692248	8.52514211	8.42	61.05438582	Y-R (371.029 nm)	Linear	0.99989	Fitted	-74.9761411761654	1618.58369695887	0.10970982	0
Li 670.783	Li-R	Z	0.00945666	0.00945666	mg/L	428.94087889	0.00051638	5.46047300	59.64143589	13.90	82.20618506	Y-R (371.029 nm)	Linear	0.99992	FACT	-663.342499741619	115499.459033331	0.00947169	0
Mg 279.800	Mg-R		0.01824597	0.01824597	mg/L	51.88295760	0.00352369	19.31217643	9.06250458	17.47	20.45677799	Y-R (371.029 nm)	Linear	0.99999	Fitted	4.95468902301718	2571.8759011109	0.02035109	0
Mn 257.610	Mn		0.00004751	0.00004751	mg/L	590.58311156	0.00001113	23.43086245	5.50170639	0.93	2.79816270	Y (371.029 nm)	Linear	0.99992	Fitted	567.099139201954	494275.069477823	0.00005328	0
Mo 204.598	Mo		0.00162739	0.00162739	mg/L	40.77430186	0.00051954	31.92481763	6.76555208	16.59	9.10662962	Y (371.029 nm)	Linear	0.99996	Fitted	19.5799634369389	13022.203357762	0.00222667	0
Na 589.592	Na-R	u	-0.06992714	-0.06992714	mg/L	423.85718014	0.00533966	7.63602695	58.28735535	13.75	14.39440979	Y-R (371.029 nm)	Linear	0.99997	Fitted	1186.73586658759	10915.9393540207	-0.06460775	-(
Ni 231.604	Ni		0.00060292	0.00060292	mg/L	94.39260793	0.00053472	88.68713979	14.20006549	15.04	11.15044320	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	78.3815101256878	26556.2679201427	0.00019232	0
P 177.434	P	u	0.00105683	0.00105683	mg/L	7.54598107	0.00671904	635.77392139	4.79545019	63.55		Y (371.029 nm)	Linear	1.00000	Fitted	6.79180428651343	713.71015310468	-0.00290376	-(
Pb 220.353	Pb		0.00090347	0.00090347	mg/L	-566.70407873	0.00056865	62.94059823	5.75954404	1.02	8.01057938	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-575.813569107522	10128.4822164375	0.00025080	0
S 181.972	S	u	-0.04733750	-0.04733750	mg/L	159.41625069	0.00220822	4.66484013	4.09063512	2.57		Y (371.029 nm)	Linear	1.00000	Fitted	247.106052230937	1852.45934819716	-0.04484533	-(
Sb 206.834	Sb		0.00321210	0.00321210	mg/L	-42.53999051	0.00188979	58.83330069	9.31844401	21.91	6.24151868	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-58.3787174854452	4930.95164391747	0.00488523	0
Se 196.026	Se		0.00308227	0.00308227	mg/L	29.13471719	0.00224922	72.97275682	10.51933365	36.11	9.42609039	Y (371.029 nm)	Linear	0.99997	Fitted	14.719642021219	4676.88877832524	0.00158843	0
Si 251.611	Si		0.00727308	0.00727308	mg/L	6108.38988612	0.00196183	26.97386722	18.50477872	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	6039.78731496683	9432.40305014166	0.00869205	0
Sn 189.925	Sn		0.00129879	0.00129879	mg/L	38.10801654	0.00040828	31.43586941	5.51707626	14.48	12.69072104	Y (371.029 nm)	Linear	0.99998	Fitted	20.5579057296985	13512.8211339398	0.00167210	0
Sr 421.552	Sr-R	u	-0.00003629	-0.00003629	mg/L	108.53715441	0.00002955	81.43838791	13.76762908	12.68	4.16125302	Y-R (371.029 nm)	Linear	0.99999	Fitted	125.500449213507	465898.758311396	-0.00000874	-(
Ti 334.941	Ti		0.00045971	0.00045971	mg/L	807.72865301	0.00026516	57.67823223	95.38201979	11.81	10.59584128	Y (371.029 nm)	Linear	0.99997	Fitted	642.355854261885	359721.533355836	0.00030291	0
Tl 190.794	Tl		0.00196093	0.00196093	mg/L	4.77116950	0.00154681	78.88109662	6.66520544	> 100.00	12.66496455	Y (371.029 nm)	Linear	0.99997	Fitted	-3.67851036856371	4309.01214335452	0.00182120	0
V 292.401	V	u	0.00018110	0.00018110	mg/L	-22.86644923	0.00039782	219.67092500	16.95742564	74.16	6.87341900	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-30.5849611776001	42625.4303843681	-0.00026660	0
Zn 206.200	Zn		0.00220615	0.00220615	mg/L	231.59707680	0.00007001	3.17344485	4.77776021	2.06	3.99960827	Y (371.029 nm)	Linear	0.99989	Fitted	81.0324930883346	68243.1806241368	0.00223188	0
Y 371.029	Y		0.98	0.98	Ratio	964298.13	0.01	0.80	7678.21	0.80		-	-	-	Fitted	-	-	0.98	0
Y 371.029	Y-R		0.94	0.94	Ratio	219143.38	0.00	0.21	455.72	0.21		-	-	-	Fitted	-	-	0.94	0

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

enthalpy.com

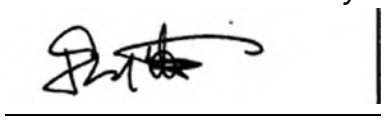
Lab Job Number: 483492
Report Level: II
Report Date: 04/25/2023

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 #:	483492
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-P-LA	483492-001	04/14/23 10:35	Wipe
AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-L-LA	483492-002	04/14/23 10:35	Wipe
AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-P-I	483492-003	04/14/23 13:30	Wipe
AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-L-I	483492-004	04/14/23 13:30	Wipe
AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-P-LA	483492-005	04/14/23 14:30	Wipe
AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-L-LA	483492-006	04/14/23 14:30	Wipe
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-P-FB	483492-007	04/14/23 13:10	Wipe
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-FB	483492-008	04/14/23 13:10	Wipe
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-DUP-FB	483492-009	04/14/23 13:10	Wipe
AFRAME-C4E-MED-L2-INT-1 TO 2-230414-P-FB	483492-010	04/14/23 13:00	Wipe
AFRAME-C4E-MED-L2-INT-1 TO 2-230414-L-FB	483492-011	04/14/23 13:00	Wipe
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-LA	483492-012	04/14/23 13:55	Wipe
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-DUP-LA	483492-013	04/14/23 13:55	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	483492
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-L-LA	483492-014	04/14/23 13:55	Wipe
AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-P-WF	483492-015	04/14/23 14:50	Wipe
AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-L-WF	483492-016	04/14/23 14:50	Wipe
AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-P-LA	483492-017	04/14/23 14:40	Wipe
AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-L-LA	483492-018	04/14/23 14:40	Wipe
AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-P-LA	483492-019	04/14/23 15:45	Wipe
AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-L-LA	483492-020	04/14/23 15:45	Wipe
AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-P-FB	483492-021	04/14/23 16:00	Wipe
AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-L-FB	483492-022	04/14/23 16:00	Wipe
AFRAME-C3E-MED-L1-HS-3-230414-P-G	483492-023	04/14/23 15:50	Wipe
AFRAME-C3E-MED-L1-HS-3-230414-L-G	483492-024	04/14/23 15:50	Wipe
AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-P-I	483492-025	04/14/23 15:10	Wipe
AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-L-I	483492-026	04/14/23 15:10	Wipe
AFRAME-C5E-MED-L1-HS-3-230414-P-A	483492-027	04/14/23 15:00	Wipe
AFRAME-C5E-MED-L1-HS-3-230414-L-A	483492-028	04/14/23 15:00	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	483492
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C4E-LAT-L1-HS-3-230414-P-A	483492-029	04/14/23 15:30	Wipe
AFRAME-C4E-LAT-L1-HS-3-230414-P-DUP-A	483492-030	04/14/23 15:30	Wipe
AFRAME-C4E-LAT-L1-HS-3-230414-L-A	483492-031	04/14/23 15:30	Wipe
AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-P-I	483492-032	04/14/23 13:10	Wipe
AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-L-I	483492-033	04/14/23 13:10	Wipe
AFRAME-C3E-LAT-L1-HS-3-230414-P-A	483492-034	04/14/23 12:55	Wipe
AFRAME-C3E-LAT-L1-HS-3-230414-L-A	483492-035	04/14/23 12:55	Wipe
AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-P-SS	483492-036	04/14/23 13:25	Wipe
AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-L-SS	483492-037	04/14/23 13:25	Wipe
AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-P-SS	483492-038	04/14/23 13:30	Wipe
AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-L-SS	483492-039	04/14/23 13:30	Wipe
AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-P-LA	483492-040	04/14/23 13:40	Wipe
AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-L-LA	483492-041	04/14/23 13:40	Wipe
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-P-WF	483492-042	04/14/23 13:50	Wipe
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-WF	483492-043	04/14/23 13:50	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	483492
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-DUP-WF	483492-044	04/14/23 13:50	Wipe
AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-P-FB	483492-045	04/14/23 14:10	Wipe
AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-L-FB	483492-046	04/14/23 14:10	Wipe
AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-P-LA	483492-047	04/14/23 14:20	Wipe
AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-L-LA	483492-048	04/14/23 14:20	Wipe
AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-P-WF	483492-049	04/14/23 14:30	Wipe
AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-L-WF	483492-050	04/14/23 14:30	Wipe
AFRAME-C5E-MED-L1-DN-C5E-DG-230414-P-SS	483492-051	04/14/23 15:30	Wipe
AFRAME-C5E-MED-L1-DN-C5E-DG-230414-L-SS	483492-052	04/14/23 15:30	Wipe
AFRAME-C5E-MED-L1-INT-0 TO 1-230414-P-FB	483492-053	04/14/23 15:15	Wipe
AFRAME-C5E-MED-L1-INT-0 TO 1-230414-L-FB	483492-054	04/14/23 15:15	Wipe
AFRAME-C3E-MED-L1-DN-C3E-DG-230414-P-SS	483492-055	04/14/23 15:10	Wipe
AFRAME-C3E-MED-L1-DN-C3E-DG-230414-L-SS	483492-056	04/14/23 15:10	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	483492
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/17/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-P-CB	483492-057	04/14/23 14:45	Wipe
AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-L-CB	483492-058	04/14/23 14:45	Wipe
AFRAME-C3E-MED-L1-INT-0 TO 1-230414-P-FB	483492-059	04/14/23 15:00	Wipe
AFRAME-C3E-MED-L1-INT-0 TO 1-230414-L-FB	483492-060	04/14/23 15:00	Wipe
230414-P-MEDBLANK1	483492-061	04/14/23 09:35	Wipe
230414-L-MEDBLANK1	483492-062	04/14/23 09:35	Wipe
230414-P-MEDBLANK2	483492-063	04/14/23 12:50	Wipe
230414-L-MEDBLANK2	483492-064	04/14/23 12:50	Wipe
AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-L-LA	483492-065	04/14/23 14:10	Wipe
AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-P-LA	483492-066	04/14/23 14:10	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 483492 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 04/17/23

This data package contains sample and QC results for sixty six wipe samples, requested for the above referenced project on 04/18/23. The samples were received cold and intact.

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

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

483492

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA	4/14/2023		WP	1	–	X		
2	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA	4/14/2023		WP	1	–		X	
3	AFRAME-C5E-LAT-L3-DN-C5.7-DG-230414-P-LA	4/14/2023	1035	WP	1	–	X		
4	AFRAME-C5E-LAT-L3-DN-C5.7-DG-230414-L-LA	4/14/2023	1035	WP	1	–		X	
5	AFRAME-C5E-LAT-L2-DN-C5.7-VS-230414-P-I	4/14/2023	1330	WP	1	–	X		
6	AFRAME-C5E-LAT-L2-DN-C5.7-VS-230414-L-I	4/14/2023	1330	WP	1	–		X	
7	AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-P-LA	4/14/2023	1430	WP	1	–	X		
8	AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-L-LA	4/14/2023	1430	WP	1	–		X	
9	AFRAME-C5E-LAT-L2-INT-FB-TO-230414-P-FB	4/14/2023	1310	WP	1	–	X		
10	AFRAME-C5E-LAT-L2-INT-FB-TO-230414-L-FB	4/14/2023	1310	WP	1	–		X	
11	AFRAME-C5E-LAT-L2-INT-FB-TO-230414-L-DUP-FB	4/14/2023	1310	WP	1	–		X	
12	AFRAME-C4E-MED-L2-INT-FB-TO-230414-P-FB	4/14/2023	1300	WP	1	–	X		
13	AFRAME-C4E-MED-L2-INT-FB-TO-230414-L-FB	4/14/2023	1300	WP	1	–		X	
14	AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-LA	4/14/2023	1355	WP	1	–	X		
15	AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-DUP-LA	4/14/2023	1355	WP	1	–	X		

Analysis Request

Test Instructions / Comments

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	4/17/23 / 14:00
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/23 14:00
2 Relinquished By:	Audrey Hudson			4/17/23 17:08
2 Received By:		Mmcmill 4/17	FA	4/17/23 17:08
3 Relinquished By:		Mmcmill 4/17	FA	4/17/23 18:54
3 Received By:		FEDEX	EN	4/18/23 1151

483492

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-L- LA	4/14/2023	1355	WP	1	--		X		
17	AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-P- WF	4/14/2023	1450	WP	1	--	X			
18	AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-L- WF	4/14/2023	1450	WP	1	--		X		
19	AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-P- LA	4/14/2023	1440	WP	1	--	X			
20	AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-L- LA	4/14/2023	1440	WP	1	--		X		2x Rivet Type 2 = 0.0200 ft2
21	AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-P- LA	4/14/2023	1545	WP	1	--	X			
22	AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-L- LA	4/14/2023	1545	WP	1	--		X		2x Rivet Type 2 = 0.0200 ft2
23	AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-P-FB	4/14/2023	1600	WP	1	--	X			
24	AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-L-FB	4/14/2023	1600	WP	1	--		X		
25	AFRAME-C3E-MED-L1-HS-3-230414-P-G	4/14/2023	1550	WP	1	--	X			
26	AFRAME-C3E-MED-L1-HS-3-230414-L-G	4/14/2023	1550	WP	1	--		X		
27	AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-P- I	4/14/2023	1510	WP	1	--	X			
28	AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-L- I	4/14/2023	1510	WP	1	--		X		
29	AFRAME-C5E-MED-L1-HS-3-230414-P- A	4/14/2023	1500	WP	1	--	X			
30	AFRAME-C5E-MED-L1-HS-3-230414-L- A	4/14/2023	1500	WP	1	--		X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TS Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	4/17/23 / 14:00
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/23 14:00
[2] Relinquished By:	Audrey Hudson	Maxwell Yip	BA	4/17/23 17:08
[2] Received By:		Maxwell Yip	BA	4/17/23 17:09
[3] Relinquished By:		FROM		4/17/23 18:54
[3] Received By:				4/18/23 1157

483492

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

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Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD	Test Instructions / Comments
31	AFRAME-C4E-LAT-L1-HS-3-230414-P-A	4/14/2023	MK ~~1455~~ 1530	WP	1	–	X										**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
32	AFRAME-C4E-LAT-L1-HS-3-230414-P-DUP-A	4/14/2023	~~1555~~ 1530	WP	1	–	X										Report PCB concentrations on a µg/100cm2 basis
33	AFRAME-C4E-LAT-L1-HS-3-230414-L-A	4/14/2023	1530	WP	1	–		X									Report lead concentrations on a µg/ft2 basis
34	AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-P- I	4/14/2023	1310	WP	1	–	X										Report Aroclor 1268 concentrations in addition to the standard Aroclors
35	AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-L- I	4/14/2023	1310	WP	1	–		X									Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)
36	AFRAME-C3E-LAT-L1-HS-3-230414-P-A	4/14/2023	1255	WP	1	–	X										
37	AFRAME-C3E-LAT-L1-HS-3-230414-L-A	4/14/2023	1250	WP	1	–		X									
38	AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-P- SS	4/14/2023	1325	WP	1	–	X										
39	AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-L- SS	4/14/2023	1325	WP	1	–		X									
40	AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-P- SS	4/14/2023	1330	WP	1	–	X										
41	AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-L- SS	4/14/2023	1330	WP	1	–		X									
42	AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-P- LA	4/14/2023	1340	WP	1	–	X										
43	AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-L- LA	4/14/2023	1340	WP	1	–		X									Ex Rivet Type 2 = 0.0500ft2
44	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-P- WF	4/14/2023	1350	WP	1	–	X										
45	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L- WF	4/14/2023	1350	WP	1	–		X									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	4/17/23 / 14:00
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/23 / 14:00
[2] Relinquished By:	Audrey Hudson	"	"	4/14/23 17:08
[2] Received By:		Marcus Li	RB	4/17/23 1708
[3] Relinquished By:		Marcus Li	EH	4/17/23 1854
[3] Received By:		Marcus Li	EM	4/18/23 1151

483492

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 4 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
46	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-DUP-WF	4/14/2023	1350	WP	1	–		X		
47	AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-P-FB	4/14/2023	1410	WP	1	–	X			
48	AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-L-FB	4/14/2023	1410	WP	1	–		X		
49	AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-P-LA	4/14/2023	1420	WP	1	–	X			
50	AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-L-LA	4/14/2023	1420	WP	1	–		X		2x Rivet Type 2 = 0.0200ft2
51	AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-P-WF	4/14/2023	1420	WP	1	–	X			
52	AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-L-WF	4/14/2023	1420	WP	1	–		X		
53	AFRAME-C5E-MED-L1-DN-C5E-DG-230414-P-SS	4/14/2023	1530	WP	1	–	X			
54	AFRAME-C5E-MED-L1-DN-C5E-DG-230414-L-SS	4/14/2023	1530	WP	1	–		X		
55	AFRAME-C5E-MED-L1-INT-0 TO 1-230414-P-FB	4/14/2023	1515	WP	1	–	X			
56	AFRAME-C5E-MED-L1-INT-0 TO 1-230414-L-FB	4/14/2023	1515	WP	1	–		X		
57	AFRAME-C3E-MED-L1-DN-C3E-DG-230414-P-SS	4/14/2023	1510	WP	1	–	X			
58	AFRAME-C3E-MED-L1-DN-C3E-DG-230414-L-SS	4/14/2023	1510	WP	1	–		X		
59	AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-P-CB	4/14/2023	1445	WP	1	–	X			
60	AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-L-CB	4/14/2023	1445	WP	1	–		X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	4/17/23 14:00
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/17/23 14:00
[2] Relinquished By:	Audrey Hudson			4/17/23 17:08
[2] Received By:		Maxwell Y. Kim		4/17/23 1708
[3] Relinquished By:		Maxwell Y. Kim		4/17/23 1854
[3] Received By:		Poonam		4/18/23 1151

483492

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 5 of 5

Turn Around Time (rush by advanced notice only)

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

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

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

Test Instructions / Comments

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure A/B (High Occupancy)

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
61	AFRAME-C3E-MED-L1-INT-0 TO 1-230414-P- FB	4/14/2023	1500	WP	1	–	X			
62	AFRAME-C3E-MED-L1-INT-0 TO 1-230414-L- FB	4/14/2023	1500	WP	1	–		X		
63	230414-P-MEDBLANK1	4/14/2023	0935	WP	1	–	X			Collected from High Occupancy zone of Hangar 1
64	230414-L-MEDBLANK1	4/14/2023	0935	WP	1	–		X		Collected from High Occupancy zone of Hangar 1
65	230414-P-MEDBLANK2	4/14/2023	1250	WP	1	–	X			Collected from High Occupancy zone of Hangar 1
66	230414-L-MEDBLANK2	4/14/2023	1250	WP	1	–		X		Collected from High Occupancy zone of Hangar 1
67	AFrame-C3E-MED-L2-DW-C3.7-VS-	4/14/23	1410	WP	1	--		X		2x Rivet Type 2= 0.020sqft
68	230414-L-LA									TS
69	AFRAME-C3E-MED-L2-DW-C3.7-VS-	4/14/23	1410	WP	1		X			
70	230414-P-LA									TS
71										
72										
73										
74										
75										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	4/14/23 1410
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	4/14/23 1410
2 Relinquished By:	Audrey Hudson	"	"	4/14/23 1708
2 Received By:		Maryum Khan	EA	4/17/23 1708
3 Relinquished By:		Maryum Khan	EA	4/17/23 1854
3 Received By:		Fedex	ES	4/18/23 1151

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

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 483492 Client: Rincon

Date Received: 4-17 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

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

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

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

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

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

If in cooler: Date Opened 4-17 By (print) JL4 (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 1.0, #2: 1.5, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 4/19/23 **By (print)** AM (sign) _____

Date Labeled 4/17/23 **By (print)** MM, JTH, LEF (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: 4/18/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #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: ~~Southwest Airlines~~ FED EX

Section 3

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

Cooler Temp (°C): #1: 1.3 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: 4/18/23

ORIGIN ID: JEMA (510) 486-0900
JACOB HOHN
ENTHALPY ANALYTICAL
2323 5TH ST

BERKELEY, CA 94710
UNITED STATES US

SHIP DATE: 17APR23
ACTWGT: 40.50 LB
CAD: 111682977/INET4610

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W. BARKLEY AVENUE

ORANGE CA 92868
(714) 353-9032
INV:
PO:
REF: PAUL HENIGE
DEPT:

583J3/8CF/FE2D

FedEx Express

TUE - 18 APR 4:30P
STANDARD OVERNIGHT

TRK# 7718 7900 5282
0201

92 APVA

92868
SNA
CA-US

1.3/5.P

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-P-LA **Batch#:** 312060 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-001 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/19/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483492-001 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

483492-001 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	39	19-121

Field ID: AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-P-I **Batch#:** 312060 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-003 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/19/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483492-003 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

483492-003 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	40	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-P-LA **Batch#:** 312060 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-005 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/19/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483492-005 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

483492-005 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	40	19-121

Field ID: AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-P-FB **Batch#:** 312060 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-007 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/19/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483492-007 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

483492-007 Surrogate	%REC	Limits
TCMX (PCB)	39	19-121
Decachlorobiphenyl (PCB)	31	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C4E-MED-L2-INT-1 TO 2-230414-P-FB **Batch#:** 312060 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-010 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/19/23

DiIn Fac: 1.000 **Analyzed:** 04/19/23

483492-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-010 Surrogate	%REC	Limits
TCMX (PCB)	46	19-121
Decachlorobiphenyl (PCB)	37	19-121

Field ID: AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-LA **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-012 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-012 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-DUP-LA **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-013 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Diln Fac: 1.000 **Analyzed:** 04/20/23

483492-013 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

483492-013 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-P-WF **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-015 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Diln Fac: 1.000 **Analyzed:** 04/20/23

483492-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-015 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	55	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-P-LA **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-017 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-017 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	68	19-121

Field ID: AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-P-LA **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-019 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-019 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-P-FB **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-021 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Diln Fac: 1.000 **Analyzed:** 04/20/23

483492-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-021 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	65	19-121

Field ID: AFRAME-C3E-MED-L1-HS-3-230414-P-G **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-023 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Diln Fac: 1.000 **Analyzed:** 04/20/23

483492-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-023 Surrogate	%REC	Limits
TCMX (PCB)	78	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-P-I **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-025 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Dil Fac: 1.000 **Analyzed:** 04/20/23

483492-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-025 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	71	19-121

Field ID: AFRAME-C5E-MED-L1-HS-3-230414-P-A **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-027 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Dil Fac: 1.000 **Analyzed:** 04/20/23

483492-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-027 Surrogate	%REC	Limits
TCMX (PCB)	83	19-121
Decachlorobiphenyl (PCB)	73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C4E-LAT-L1-HS-3-230414-P-A **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-029 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-029 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	69	19-121

Field ID: AFRAME-C4E-LAT-L1-HS-3-230414-P-DUP-A **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-030 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-030 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-030 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	71	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-P-I **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-032 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Dil n Fac: 1.000 **Analyzed:** 04/20/23

483492-032 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-032 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	61	19-121

Field ID: AFRAME-C3E-LAT-L1-HS-3-230414-P-A **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-034 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Dil n Fac: 1.000 **Analyzed:** 04/20/23

483492-034 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

483492-034 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-P-SS **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-036 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-036 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

483492-036 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	65	19-121

Field ID: AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-P-SS **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-038 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-038 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

483492-038 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	70	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-P-LA **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-040 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-040 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

483492-040 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	73	19-121

Field ID: AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-P-WF **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-042 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-042 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

483492-042 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-P-FB **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-045 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-045 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-045 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	70	19-121

Field ID: AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-P-LA **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-047 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-047 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-047 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	71	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-P-WF **Batch#:** 312175 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-049 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/20/23

483492-049 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

483492-049 Surrogate	%REC	Limits
TCMX (PCB)	85	19-121
Decachlorobiphenyl (PCB)	76	19-121

Field ID: AFRAME-C5E-MED-L1-DN-C5E-DG-230414-P-SS **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-051 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/21/23

483492-051 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

483492-051 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-MED-L1-INT-0 TO 1-230414-P-FB **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-053 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/21/23

483492-053 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

483492-053 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	76	19-121

Field ID: AFRAME-C3E-MED-L1-DN-C3E-DG-230414-P-SS **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-055 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/21/23

483492-055 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

483492-055 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-P-CB **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-057 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/21/23

483492-057 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

483492-057 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	61	19-121

Field ID: AFRAME-C3E-MED-L1-INT-0 TO 1-230414-P-FB **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-059 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/21/23

483492-059 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

483492-059 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: 230414-P-MEDBLANK1 **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-061 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Dil n Fac: 1.000 **Analyzed:** 04/21/23

483492-061 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

483492-061 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	68	19-121

Field ID: 230414-P-MEDBLANK2 **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-063 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

Dil n Fac: 1.000 **Analyzed:** 04/21/23

483492-063 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

483492-063 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-P-LA **Batch#:** 312187 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 8082

Lab ID: 483492-066 **Received:** 04/17/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 04/20/23

DiIn Fac: 1.000 **Analyzed:** 04/21/23

483492-066 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

483492-066 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	71	19-121

Type: BLANK **Batch#:** 312060 **Analysis:** EPA 8082

Lab ID: QC1059508 **Prepared:** 04/19/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/19/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059508 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

QC1059508 Surrogate	%REC	Limits
TCMX (PCB)	53	19-121
Decachlorobiphenyl (PCB)	50	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 483492 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 312175 **Analysis:** EPA 8082
Lab ID: QC1059908 **Prepared:** 04/20/23 **Analyst:** TRN
Matrix: Wipe **Analyzed:** 04/20/23
DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059908 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

QC1059908 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	67	19-121

Type: BLANK **Batch#:** 312187 **Analysis:** EPA 8082
Lab ID: QC1059947 **Prepared:** 04/20/23 **Analyst:** TRN
Matrix: Wipe **Analyzed:** 04/21/23
DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059947 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

QC1059947 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	66	19-121

Legend
ND: Not Detected
RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 483492 **Project#:** 20-10491

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

Type: BS **Batch#:** 312060 **Analysis:** EPA 8082

Lab ID: QC1059509 **Prepared:** 04/19/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/19/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059509 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.773	75	60-140	ug/100 cm2
Aroclor-1260	5.000	3.554	71	60-140	ug/100 cm2

QC1059509 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	64	19-121

Type: BSD **Batch#:** 312060 **Analysis:** EPA 8082

Lab ID: QC1059510 **Prepared:** 04/19/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/19/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059510 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.733	75	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	3.620	72	60-140	ug/100 cm2	2	20

QC1059510 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	66	19-121

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 483492 **Project#:** 20-10491

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

Type: BS **Batch#:** 312175 **Analysis:** EPA 8082

Lab ID: QC1059909 **Prepared:** 04/20/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/20/23

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

QC1059909 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.215	84	60-140	ug/100 cm2
Aroclor-1260	5.000	3.870	77	60-140	ug/100 cm2

QC1059909 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	67	19-121

Type: BSD **Batch#:** 312175 **Analysis:** EPA 8082

Lab ID: QC1059910 **Prepared:** 04/20/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/20/23

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

QC1059910 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.934	79	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	3.672	73	60-140	ug/100 cm2	5	20

QC1059910 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	65	19-121

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 483492 **Project#:** 20-10491

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

Type: BS **Batch#:** 312187 **Analysis:** EPA 8082

Lab ID: QC1059948 **Prepared:** 04/20/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/21/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059948 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.705	74	60-140	ug/100 cm2
Aroclor-1260	5.000	3.802	76	60-140	ug/100 cm2

QC1059948 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	70	19-121

Type: BSD **Batch#:** 312187 **Analysis:** EPA 8082

Lab ID: QC1059949 **Prepared:** 04/20/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 04/21/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1059949 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.856	77	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	3.906	78	60-140	ug/100 cm2	3	20

QC1059949 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	74	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-L-LA **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-002 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/18/23

483492-002 Analyte	Result	RL	Units
Lead	**32**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-L-I **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-004 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/18/23

483492-004 Analyte	Result	RL	Units
Lead	**100**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-L-LA **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-006 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/18/23

483492-006 Analyte	Result	RL	Units
Lead	**89**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-FB **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-008 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/18/23

483492-008 Analyte	Result	RL	Units
Lead	**370**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-DUP-FB **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-009 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/18/23

483492-009 Analyte	Result	RL	Units
Lead	**140**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C4E-MED-L2-INT-1 TO 2-230414-L-FB **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-011 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-011 Analyte	Result	RL	Units
Lead	**150**	0.25	ug/ft2

Field ID: AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-L-LA **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-014 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-014 Analyte	Result	RL	Units
Lead	**93**	0.25	ug/ft2

Field ID: AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-L-WF **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-016 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-016 Analyte	Result	RL	Units
Lead	**410**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-L-LA **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-018 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-018 Analyte	Result	RL	Units
Lead	**250**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-L-LA **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-020 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-020 Analyte	Result	RL	Units
Lead	**110**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-L-FB **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-022 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-022 Analyte	Result	RL	Units
Lead	**28**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L1-HS-3-230414-L-G **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-024 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-024 Analyte	Result	RL	Units
Lead	**24**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-L-I **Batch#:** 311982 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-026 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-026 Analyte	Result	RL	Units
Lead	**160**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L1-HS-3-230414-L-A **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-028 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-028 Analyte	Result	RL	Units
Lead	**200**	0.25	ug/ft2

Field ID: AFRAME-C4E-LAT-L1-HS-3-230414-L-A **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-031 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-031 Analyte	Result	RL	Units
Lead	**110**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-L-I **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-033 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/18/23

483492-033 Analyte	Result	RL	Units
Lead	**39**	0.25	ug/ft2

Field ID: AFRAME-C3E-LAT-L1-HS-3-230414-L-A **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-035 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/19/23

483492-035 Analyte	Result	RL	Units
Lead	**14**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-L-SS **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-037 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/19/23

483492-037 Analyte	Result	RL	Units
Lead	**83**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-L-SS **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-039 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/19/23

483492-039 Analyte	Result	RL	Units
Lead	**49**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-L-LA **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-041 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dln Fac: 1.000 **Analyzed:** 04/19/23

483492-041 Analyte	Result	RL	Units
Lead	**78**	0.24	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-WF **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-043 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-043 Analyte	Result	RL	Units
Lead	**56**	0.25	ug/ft2

Field ID: AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-DUP-WF **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-044 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-044 Analyte	Result	RL	Units
Lead	**69**	0.25	ug/ft2

Field ID: AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-L-FB **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-046 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-046 Analyte	Result	RL	Units
Lead	**54**	0.25	ug/ft2

Field ID: AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-L-LA **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-048 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-048 Analyte	Result	RL	Units
Lead	**56**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-L-WF **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-050 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-050 Analyte	Result	RL	Units
Lead	**170**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: AFRAME-C5E-MED-L1-DN-C5E-DG-230414-L-SS **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-052 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-052 Analyte	Result	RL	Units
Lead	**47**	0.25	ug/ft2

Field ID: AFRAME-C5E-MED-L1-INT-0 TO 1-230414-L-FB **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-054 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-054 Analyte	Result	RL	Units
Lead	**86**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L1-DN-C3E-DG-230414-L-SS **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-056 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-056 Analyte	Result	RL	Units
Lead	**30**	0.25	ug/ft2

Field ID: AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-L-CB **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-058 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-058 Analyte	Result	RL	Units
Lead	**42**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L1-INT-0 TO 1-230414-L-FB **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-060 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Dil n Fac: 1.000 **Analyzed:** 04/19/23

483492-060 Analyte	Result	RL	Units
Lead	**86**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 483492 **Project#:** 20-10491

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

Field ID: 230414-L-MEDBLANK1 **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-062 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/19/23

483492-062 Analyte	Result	RL	Units
Lead	**2.2**	0.25	ug/ft2

Field ID: 230414-L-MEDBLANK2 **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-064 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/19/23

483492-064 Analyte	Result	RL	Units
Lead	**0.91**	0.25	ug/ft2

Field ID: AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-L-LA **Batch#:** 311983 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/14/23 **Analysis:** EPA 6010B
Lab ID: 483492-065 **Received:** 04/17/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/18/23
Diln Fac: 1.000 **Analyzed:** 04/19/23

483492-065 Analyte	Result	RL	Units
Lead	**140**	0.25	ug/ft2

Type: BLANK **Batch#:** 311982 **Analysis:** EPA 6010B
Lab ID: QC1059307 **Prepared:** 04/18/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/18/23
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1059307 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Type: BLANK **Batch#:** 311983 **Analysis:** EPA 6010B
Lab ID: QC1059310 **Prepared:** 04/18/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/18/23
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1059310 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 483492 **Project#:** 20-10491

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

Type: BS **Batch#:** 311982 **Analysis:** EPA 6010B
Lab ID: QC1059308 **Prepared:** 04/18/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/18/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1059308 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.84	110	80-120	ug/ft2

Type: BS **Batch#:** 311983 **Analysis:** EPA 6010B
Lab ID: QC1059311 **Prepared:** 04/18/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/18/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1059311 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.56	107	80-120	ug/ft2

Type: BSD **Batch#:** 311982 **Analysis:** EPA 6010B
Lab ID: QC1059309 **Prepared:** 04/18/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/18/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1059309 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.50	113	80-120	ug/ft2	3	20

Type: BSD **Batch#:** 311983 **Analysis:** EPA 6010B
Lab ID: QC1059312 **Prepared:** 04/18/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/18/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1059312 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.43	107	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number: 475744
Report Level: IV
Report Date: 12/30/2022

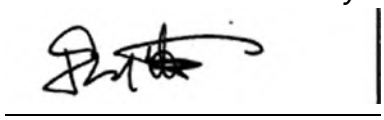
PCBs

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	475744
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	12/21/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA	475744-001	12/21/22 13:25	Wipe
AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB	475744-003	12/21/22 13:40	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 475744 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/21/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 12/22/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

475744

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 12

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	
1	~~AFRAME-C5W-LAT-L3-UP-C5.1-HS-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X			DW
2	~~AFRAME-C5W-LAT-L3-UP-C5.1-HS-2212 -P DUP~~	~~12/21/2022~~		~~WP~~	~~1~~		X			DW
3	~~AFRAME-C5W-LAT-L3-UP-C5.1-HS-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X		DW
4	~~AFRAME-C4W-LAT-L3-EXT-1 TO 2-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X			DW
5	~~AFRAME-C4W-LAT-L3-EXT-1 TO 2-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X		DW
6	~~AFRAME-C5W-MED-L3-UP-C3.4-VS-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X			DW
7	~~AFRAME-C5W-MED-L3-UP-C3.4-VS-2212 -P-DUP-~~	~~12/21/2022~~		~~WP~~	~~1~~		X			DW
8	~~AFRAME-C3W-MED-L3-UP-C3.4-VS-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X		DW
9	~~AFRAME-C3W-MED-L3-EXT-1 TO 2-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X			DW
10	~~AFRAME-C3W-MED-L3-EXT-1 TO 2-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X		DW
11	~~AFRAME-C3W-MED-L3-EXT-1 TO 2-2212 -L DUP~~	~~12/21/2022~~		~~WP~~	~~1~~			X		DW
12	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA	12/21/22	1325	WP	1		X			
13		—	—	—	—	—				
14	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA	12/21/22	1325	WP	1	—		X		2x Riv Type 2 = 0.02 ft²
15		—	—	—	—	—				

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	12/21/22 1435
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/21/22 14:38
[2] Relinquished By:	Audrey Hudson	"	"	12/21/22 17:00
[2] Received By:		Maureen M Kim		12/21/22 17:00
[3] Relinquished By:		Jeff Peterson	Enthalpy	12.21.22 17:17
[3] Received By:	Elena Sylvestri	Elena Sylvestri	EA.	12/22/22 10:00

475744

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B								HOLD	Test Instructions / Comments
1	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB	12/21/2022	1340	WP	1		X										**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB	12/21/2022	1340	WP	1			X									Report PCB concentrations on a µg/100cm2 basis
3																	Report lead concentrations on a µg/ft2 basis
4																	Report Aroclor 1268 concentrations in addition to the standard Aroclors
5																	Wipe samples collected from Zone 3 Enclosure C/D
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	12/21/22 1435
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/21/22 14:38
[2] Relinquished By:	Audrey Hudson	"	"	12/21/22 17:00
[2] Received By:			BN	12/22/22 10:00
[3] Relinquished By:				
[3] Received By:	Geena Sylvestre	Geena Sylvestre	EA.	12/22/22 10:00

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

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 475744 Client: Rincon

Date Received: 122122 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

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

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

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

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

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

If in cooler: Date Opened 12.21.22 By (print) Jak Peterson (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

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

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 12.21.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 12.21.22 **By (print)** Jak Peterson **(sign)** _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 - NCTRA WP

Date Received: 12/22/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.1 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

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

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: DEC 22 2022

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 475744 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA **Batch#:** 303863 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/21/22 **Analysis:** EPA 8082

Lab ID: 475744-001 **Received:** 12/21/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/22/22

DiIn Fac: 1.000 **Analyzed:** 12/27/22

475744-001 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

475744-001 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	54	19-121

Field ID: AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB **Batch#:** 303863 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 12/21/22 **Analysis:** EPA 8082

Lab ID: 475744-003 **Received:** 12/21/22 **Analyst:** MES

Matrix: Wipe **Prepared:** 12/22/22

DiIn Fac: 1.000 **Analyzed:** 12/27/22

475744-003 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

475744-003 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	57	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 475744 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 303863 **Analysis:** EPA 8082

Lab ID: QC1034026 **Prepared:** 12/22/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/27/22

DilN Fac: 1.000 **Prep:** EPA 3546

QC1034026 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

QC1034026 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	82	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 475744 **Project#:** 20-10491

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

Type: BS **Batch#:** 303863 **Analysis:** EPA 8082

Lab ID: QC1034027 **Prepared:** 12/22/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/27/22

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1034027 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.502	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.199	84	60-140	ug/100 cm2

QC1034027 Surrogate	%REC	Limits
TCMX (PCB)	82	19-121
Decachlorobiphenyl (PCB)	76	19-121

Type: BSD **Batch#:** 303863 **Analysis:** EPA 8082

Lab ID: QC1034028 **Prepared:** 12/22/22 **Analyst:** MES

Matrix: Wipe **Analyzed:** 12/27/22

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1034028 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.198	104	60-140	ug/100 cm2	14	20
Aroclor-1260	5.000	4.895	98	60-140	ug/100 cm2	15	20

QC1034028 Surrogate	%REC	Limits
TCMX (PCB)	96	19-121
Decachlorobiphenyl (PCB)	94	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 475744 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

-

Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

ENTHALPY CONTINUING CALIBRATION FOR 475744 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452520427004.1	File:	gc06_122722004	Time:	27-DEC-2022 10:24
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	518.0	ug/L	4	15	0.0000	
Aroclor-1260	A			500.0	517.4	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4080	2.0389	40.00	62.96	ug/L	**57**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9766	40.00	40.63	ug/L	2	15	0.0000	
Aroclor-1016	B			500.0	554.6	ug/L	11	15	0.0000	
Aroclor-1260	B			500.0	500.4	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.6043	40.00	60.97	ug/L	**52**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9607	40.00	40.01	ug/L	0	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	6120897	38.67
1-bromo-2-nitrobenzene (PCB)	A	1096423	1313242	19.78

+=high bias c=CCV

Analyst: MES 12/28/22 *

Reviewer: LW 12/30/22

Enthalpy Internal Standard Summary for Sequence 452520427

Date:	12/27/22	Reference:	gc06_102422015
Sequence:	SVOA-GC06 gc06_122722	Analyzed:	10/24/22 17:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4414084	1096423
		LOWER LIMIT	2207042	548212
		UPPER LIMIT	8828169	2192847
004	CCV		6120897	1313242

Enthalpy Internal Standard Summary for Sequence 452520427

Date: 12/27/22 Reference: gc06_122722004
Sequence: SVOA-GC06 gc06_122722 Analyzed: 12/27/22 10:24

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	6120897	1313242
		LOWER LIMIT	3060449	656621
		UPPER LIMIT	12241794	2626483
012	BLANK	QC1034026	4481737	908127
013	BS	QC1034027	5264933	1069699
014	BSD	QC1034028	5397375	1120827
015	SAMPLE	475736-042	4303615	900809
016	SAMPLE	475736-044	5449756	1092807
017	SAMPLE	475736-045	5160693	1069069
018	SAMPLE	475736-047	6109043	1253810
019	SAMPLE	475736-049	6208537	1276642
020	SAMPLE	475736-051	5620863	1183649
021	SAMPLE	475736-053	5659326	1153382
022	SAMPLE	475736-055	7035318	1419408
023	SAMPLE	475736-057	5810623	1179727
024	SAMPLE	475743-001	5620774	1200750
025	SAMPLE	475743-002	6061448	1204110
026	SAMPLE	475743-004	5728295	1086030
027	SAMPLE	475743-007	5542573	1130236
028	SAMPLE	475743-010	5313763	1139944
029	SAMPLE	475743-011	5522859	1080579
030	SAMPLE	475743-013	5258596	1142577
031	SAMPLE	475744-001	6869192	1321988
032	SAMPLE	475744-003	7556531	1466607

Enthalpy Internal Standard Summary for Sequence 452520427

Date: 12/27/22 Reference: gc06_122722004
Sequence: SVOA-GC06 gc06_122722 Analyzed: 12/27/22 10:24

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.42	4.18
		LOWER LIMIT	4.22	3.98
		UPPER LIMIT	4.62	4.38
012	BLANK	QC1034026	4.42	4.18
013	BS	QC1034027	4.42	4.18
014	BSD	QC1034028	4.42	4.18
015	SAMPLE	475736-042	4.42	4.18
016	SAMPLE	475736-044	4.42	4.18
017	SAMPLE	475736-045	4.42	4.18
018	SAMPLE	475736-047	4.42	4.18
019	SAMPLE	475736-049	4.42	4.18
020	SAMPLE	475736-051	4.42	4.18
021	SAMPLE	475736-053	4.42	4.18
022	SAMPLE	475736-055	4.42	4.18
023	SAMPLE	475736-057	4.42	4.18
024	SAMPLE	475743-001	4.42	4.18
025	SAMPLE	475743-002	4.42	4.18
026	SAMPLE	475743-004	4.42	4.18
027	SAMPLE	475743-007	4.42	4.18
028	SAMPLE	475743-010	4.42	4.18
029	SAMPLE	475743-011	4.42	4.18
030	SAMPLE	475743-013	4.42	4.18
031	SAMPLE	475744-001	4.42	4.18
032	SAMPLE	475744-003	4.42	4.18

Enthalpy Sequence Summary for Sequence 452428510

Instrument: SVOA-GC06 Begun: 10/24/22 13:50
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102422002	PEM				10/24/22 13:50	1.0	
003	gc06_102422003	ICAL				10/24/22 14:08	1.0	1
004	gc06_102422004	ICAL				10/24/22 14:26	1.0	2
005	gc06_102422005	ICAL				10/24/22 14:44	1.0	3
006	gc06_102422006	ICAL				10/24/22 15:02	1.0	4
007	gc06_102422007	ICAL				10/24/22 15:20	1.0	5
008	gc06_102422008	ICAL				10/24/22 15:38	1.0	6
009	gc06_102422009	ICAL				10/24/22 15:56	1.0	7
010	gc06_102422010	ICAL				10/24/22 16:14	1.0	8
012	gc06_102422012	ICV				10/24/22 16:50	1.0	9
014	gc06_102422014	ICAL				10/24/22 17:26	1.0	10
015	gc06_102422015	ICAL				10/24/22 17:44	1.0	11
016	gc06_102422016	ICAL				10/24/22 18:02	1.0	12
017	gc06_102422017	ICAL				10/24/22 18:20	1.0	13
018	gc06_102422018	ICAL				10/24/22 18:38	1.0	14
019	gc06_102422019	ICAL				10/24/22 18:55	1.0	15
020	gc06_102422020	ICAL				10/24/22 19:13	1.0	16
021	gc06_102422021	ICAL				10/24/22 19:31	1.0	17
022	gc06_102422022	ICAL				10/24/22 19:49	1.0	18
024	gc06_102422024	ICV				10/24/22 20:25	1.0	19

TRN 10/26/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 24.

Standards Used:
1=S17239 2=S17240 3=S17241 4=S17242 5=S17243 6=S17244 7=S17245 8=S17246 9=S17235 10=S17263 11=S17264 12=S17265 13=S17266 14=S17267 15=S17268 16=S17269 17=S17270 18=S17271 19=S17274

Enthalpy Sequence Summary for Sequence 452520427

Instrument: SVOA-GC06 Begun: 12/27/22 09:47
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_122722002	PEM				12/27/22 09:47	1.0	1
003	gc06_122722003	CCV				12/27/22 10:05	1.0	2
004	gc06_122722004	CCV				12/27/22 10:24	1.0	3
012	gc06_122722012	BLANK	QC1034026	Wipe	303863	12/27/22 12:41	1.0	4
013	gc06_122722013	BS	QC1034027	Wipe	303863	12/27/22 12:59	1.0	4
014	gc06_122722014	BSD	QC1034028	Wipe	303863	12/27/22 13:17	1.0	4
015	gc06_122722015	SAMPLE	475736-042	Wipe	303863	12/27/22 13:36	1.0	4
016	gc06_122722016	SAMPLE	475736-044	Wipe	303863	12/27/22 13:54	1.0	4
017	gc06_122722017	SAMPLE	475736-045	Wipe	303863	12/27/22 14:12	1.0	4
018	gc06_122722018	SAMPLE	475736-047	Wipe	303863	12/27/22 14:31	1.0	4
019	gc06_122722019	SAMPLE	475736-049	Wipe	303863	12/27/22 14:49	1.0	4
020	gc06_122722020	SAMPLE	475736-051	Wipe	303863	12/27/22 15:07	1.0	4
021	gc06_122722021	SAMPLE	475736-053	Wipe	303863	12/27/22 15:26	1.0	4
022	gc06_122722022	SAMPLE	475736-055	Wipe	303863	12/27/22 15:44	1.0	4
023	gc06_122722023	SAMPLE	475736-057	Wipe	303863	12/27/22 16:02	1.0	4
024	gc06_122722024	SAMPLE	475743-001	Wipe	303863	12/27/22 16:21	1.0	4
025	gc06_122722025	SAMPLE	475743-002	Wipe	303863	12/27/22 16:39	1.0	4
026	gc06_122722026	SAMPLE	475743-004	Wipe	303863	12/27/22 16:57	1.0	4
027	gc06_122722027	SAMPLE	475743-007	Wipe	303863	12/27/22 17:16	1.0	4
028	gc06_122722028	SAMPLE	475743-010	Wipe	303863	12/27/22 17:34	1.0	4
029	gc06_122722029	SAMPLE	475743-011	Wipe	303863	12/27/22 17:52	1.0	4
030	gc06_122722030	SAMPLE	475743-013	Wipe	303863	12/27/22 18:11	1.0	4
031	gc06_122722031	SAMPLE	475744-001	Wipe	303863	12/27/22 18:29	1.0	4
032	gc06_122722032	SAMPLE	475744-003	Wipe	303863	12/27/22 18:47	1.0	4

MES 12/28/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 32.

Standards Used:
1=S17384 2=S17385 3=S17386 4=S17544

SAMPLE PREPARATION SUMMARY

Batch # : 303863
Started By : EPL
Prep Date : 22-DEC-2022 15:43
Method : 3546
Spike #1 ID : S17751
Spike #2 ID : S17644
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
475736-042		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-044		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-045		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-047		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-049		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-051		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-053		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-055		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475736-057		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-002		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-010		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475743-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475744-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
475744-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
QC1034026	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1034027	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1034028	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

Analyst: MES Date: 12/28/22 Reviewer: LW Date: 12/30/22

8081/8082/608.3 Prep Log

Date/Time: 12/22/22 15:43 Initials: EPL 608.3 QC Batch#:

Microdipenser ID: SYRINGE Therm ID/CF: / Hotblock Temp (°C): N/A 8081 QC Batch #:

Prep Method: 3546 Matrix: WIPE Balance ID: N/A 8082 QC Batch #: 303863

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 c/m²	N/A	MICD-1	TV05	10.0		
LCS				-2				
LCSD				-3				
475736-042	A			-4				
-044	A			-5				
-045	A			-6	↓			
-047	A			-7	TV06			
-049	A			-8				
-051	A			-9				
-053	A			-10				
-055	A			-11				
-057	A			-12	↓			
475743-001	A			-14	TV07			
-002	A			-15				
-004	A			-16				
-007	A			-17				
-010	A			-19				
-011	A			-20	↓			
-013	A			-21	TV08			
475744-001	A			-22				
-003	A	↓	↓	-23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 223507

Acetone-Hexane Mix ID:

Sodium Sulfate Lot: 213742

Baked Sand Lot: N/A

Surrogate ID: S17751 Volume: 500 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17644 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 475744 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
475744-001	Aroclor-1016	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1221	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1232	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1242	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1248	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1254	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1260	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1262	SVOA-GC06	B	12/27/22 18:29
475744-001	Aroclor-1268	SVOA-GC06	B	12/27/22 18:29
475744-001	TCMX (PCB)	SVOA-GC06	B	12/27/22 18:29
475744-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/27/22 18:29
475744-003	Aroclor-1016	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1221	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1232	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1242	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1248	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1254	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1260	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1262	SVOA-GC06	B	12/27/22 18:47
475744-003	Aroclor-1268	SVOA-GC06	B	12/27/22 18:47
475744-003	TCMX (PCB)	SVOA-GC06	B	12/27/22 18:47
475744-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/27/22 18:47
QC1034026	Aroclor-1016	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1221	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1232	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1242	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1248	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1254	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1260	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1262	SVOA-GC06	B	12/27/22 12:41
QC1034026	Aroclor-1268	SVOA-GC06	B	12/27/22 12:41
QC1034026	TCMX (PCB)	SVOA-GC06	B	12/27/22 12:41
QC1034026	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/27/22 12:41
QC1034027	Aroclor-1016	SVOA-GC06	B	12/27/22 12:59
QC1034027	Aroclor-1260	SVOA-GC06	B	12/27/22 12:59
QC1034027	TCMX (PCB)	SVOA-GC06	B	12/27/22 12:59
QC1034027	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/27/22 12:59
QC1034028	Aroclor-1016	SVOA-GC06	B	12/27/22 13:17
QC1034028	Aroclor-1260	SVOA-GC06	B	12/27/22 13:17
QC1034028	TCMX (PCB)	SVOA-GC06	B	12/27/22 13:17
QC1034028	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/27/22 13:17

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	475744-001	Client ID:	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA
Seqnum:	452520427031.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_122722031	Batch:	303863	Time:	27-DEC-2022 18:29
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	60.84	~~0.61~~ ~~FP~~	0.93	42%	0.50		x u
Aroclor-1016 Peak # 1	B	112.1	1.12	1.12	0%			
Aroclor-1016 Peak # 2	B	4.334	0.04	0.14	108%			
Aroclor-1016 Peak # 3	B	177.4	1.77	0.62	96%			
Aroclor-1016 Peak # 4	B	4.810	0.05	2.64	193%			
Aroclor-1016 Peak # 5	B	5.568	0.06	0.13	82%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	9.349	ND	ND	35%	0.50		u
Aroclor-1260 Peak # 1	B	30.12	0.30	0.21	37%			
Aroclor-1260 Peak # 2	B	5.021	0.05	0.02	101%			
Aroclor-1260 Peak # 3	B	6.028	0.06	0.08	34%			
Aroclor-1260 Peak # 4	B	17.79	0.18	0.44	86%			
Aroclor-1260 Peak # 5	B	-12.21	ND	ND	-33%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.73	0.5000	0.2873	57	19-121	u
Decachlorobiphenyl (PCB)	B	26.78	0.5000	0.2678	54	19-121	c+ u

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

ISTD (CCV gc06_122722004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6120897	6869192	12.23
1-bromo-2-nitrobenzene (PCB)	A	1313242	1321988	0.67

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

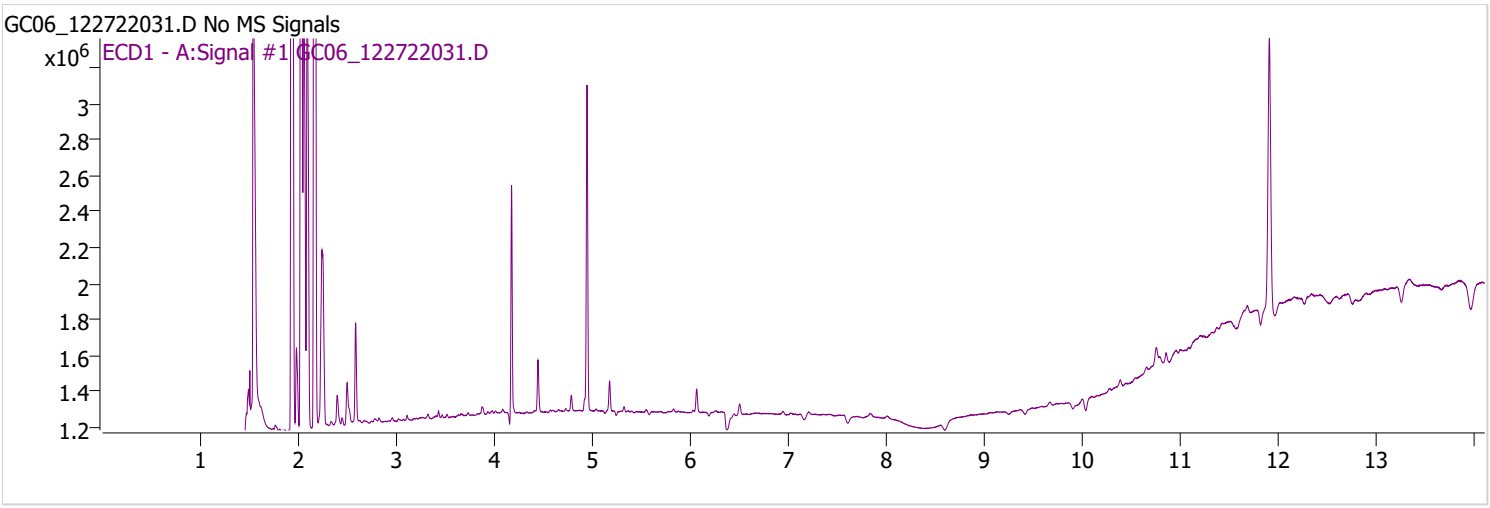
ISTD (CCV gc06_122722004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

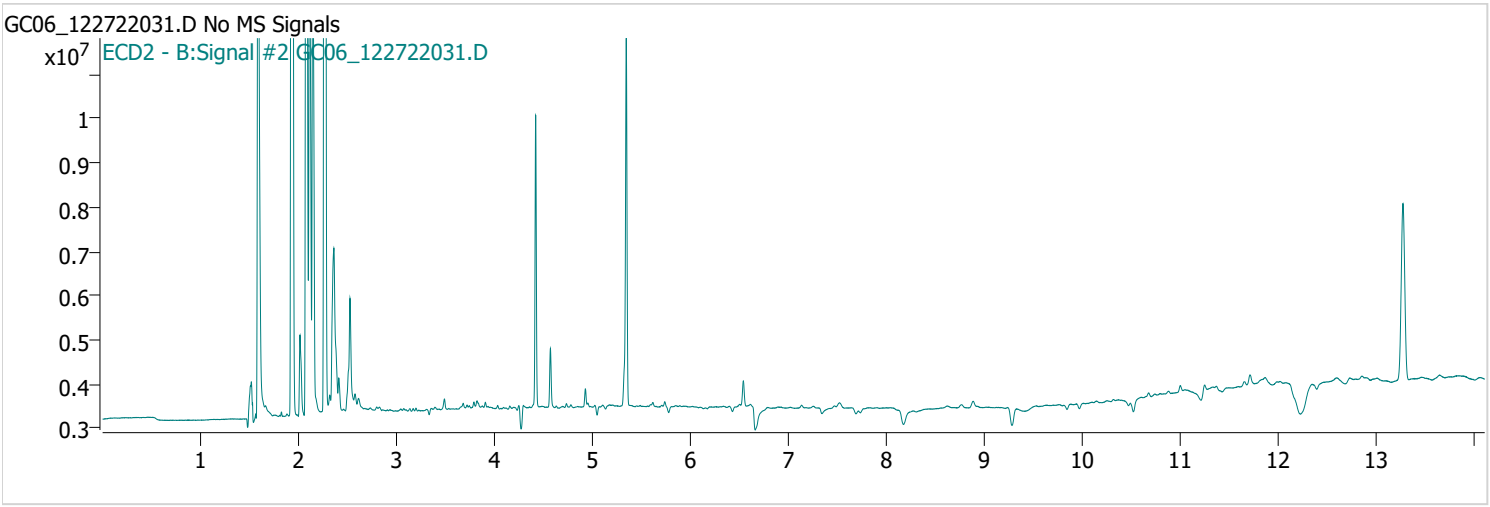
Analyst: MES 12/28/22 *

Reviewer: LW 12/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_122722031.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/27/2022 6:29:40 PM
Sample Name	475744-001, 303863, 1	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_14a.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122722PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



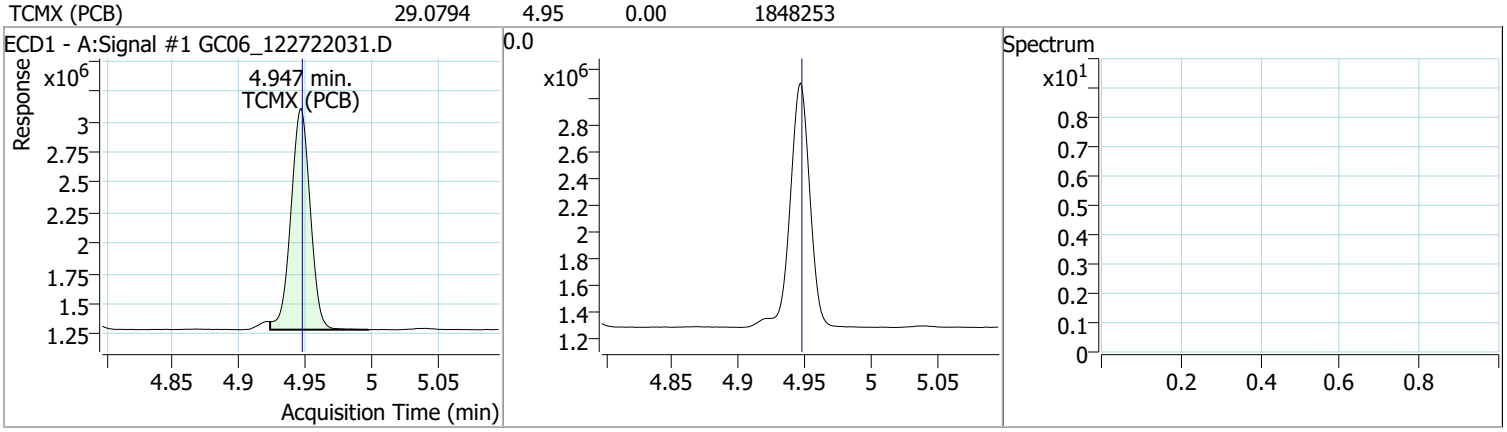


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.176	0.0	1321987.989	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.422	0.0	6869191.956	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.947	0.0	1848253.084	29.0794	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.40%			
S TCMX (PCB) #2	5.347	0.0	9478005.907	28.7308	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.65%			
S Decachlorobiphenyl (PCB)	11.914	0.0	2982994.771	32.9074	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.54%		*	
S Decachlorobiphenyl (PCB) #2	13.278	0.0	10096273.160	26.7833	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.92%			
Target Compounds							QValue

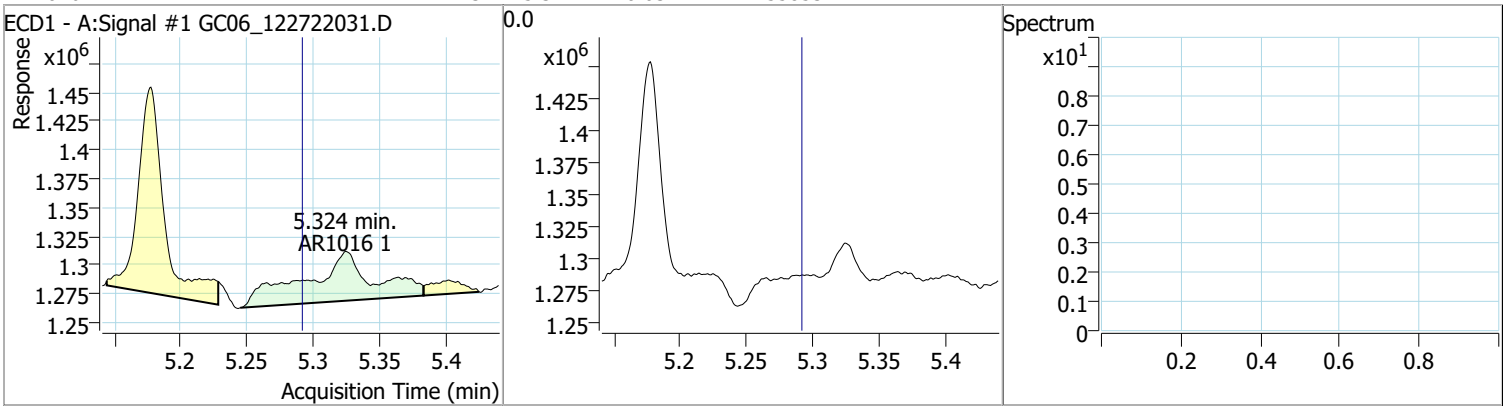
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.324	0.0	155853.042	112.4473	ng/ml	100
T AR1016 2	5.613	0.0	82315.520	14.4794	ng/ml	100
T AR1016 1 #2	5.853	0.0	800422.493	112.1150	ng/ml	100
T AR1016 3	6.066	0.0	219123.960	62.3557	ng/ml	100
T AR1016 4	6.257	0.0	705389.566	263.9254	ng/ml	100
T AR1016 2 #2	6.216	0.0	44661.282	4.3336	ng/ml	100
T AR1016 5	6.696	0.0	28776.904	13.3676	ng/ml	100
T AR1016 3 #2	6.899	0.0	3321490.831	177.3741	ng/ml	100
T AR1016 4 #2	7.024	0.0	64298.153	4.8096	ng/ml	100
T AR1016 5 #2	7.718	0.0	60510.689	5.5685	ng/ml	100
T AR1260 1	8.556	0.0	92455.699	20.6851	ng/ml	100
T AR1260 2	9.070	0.0	11286.991	1.6568	ng/ml	100
T AR1260 3	9.588	0.0	60286.656	8.4665	ng/ml	100
T AR1260 1 #2	9.946	0.0	615736.707	30.1202	ng/ml	100
T AR1260 4	10.001	0.0	225321.250	44.4706	ng/ml	100
T AR1260 2 #2	10.149	0.0	123322.949	5.0208	ng/ml	100
T AR1260 5	10.391	0.0	73816.577	0.0000	ng/ml	100
T AR1260 3 #2	10.496	0.0	187407.525	6.0278	ng/ml	100
T AR1260 4 #2	11.005	0.0	707121.275	17.7860	ng/ml	100
T AR1260 5 #2	11.657	0.0	166770.771	0.0000	ng/ml	100

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

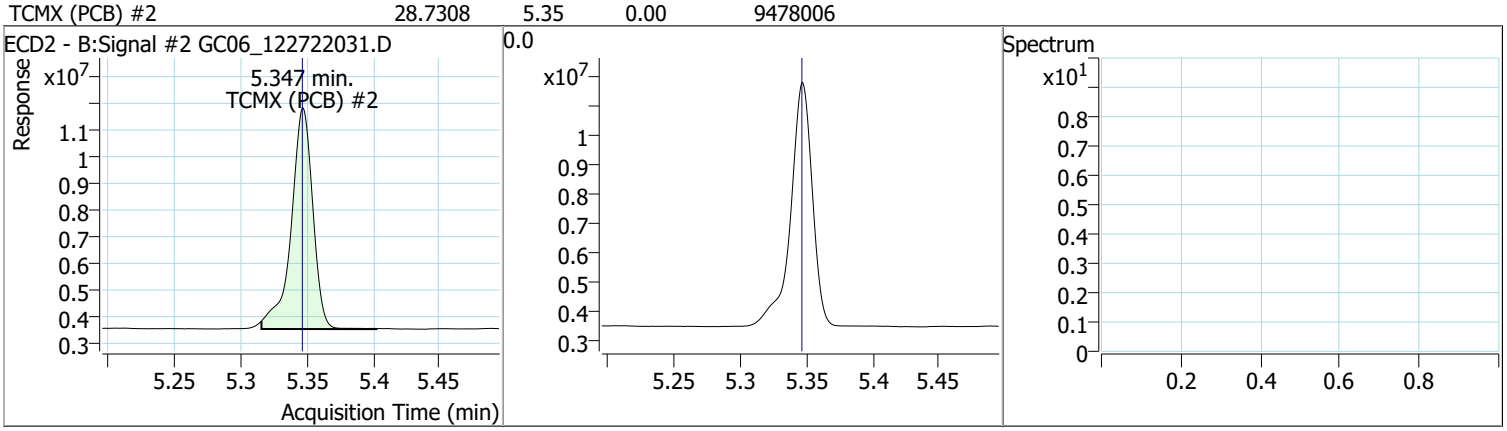
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.0794	4.95	0.00	1848253				



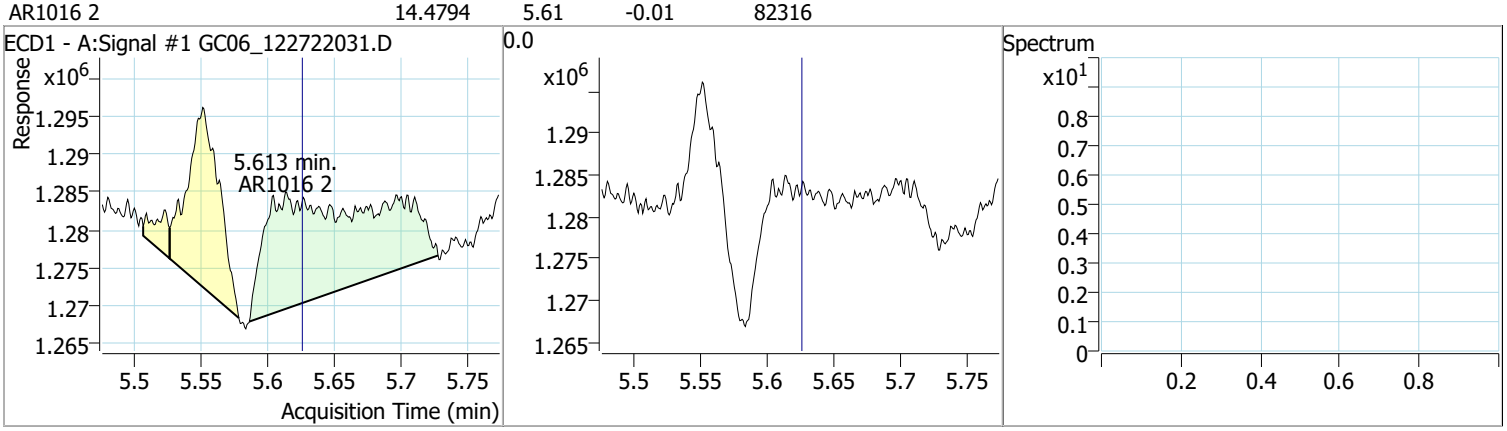
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	112.4473	5.32	0.03	155853				



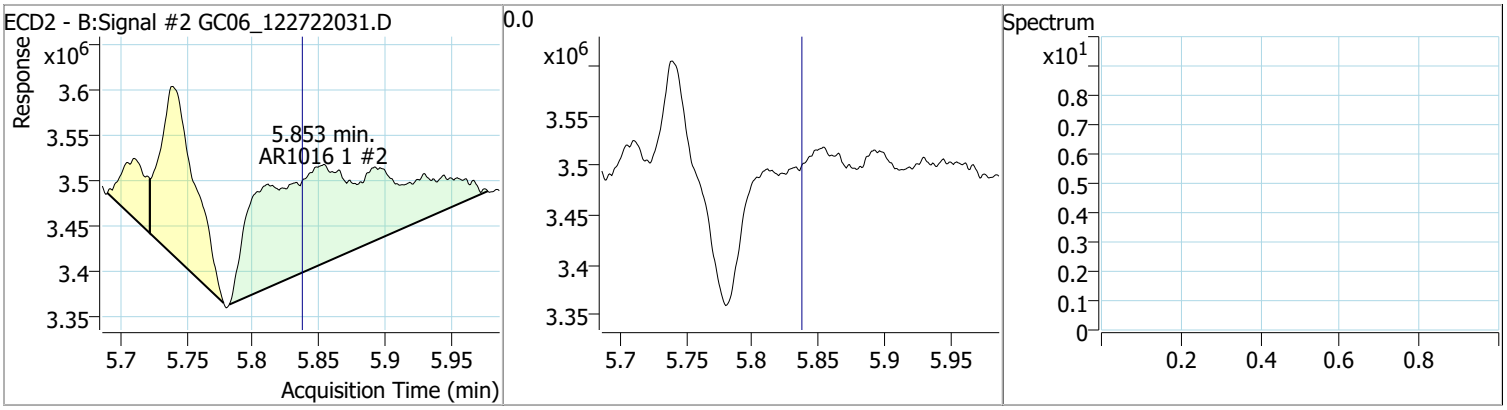
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.7308	5.35	0.00	9478006				



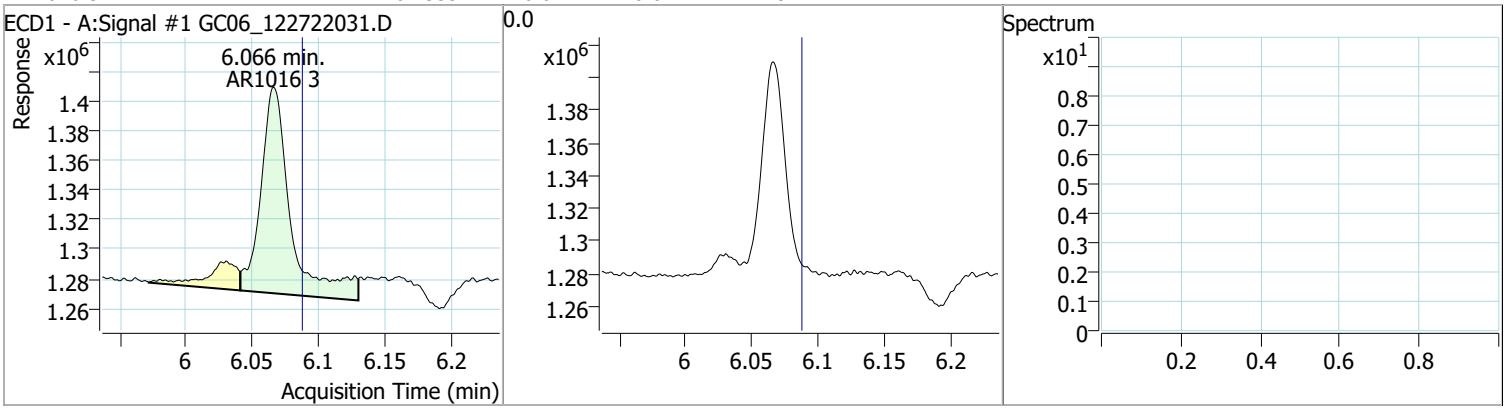
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	14.4794	5.61	-0.01	82316				



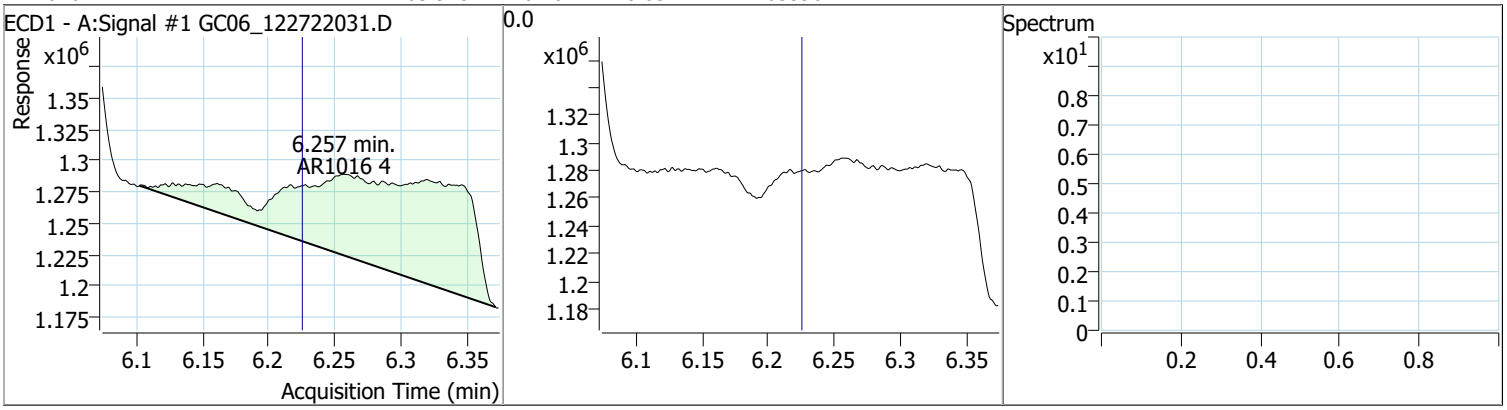
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	112.1150	5.85	0.02	800422				



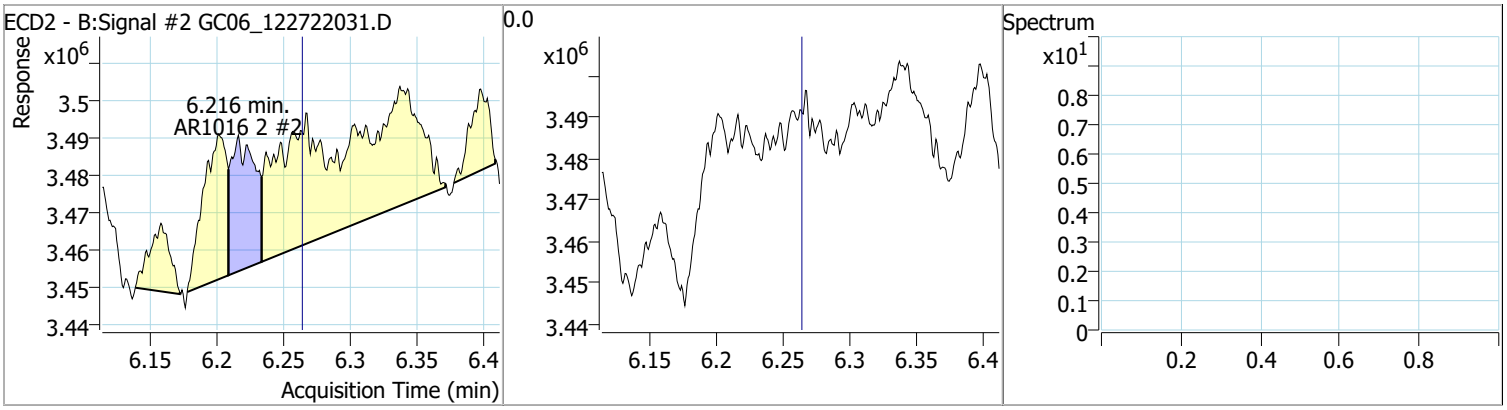
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AR1016 3	62.3557	6.07	-0.02	219124				



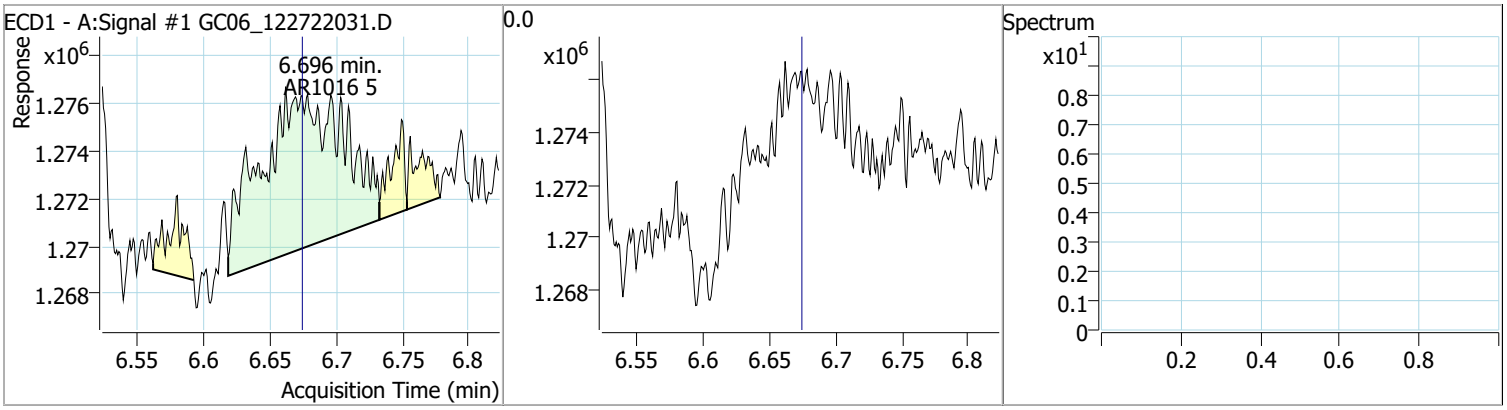
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	263.9254	6.26	0.03	705390				



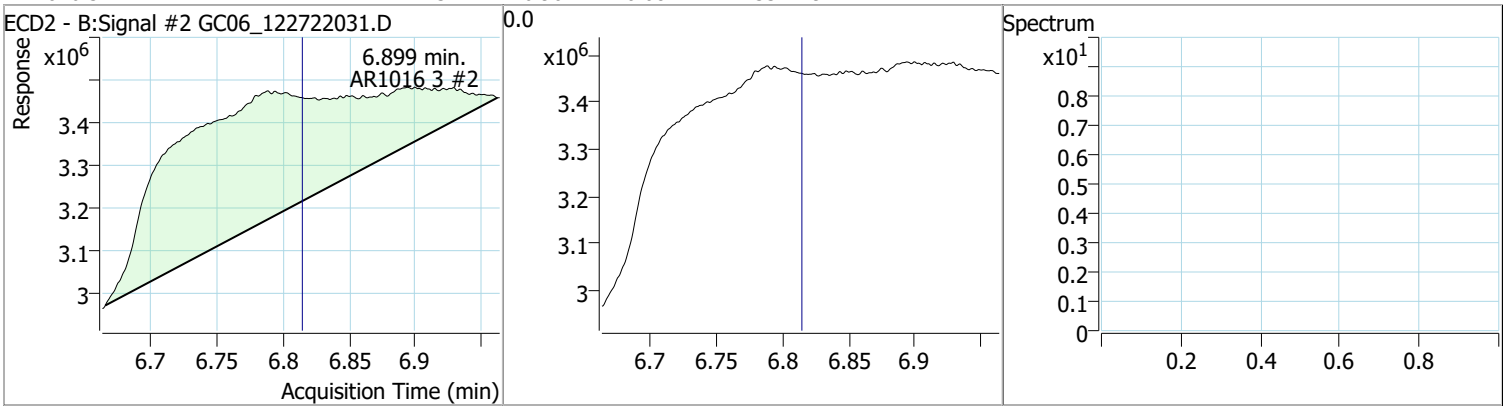
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.3336	6.22	-0.05	44661				



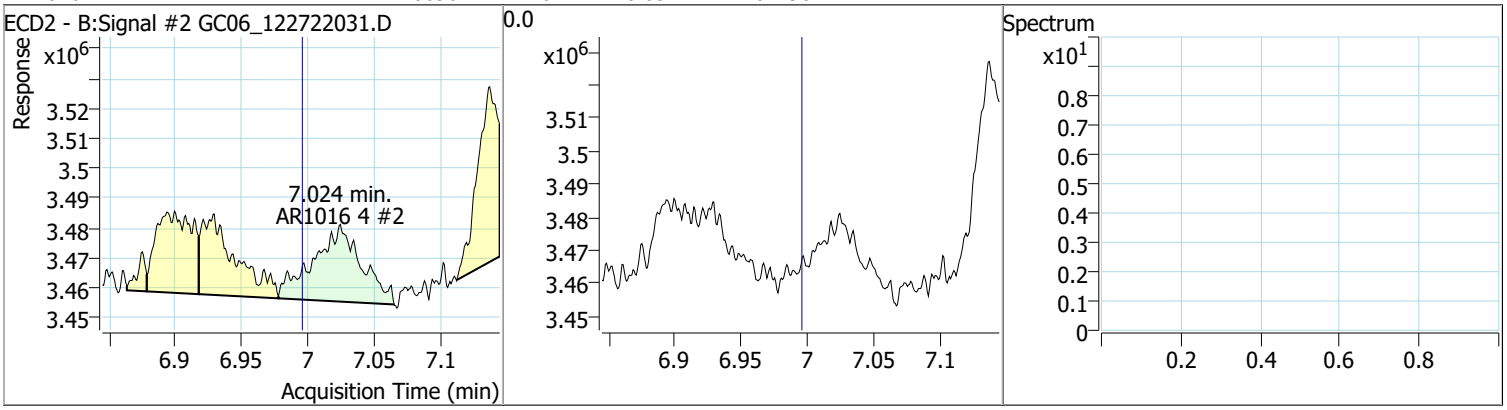
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	13.3676	6.70	0.02	28777				



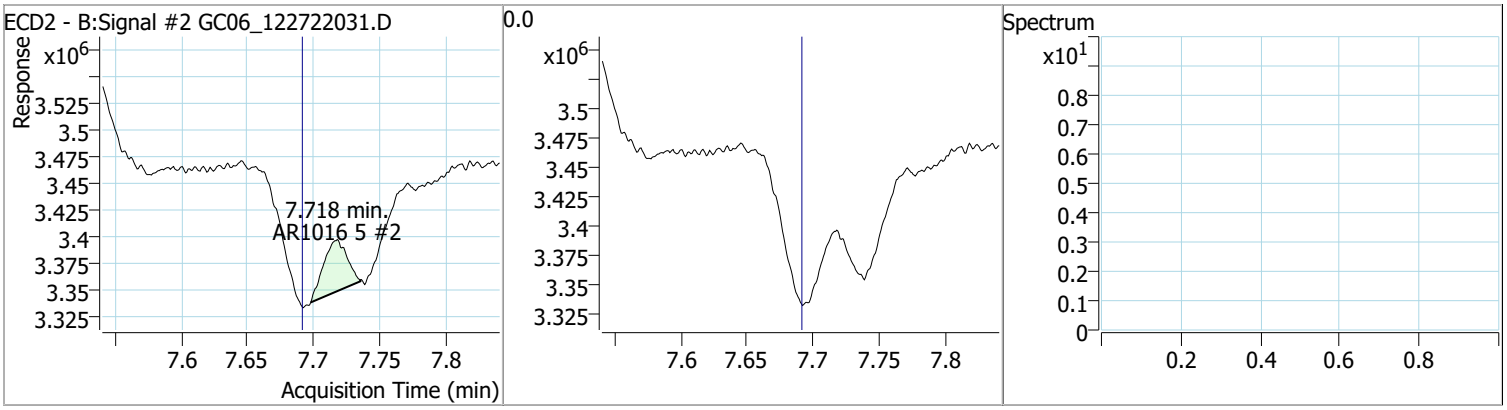
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	177.3741	6.90	0.08	3321491				



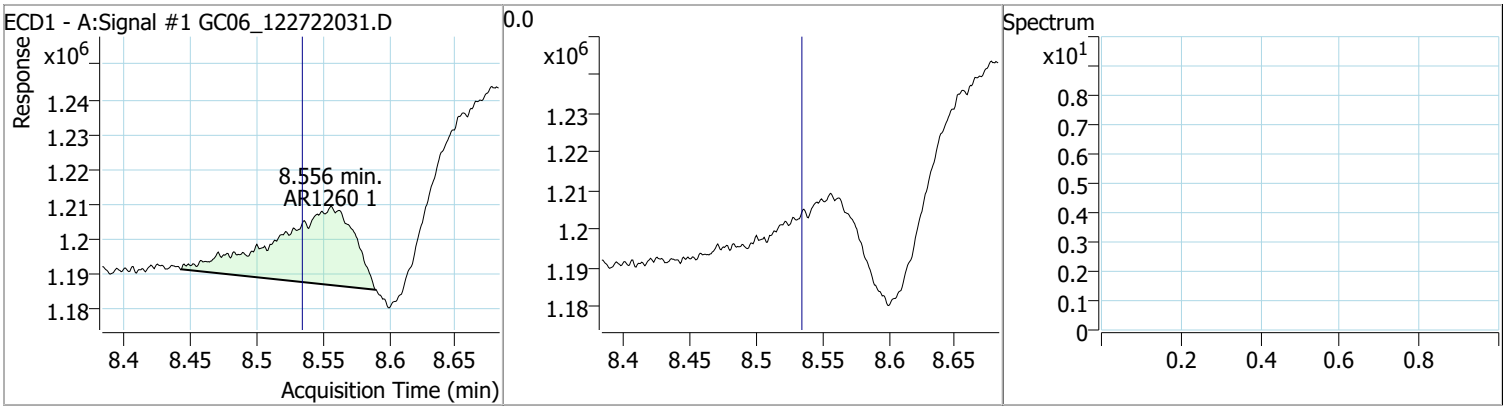
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.8096	7.02	0.03	64298				



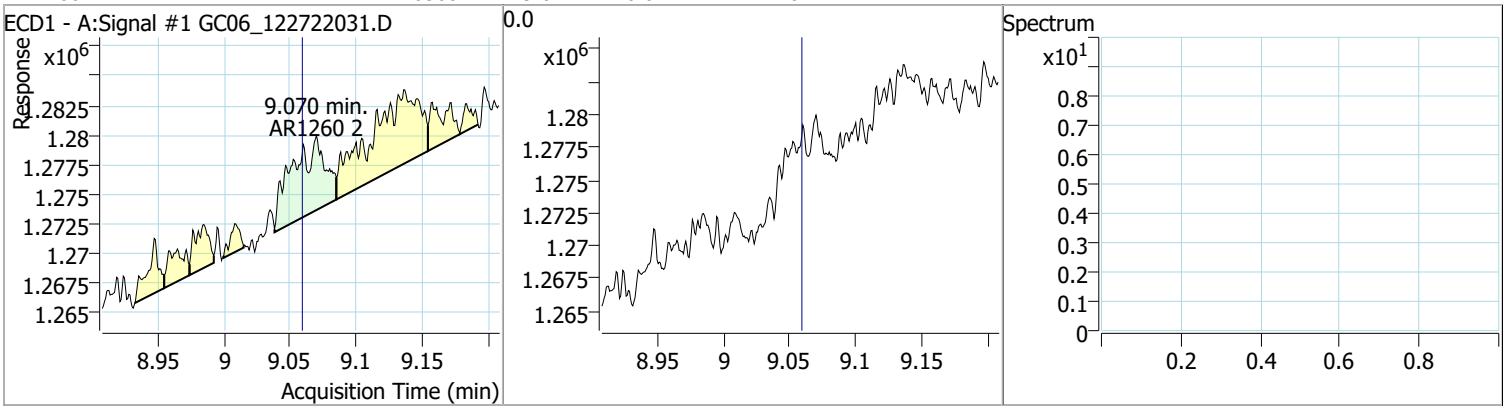
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.5685	7.72	0.03	60511				



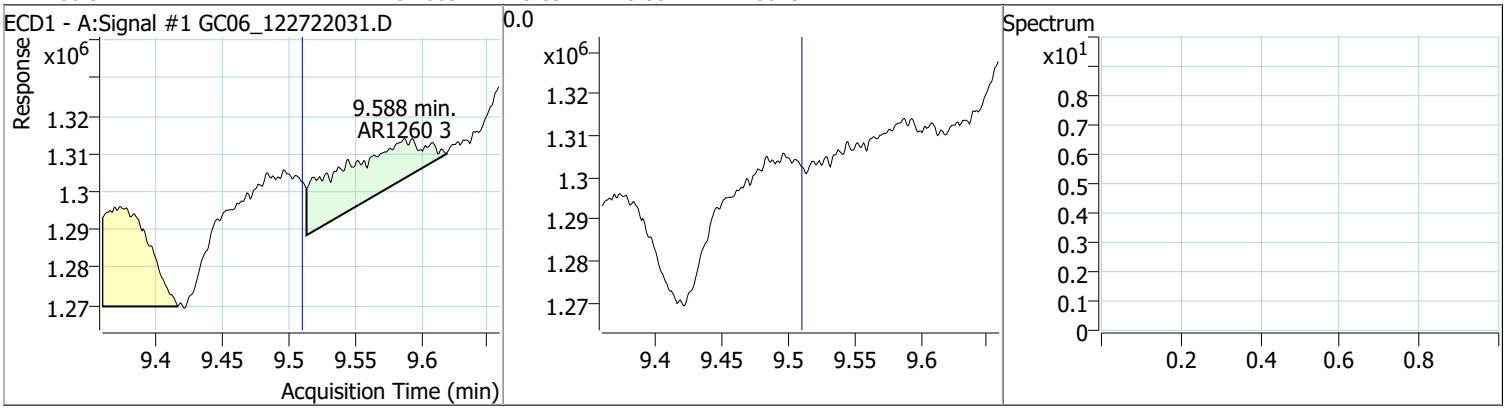
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	20.6851	8.56	0.02	92456				



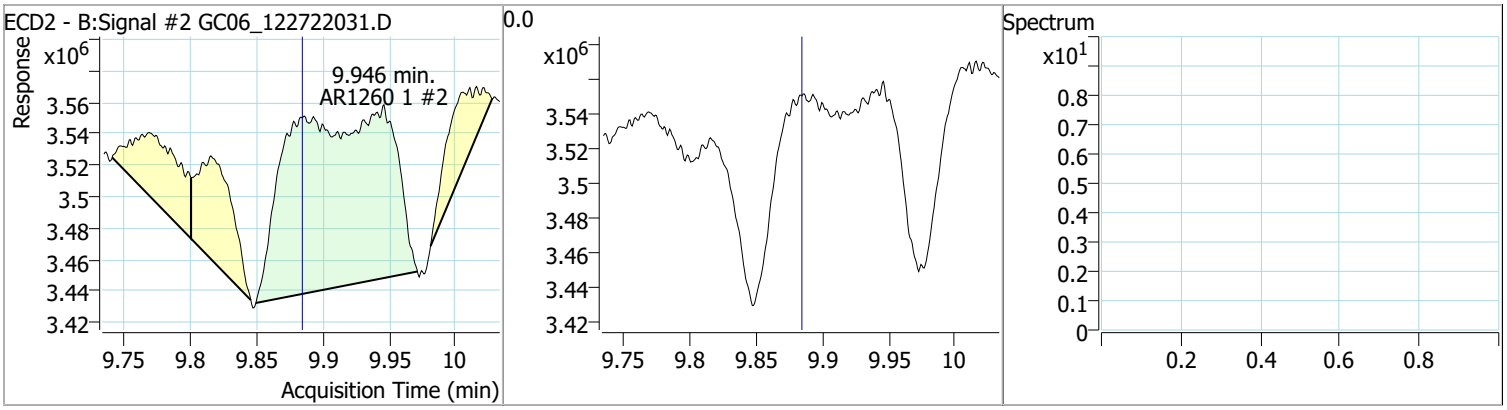
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.6568	9.07	0.01	11287				



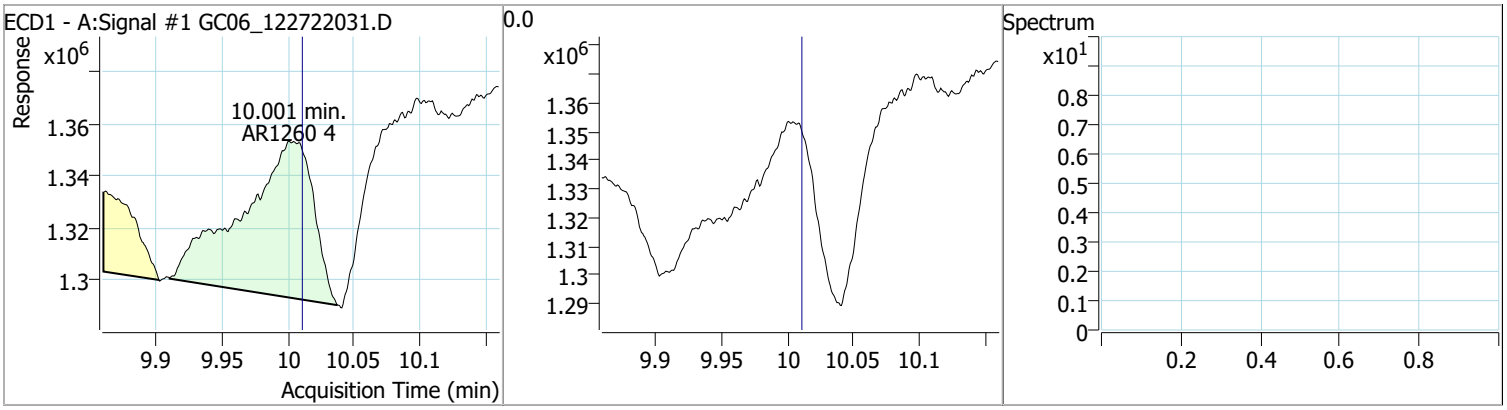
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	8.4665	9.59	0.08	60287				



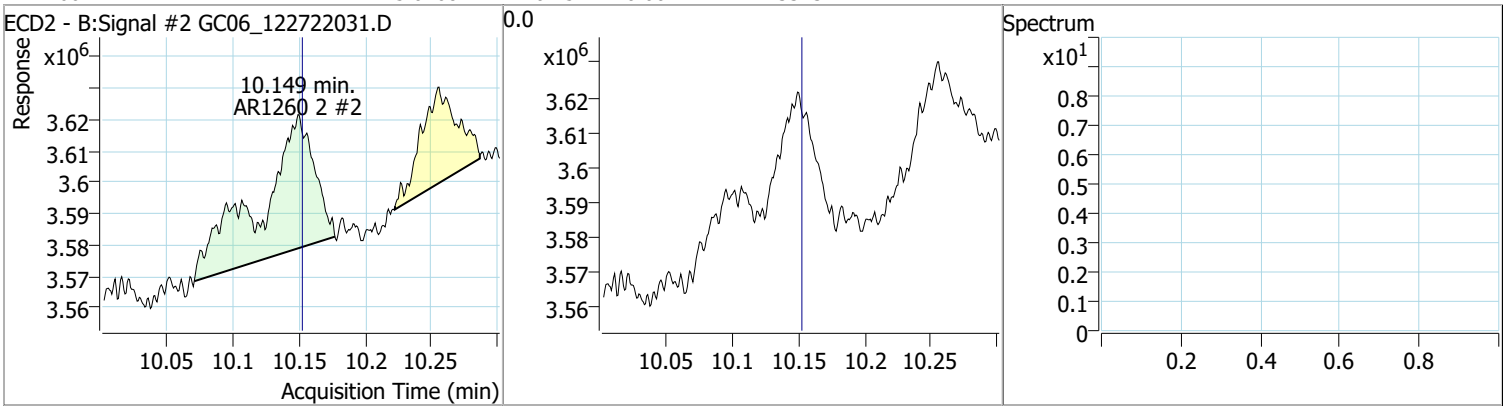
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	30.1202	9.95	0.06	615737				



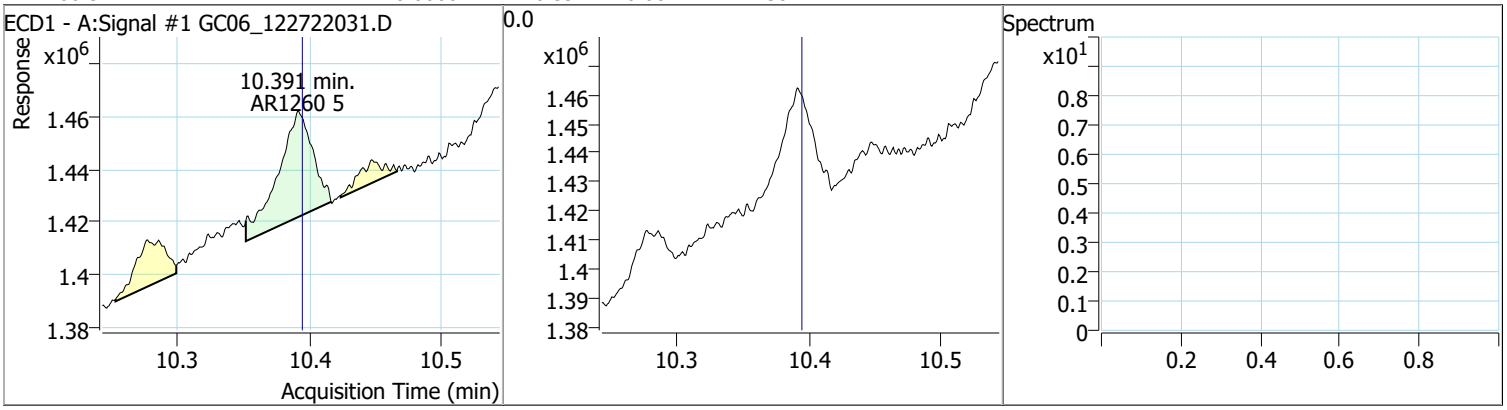
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	44.4706	10.00	-0.01	225321				



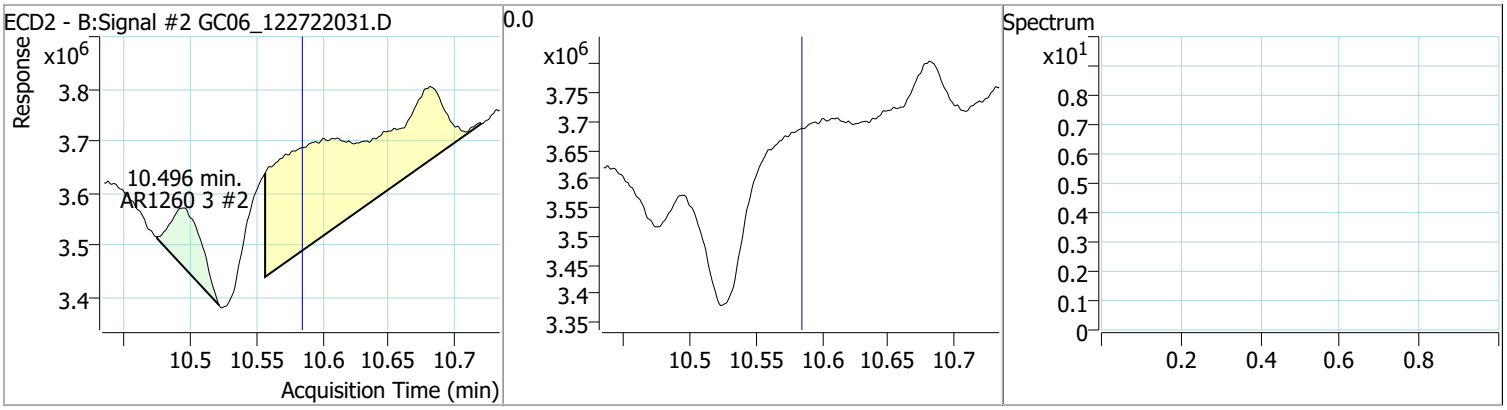
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	5.0208	10.15	0.00	123323				



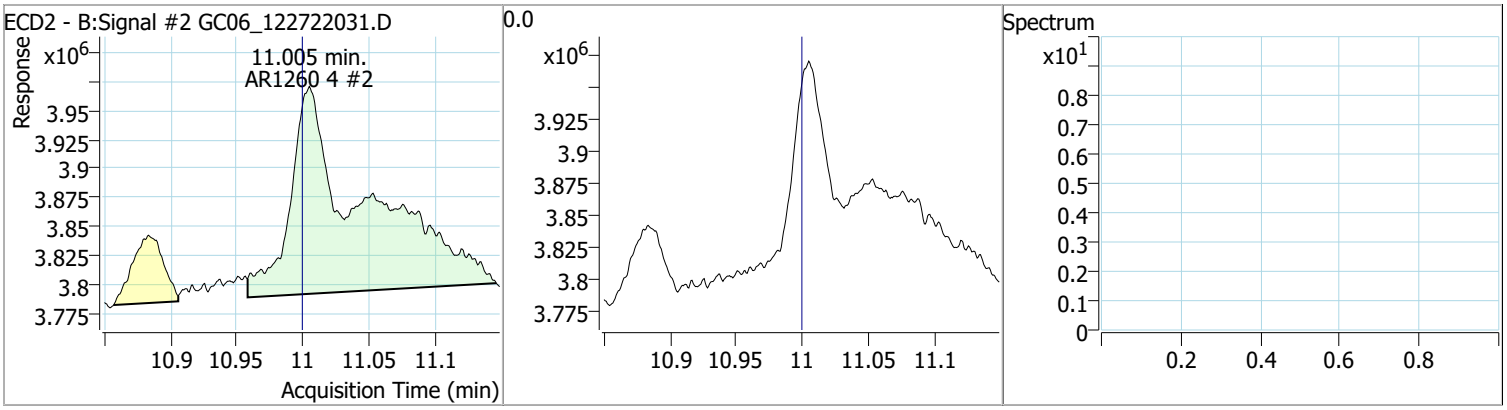
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.39	0.00	73817				



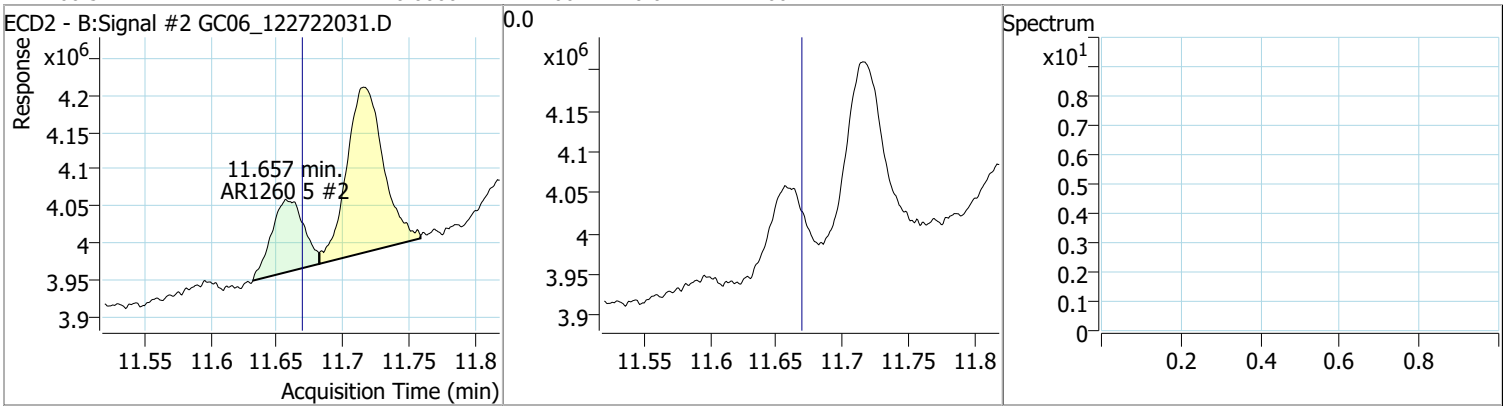
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.0278	10.50	-0.09	187408				



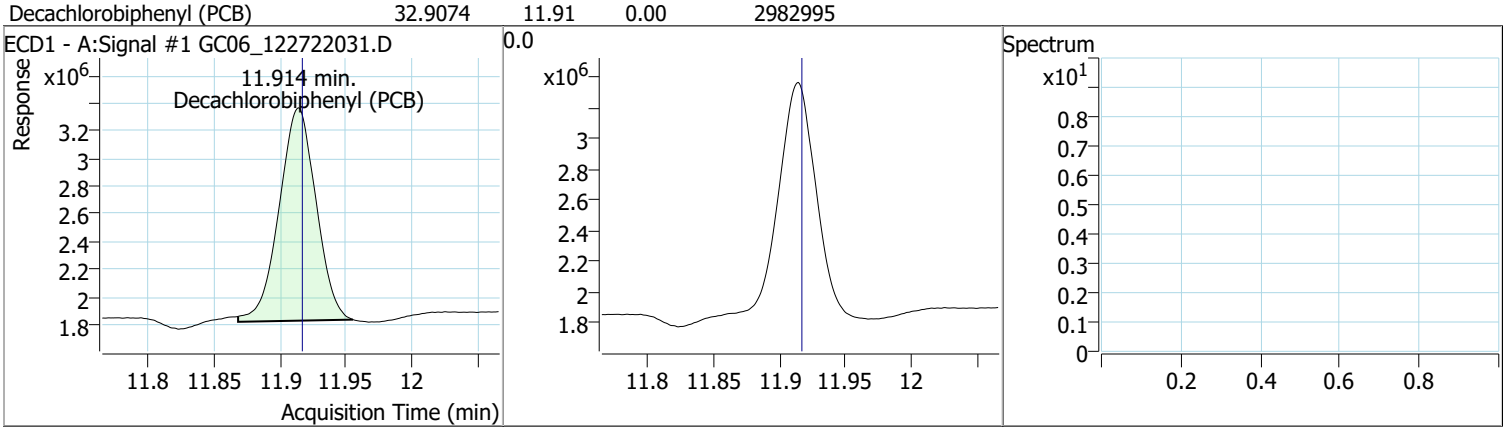
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	17.7860	11.01	0.00	707121				



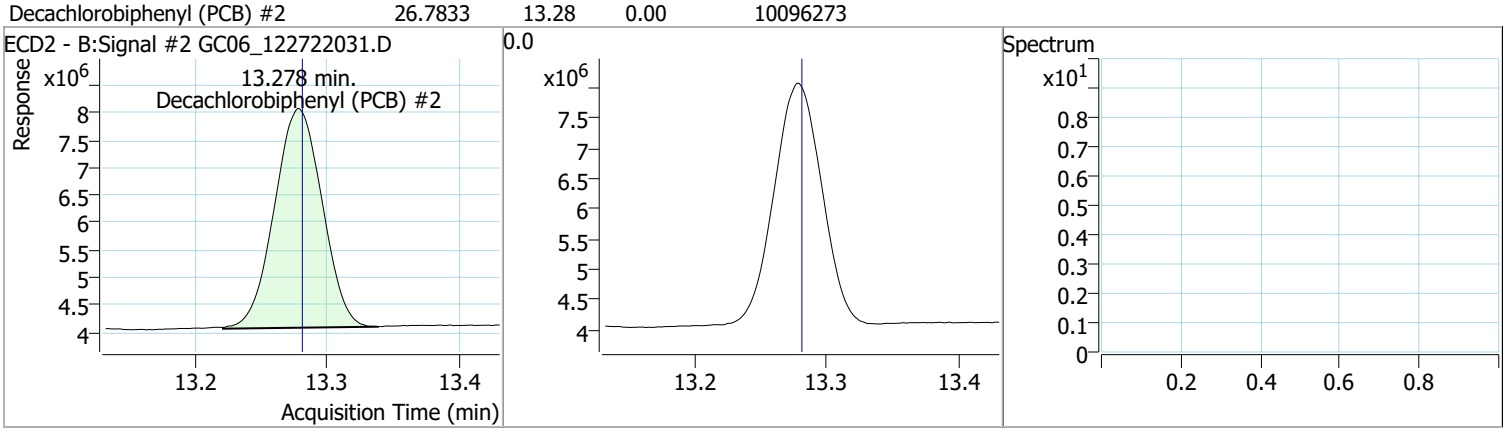
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.66	-0.01	166771				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.9074	11.91	0.00	2982995				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.7833	13.28	0.00	10096273				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	475744-003	Client ID:	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB
Seqnum:	452520427032.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_122722032	Batch:	303863	Time:	27-DEC-2022 18:47
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	73.37	~~0.73~~ ~~FP~~	0.83	12%	0.50		x u
Aroclor-1016 Peak # 1	B	79.41	0.79	0.68	16%			
Aroclor-1016 Peak # 2	B	11.45	0.11	0.07	42%			
Aroclor-1016 Peak # 3	B	168.3	1.68	0.82	69%			
Aroclor-1016 Peak # 4	B	2.202	0.02	1.18	193%			
Aroclor-1016 Peak # 5	B	105.5	1.05	1.39	27%			
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	5.702	ND	ND	33%	0.50		u
Aroclor-1260 Peak # 1	B	38.20	0.38	0.17	77%			
Aroclor-1260 Peak # 2	B	4.085	0.04	0.00	158%			
Aroclor-1260 Peak # 3	B	5.564	0.06	0.09	42%			
Aroclor-1260 Peak # 4	B	-5.660	ND	0.26	313%			
Aroclor-1260 Peak # 5	B	-13.68	ND	ND	-14%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.84	0.5000	0.3384	68	19-121	u
Decachlorobiphenyl (PCB)	B	28.69	0.5000	0.2869	57	19-121	c+ u

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

ISTD (CCV gc06_122722004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6120897	7556531	23.45
1-bromo-2-nitrobenzene (PCB)	A	1313242	1466607	11.68

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

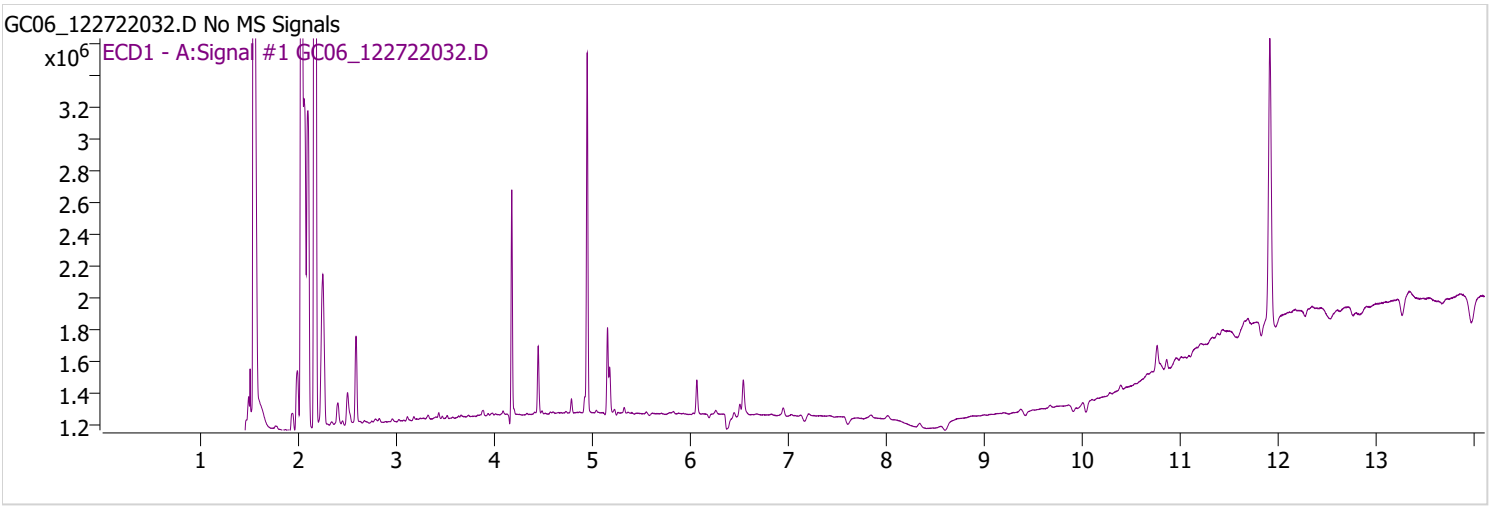
ISTD (CCV gc06_122722004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

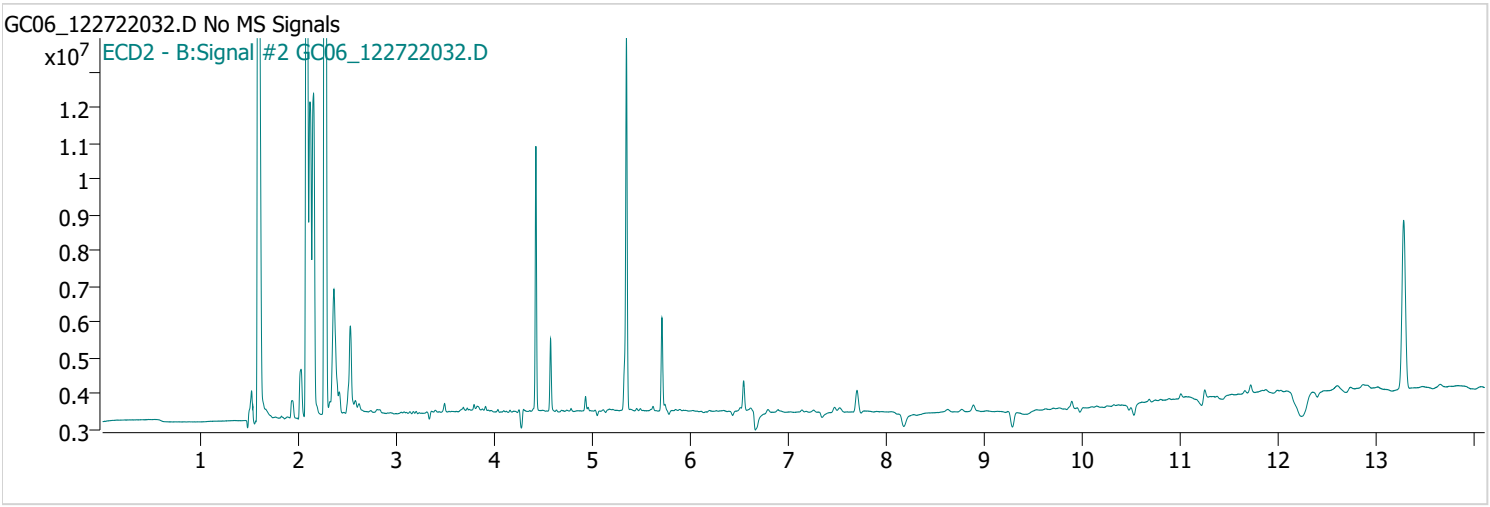
Analyst: MES 12/28/22 *

Reviewer: LW 12/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_122722032.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/27/2022 6:47:57 PM
Sample Name	475744-003, 303863, 1	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_14a.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122722PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



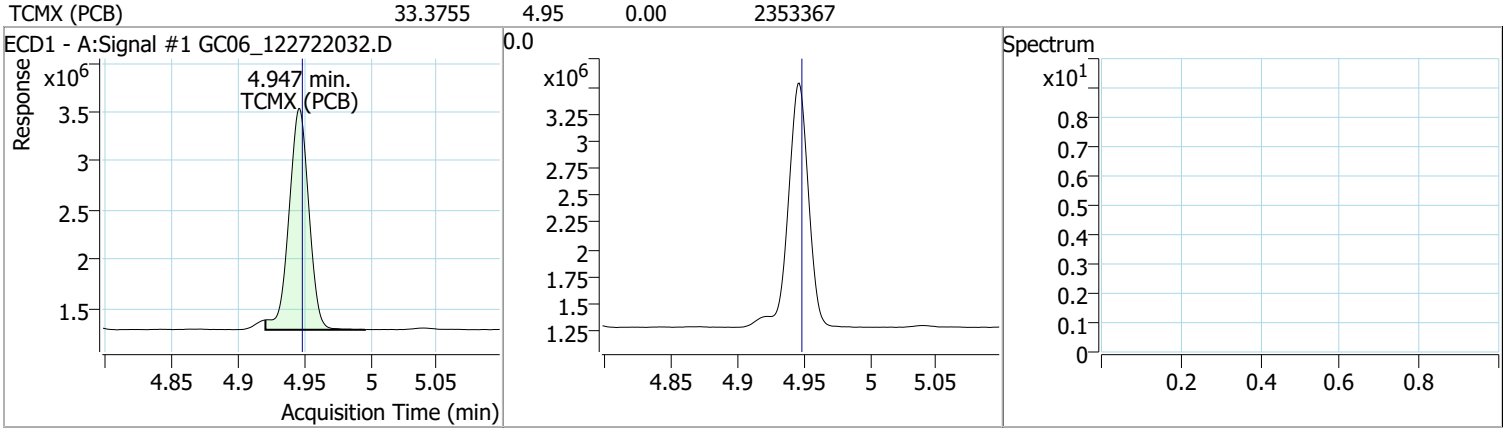


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.177	0.0	1466606.606	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.423	0.0	7556531.439	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.947	0.0	2353367.156	33.3755	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.88%		*	
S TCMX (PCB) #2	5.347	0.0	12280041.675	33.8387	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.19%		*	
S Decachlorobiphenyl (PCB)	11.913	0.0	3488325.798	34.9212	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.61%		*	
S Decachlorobiphenyl (PCB) #2	13.278	0.0	11841152.650	28.6947	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.47%			
Target Compounds							QValue

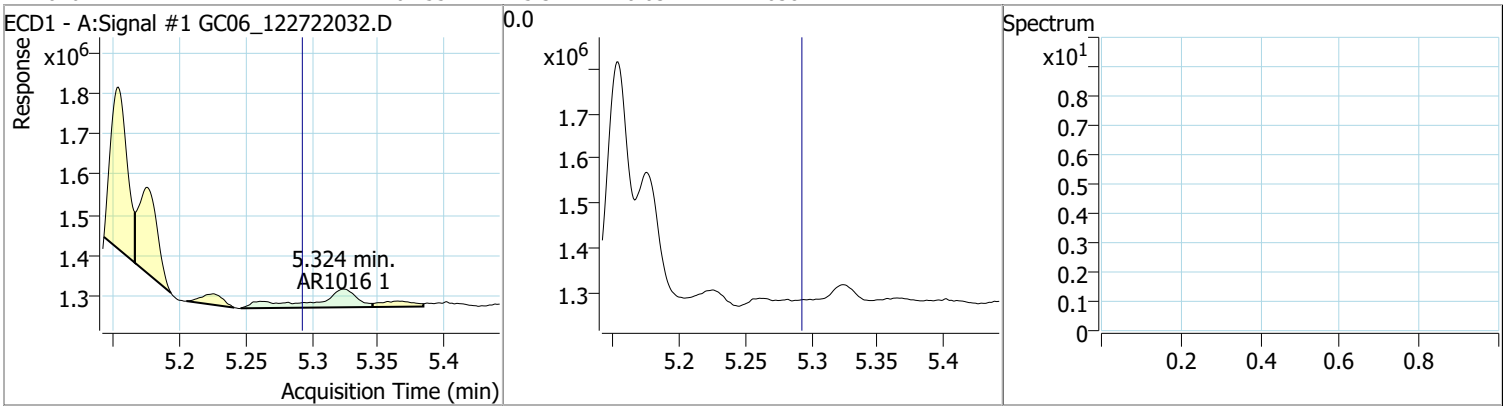
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.324	0.0	103870.719	67.5524	ng/ml	100
T AR1016 2	5.609	0.0	69954.544	7.4911	ng/ml	100
T AR1016 1 #2	5.850	0.0	623673.444	79.4118	ng/ml	100
T AR1016 3	6.066	0.0	319333.190	81.9114	ng/ml	100
T AR1016 4	6.257	0.0	351074.698	118.4038	ng/ml	100
T AR1016 2 #2	6.265	0.0	129769.352	11.4464	ng/ml	100
T AR1016 5	6.539	0.0	332114.992	139.0633	ng/ml	100
T AR1016 3 #2	6.793	0.0	3467903.503	168.3477	ng/ml	100
T AR1016 4 #2	7.020	0.0	32380.549	2.2018	ng/ml	100
T AR1016 5 #2	7.700	0.0	1260658.697	105.4599	ng/ml	100
T AR1260 1	8.553	0.0	83868.697	16.9137	ng/ml	100
T AR1260 2	9.059	0.0	3605.814	0.4771	ng/ml	100
T AR1260 3	9.583	0.0	67620.187	8.5600	ng/ml	100
T AR1260 1 #2	9.893	0.0	859093.676	38.2021	ng/ml	100
T AR1260 4	10.001	0.0	171801.930	25.7358	ng/ml	100
T AR1260 2 #2	10.143	0.0	110383.925	4.0853	ng/ml	100
T AR1260 5	10.393	0.0	54152.720	0.0000	ng/ml	100
T AR1260 3 #2	10.493	0.0	190287.395	5.5637	ng/ml	100
T AR1260 4 #2	11.005	0.0	337755.142	0.0000	ng/ml	100
T AR1260 5 #2	11.659	0.0	141673.407	0.0000	ng/ml	100

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

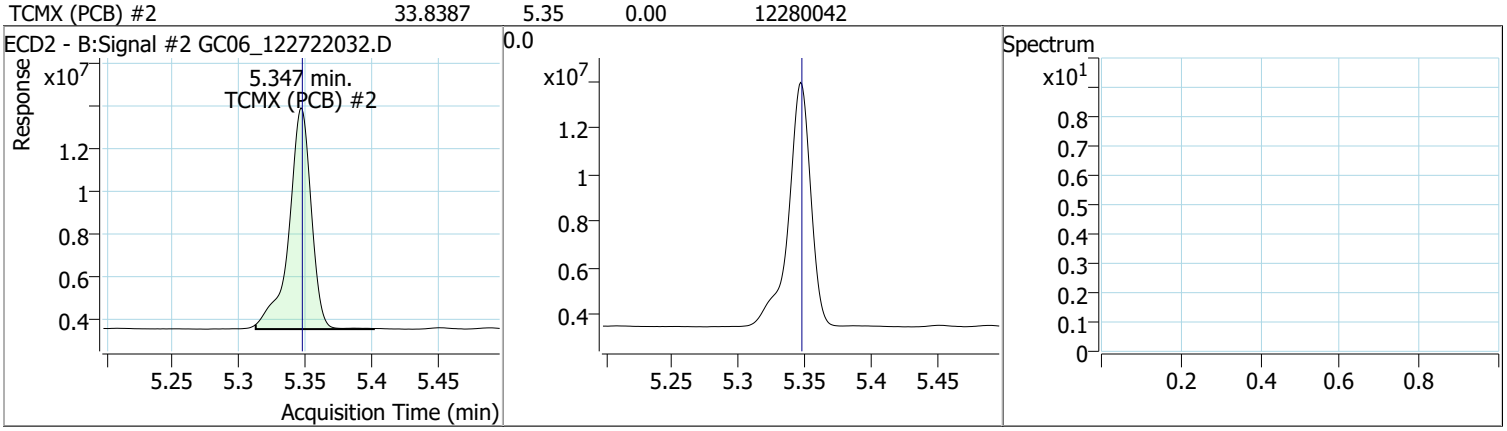
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.3755	4.95	0.00	2353367				



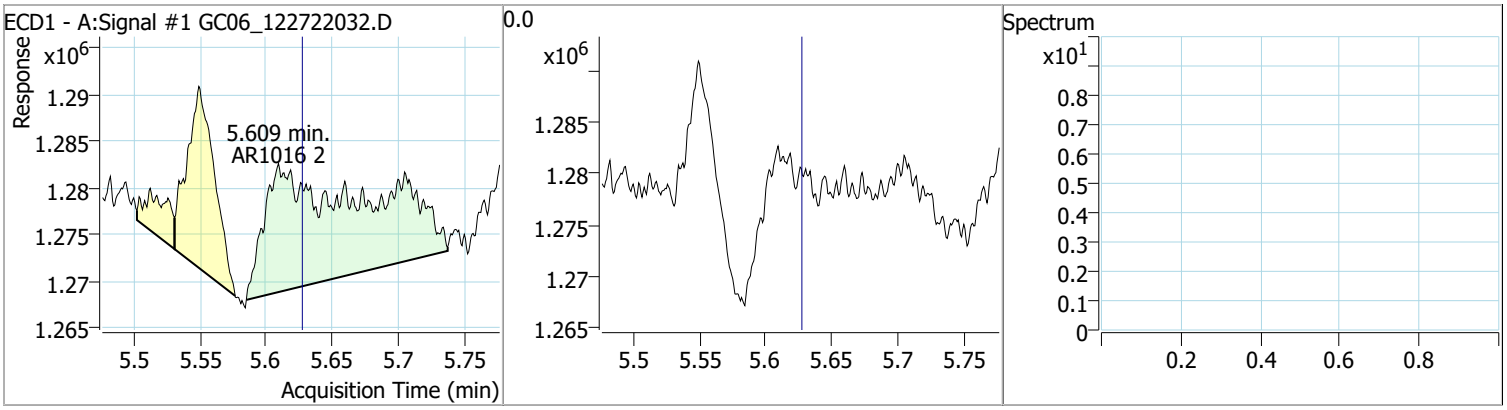
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	67.5524	5.32	0.03	103871				



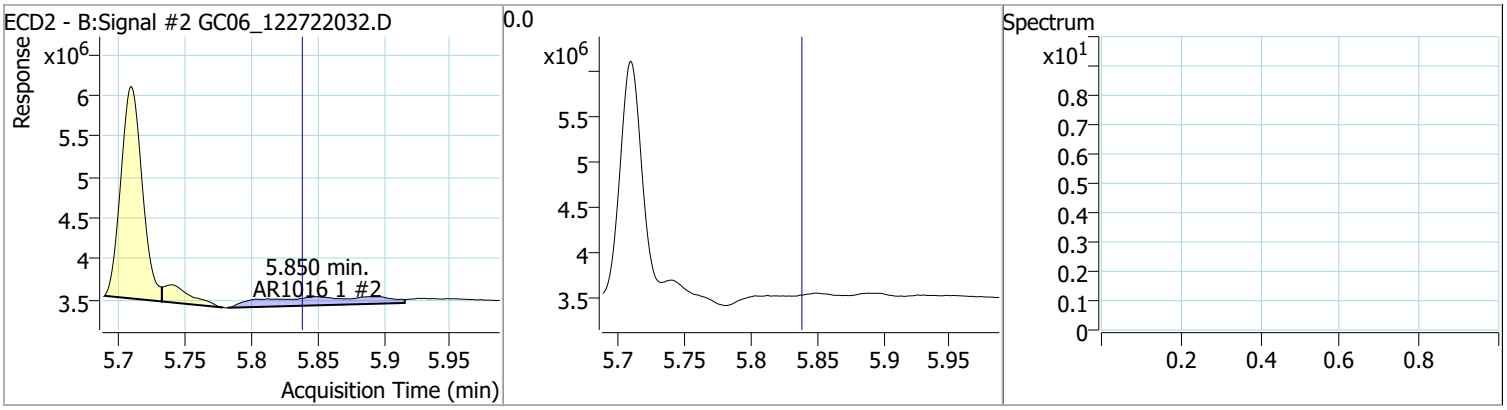
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.8387	5.35	0.00	12280042				



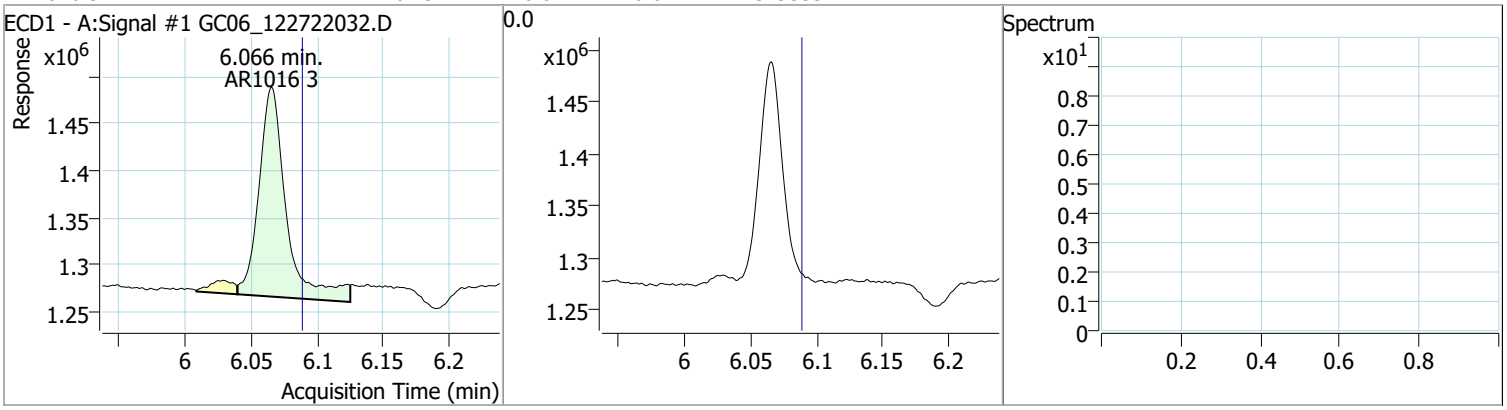
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.4911	5.61	-0.02	69955				



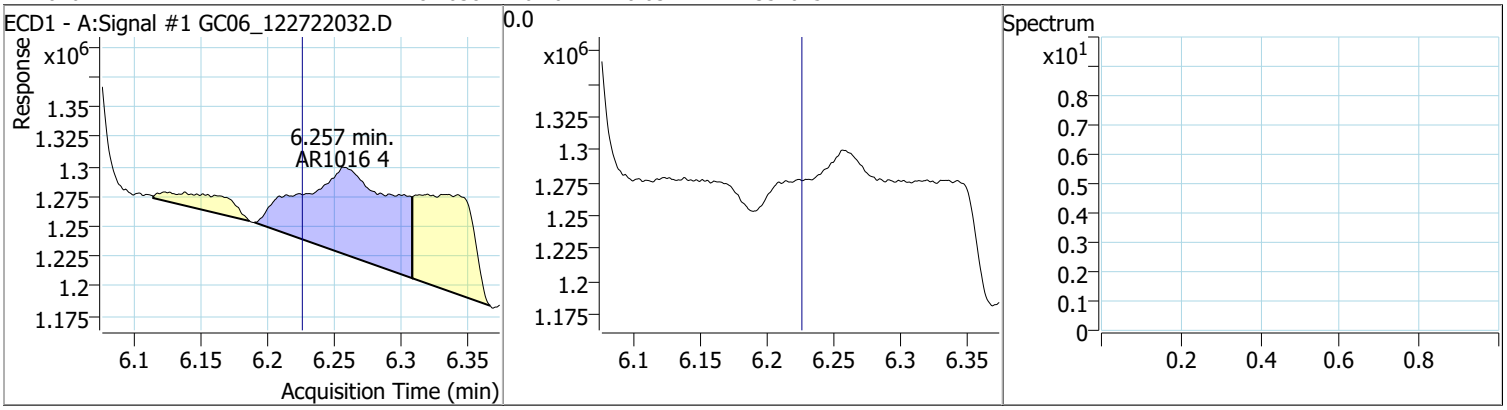
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	79.4118	5.85	0.01	623673				



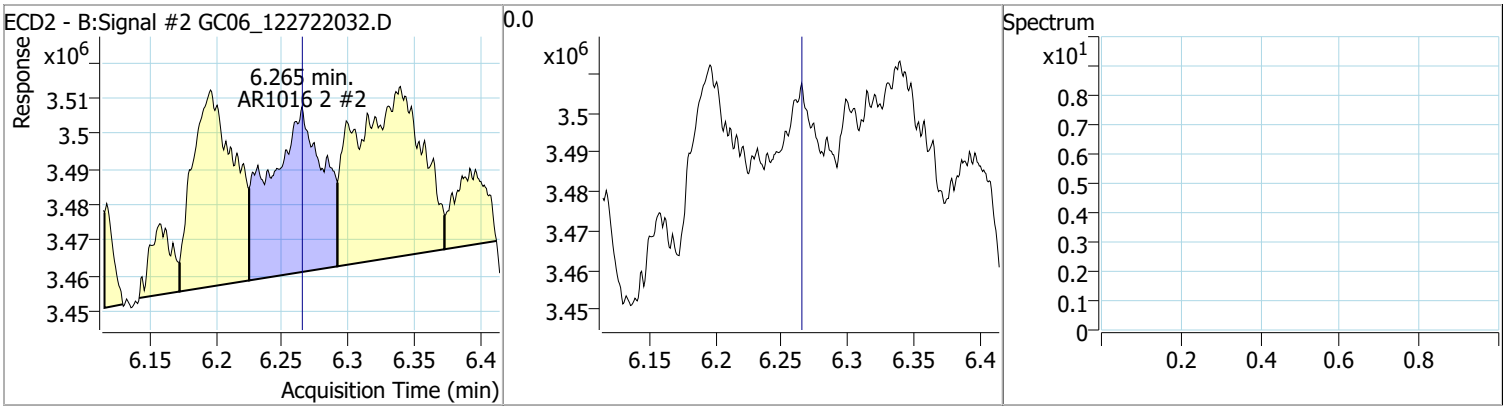
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	81.9114	6.07	-0.02	319333				



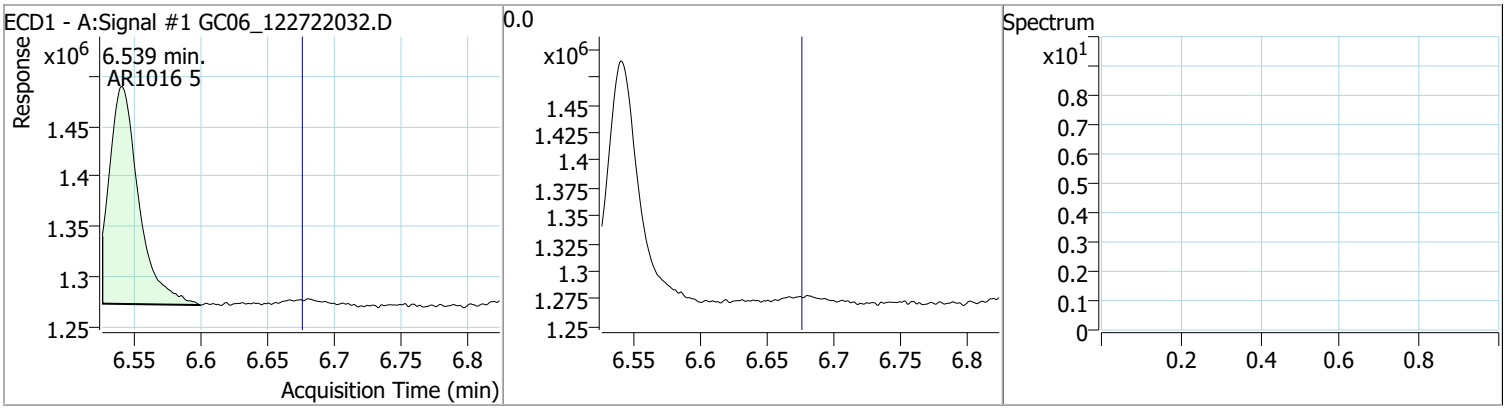
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	118.4038	6.26	0.03	351075				



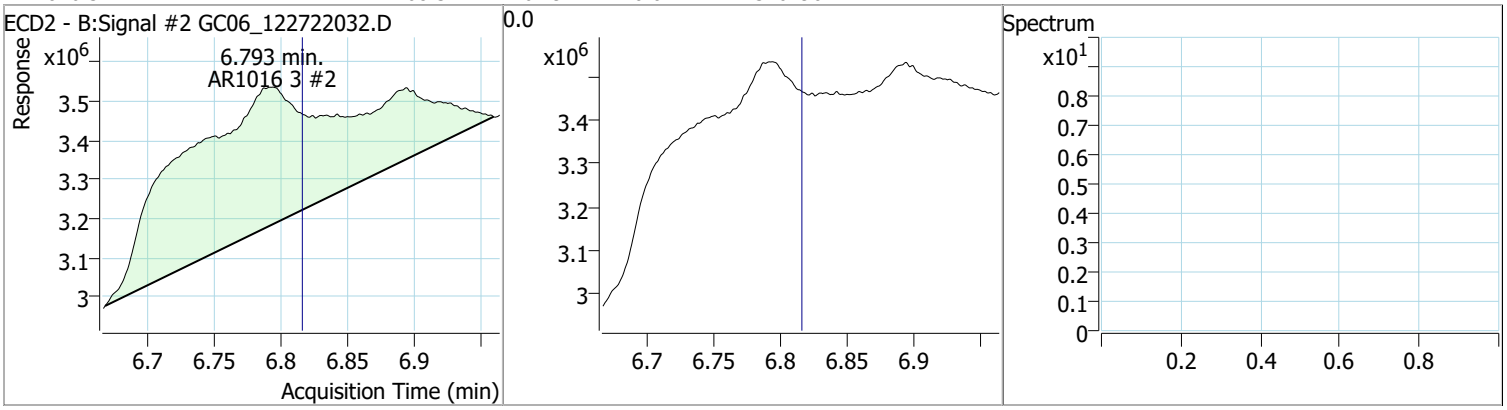
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AR1016 2 #2	11.4464	6.27	0.00	129769				



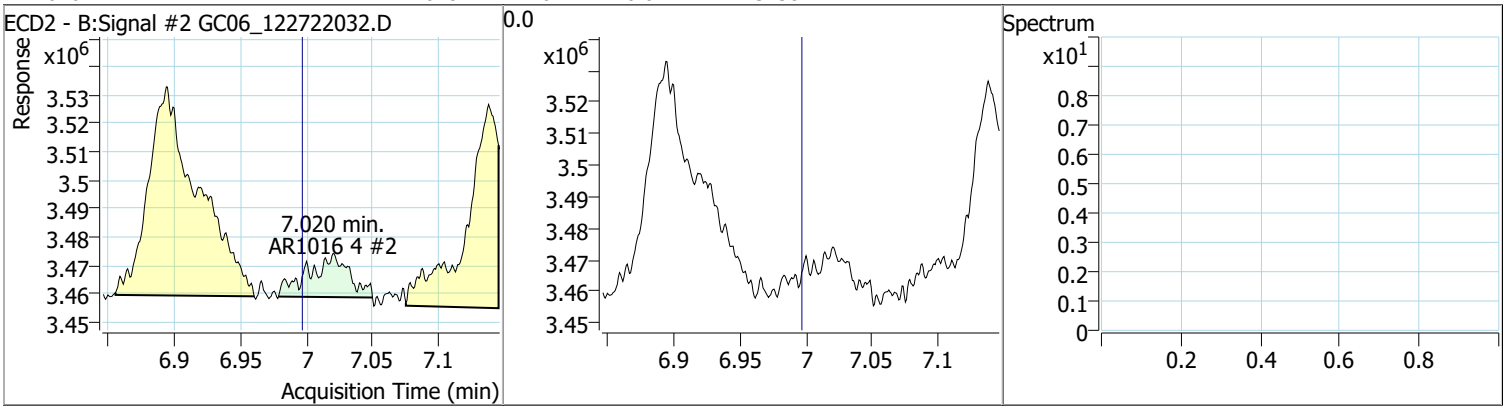
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	139.0633	6.54	-0.13	332115				



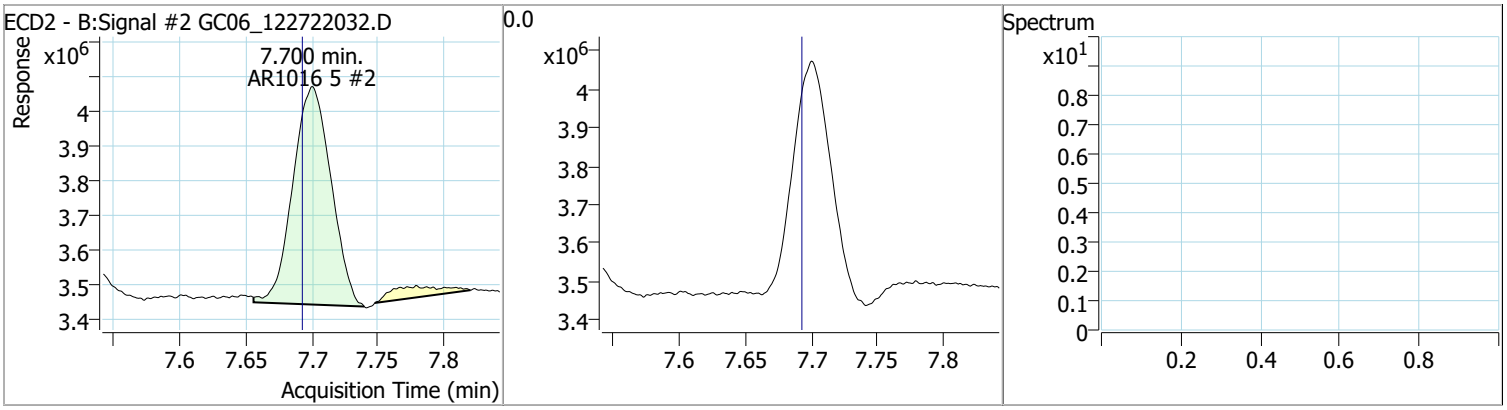
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	168.3477	6.79	-0.02	3467904				



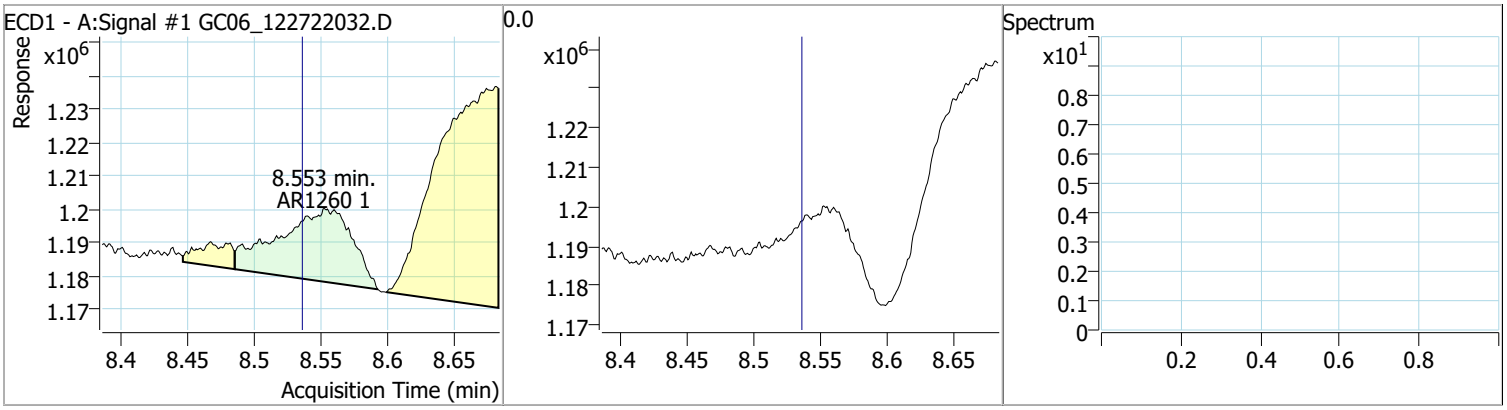
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AR1016 4 #2	2.2018	7.02	0.02	32381				



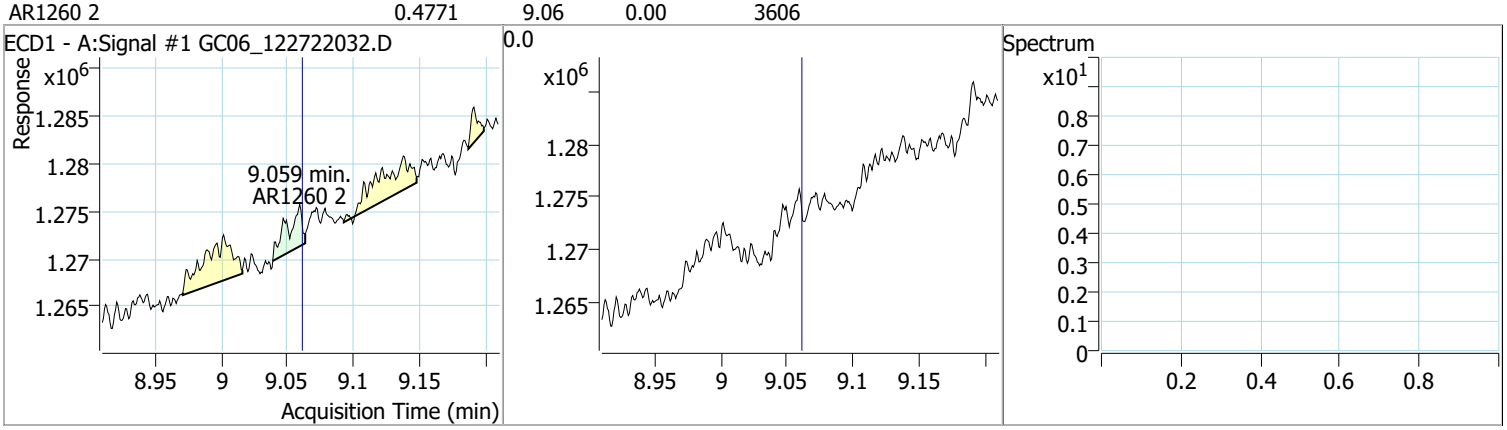
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	105.4599	7.70	0.01	1260659				



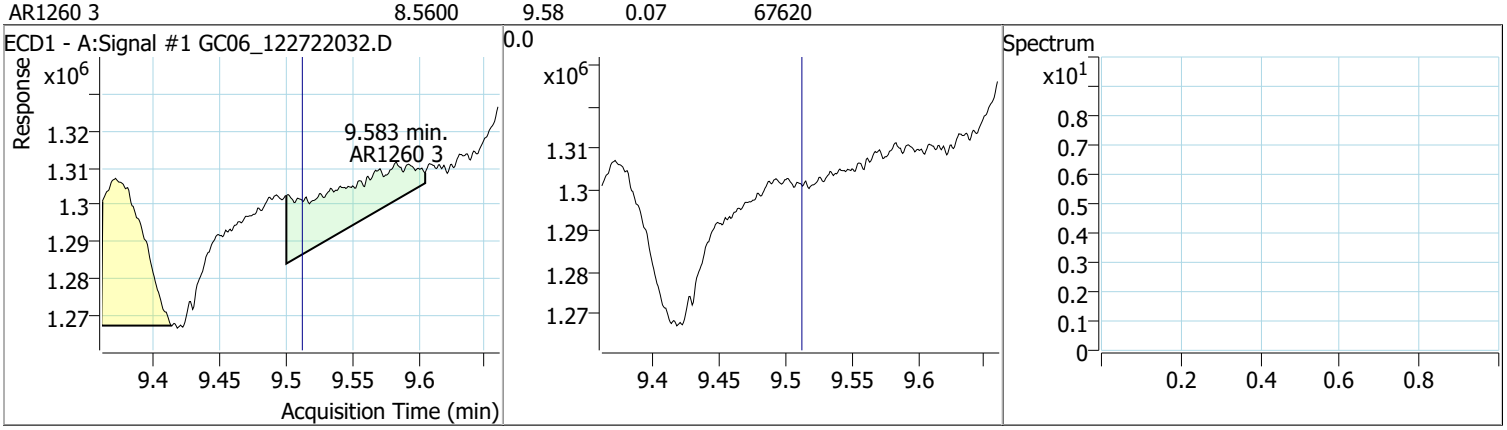
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	16.9137	8.55	0.02	83869				



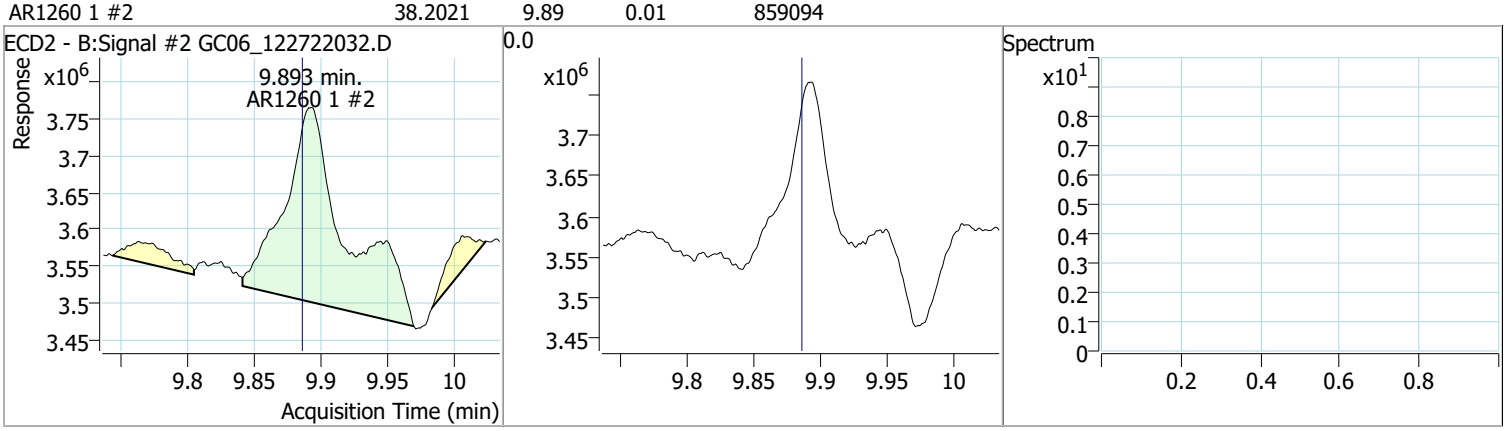
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4771	9.06	0.00	3606				



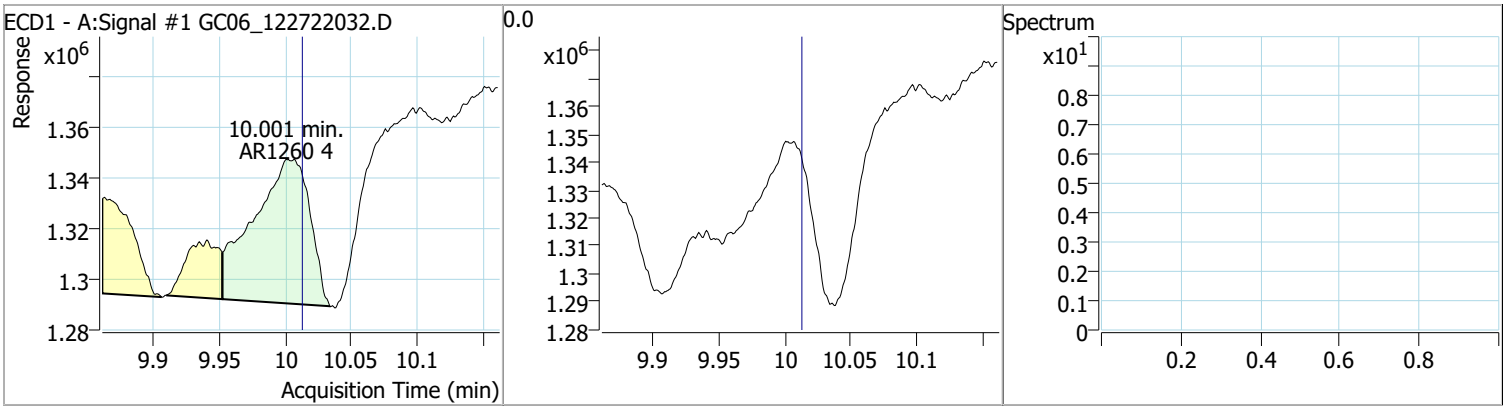
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	8.5600	9.58	0.07	67620				



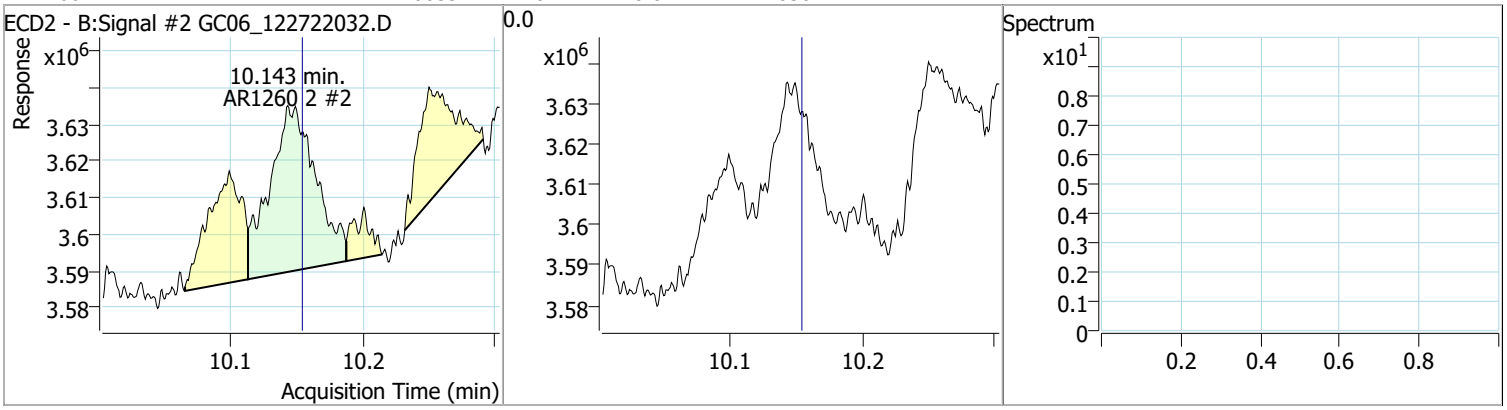
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	38.2021	9.89	0.01	859094				



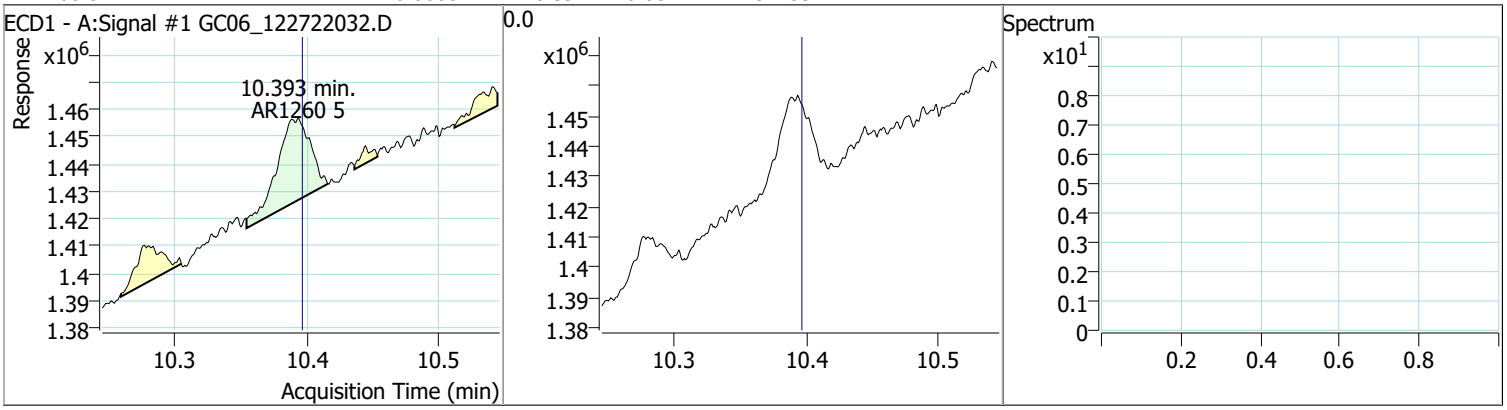
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	25.7358	10.00	-0.01	171802				



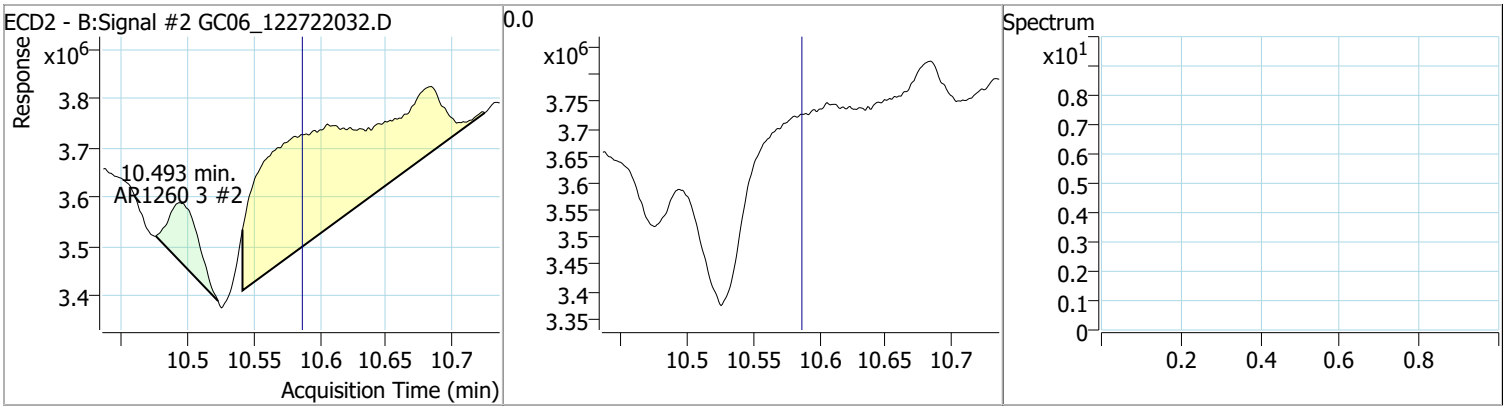
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.0853	10.14	-0.01	110384				



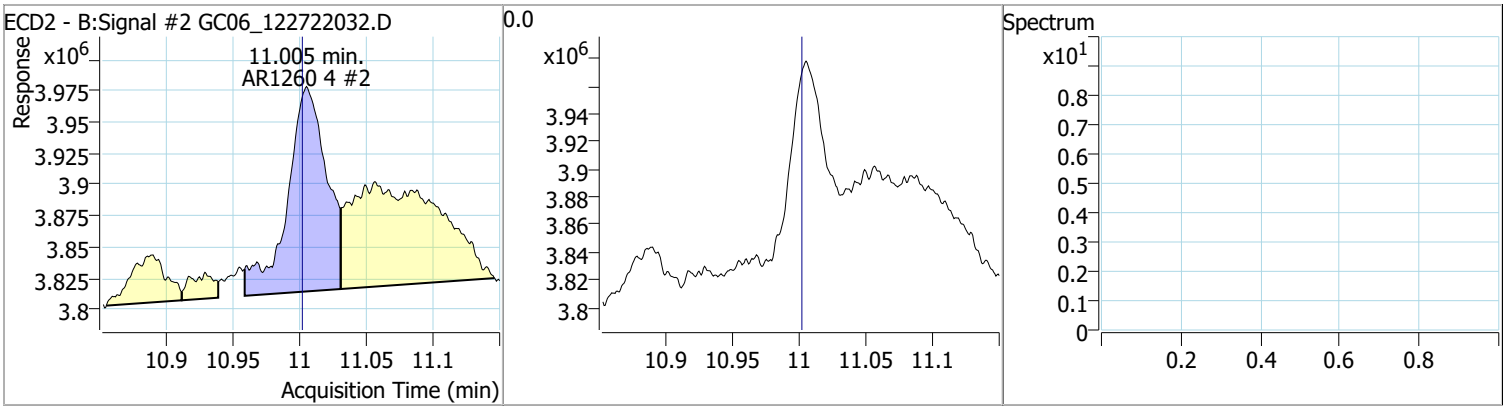
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.39	0.00	54153				



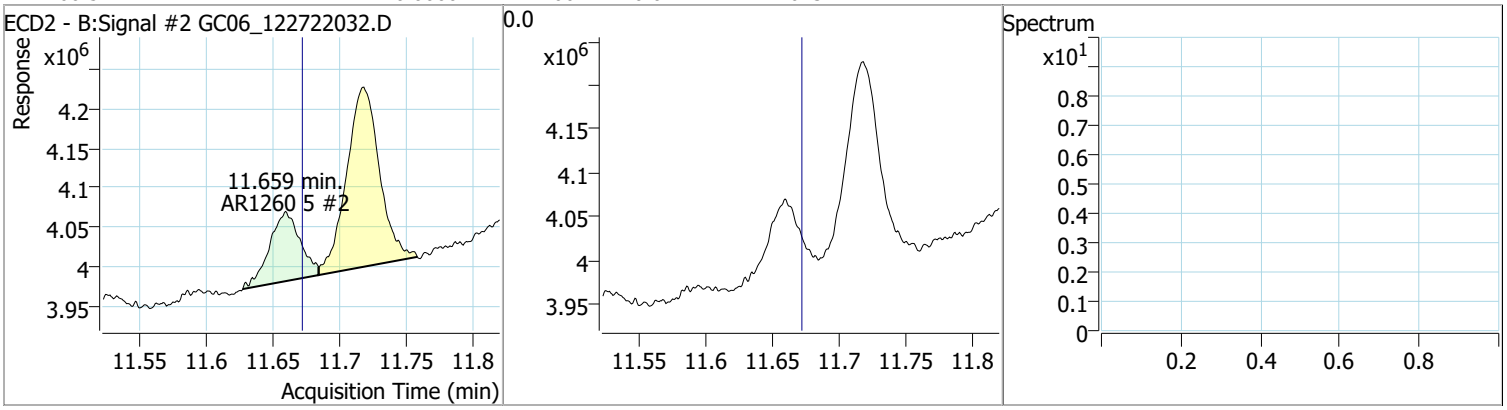
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.5637	10.49	-0.09	190287				



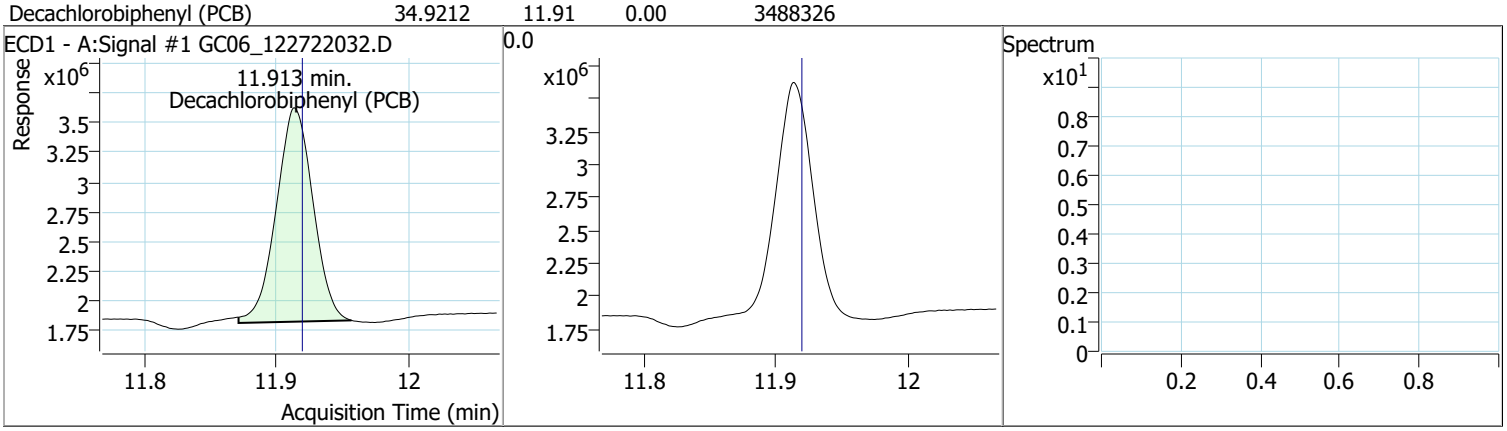
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.01	0.00	337755				



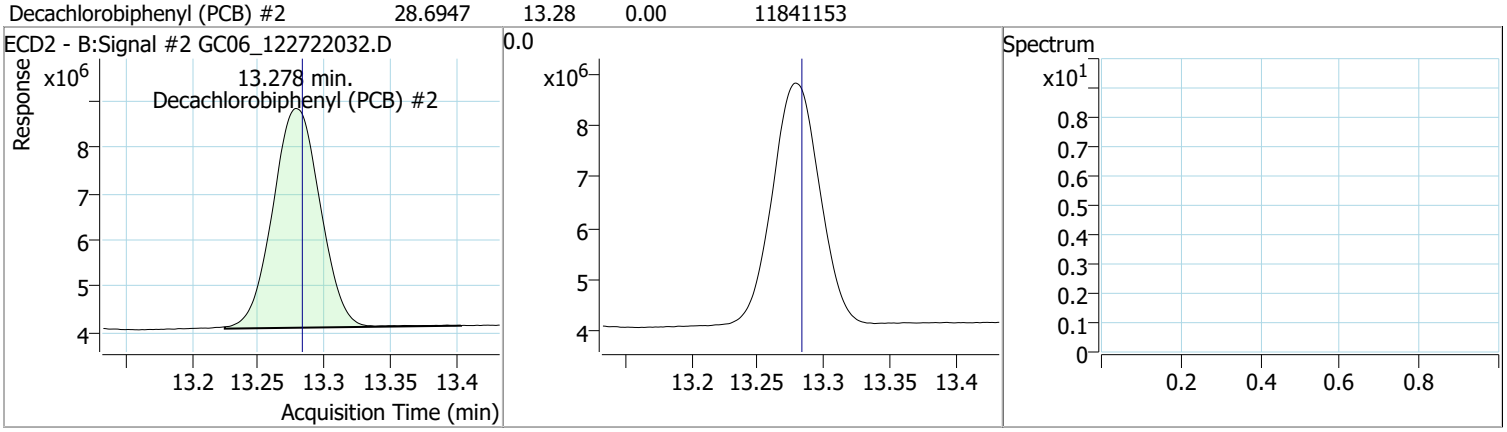
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.66	-0.01	141673				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.9212	11.91	0.00	3488326				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.6947	13.28	0.00	11841153				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 475744 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1034026		
Seqnum:	452520427012.6	Matrix:	Wipe		
File:	gc06_122722012	Batch:	303863	Time:	27-DEC-2022 12:41
Cal:	452428510002	Caldate:	24-OCT-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	54.18	~~0.54~~ ~~FP~~	0.26	70%	0.50	x 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	-0.5055	ND	0.18	212%	0.50	u
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.94	0.5000	0.3694	74	19-121	u
Decachlorobiphenyl (PCB)	B	41.04	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+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_122722004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6120897	4481737	-26.78
1-bromo-2-nitrobenzene (PCB)	A	1313242	908127	-30.85

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

ISTD (CCV gc06_122722004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

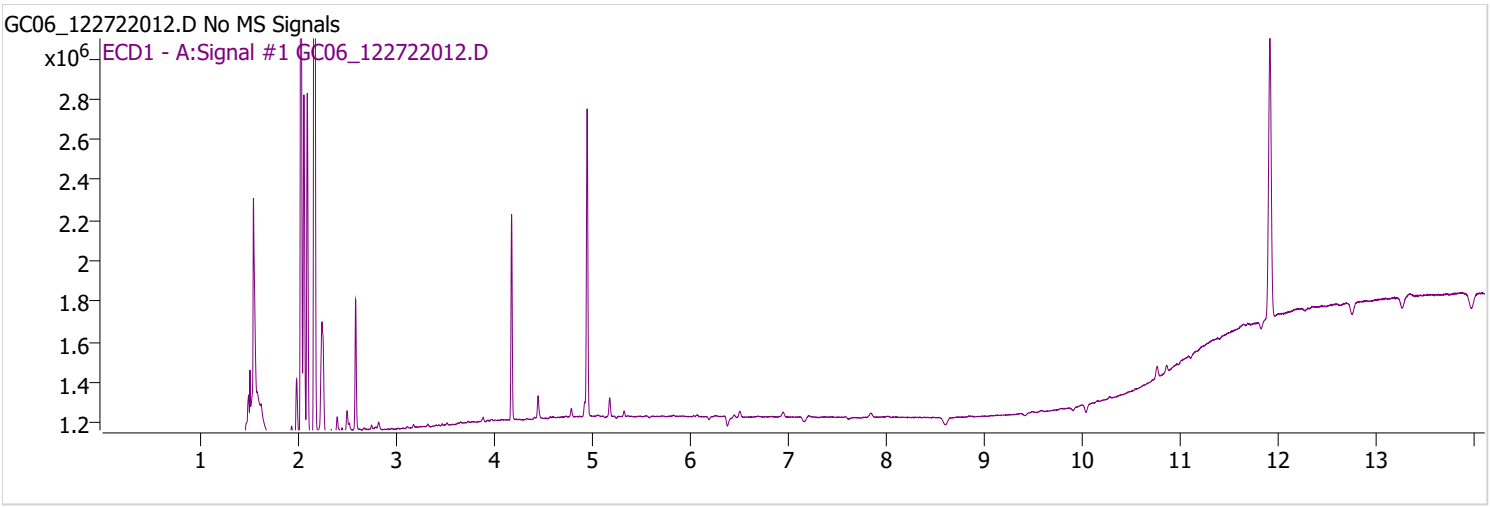
+=high bias c=CCV u=use x=false positive

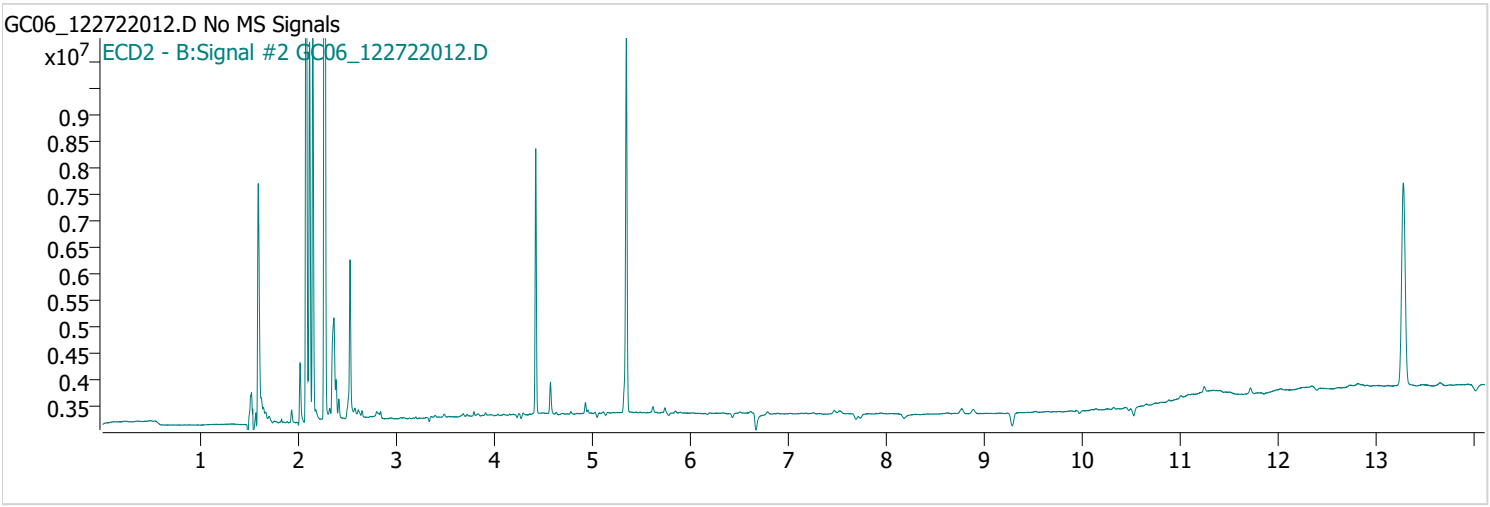
Analyst: MES 12/28/22 *

Reviewer: LW 12/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_122722012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/27/2022 12:41:07 PM
Sample Name	QC1034026, 303863, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_14a.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122722PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



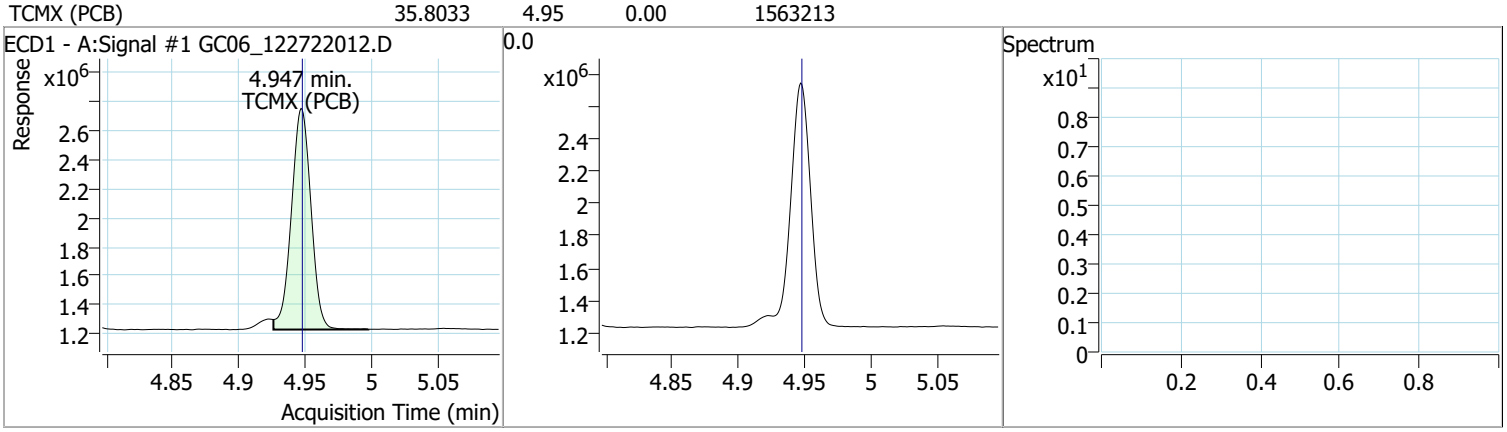


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.176	0.0	908127.156	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.423	0.0	4481736.835	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.947	0.0	1563212.634	35.8033	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.02%		*	
S TCMX (PCB) #2	5.348	0.0	7951794.085	36.9450	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.73%		*	
S Decachlorobiphenyl (PCB)	11.918	0.0	2768823.726	45.9829	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.91%		*	
S Decachlorobiphenyl (PCB) #2	13.282	0.0	9836209.593	41.0359	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.18%		*	
Target Compounds							**QValue**
T AR1016 1	5.323	0.0	62093.415	65.2169	ng/ml		100

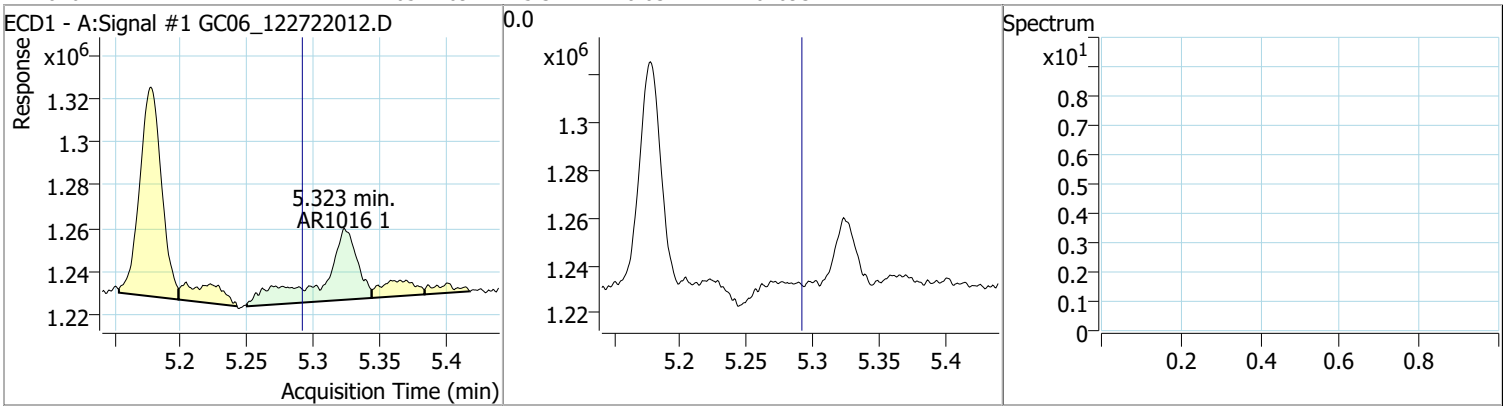
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.623	0.0	9184.362	0.0000	ng/ml	100
T AR1016 1 #2	5.849	0.0	204100.139	43.8174	ng/ml	100
T AR1016 3	6.071	0.0	55160.544	22.8505	ng/ml	100
T AR1016 4	6.263	0.0	89585.556	48.7945	ng/ml	100
T AR1016 2 #2	6.198	0.0	221271.053	32.9077	ng/ml	100
T AR1016 5	6.668	0.0	6630.594	4.4838	ng/ml	100
T AR1016 3 #2	6.790	0.0	2280059.107	186.6218	ng/ml	100
T AR1016 4 #2	6.984	0.0	1693.407	0.1941	ng/ml	100
T AR1016 5 #2	7.715	0.0	52336.963	7.3820	ng/ml	100
T AR1260 1	8.478	0.0	148906.962	48.4976	ng/ml	100
T AR1260 2	9.059	0.0	1617.528	0.3456	ng/ml	100
T AR1260 3	9.501	0.0	50827.441	10.3911	ng/ml	100
T AR1260 1 #2	9.891	0.0	164405.996	12.3265	ng/ml	100
T AR1260 4	10.000	0.0	157710.624	45.6041	ng/ml	100
T AR1260 2 #2	10.144	0.0	64796.627	4.0434	ng/ml	100
T AR1260 5	10.279	0.0	11502.372	0.0000	ng/ml	100
T AR1260 3 #2	10.499	0.0	126548.298	6.2386	ng/ml	100
T AR1260 4 #2	11.008	0.0	67926.140	0.0000	ng/ml	100
T AR1260 5 #2	11.722	0.0	186794.650	0.0000	ng/ml	100

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

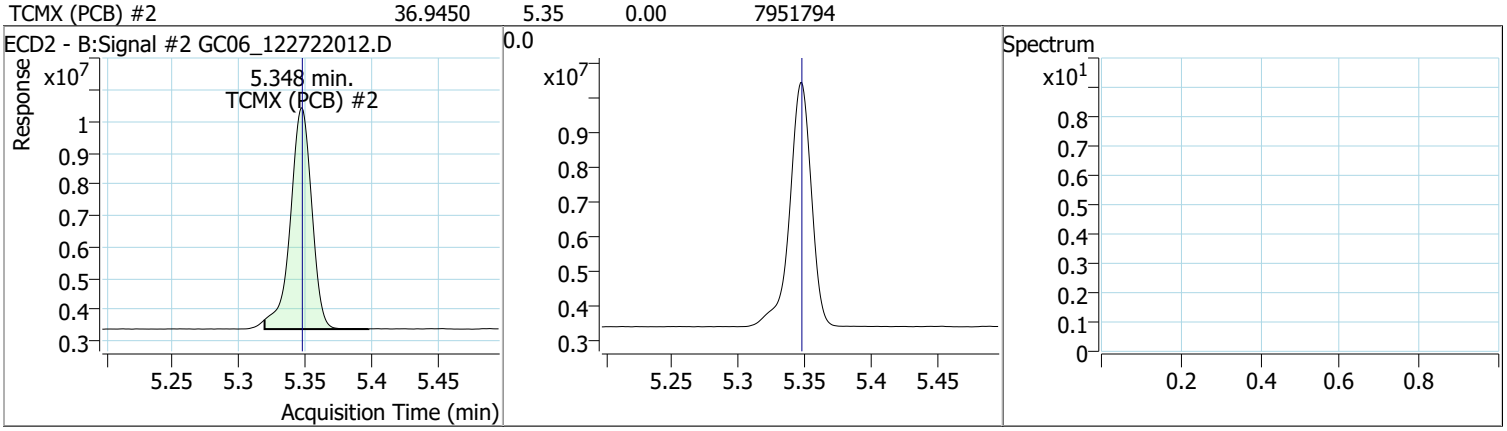
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.8033	4.95	0.00	1563213				



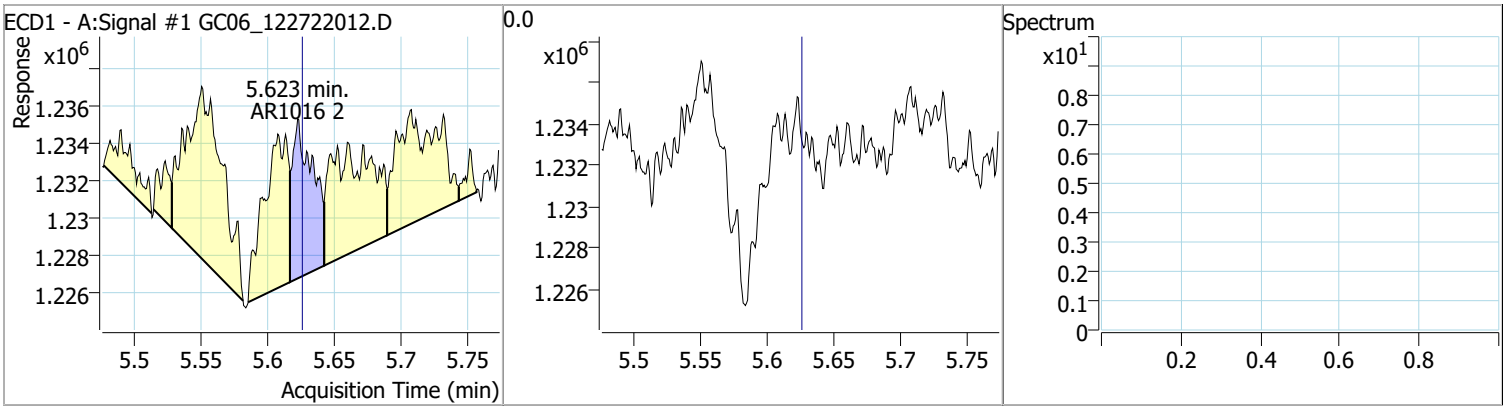
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	65.2169	5.32	0.03	62093				



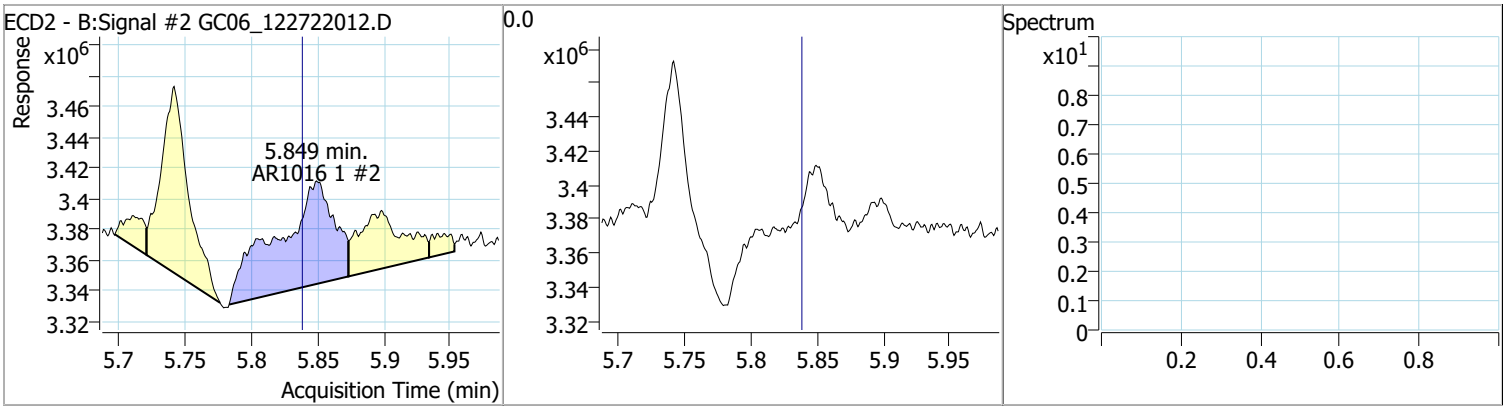
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.9450	5.35	0.00	7951794				



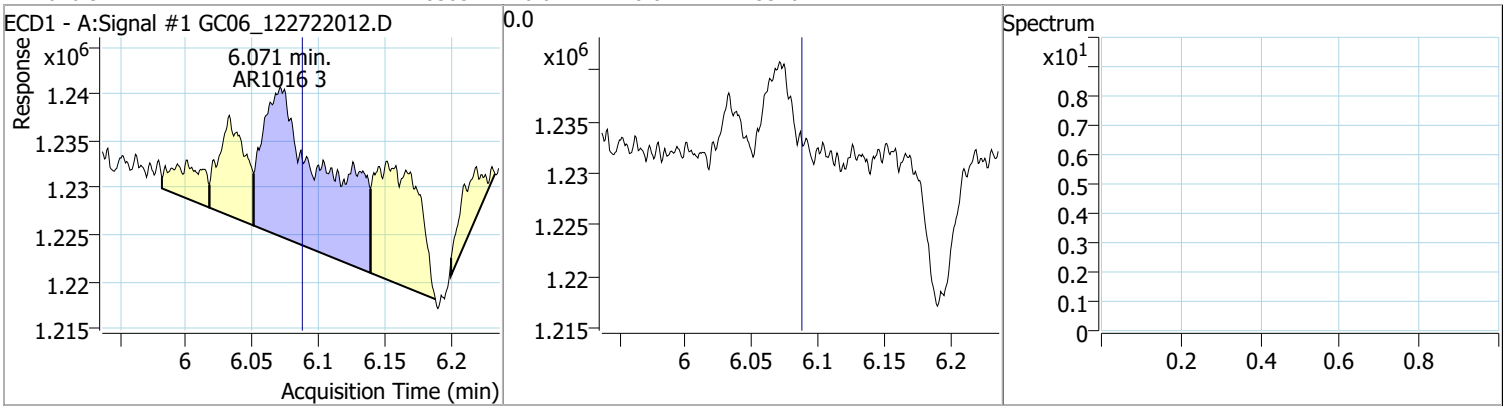
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.62	0.00	9184				



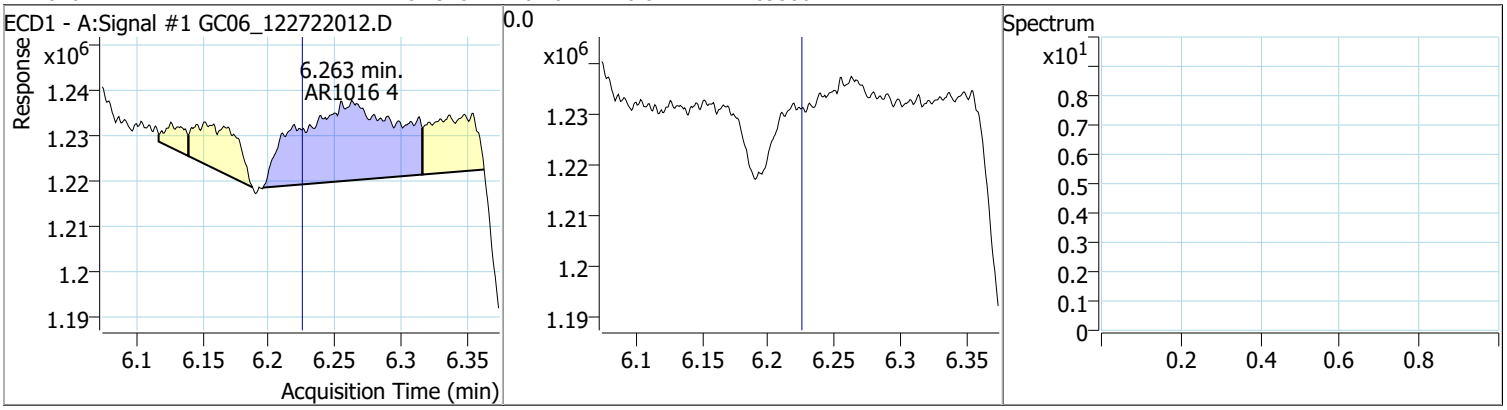
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	43.8174	5.85	0.01	204100				



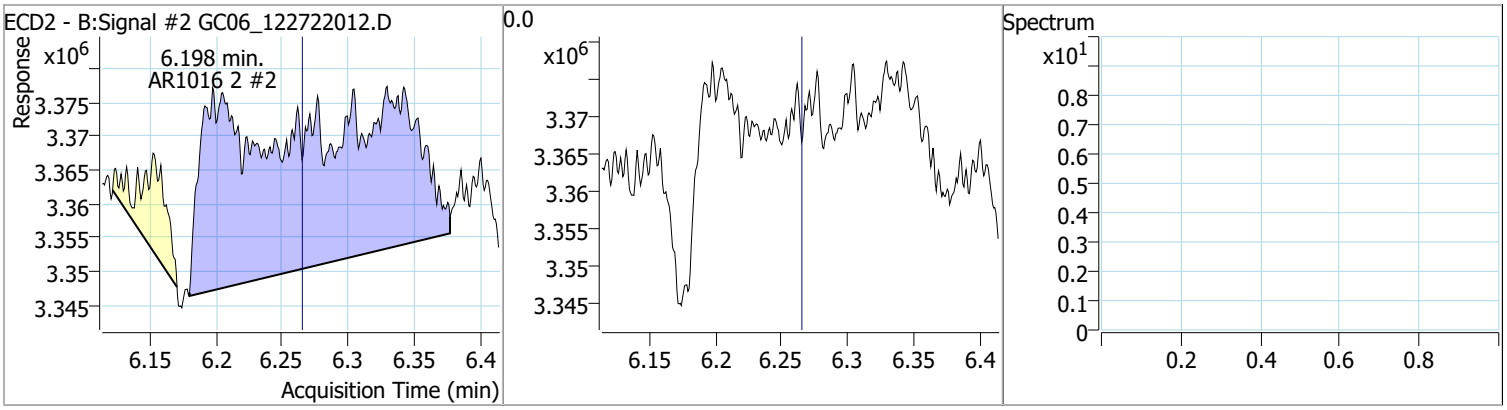
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	22.8505	6.07	-0.02	55161				



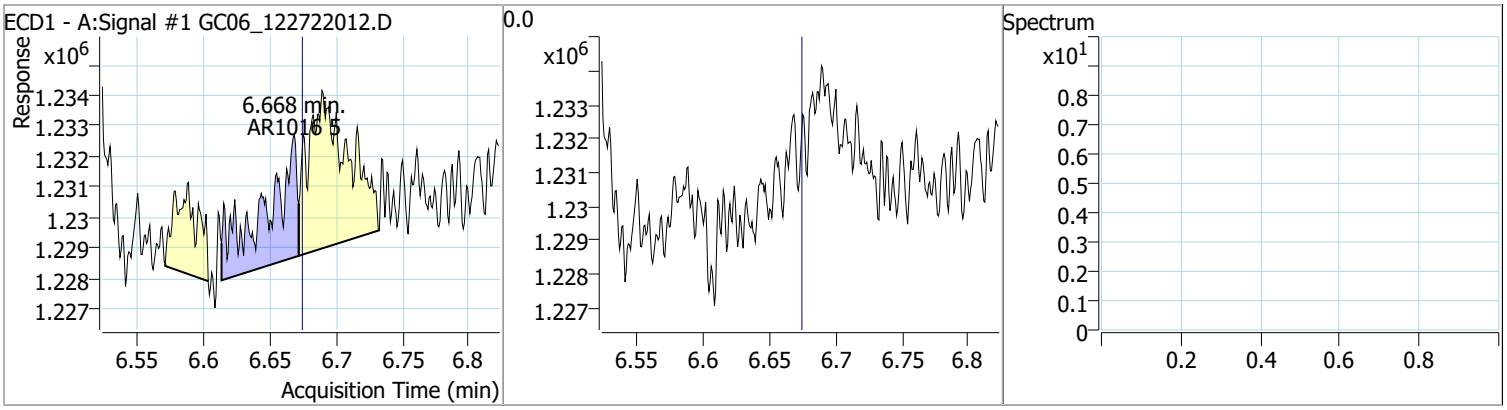
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	48.7945	6.26	0.04	89586				



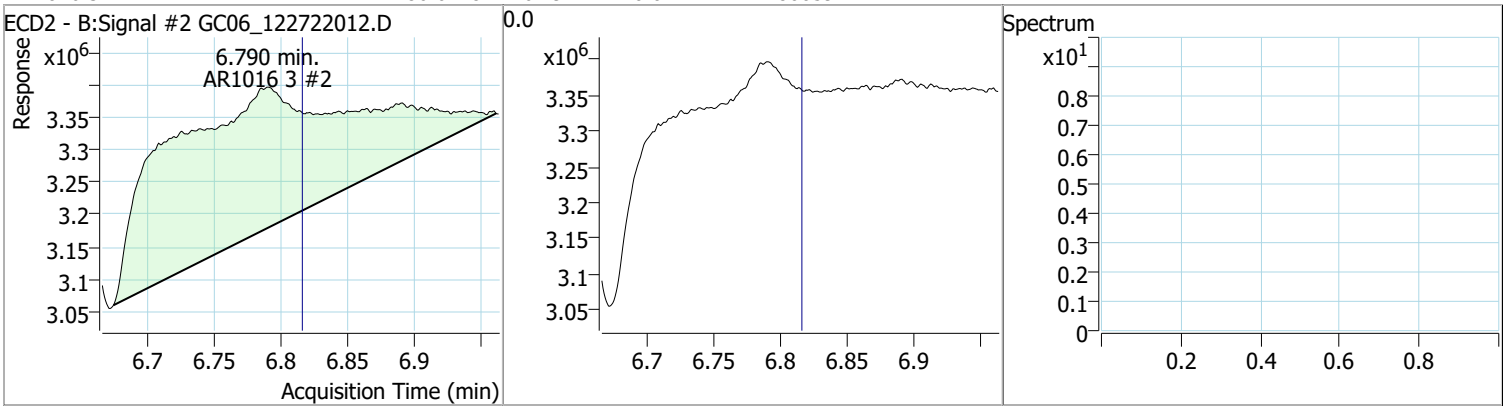
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	32.9077	6.20	-0.07	221271				



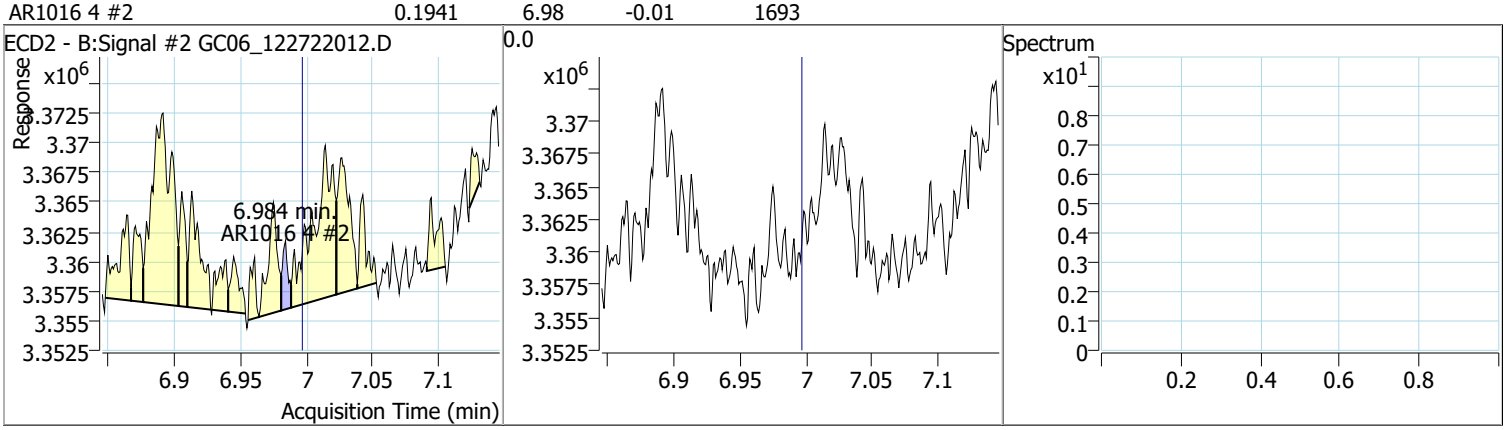
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.4838	6.67	0.00	6631				



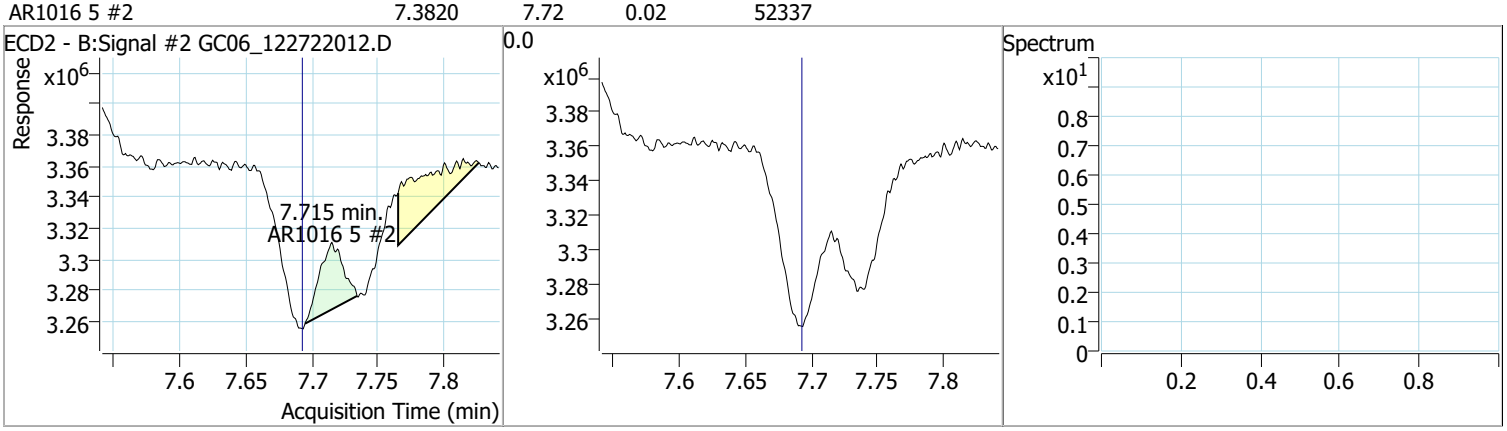
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	186.6218	6.79	-0.02	2280059				



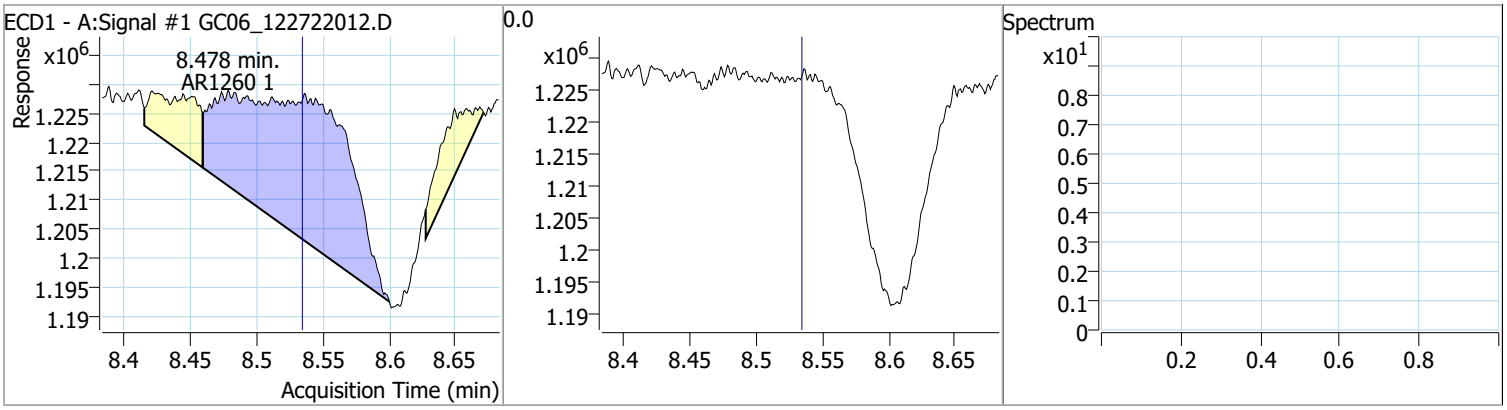
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1941	6.98	-0.01	1693				



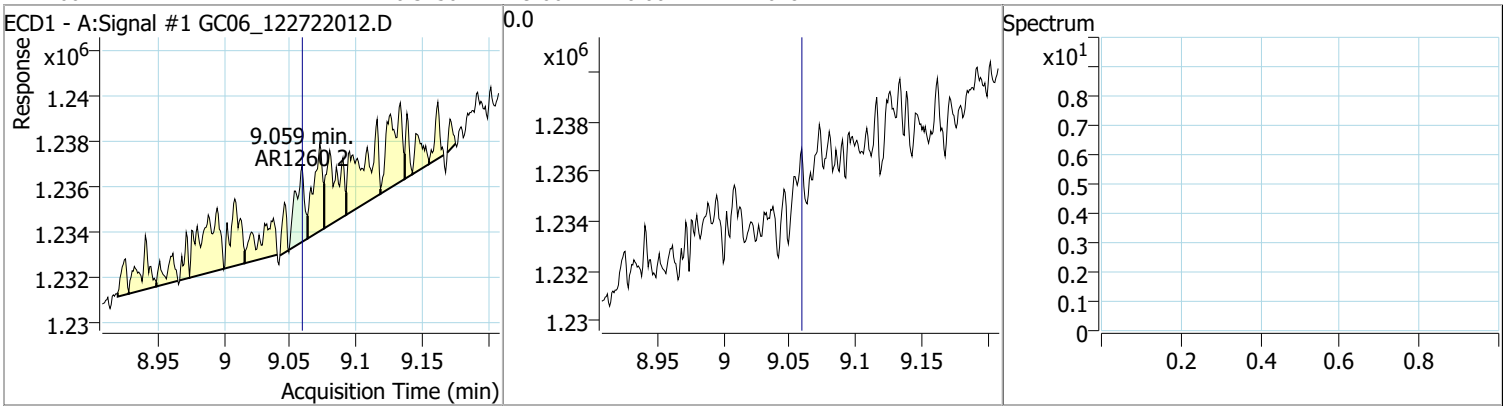
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	7.3820	7.72	0.02	52337				



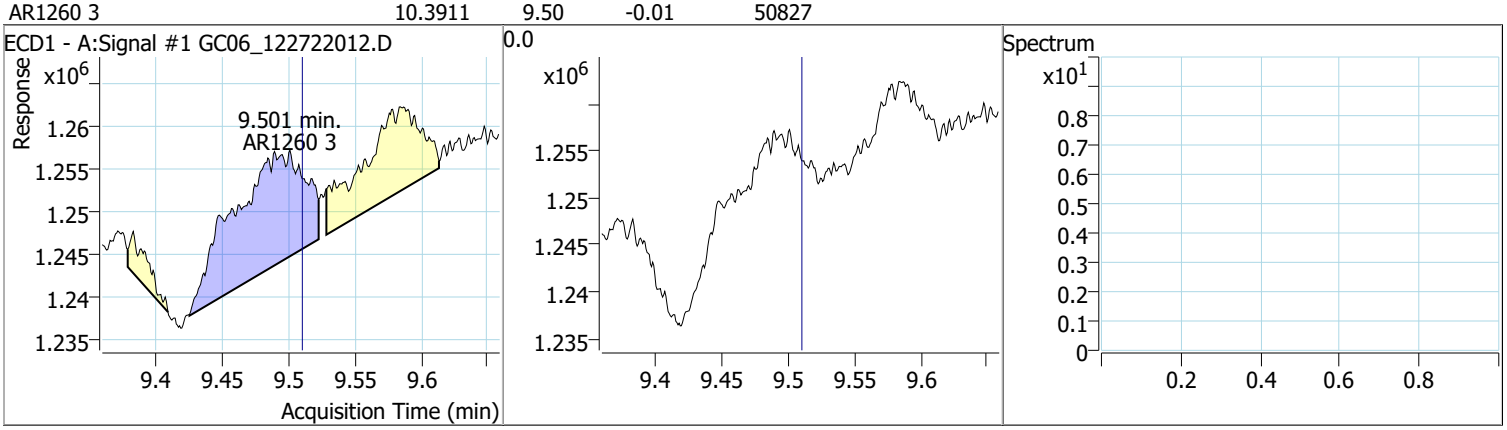
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	48.4976	8.48	-0.05	148907				



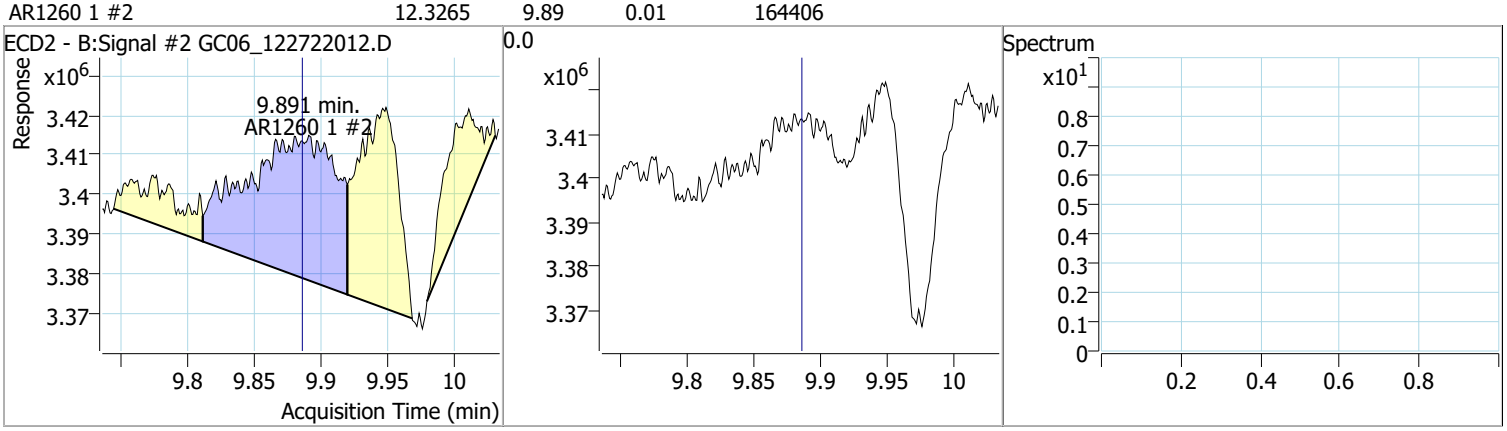
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3456	9.06	0.00	1618				



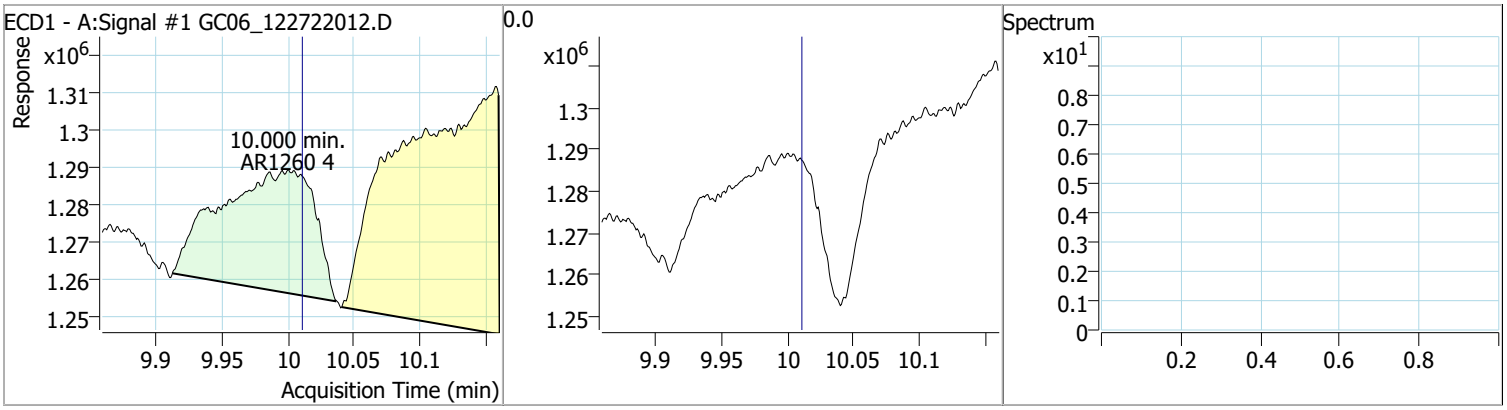
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	10.3911	9.50	-0.01	50827				



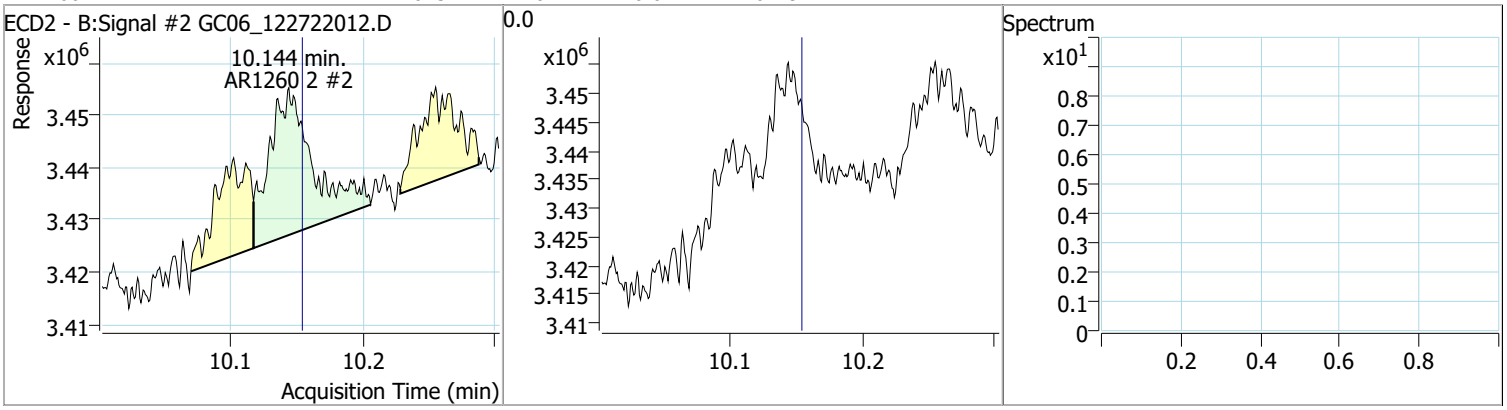
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	12.3265	9.89	0.01	164406				



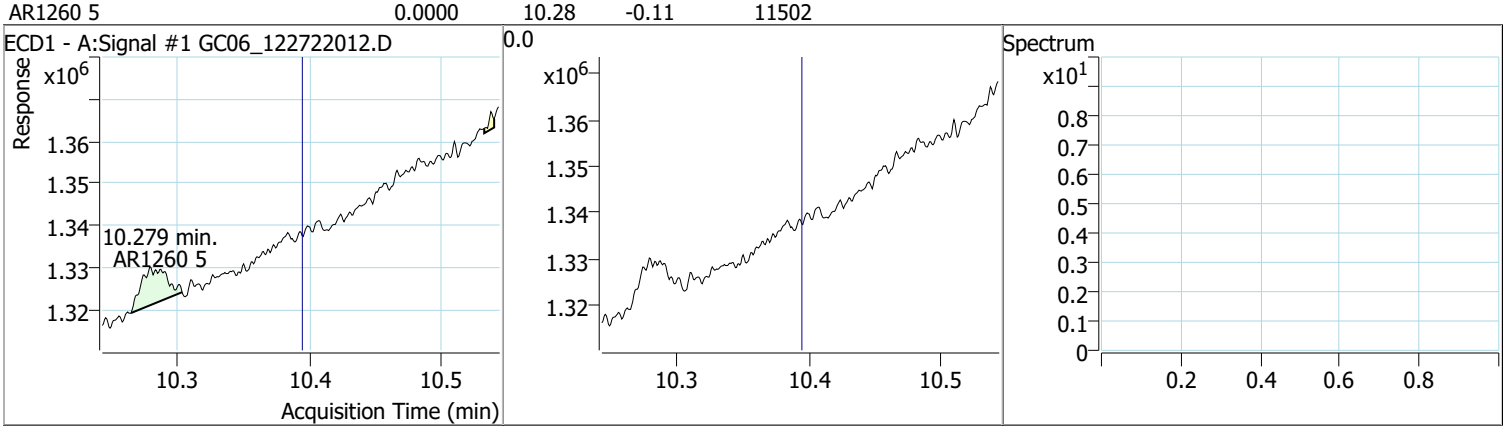
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	45.6041	10.00	-0.01	157711				



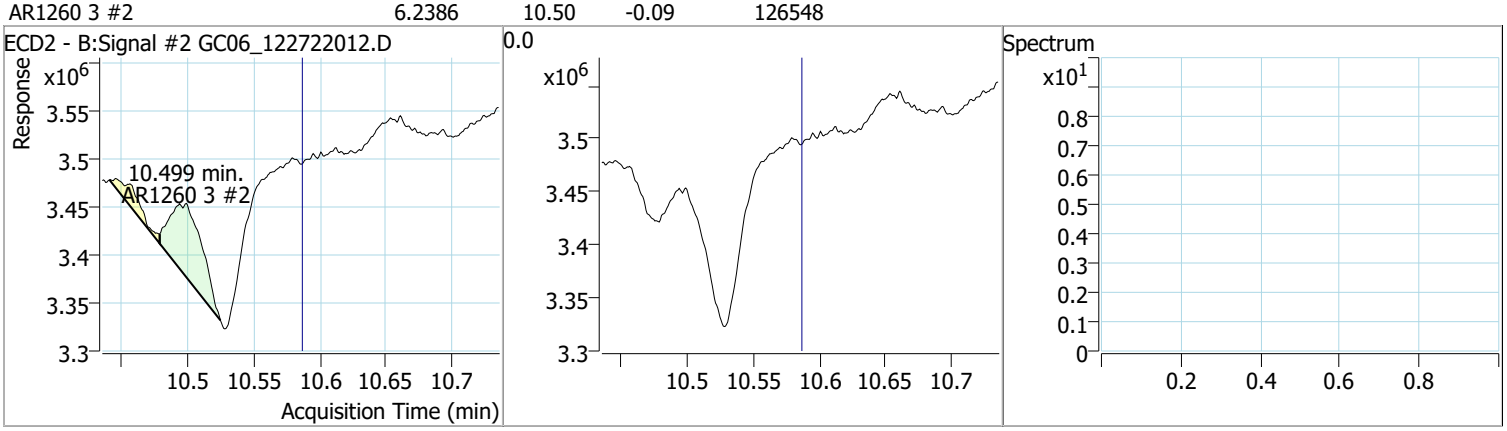
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.0434	10.14	-0.01	64797				



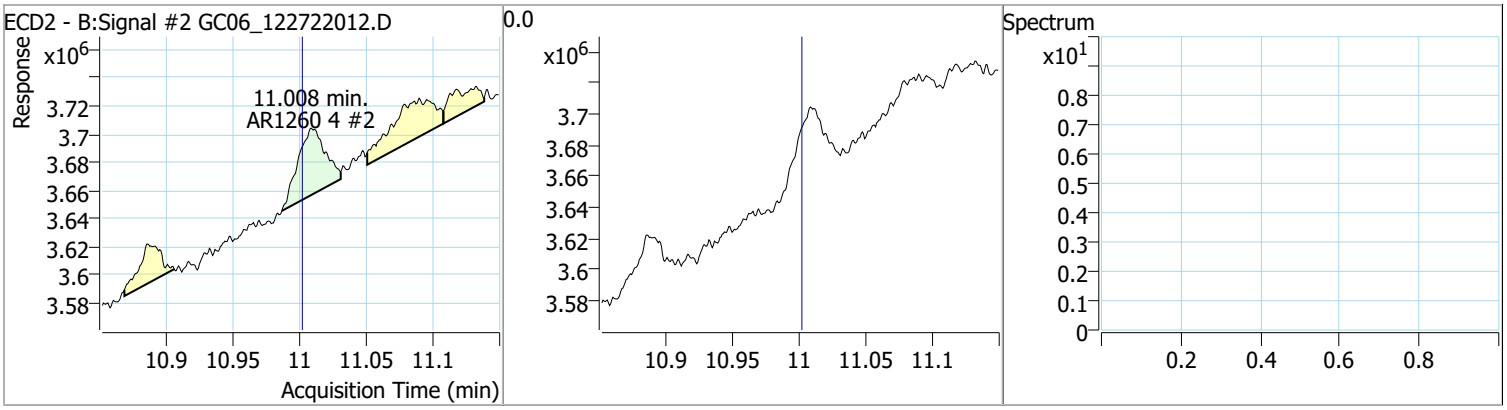
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.28	-0.11	11502				



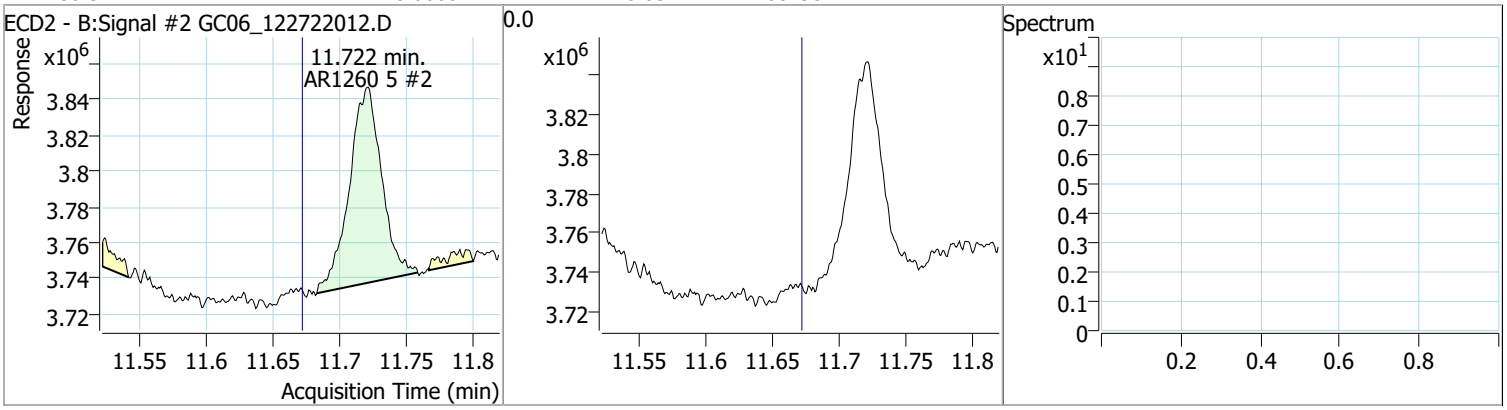
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.2386	10.50	-0.09	126548				



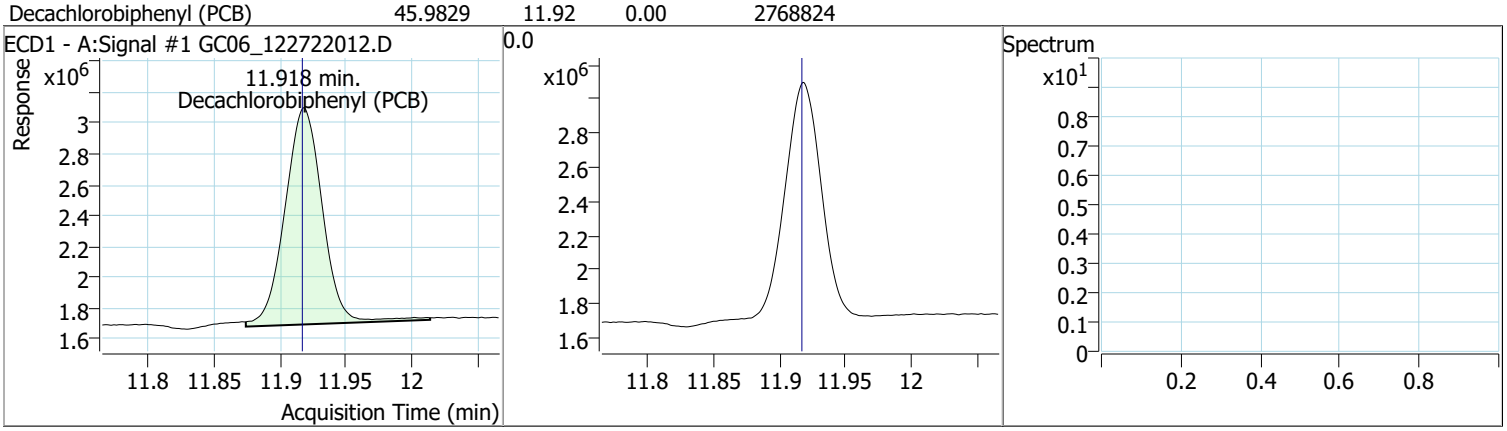
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.01	0.01	67926				



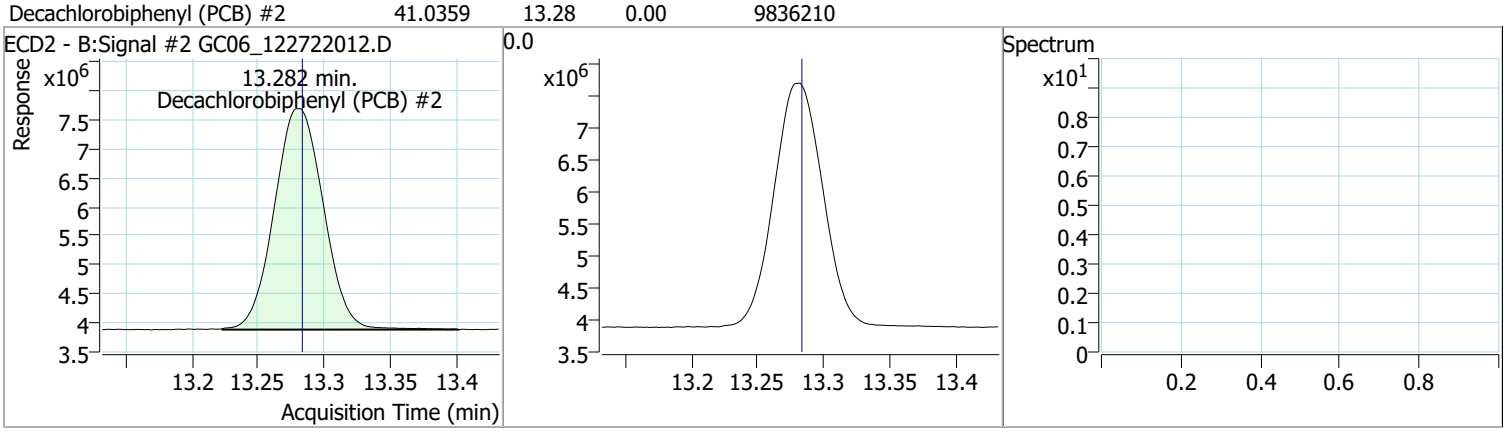
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.72	0.05	186795				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.9829	11.92	0.00	2768824				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.0359	13.28	0.00	9836210				



ENTHALPY SPIKE USER REPORT FOR 475744 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452520427013.6	Seqnum:	452520427014.6
File:	gc06_122722013	File:	gc06_122722014
IDF:	1.0	IDF:	1.0
Lab ID:	QC1034027	Lab ID:	QC1034028
Matrix:	Wipe	Matrix:	Wipe
Batch:	303863	Batch:	303863
Time:	27-DEC-2022 12:59	Time:	27-DEC-2022 13:17
Cal:	452428510002	Cal:	452428510002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	450.2	4.502	B	90	519.8	5.198	B	104	60-140	14	20	u
Aroclor-1016 Peak # 1		415.4	4.154	B		475.0	4.750	B					
Aroclor-1016 Peak # 2		619.2	6.192	B		705.0	7.050	B					
Aroclor-1016 Peak # 3		408.1	4.081	B		480.1	4.801	B					
Aroclor-1016 Peak # 4		428.3	4.283	B		480.4	4.804	B					
Aroclor-1016 Peak # 5		380.0	3.800	B		458.4	4.584	B					
Aroclor-1260	5.000	419.9	4.199	B	84	489.5	4.895	B	98	60-140	15	20	u
Aroclor-1260 Peak # 1		428.5	4.285	B		539.3	5.393	B					
Aroclor-1260 Peak # 2		422.8	4.228	B		480.0	4.800	B					
Aroclor-1260 Peak # 3		420.7	4.207	B		479.7	4.797	B					
Aroclor-1260 Peak # 4		424.1	4.241	B		471.7	4.717	B					
Aroclor-1260 Peak # 5		403.4	4.034	B		476.6	4.766	B					
Surrogates													
TCMX (PCB)	0.5000	41.25	0.4125	B	82	47.88	0.4788	B	96	19-121			u
Decachlorobiphenyl (PCB)	0.5000	37.82	0.3782	B	76	46.86	0.4686	B	94	19-121			c+ u

ISTD (CCV gc06_122722004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6120897	5264933	-13.98
1-bromo-2-nitrobenzene (PCB)	A	1313242	1069699	-18.55

ISTD (CCV gc06_122722004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

ISTD (CCV gc06_122722004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6120897	5397375	-11.82
1-bromo-2-nitrobenzene (PCB)	A	1313242	1120827	-14.65

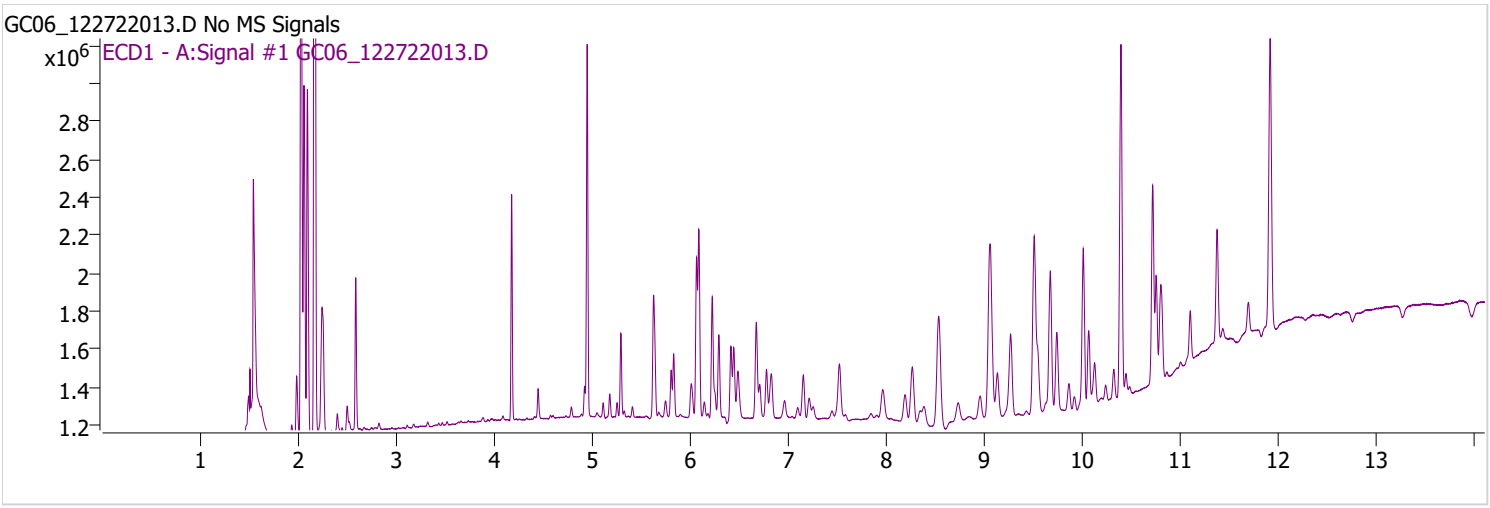
ISTD (CCV gc06_122722004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.18	4.18	0.00

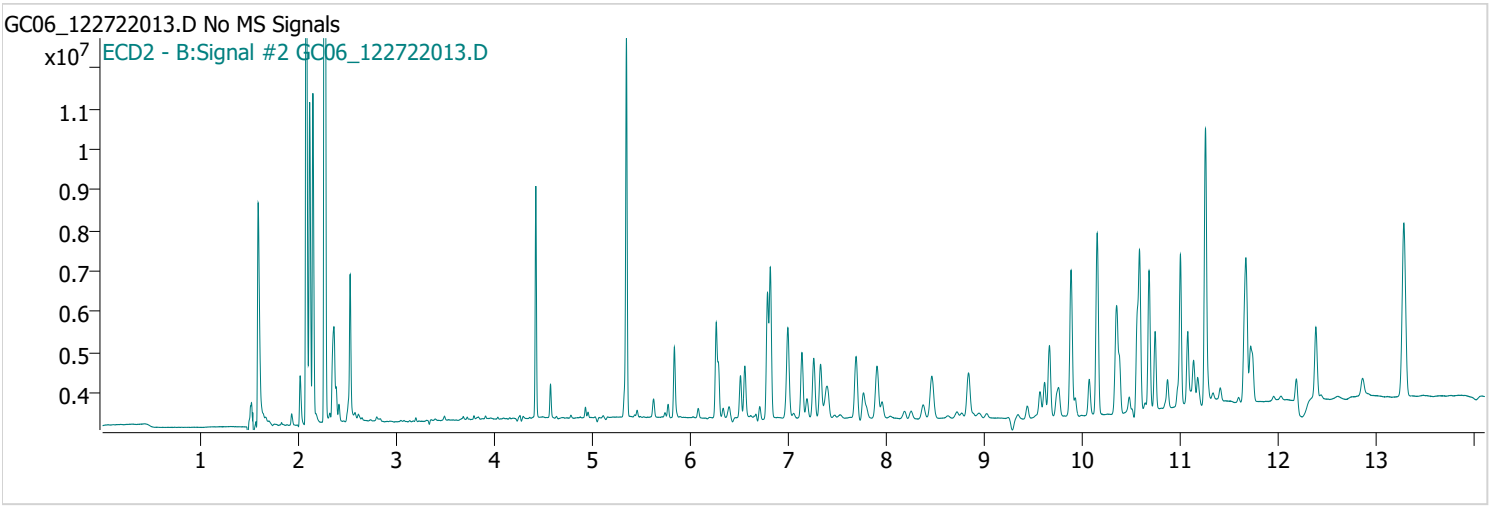
Analyst: MES 12/28/22 *

Reviewer: LW 12/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_122722013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/27/2022 12:59:32 PM
Sample Name	QC1034027, 303863, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_14a.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122722PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



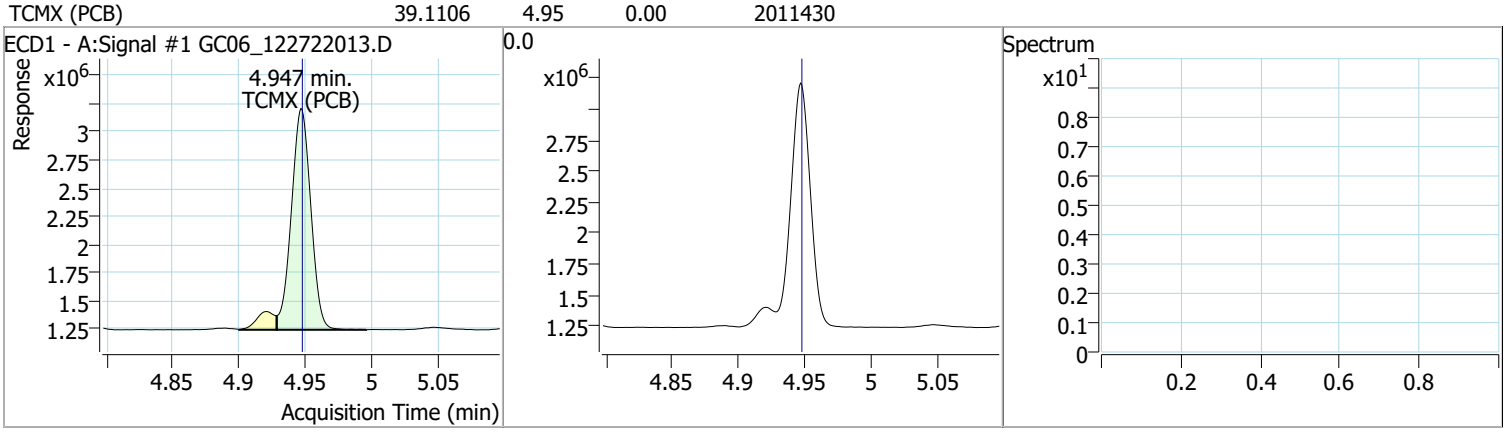


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.176	0.0	1069699.431	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.423	0.0	5264932.981	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.947	0.0	2011429.698	39.1106	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.55%		*	
S TCMX (PCB) #2	5.348	0.0	10429483.507	41.2484	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.24%		*	
S Decachlorobiphenyl (PCB)	11.918	0.0	2953315.874	41.2302	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.15%		*	
S Decachlorobiphenyl (PCB) #2	13.283	0.0	10693100.645	37.8170	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.08%		*	
Target Compounds							QValue

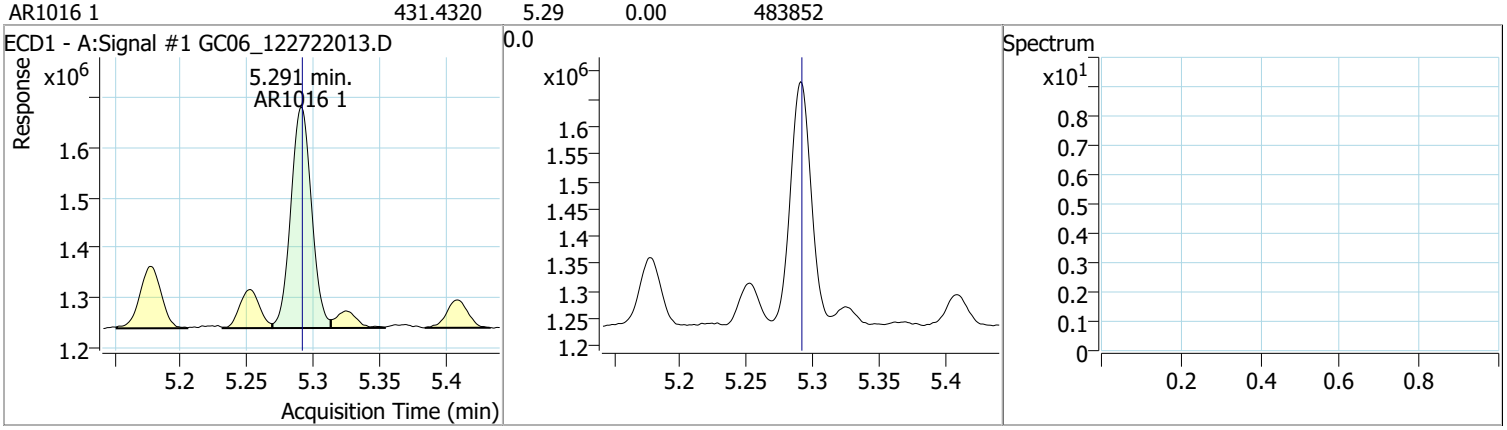
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.291	0.0	483852.267	431.4320	ng/ml	100
T AR1016 2	5.625	0.0	1064335.121	461.9041	ng/ml	100
T AR1016 1 #2	5.837	0.0	2273077.076	415.4046	ng/ml	100
T AR1016 3	6.086	0.0	1305734.982	459.2056	ng/ml	100
T AR1016 4	6.223	0.0	1056201.865	488.3878	ng/ml	100
T AR1016 2 #2	6.264	0.0	4891327.852	619.2320	ng/ml	100
T AR1016 5	6.673	0.0	794869.060	456.3221	ng/ml	100
T AR1016 3 #2	6.816	0.0	5857719.567	408.1299	ng/ml	100
T AR1016 4 #2	6.995	0.0	4389033.038	428.3471	ng/ml	100
T AR1016 5 #2	7.692	0.0	3164926.653	379.9996	ng/ml	100
T AR1260 1	8.534	0.0	1608093.024	444.6329	ng/ml	100
T AR1260 2	9.059	0.0	2502464.556	453.9656	ng/ml	100
T AR1260 3	9.510	0.0	2600914.150	451.4129	ng/ml	100
T AR1260 1 #2	9.886	0.0	6713395.368	428.4679	ng/ml	100
T AR1260 4	10.010	0.0	1483568.411	472.0640	ng/ml	100
T AR1260 2 #2	10.153	0.0	7959733.157	422.8074	ng/ml	100
T AR1260 5	10.395	0.0	3152040.345	473.3080	ng/ml	100
T AR1260 3 #2	10.584	0.0	10025419.265	420.7153	ng/ml	100
T AR1260 4 #2	11.002	0.0	5856249.808	424.1151	ng/ml	100
T AR1260 5 #2	11.670	0.0	8358267.498	403.4071	ng/ml	100

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

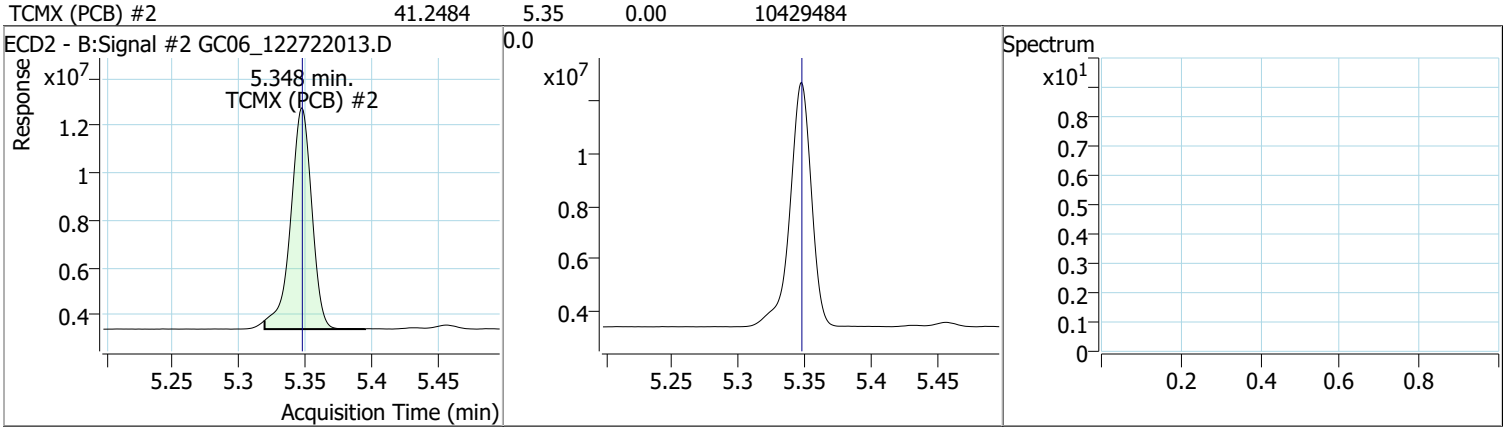
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.1106	4.95	0.00	2011430				



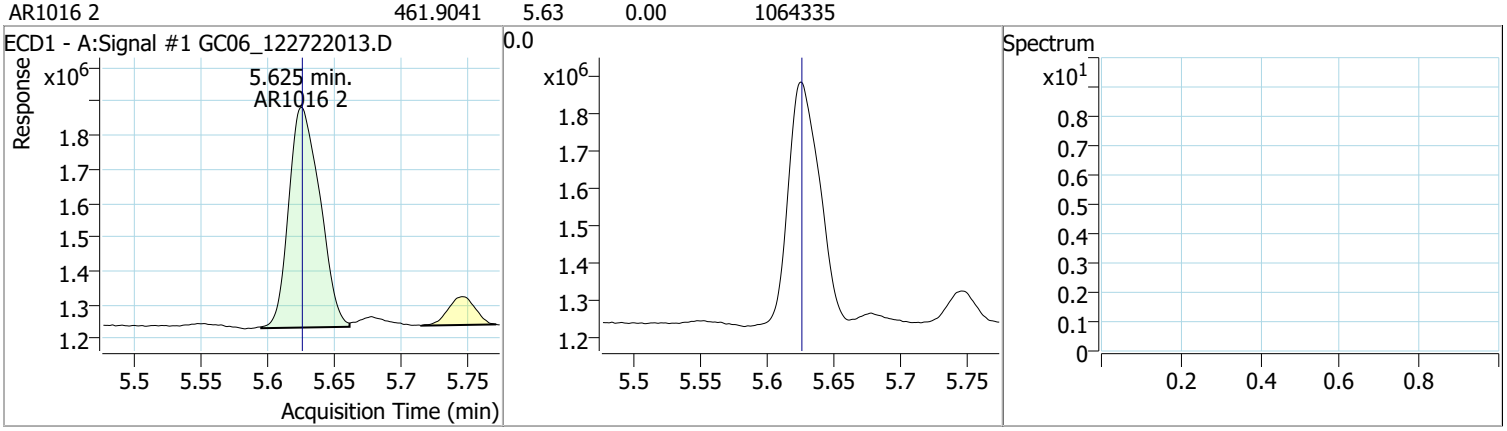
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	431.4320	5.29	0.00	483852				



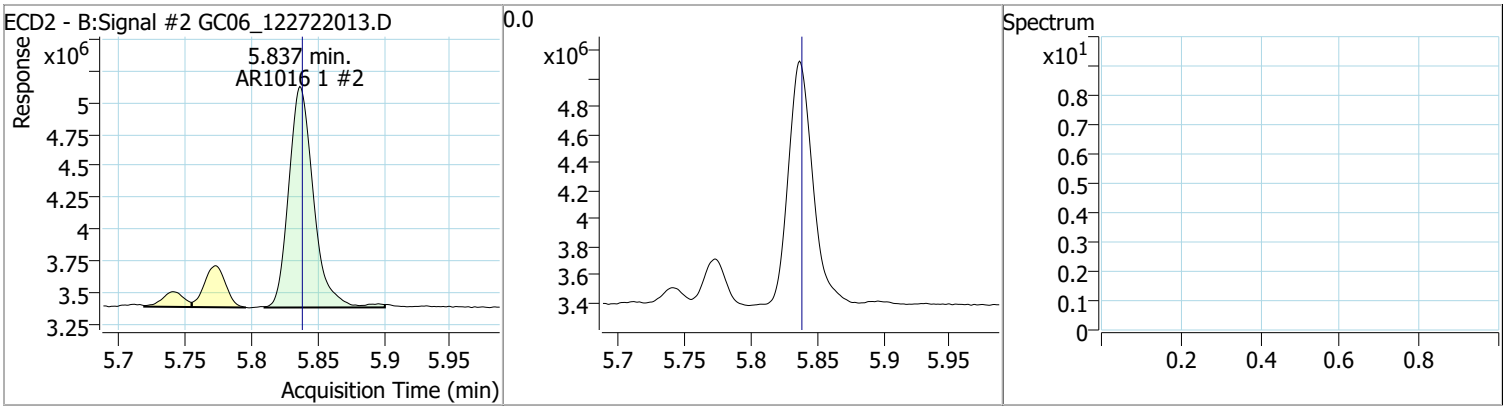
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.2484	5.35	0.00	10429484				



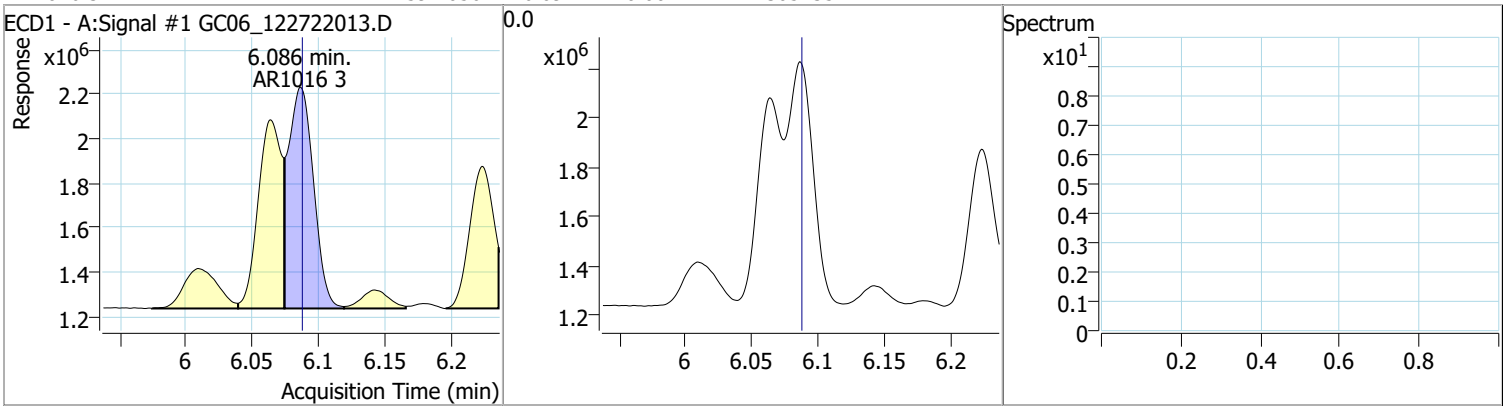
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	461.9041	5.63	0.00	1064335				



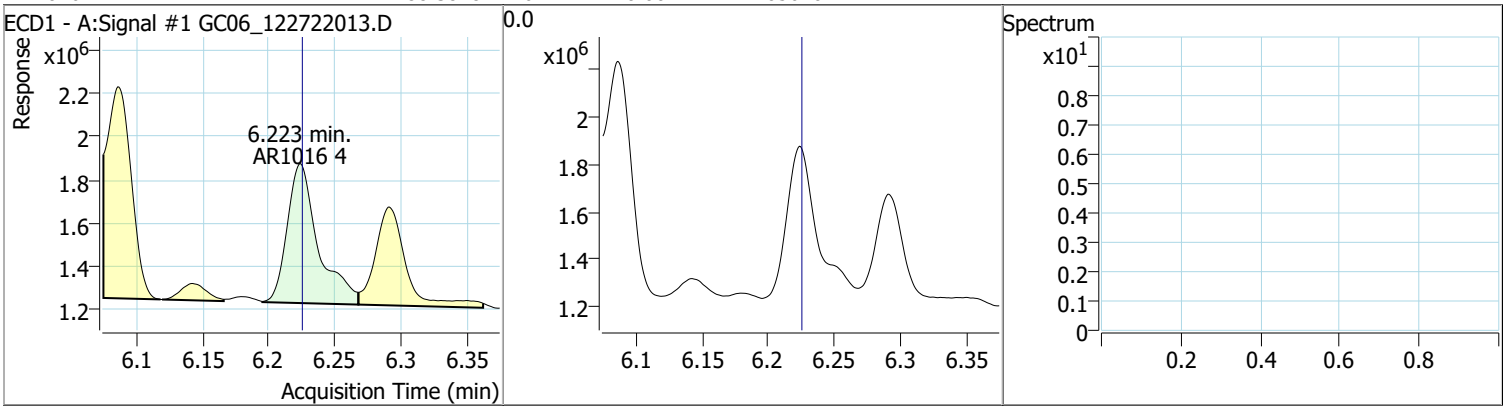
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	415.4046	5.84	0.00	2273077				



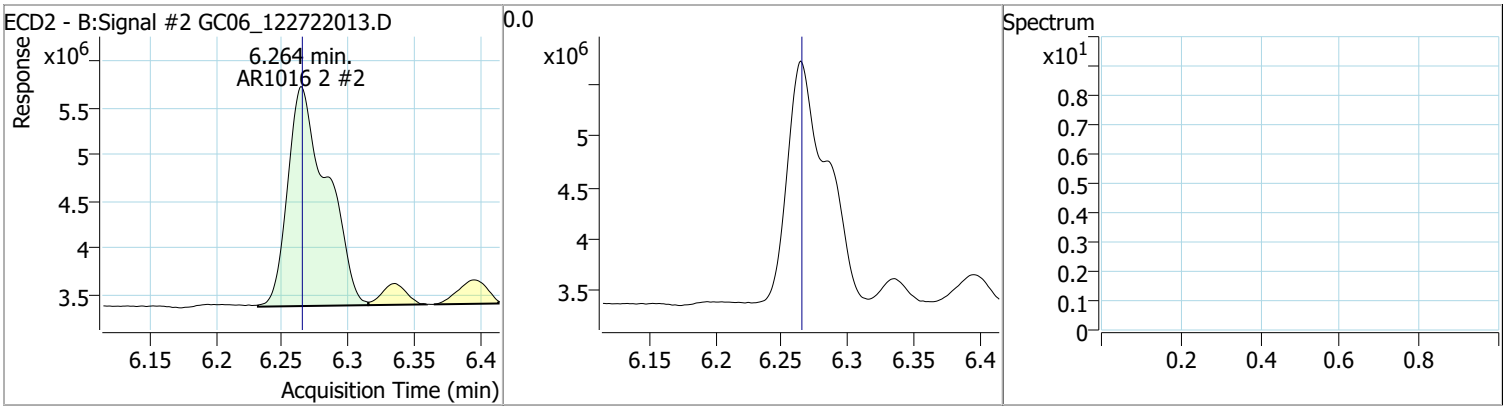
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	459.2056	6.09	0.00	1305735				



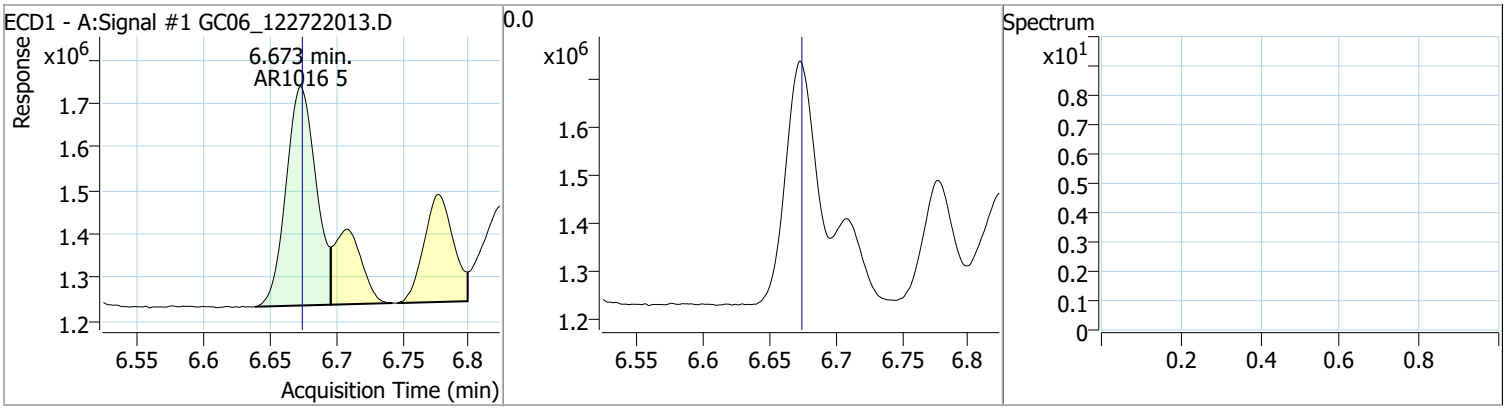
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	488.3878	6.22	0.00	1056202				



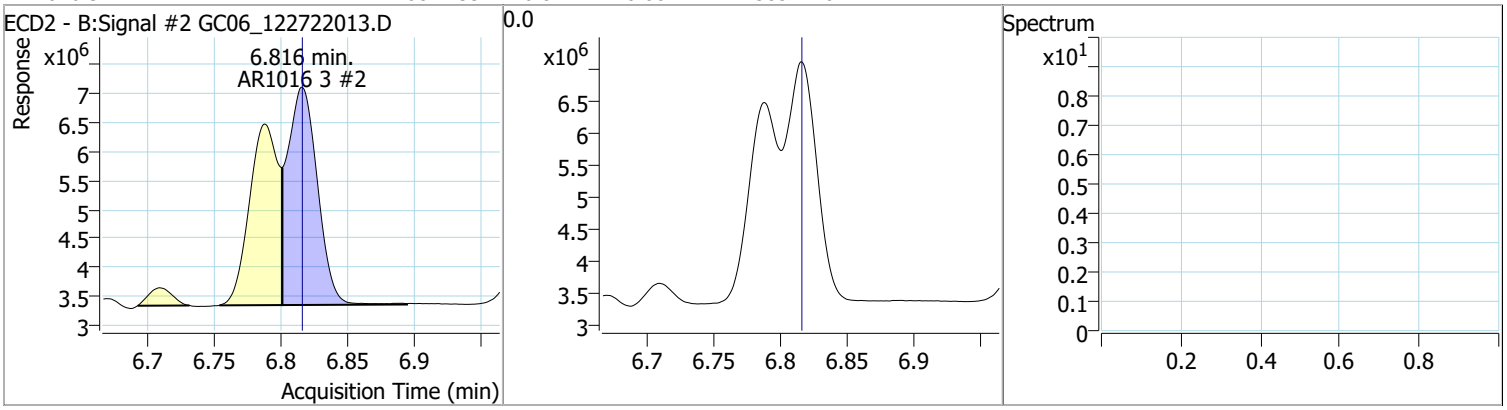
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	619.2320	6.26	0.00	4891328				



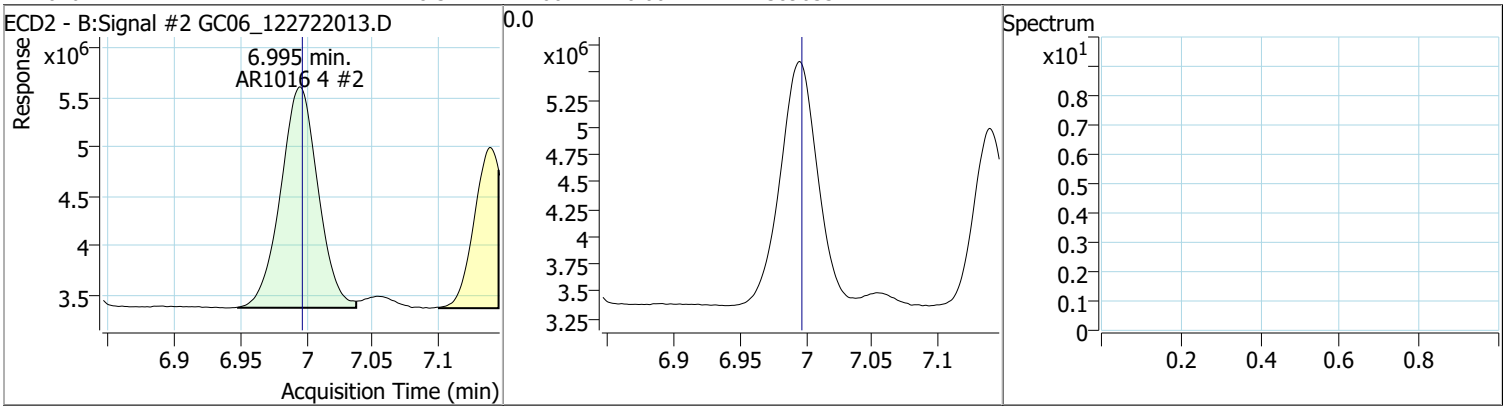
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	456.3221	6.67	0.00	794869				



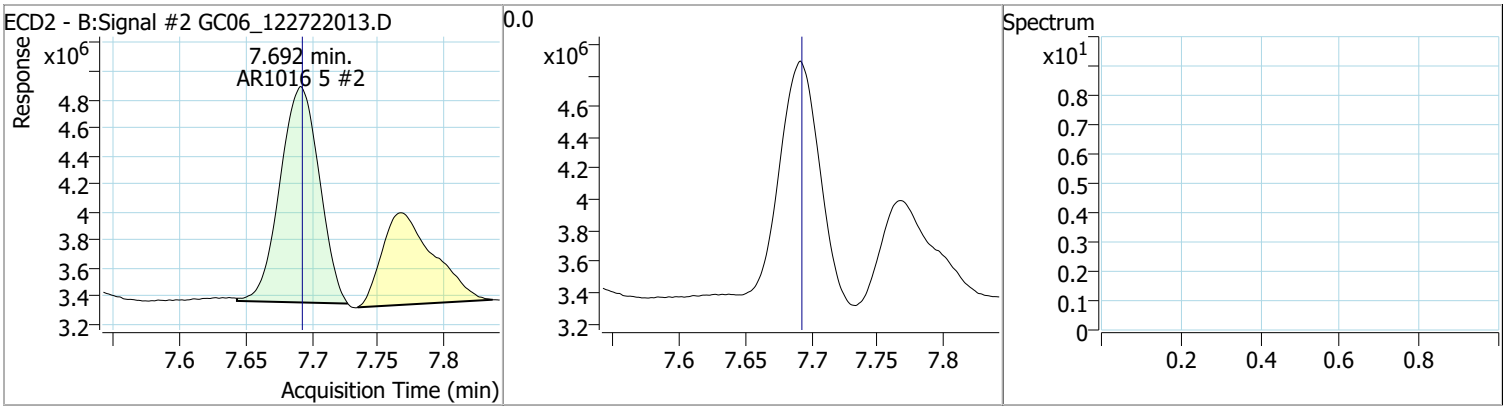
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	408.1299	6.82	0.00	5857720				



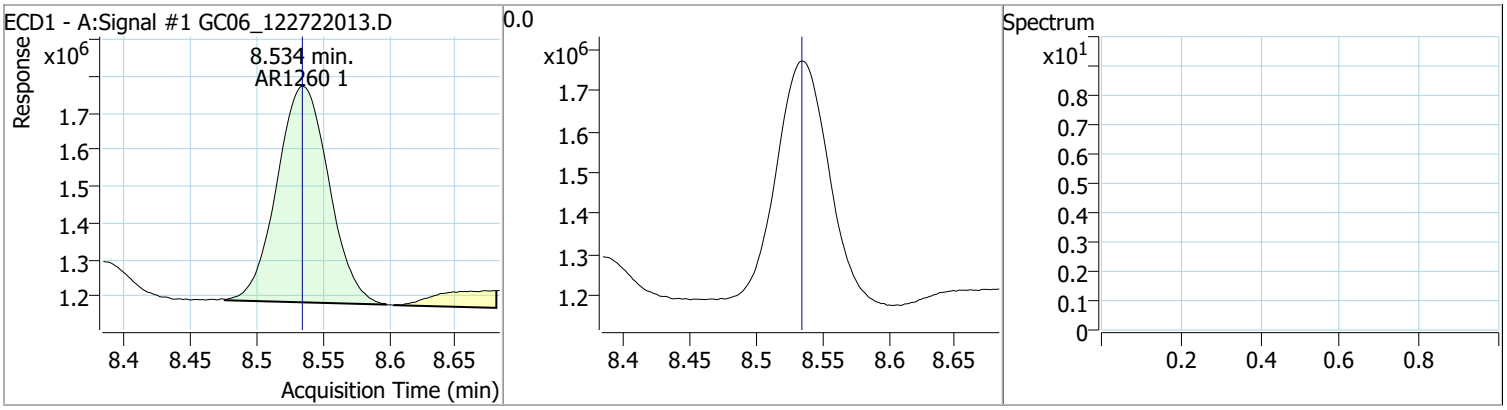
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	428.3471	7.00	0.00	4389033				



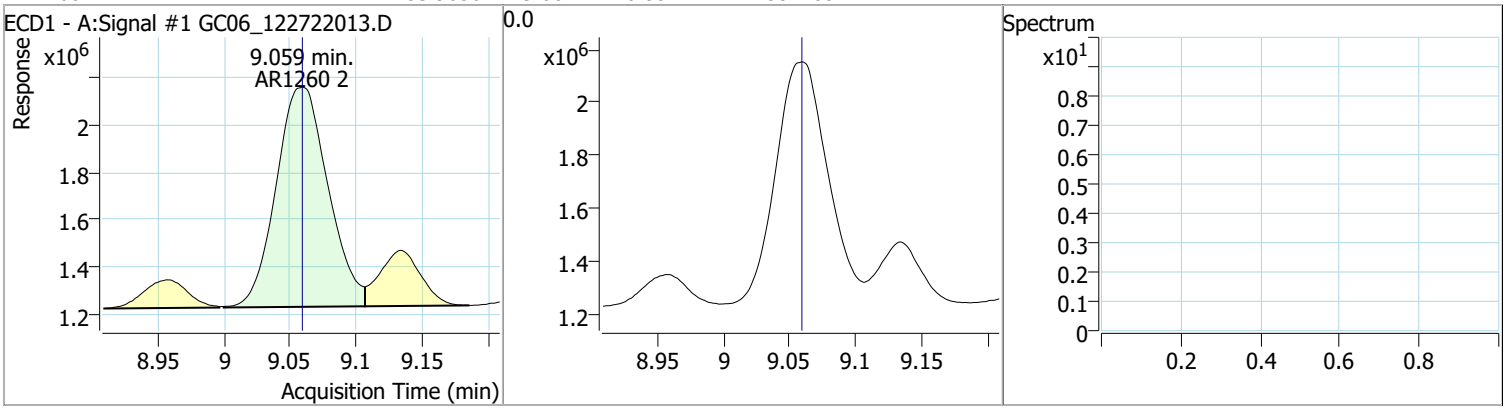
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	379.9996	7.69	0.00	3164927				



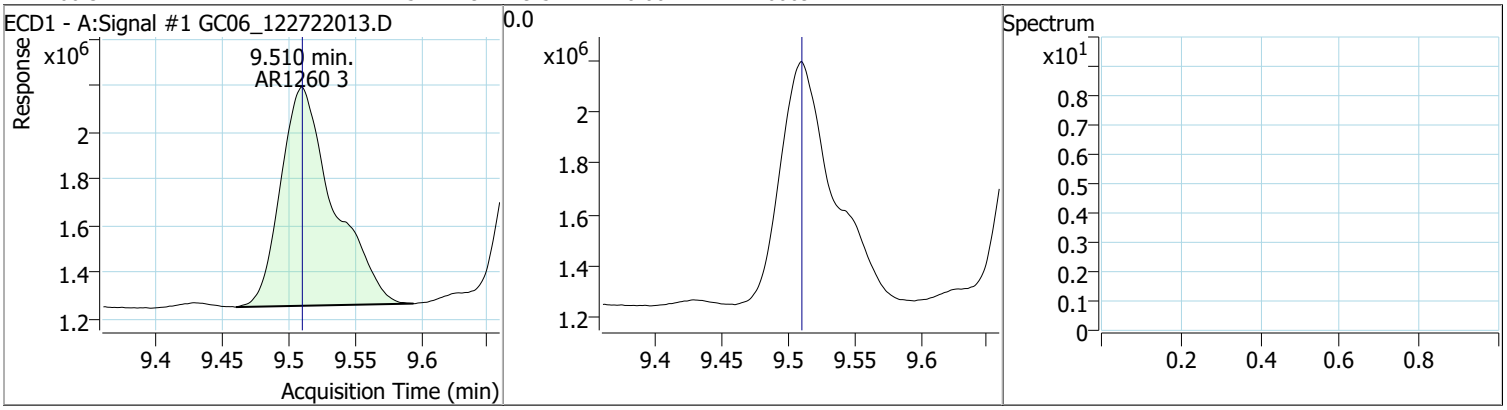
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	444.6329	8.53	0.00	1608093				



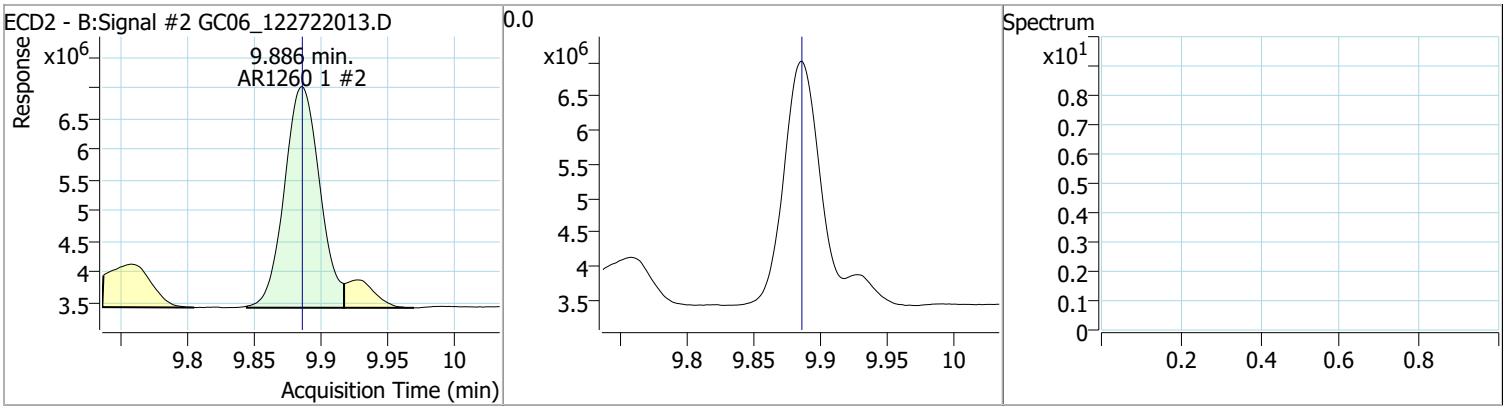
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	453.9656	9.06	0.00	2502465				



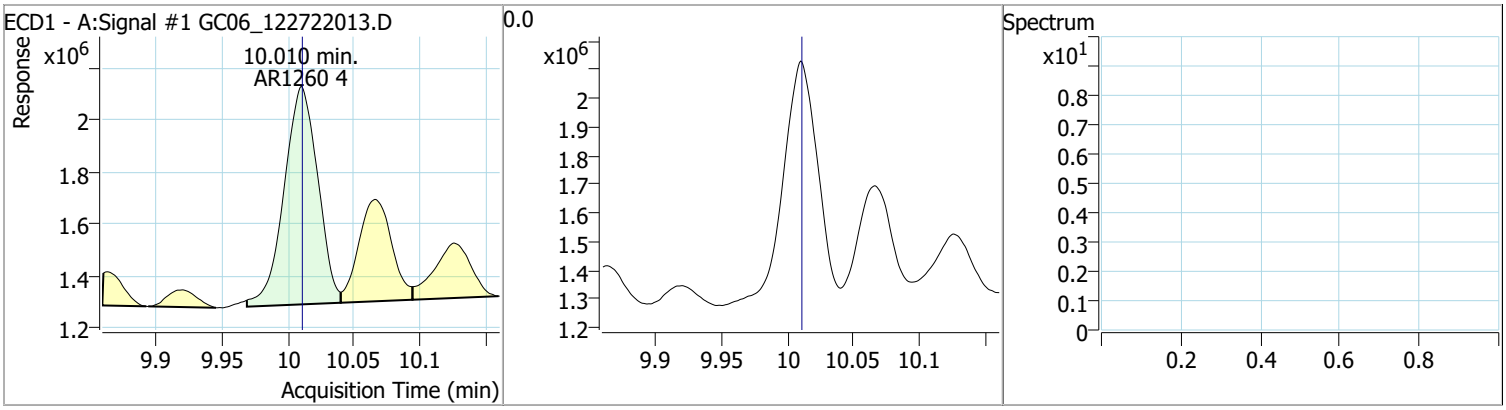
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	451.4129	9.51	0.00	2600914				



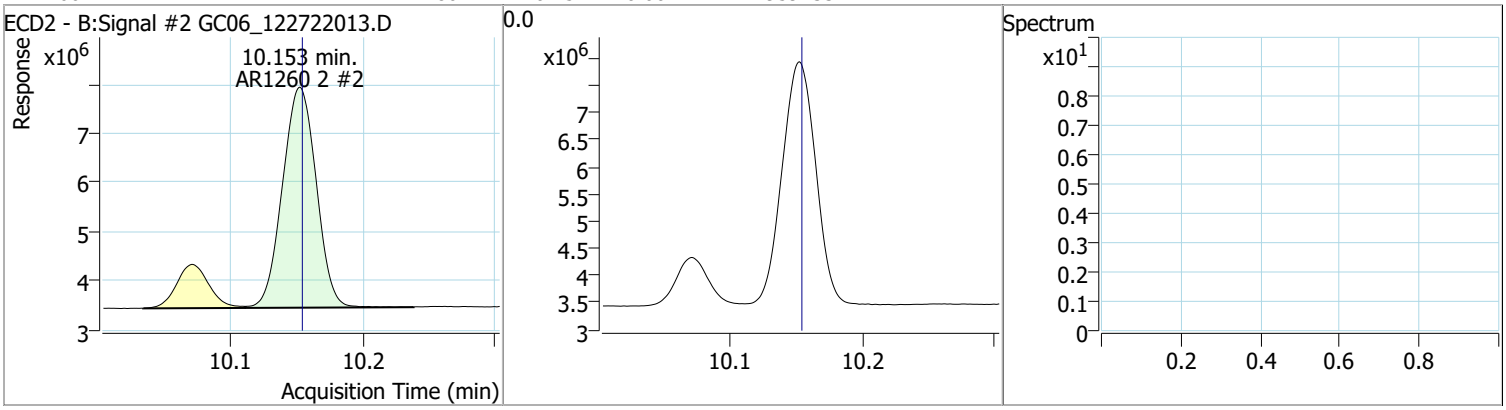
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	428.4679	9.89	0.00	6713395				



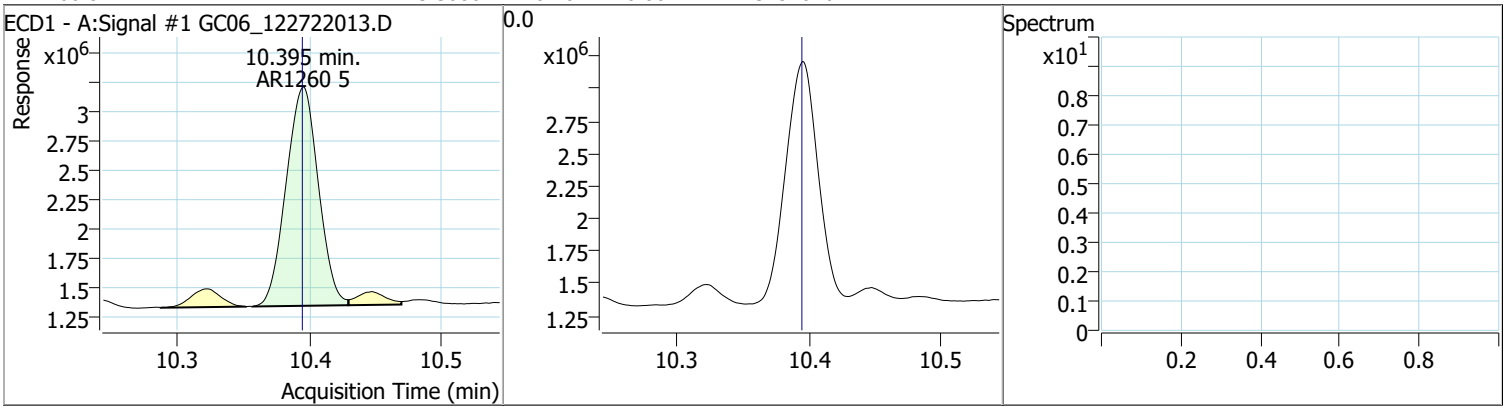
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AR1260 4	472.0640	10.01	0.00	1483568				



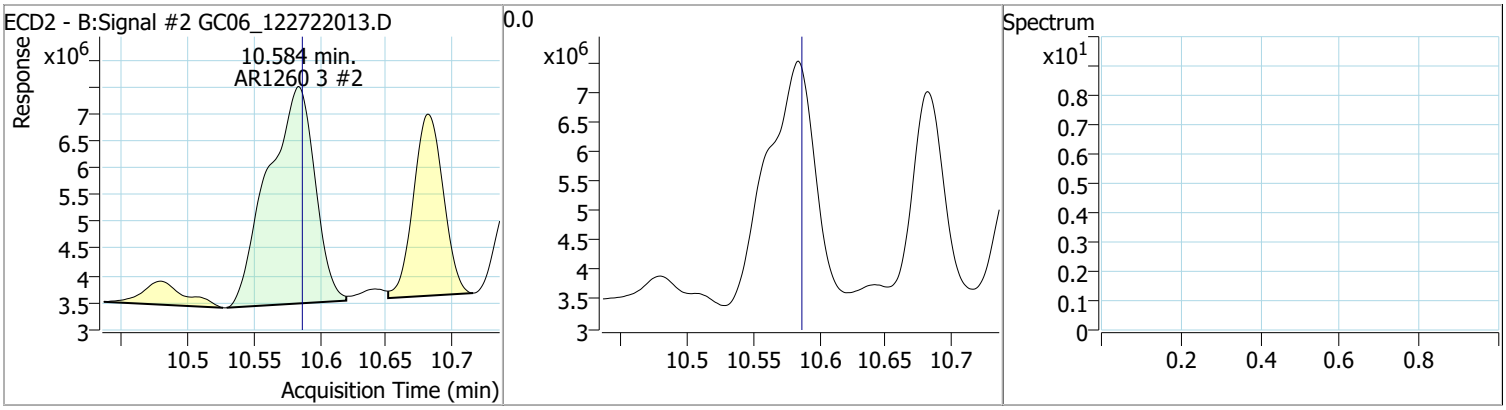
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	422.8074	10.15	0.00	7959733				



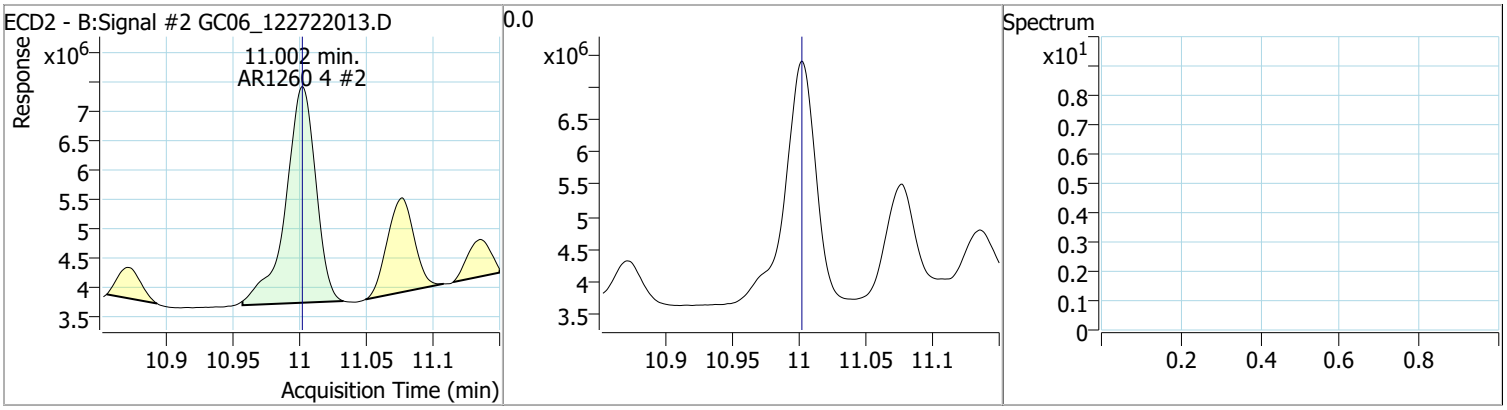
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	473.3080	10.40	0.00	3152040				



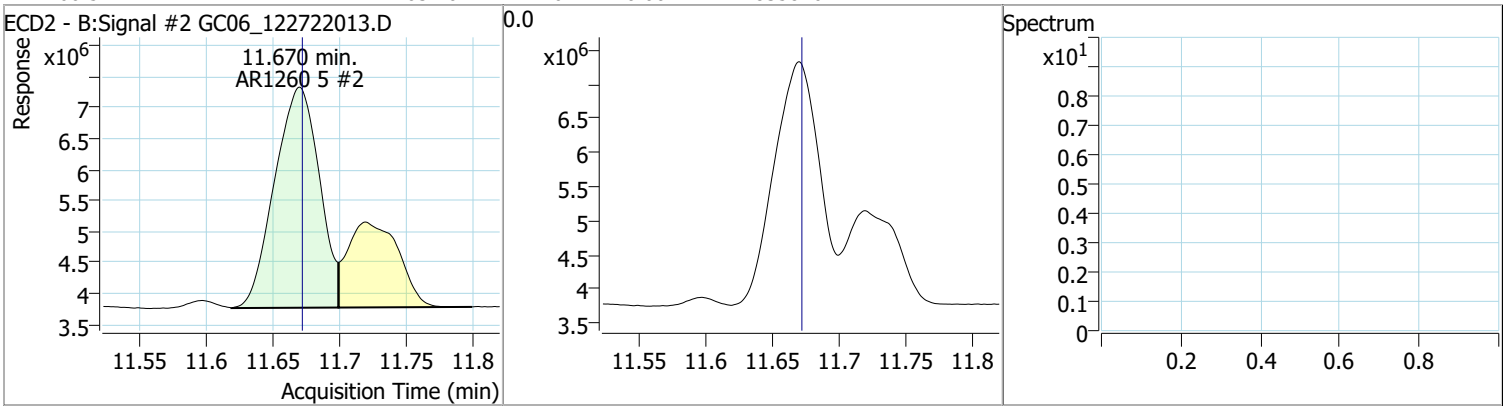
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	420.7153	10.58	0.00	10025419				



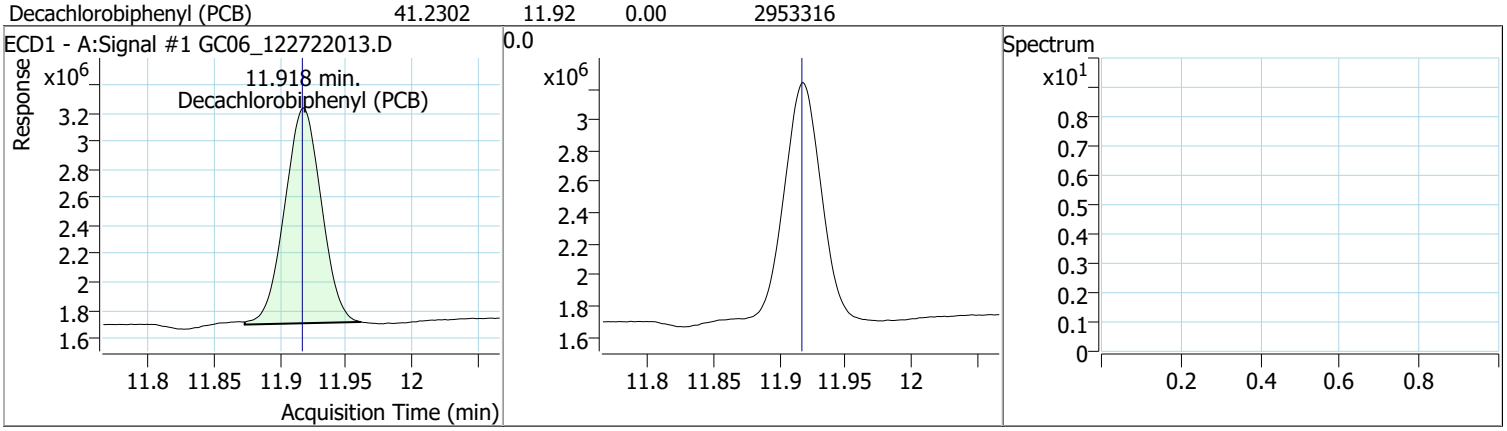
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	424.1151	11.00	0.00	5856250				



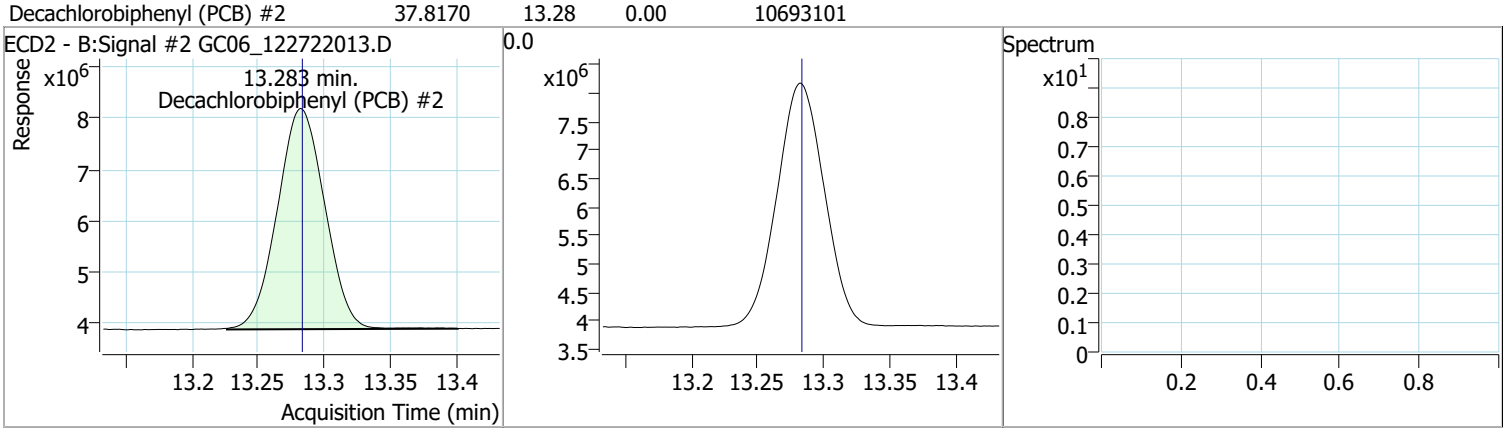
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	403.4071	11.67	0.00	8358267				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.2302	11.92	0.00	2953316				

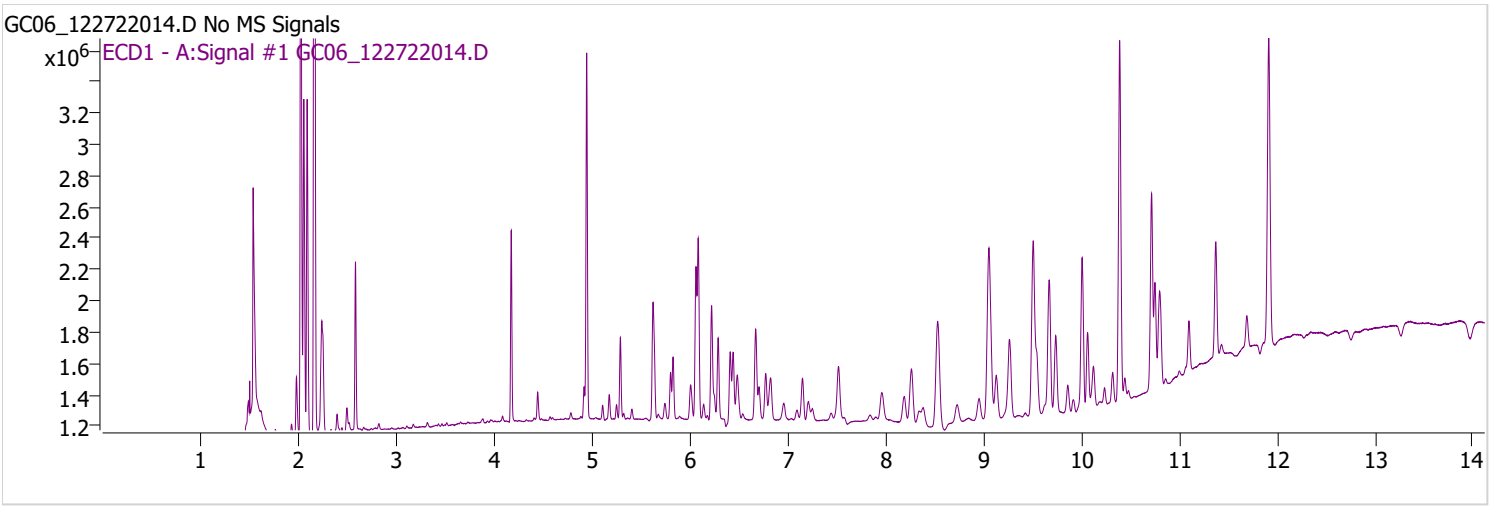


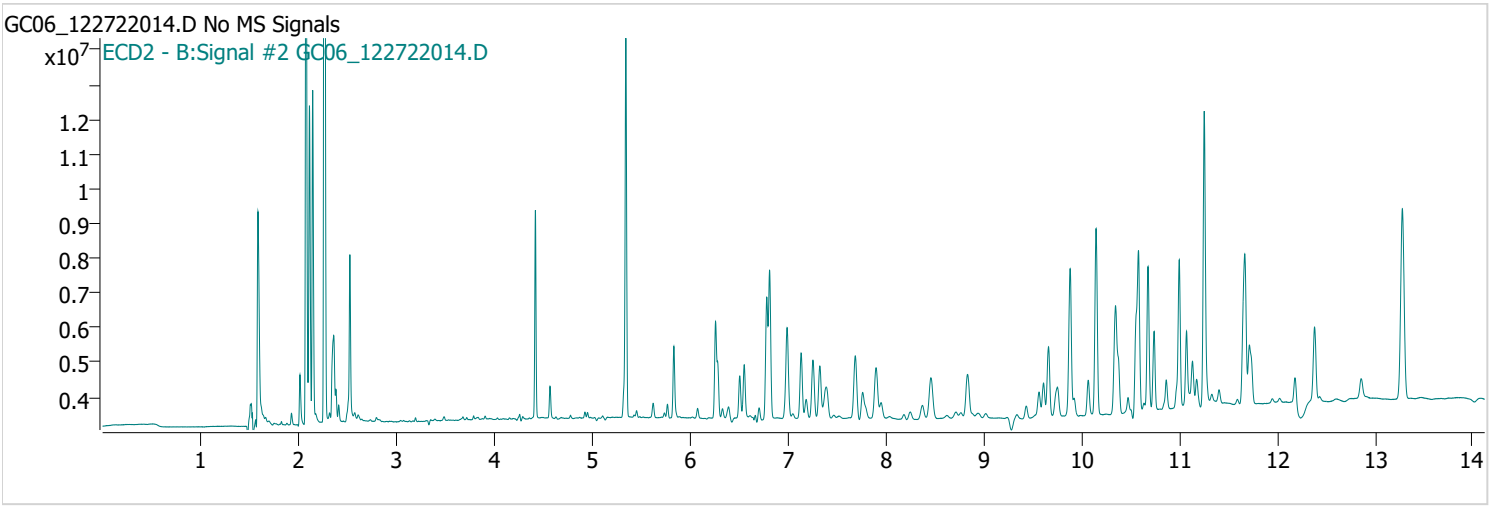
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.8170	13.28	0.00	10693101				



Quantitation Results Report (Not Reviewed)

Data File	GC06_122722014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/27/2022 1:17:50 PM
Sample Name	QC1034028, 303863, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_14a.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122722PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



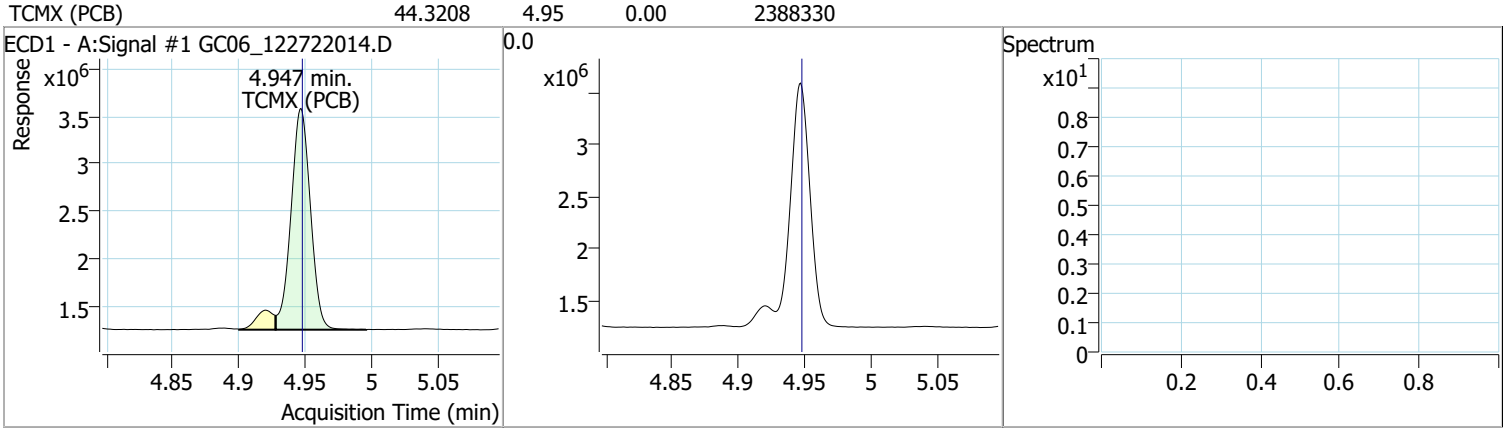


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.176	0.0	1120826.741	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.423	0.0	5397375.468	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.947	0.0	2388330.461	44.3208	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.60%		*	
S TCMX (PCB) #2	5.347	0.0	12411085.152	47.8811	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 239.41%		*	
S Decachlorobiphenyl (PCB)	11.916	0.0	3899296.366	53.0776	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 265.39%		*	
S Decachlorobiphenyl (PCB) #2	13.281	0.0	13445367.682	46.8625	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.31%		*	
Target Compounds							QValue

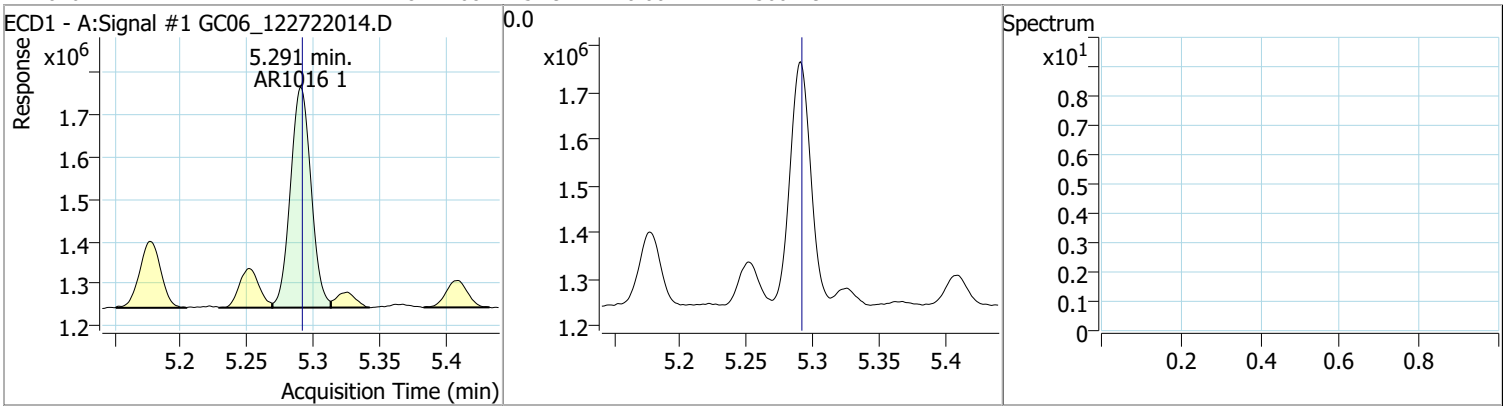
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.291	0.0	566719.495	482.2708	ng/ml	100
T AR1016 2	5.625	0.0	1249525.227	519.3910	ng/ml	100
T AR1016 1 #2	5.838	0.0	2664624.709	475.0107	ng/ml	100
T AR1016 3	6.086	0.0	1521251.982	510.5950	ng/ml	100
T AR1016 4	6.223	0.0	1241082.095	547.6987	ng/ml	100
T AR1016 2 #2	6.263	0.0	5709040.057	705.0176	ng/ml	100
T AR1016 5	6.673	0.0	928525.595	508.7367	ng/ml	100
T AR1016 3 #2	6.815	0.0	7063800.393	480.0854	ng/ml	100
T AR1016 4 #2	6.994	0.0	5046734.040	480.4494	ng/ml	100
T AR1016 5 #2	7.692	0.0	3914267.679	458.4376	ng/ml	100
T AR1260 1	8.533	0.0	1875714.150	494.9717	ng/ml	100
T AR1260 2	9.057	0.0	2931811.796	507.5915	ng/ml	100
T AR1260 3	9.509	0.0	2696299.075	446.6212	ng/ml	100
T AR1260 1 #2	9.887	0.0	8661995.605	539.2674	ng/ml	100
T AR1260 4	10.009	0.0	1753449.755	534.4644	ng/ml	100
T AR1260 2 #2	10.152	0.0	9263960.215	480.0108	ng/ml	100
T AR1260 5	10.393	0.0	3930401.817	566.7043	ng/ml	100
T AR1260 3 #2	10.584	0.0	11719923.907	479.7564	ng/ml	100
T AR1260 4 #2	11.002	0.0	6641201.822	471.6723	ng/ml	100
T AR1260 5 #2	11.671	0.0	10055539.839	476.6540	ng/ml	100

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

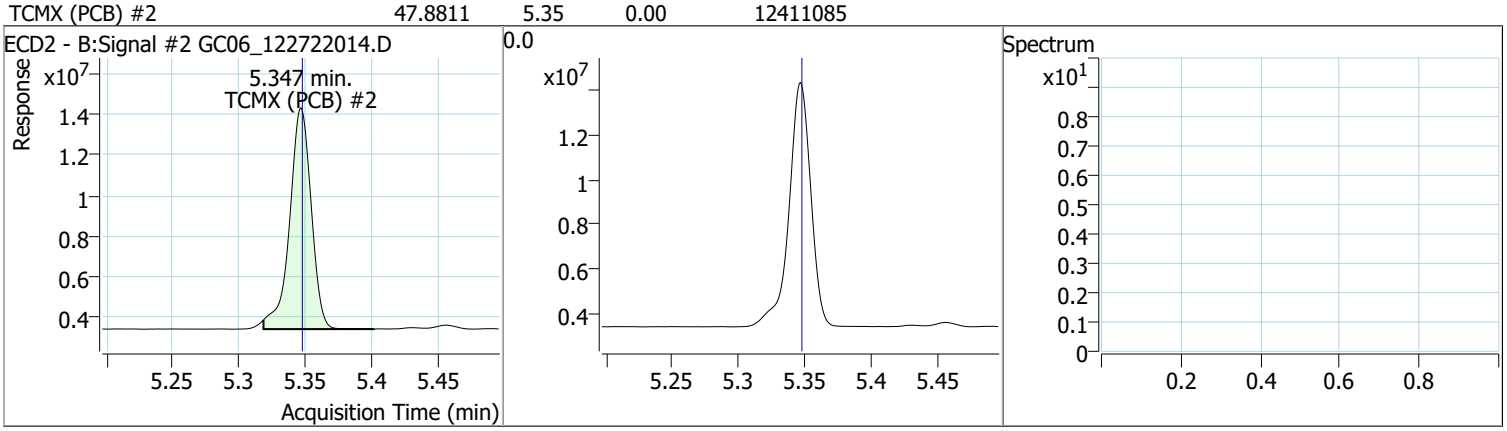
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.3208	4.95	0.00	2388330				



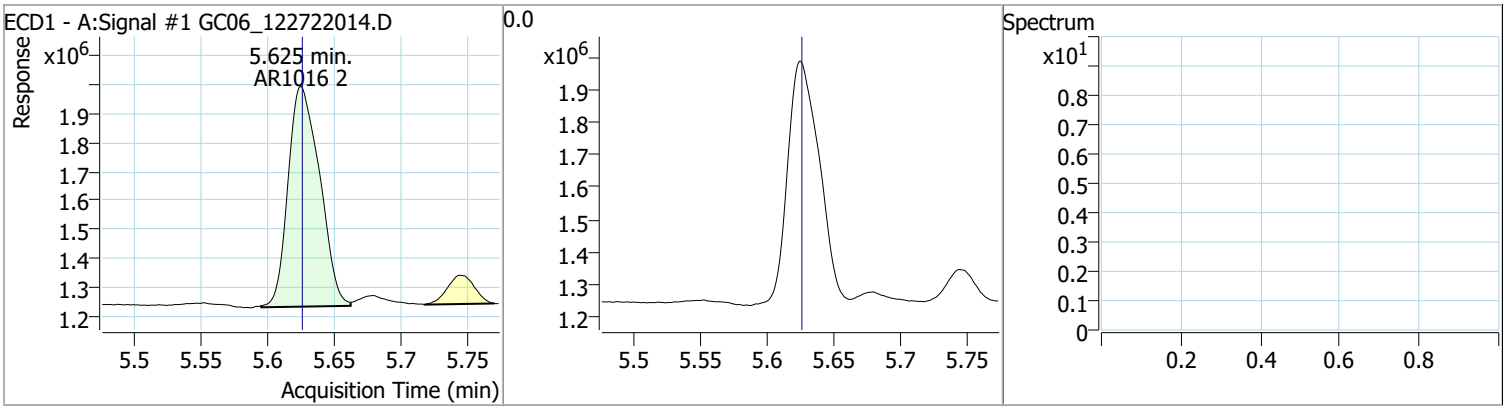
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	482.2708	5.29	0.00	566719				



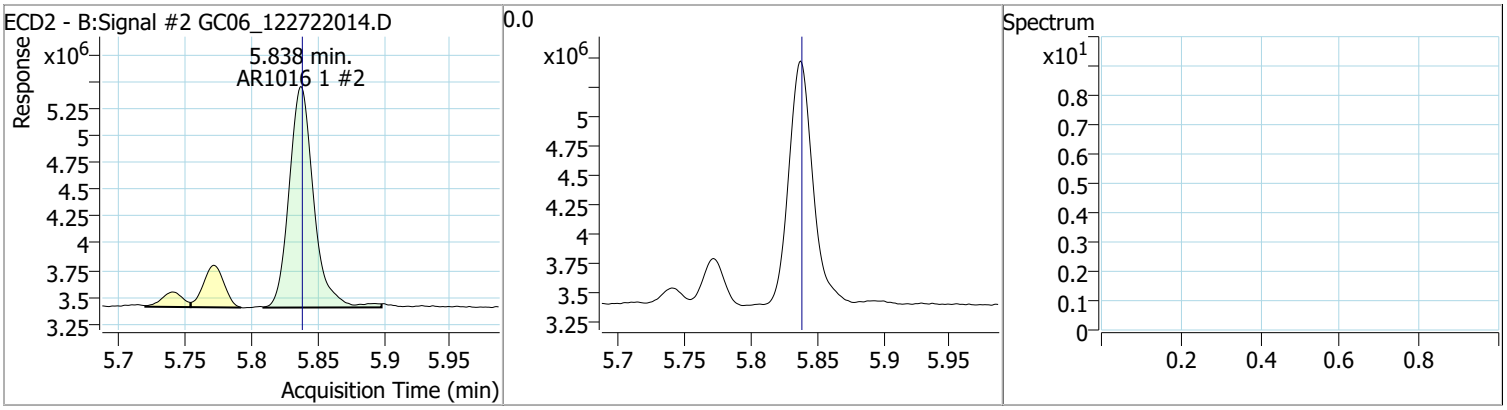
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.8811	5.35	0.00	12411085				



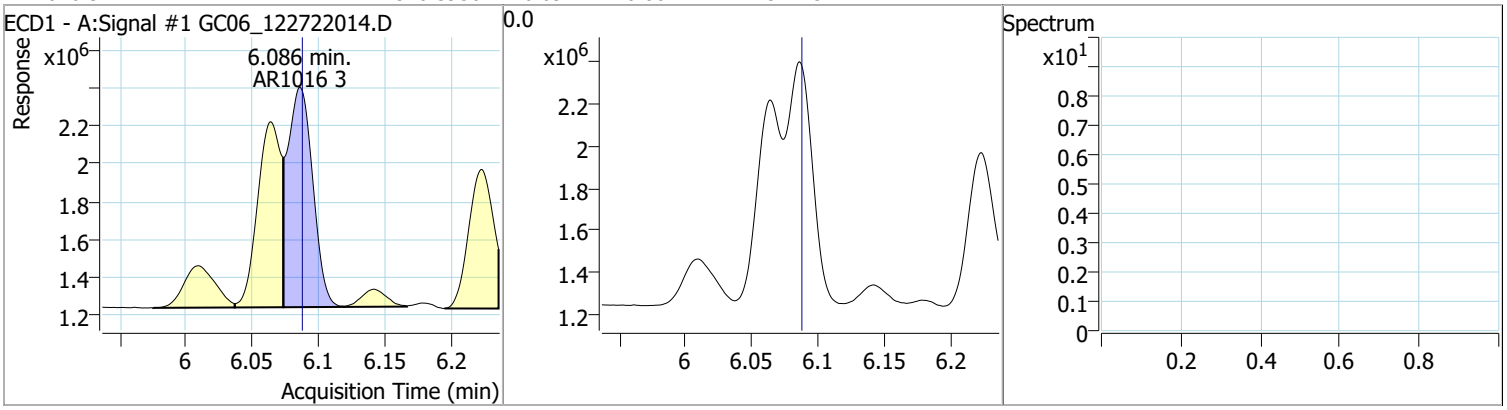
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	519.3910	5.63	0.00	1249525				



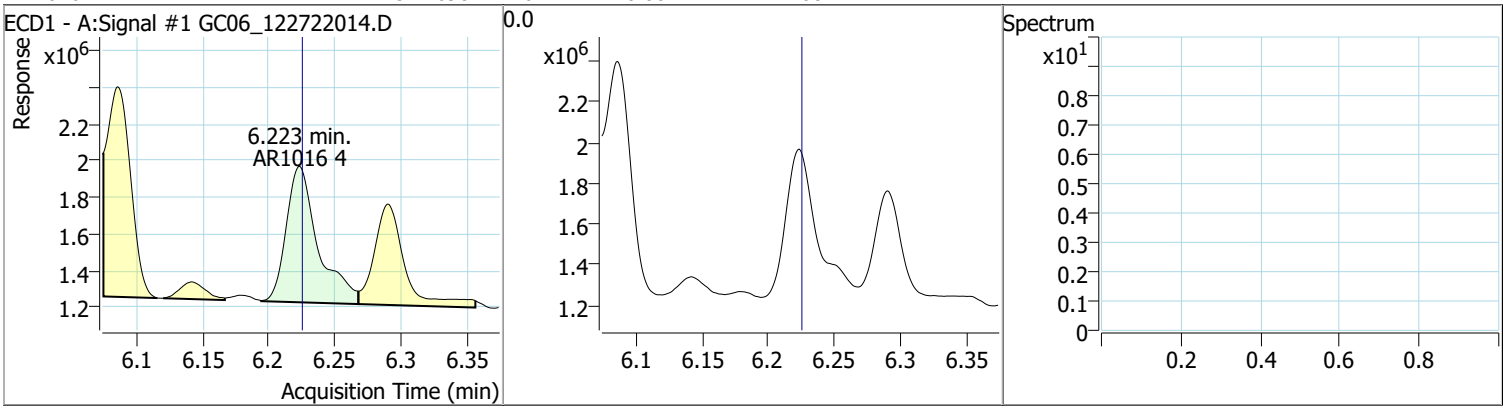
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	475.0107	5.84	0.00	2664625				



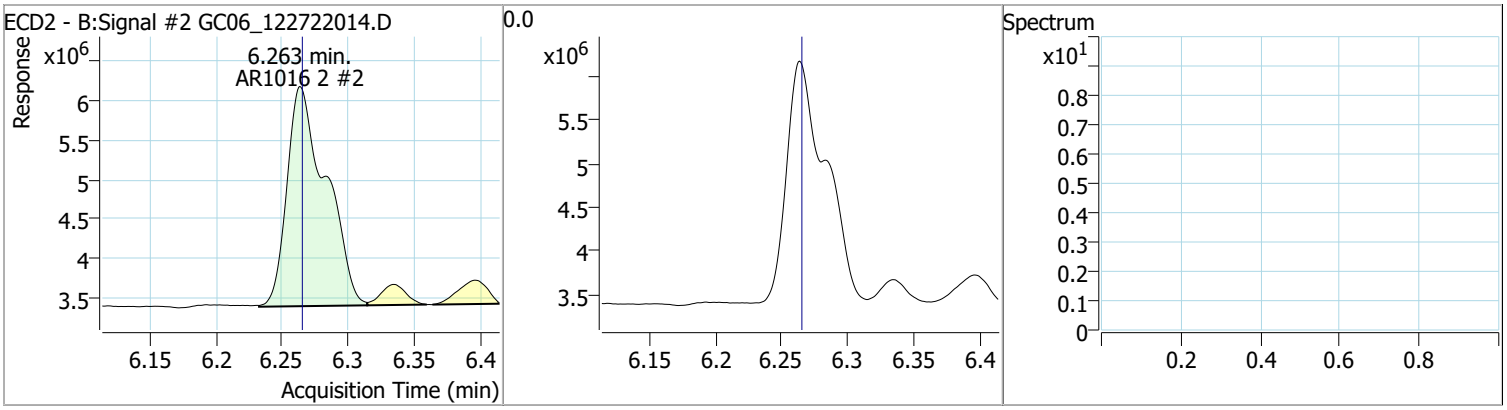
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	510.5950	6.09	0.00	1521252				



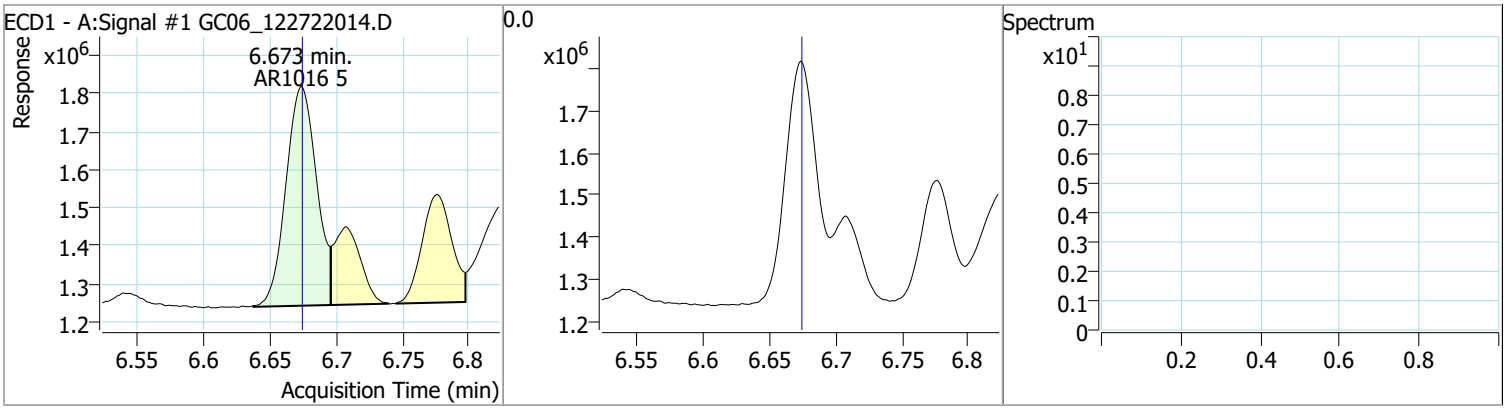
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	547.6987	6.22	0.00	1241082				



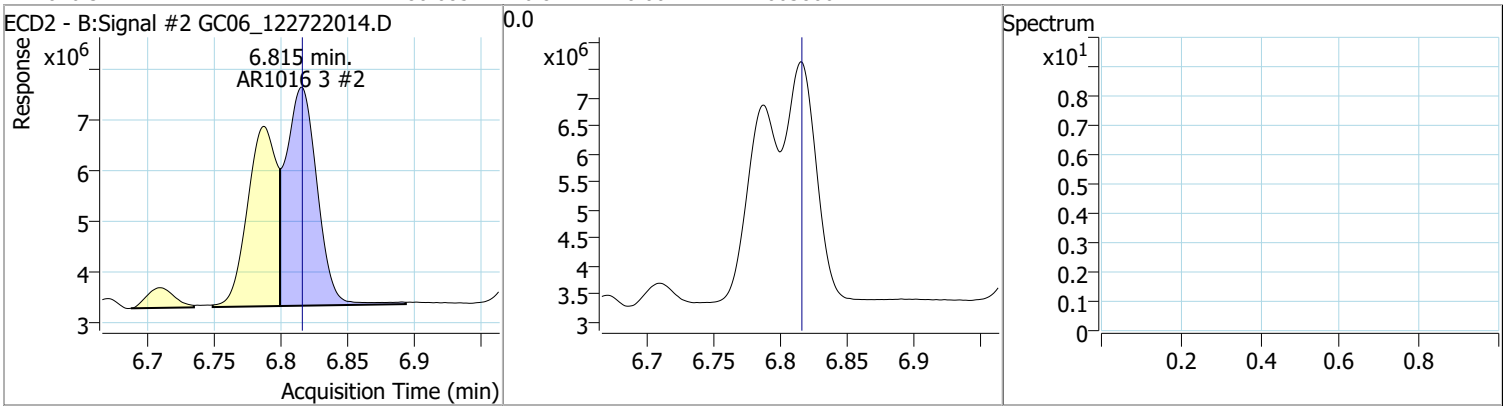
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	705.0176	6.26	0.00	5709040				



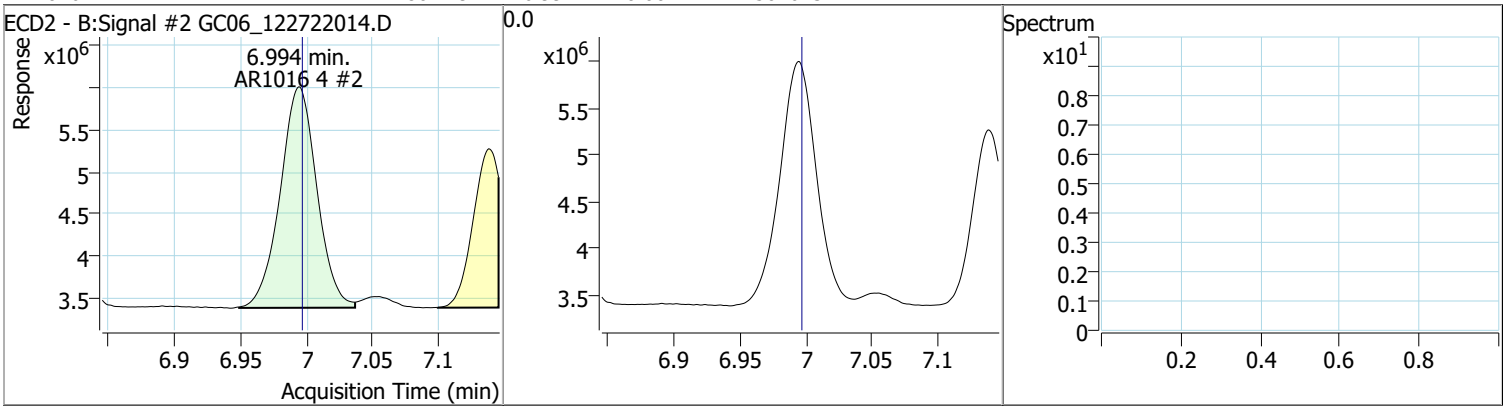
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	508.7367	6.67	0.00	928526				



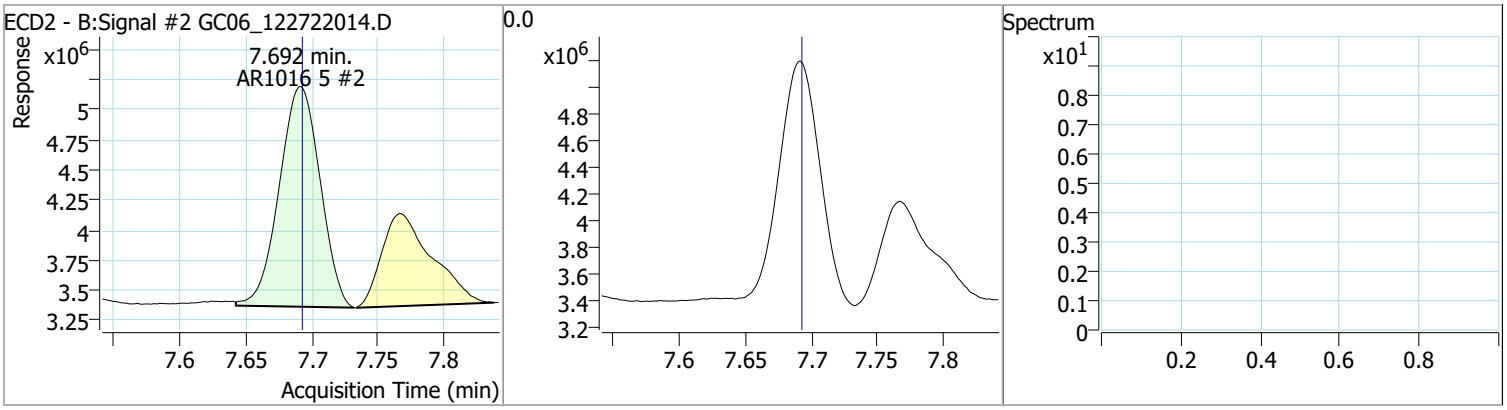
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.0854	6.82	0.00	7063800				



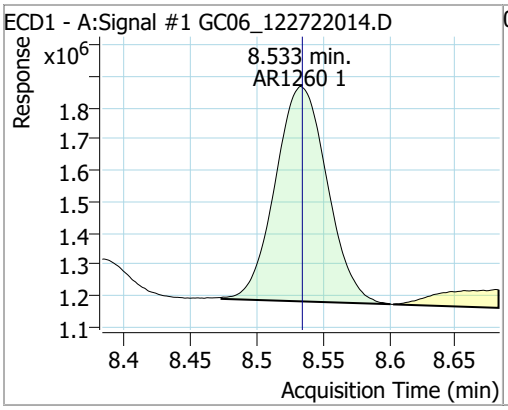
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AR1016 4 #2	480.4494	6.99	0.00	5046734				

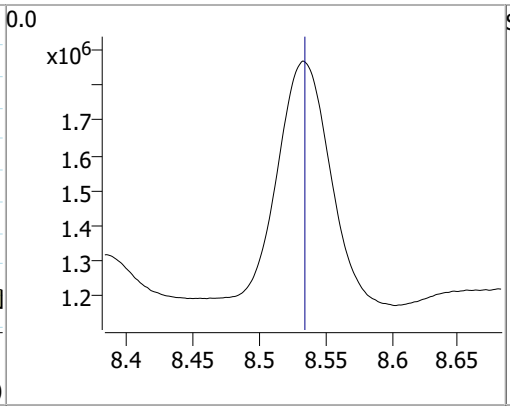


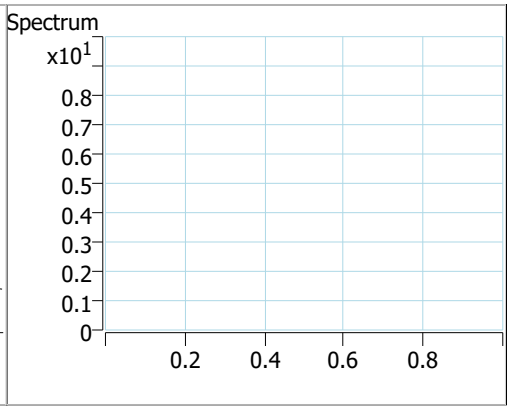
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	458.4376	7.69	0.00	3914268				



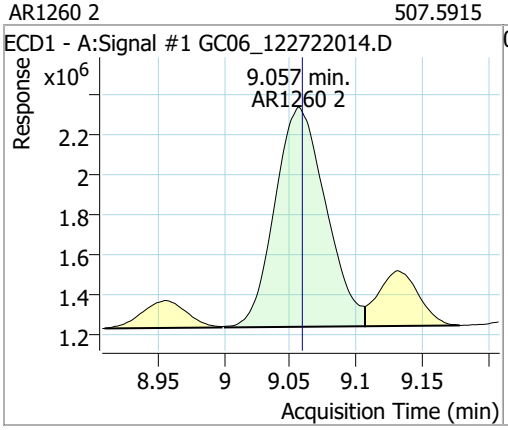
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	494.9717	8.53	0.00	1875714				

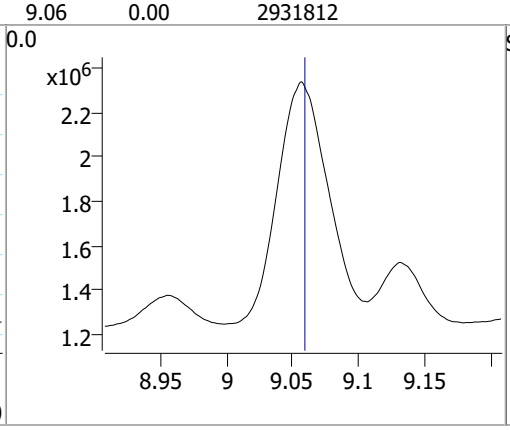


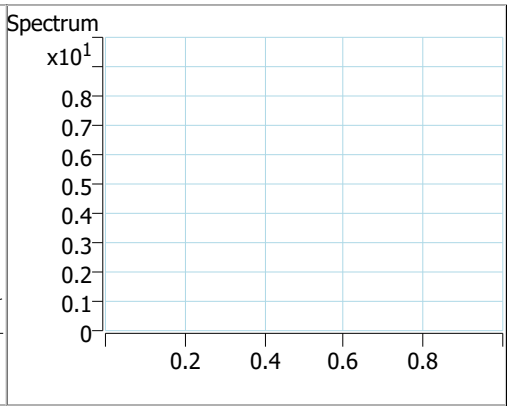




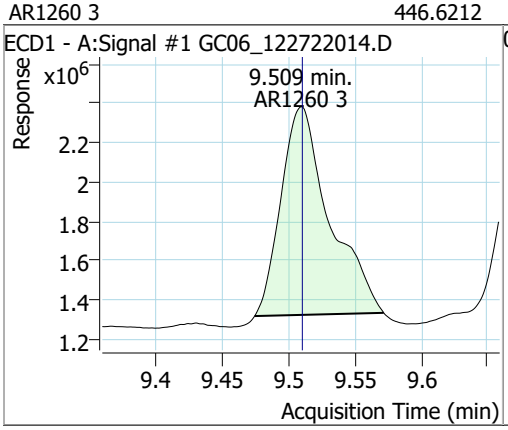
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	507.5915	9.06	0.00	2931812				

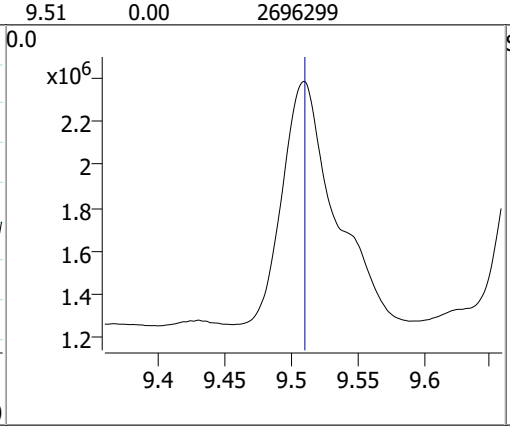


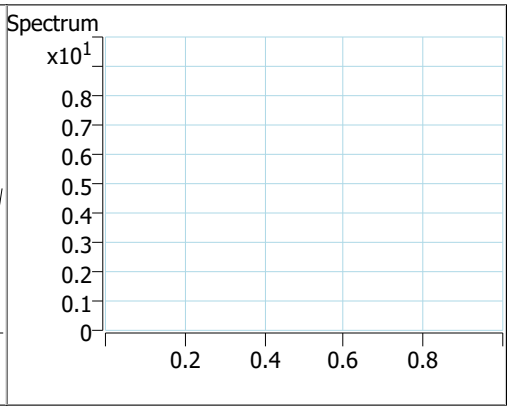




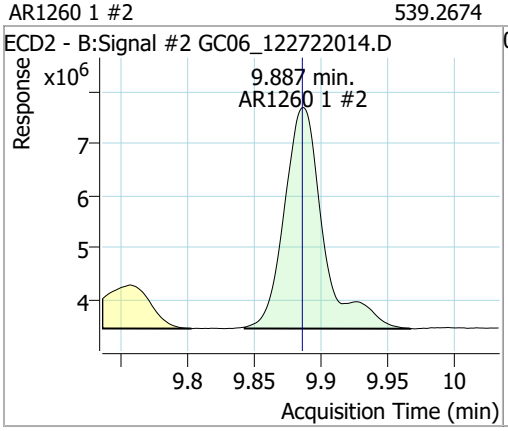
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	446.6212	9.51	0.00	2696299				

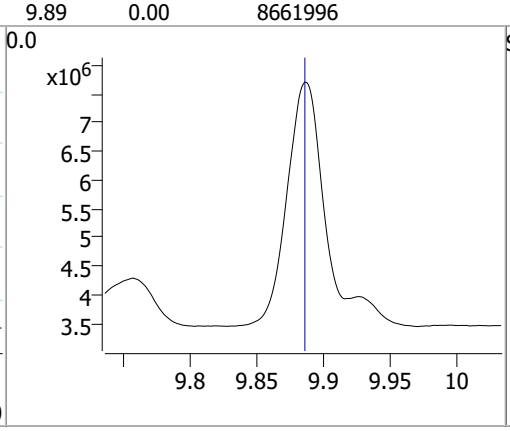


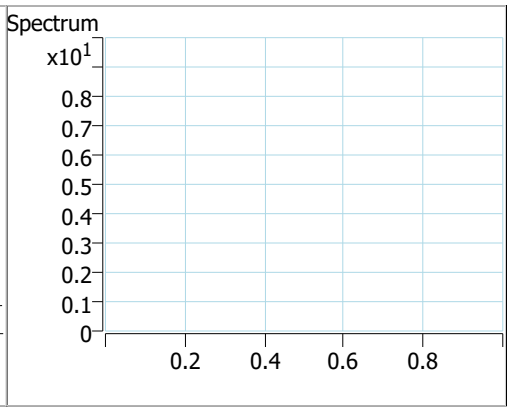




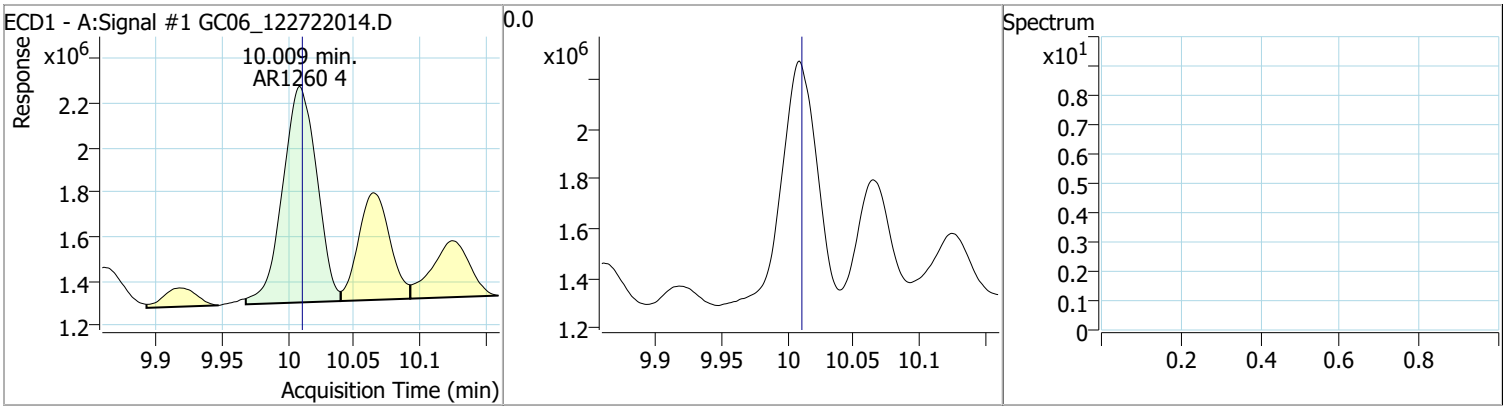
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	539.2674	9.89	0.00	8661996				



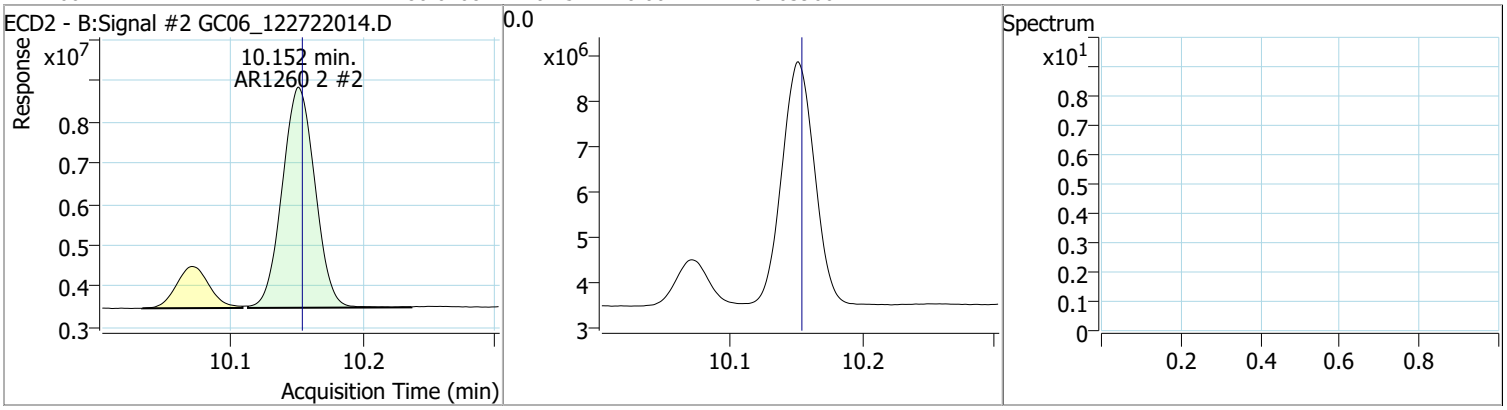




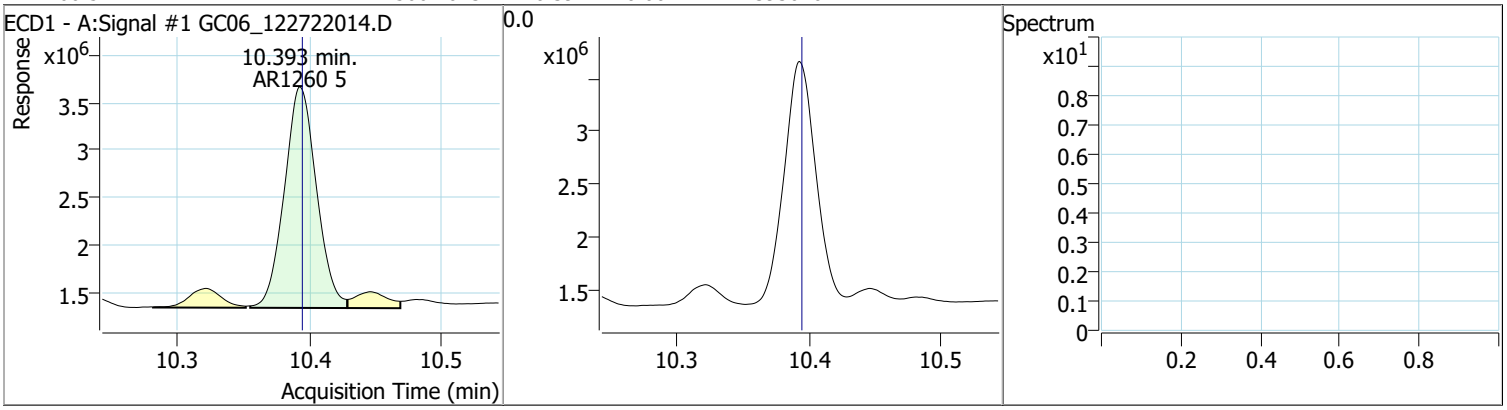
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	534.4644	10.01	0.00	1753450				



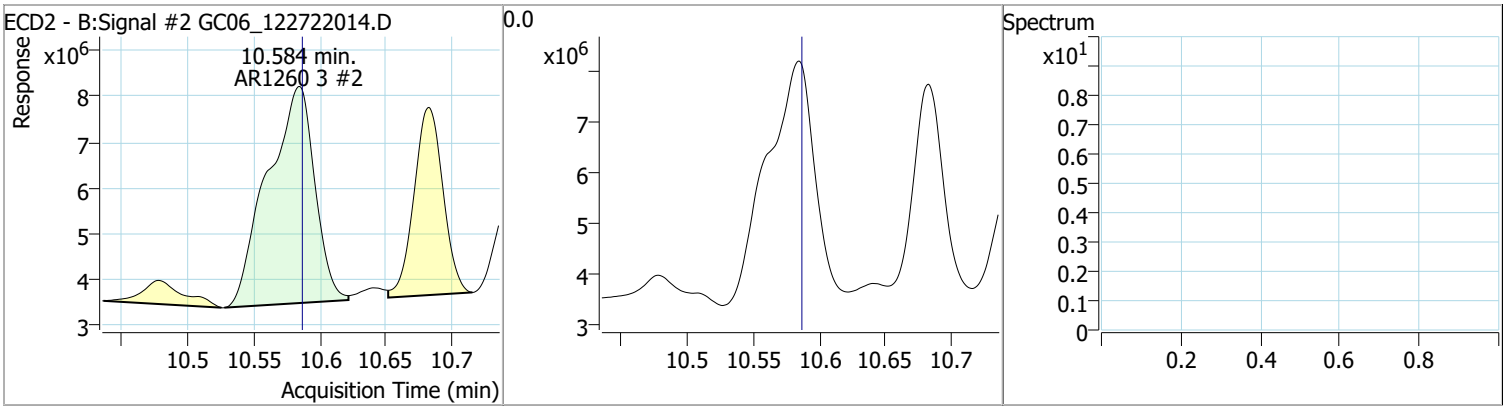
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	480.0108	10.15	0.00	9263960				



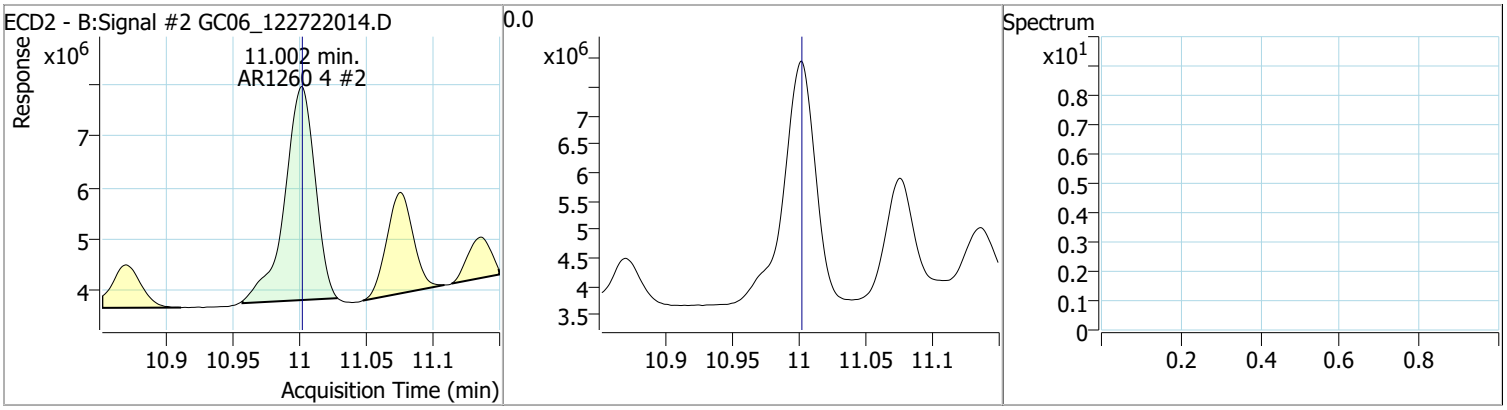
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	566.7043	10.39	0.00	3930402				



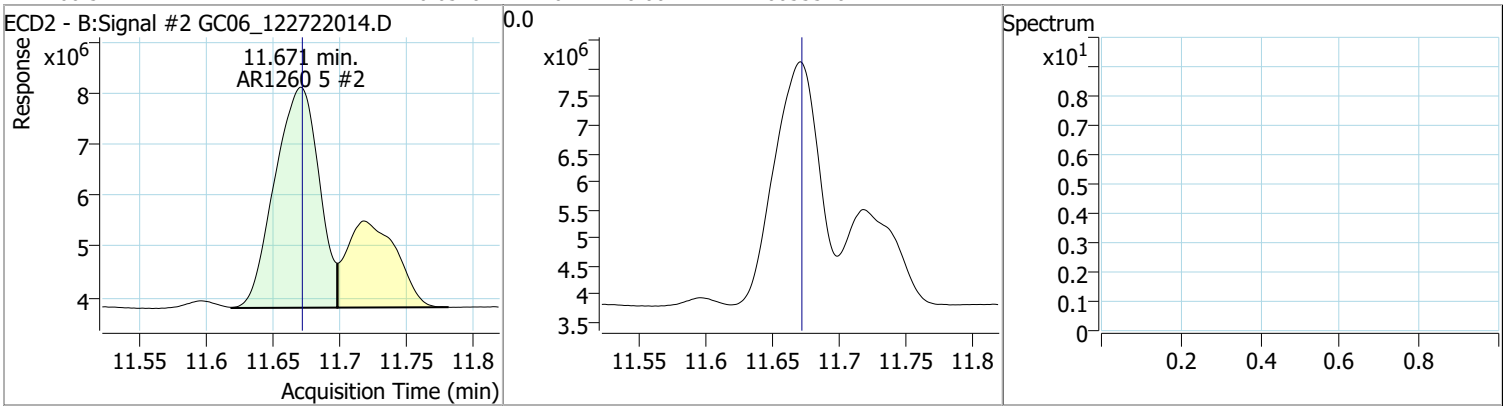
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	479.7564	10.58	0.00	11719924				



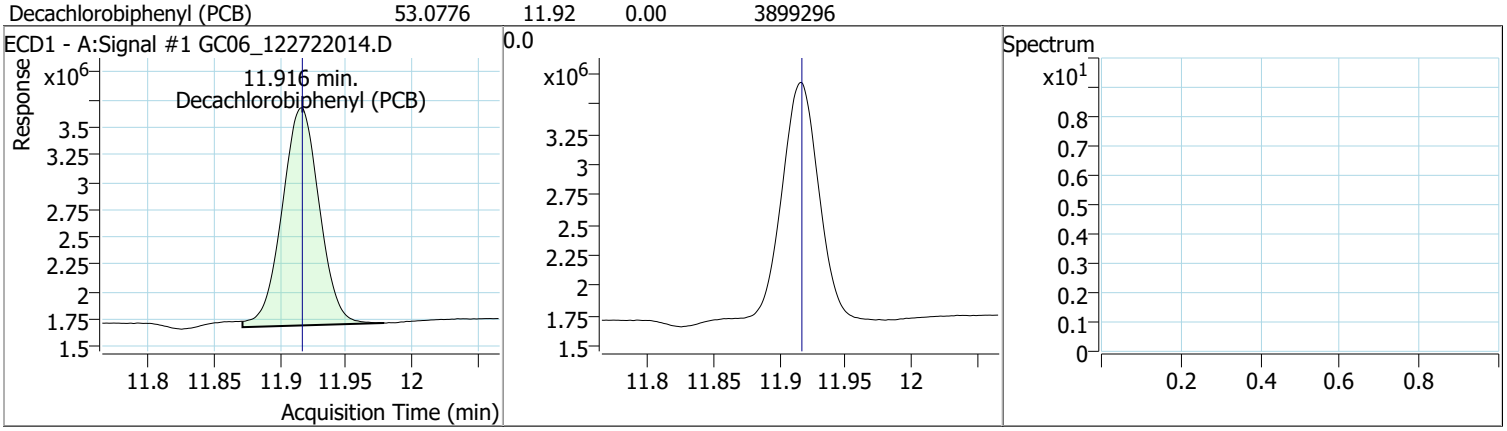
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	471.6723	11.00	0.00	6641202				



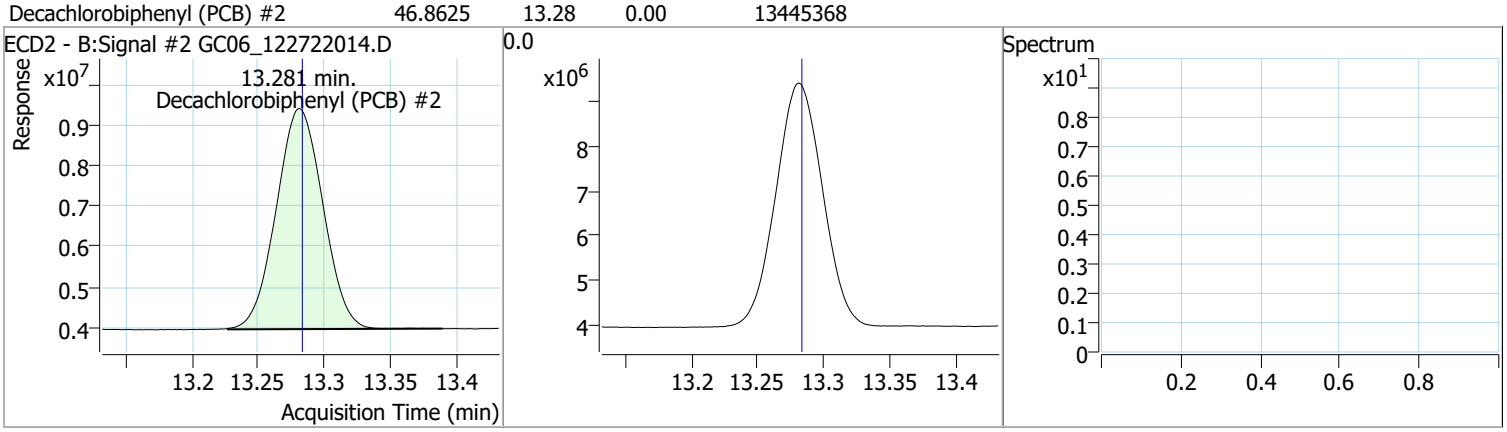
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	476.6540	11.67	0.00	10055540				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	53.0776	11.92	0.00	3899296				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.8625	13.28	0.00	13445368				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 475744 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 475744 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

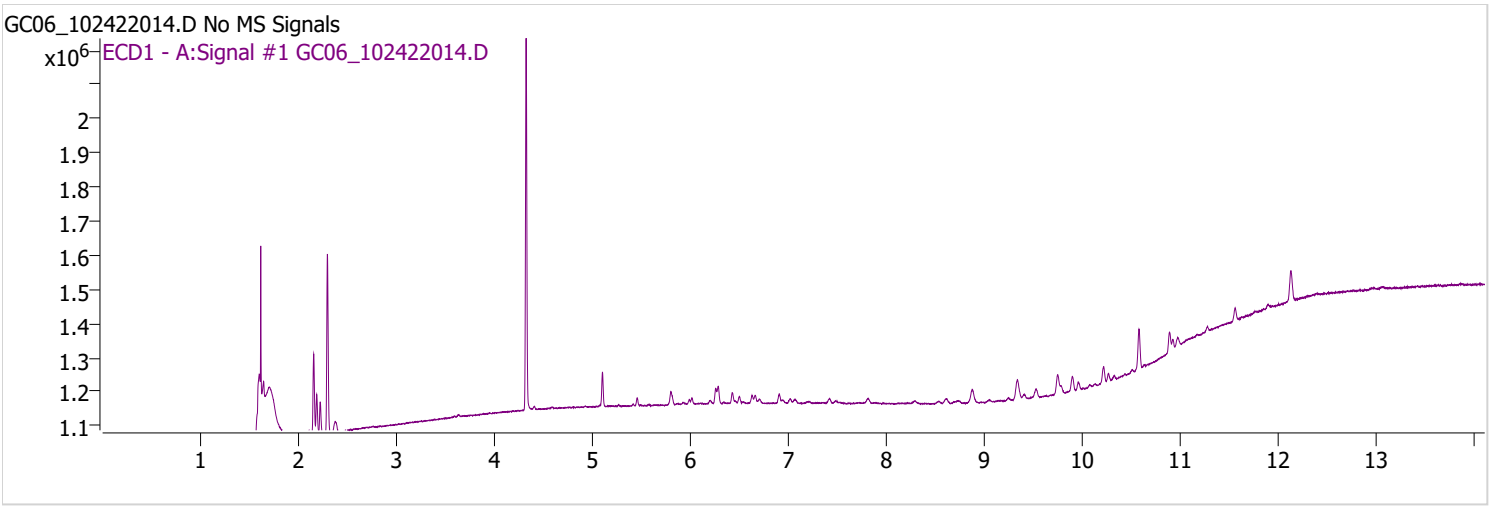
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

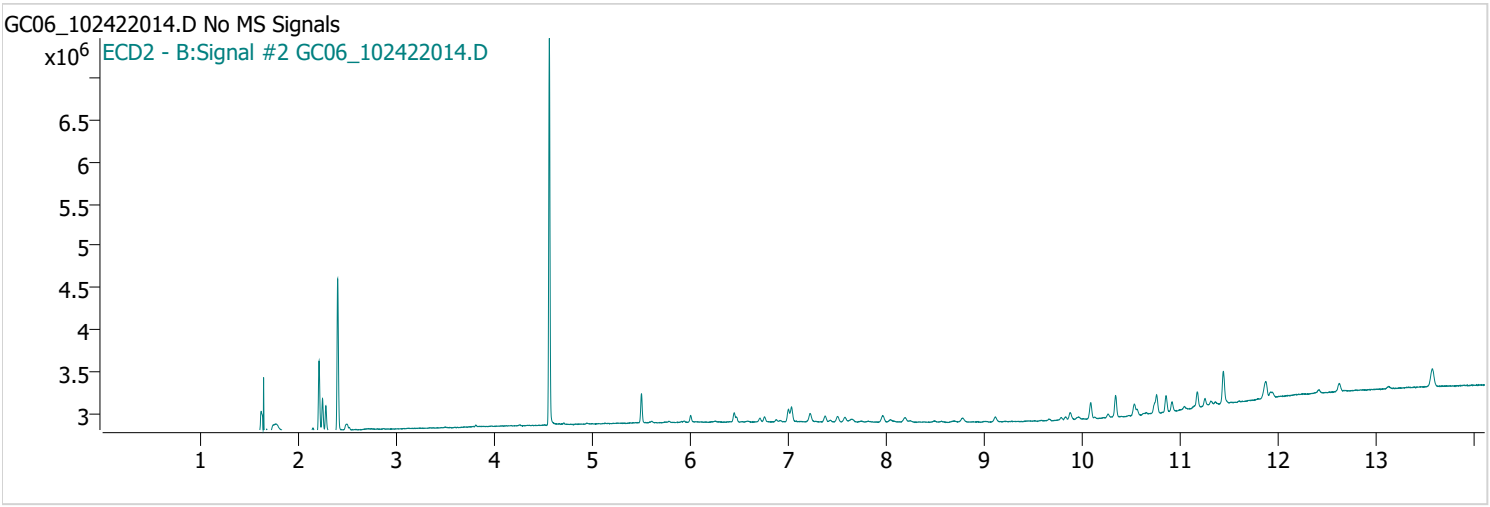
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Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_102422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:26:16 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



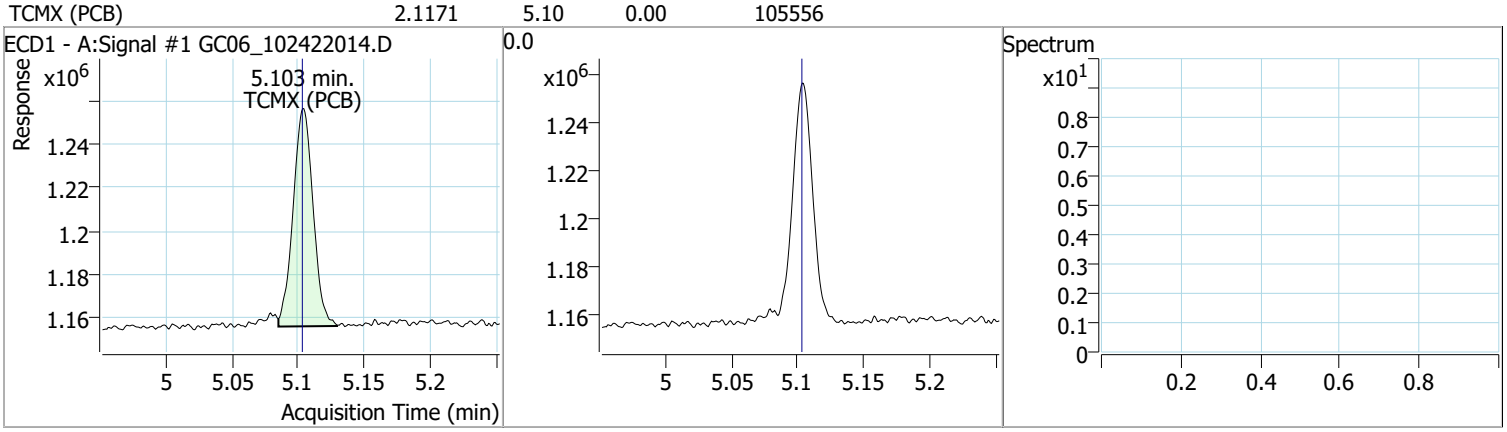


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	1037016.219	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4201953.160	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	105555.954	2.1171	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.59%		*	
S TCMX (PCB) #2	5.502	0.0	390058.222	1.9329	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.66%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	184176.168	0.0000	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 0.00%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	546954.440	0.4459	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 2.23%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	28480.322	26.1951	ng/ml		100
T AR1016 2	5.802	0.0	73071.976	18.4116	ng/ml		100
T AR1016 1 #2	6.004	0.0	108525.199	24.8502	ng/ml		100

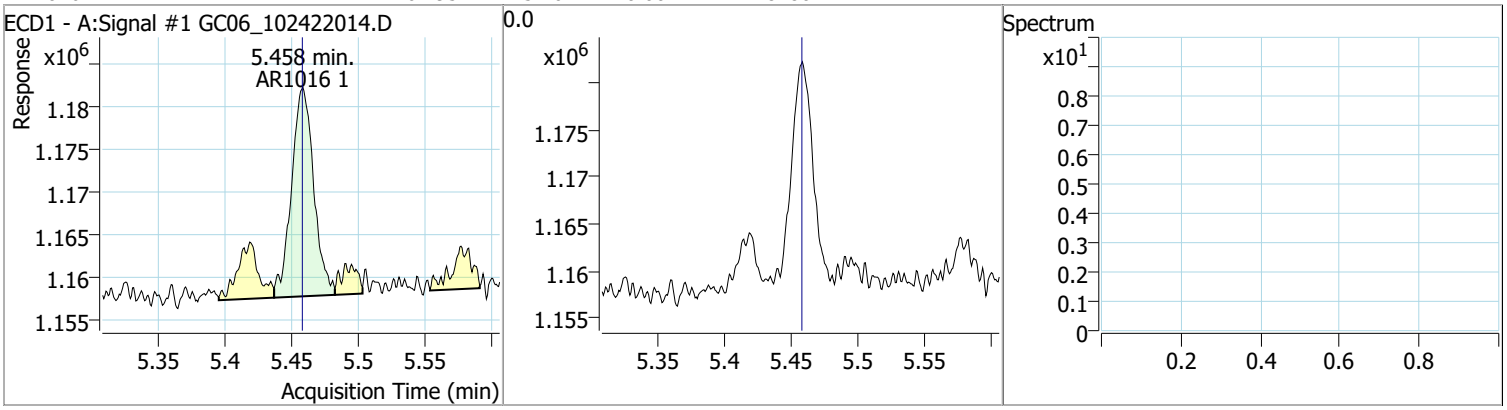
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.285	0.0	71957.123	26.1037	ng/ml		100
T AR1016 4	6.430	0.0	52488.922	25.0358	ng/ml	m	100
T AR1016 2 #2	6.449	0.0	154975.476	24.5828	ng/ml		100
T AR1016 5	6.908	0.0	43274.534	25.6262	ng/ml		100
T AR1016 3 #2	7.033	0.0	307317.024	26.8286	ng/ml		100
T AR1016 4 #2	7.223	0.0	197434.079	24.1430	ng/ml		100
T AR1016 5 #2	7.966	0.0	163277.665	24.5634	ng/ml		100
T AR1260 1	8.881	0.0	97121.012	27.7000	ng/ml		100
T AR1260 2	9.339	0.0	142815.316	26.7243	ng/ml		100
T AR1260 3	9.751	0.0	154959.969	27.7424	ng/ml	m	100
T AR1260 1 #2	10.089	0.0	311262.229	24.8911	ng/ml		100
T AR1260 4	10.220	0.0	80435.978	11.8240	ng/ml		100
T AR1260 2 #2	10.342	0.0	382187.365	25.4368	ng/ml		100
T AR1260 5	10.581	0.0	178298.760	10.5736	ng/ml		100
T AR1260 3 #2	10.761	0.0	498567.492	26.2151	ng/ml		100
T AR1260 4 #2	11.176	0.0	329727.817	7.9351	ng/ml		100
T AR1260 5 #2	11.876	0.0	497381.031	12.8115	ng/ml		100

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

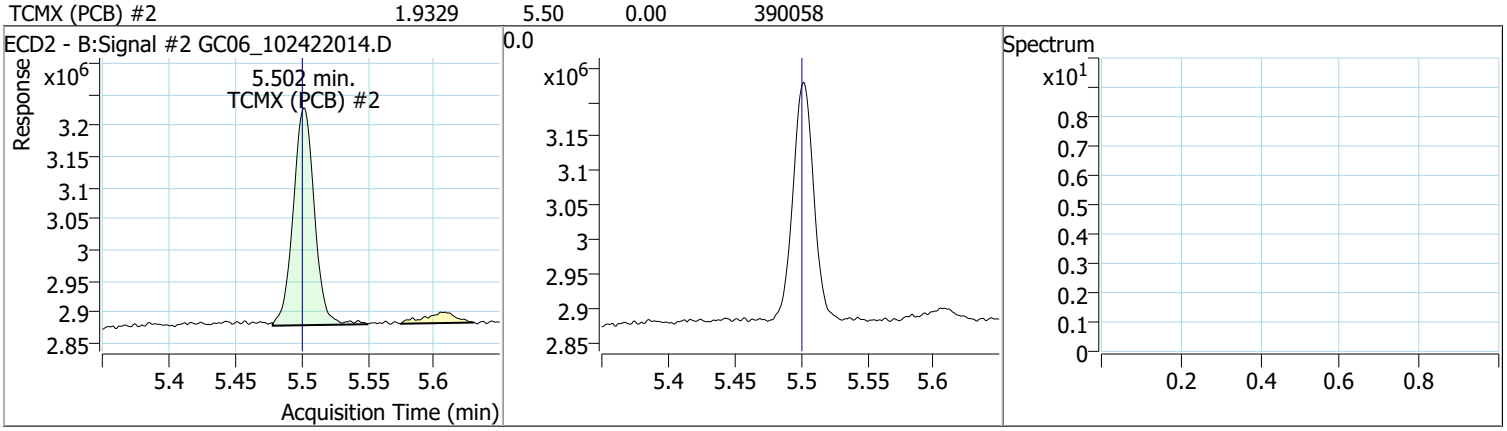
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1171	5.10	0.00	105556				



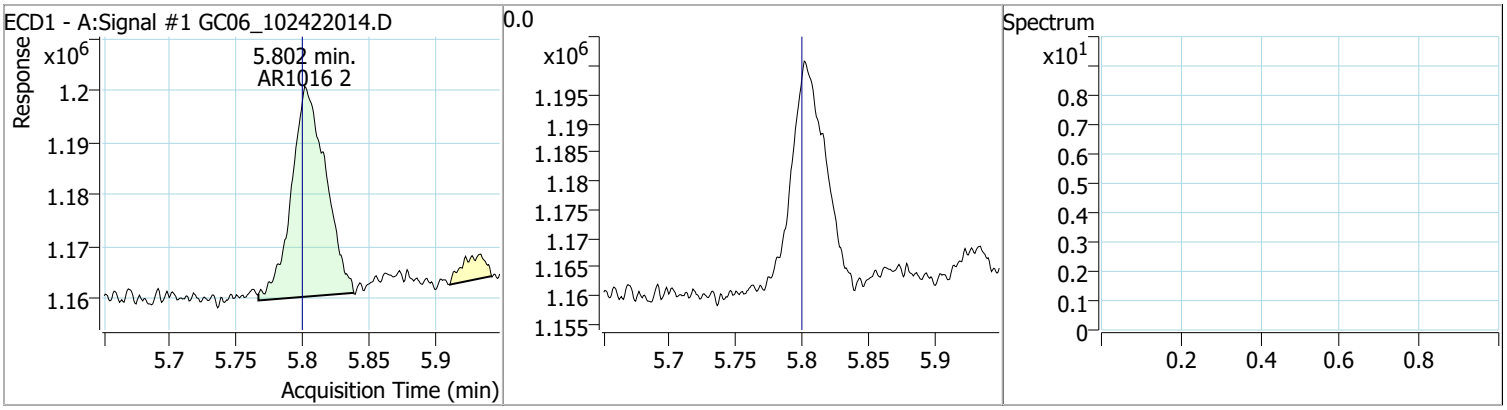
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.1951	5.46	0.00	28480				



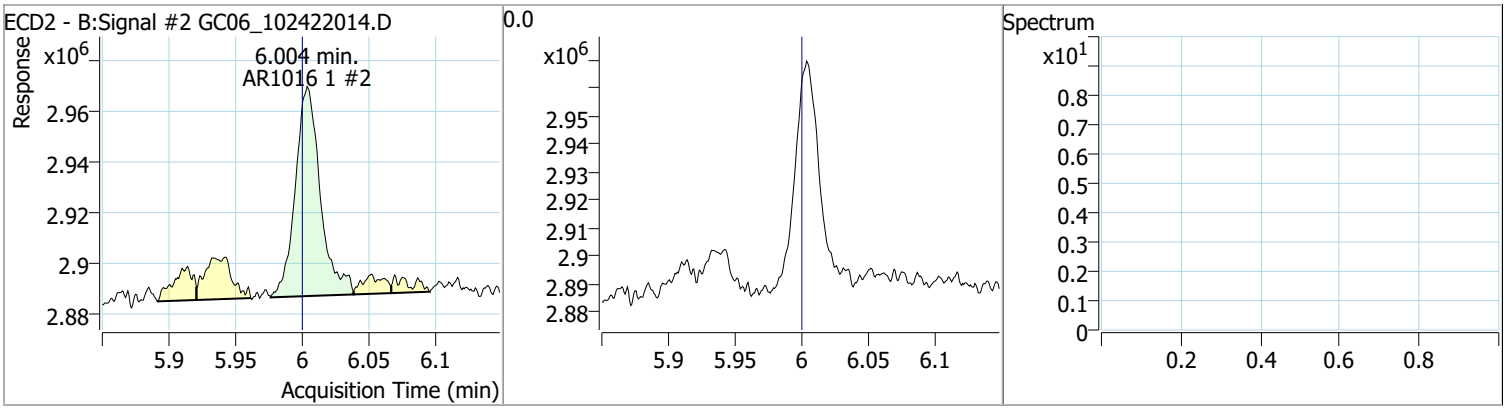
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9329	5.50	0.00	390058				



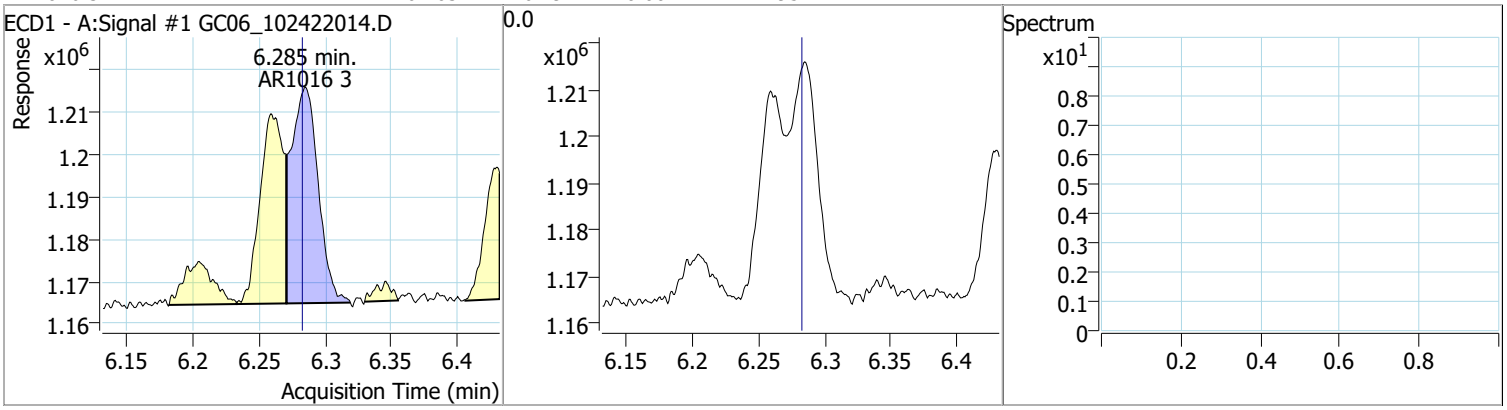
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.4116	5.80	0.00	73072				



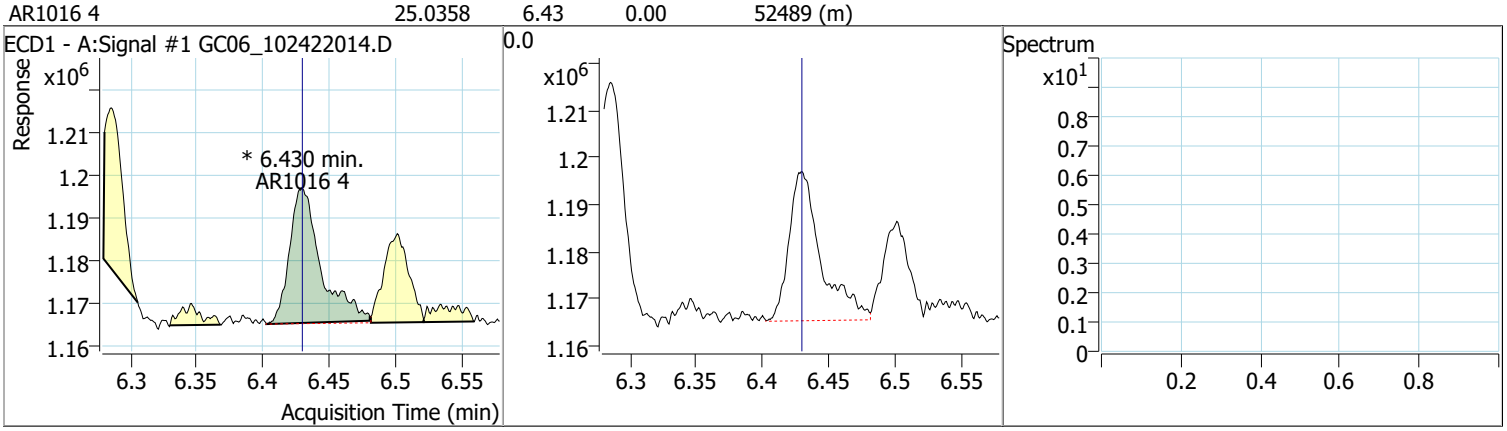
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.8502	6.00	0.00	108525				



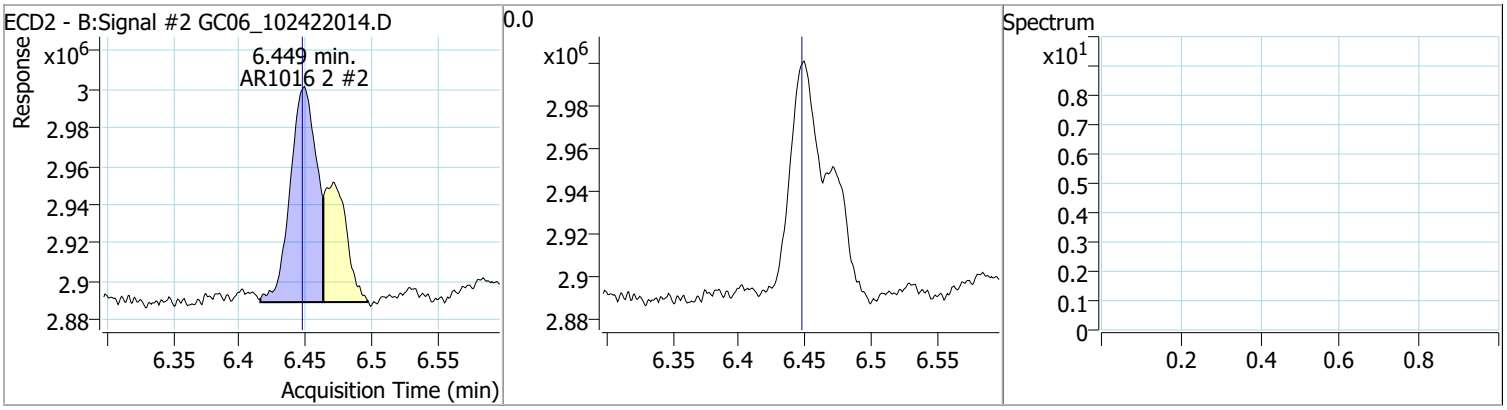
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.1037	6.29	0.00	71957				



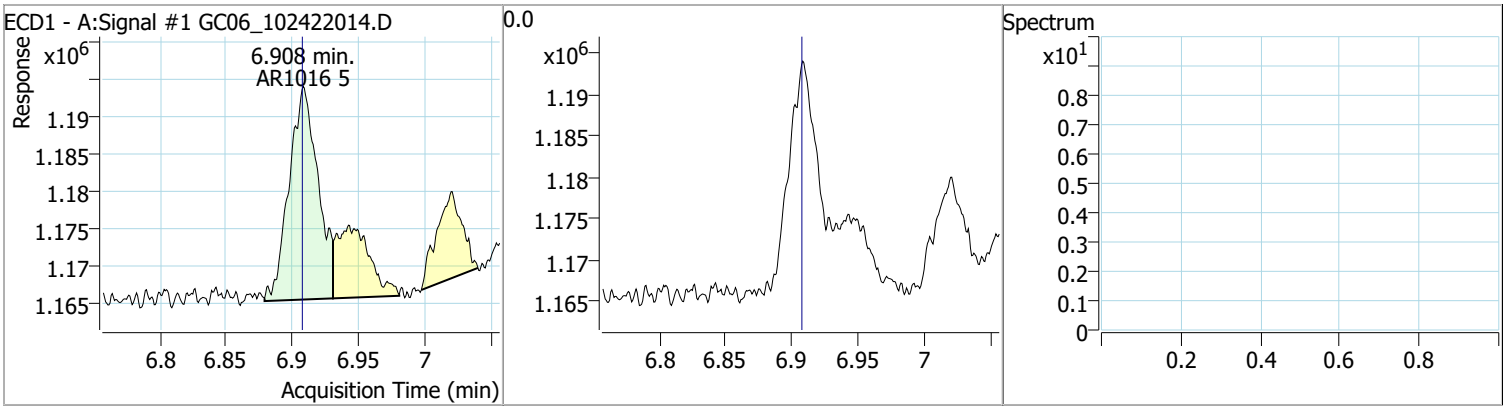
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.0358	6.43	0.00	52489 (m)				



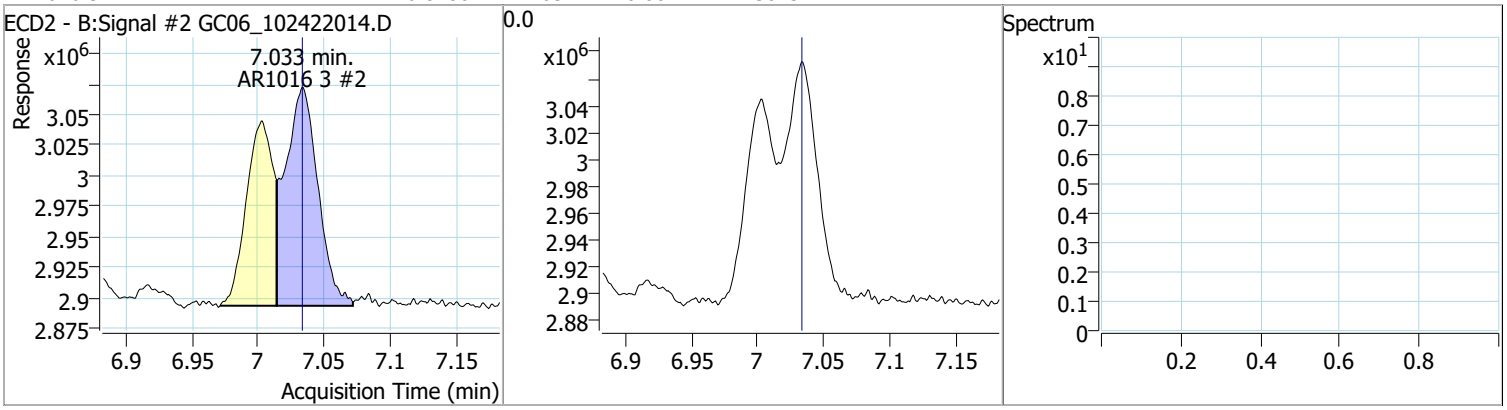
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.5828	6.45	0.00	154975				



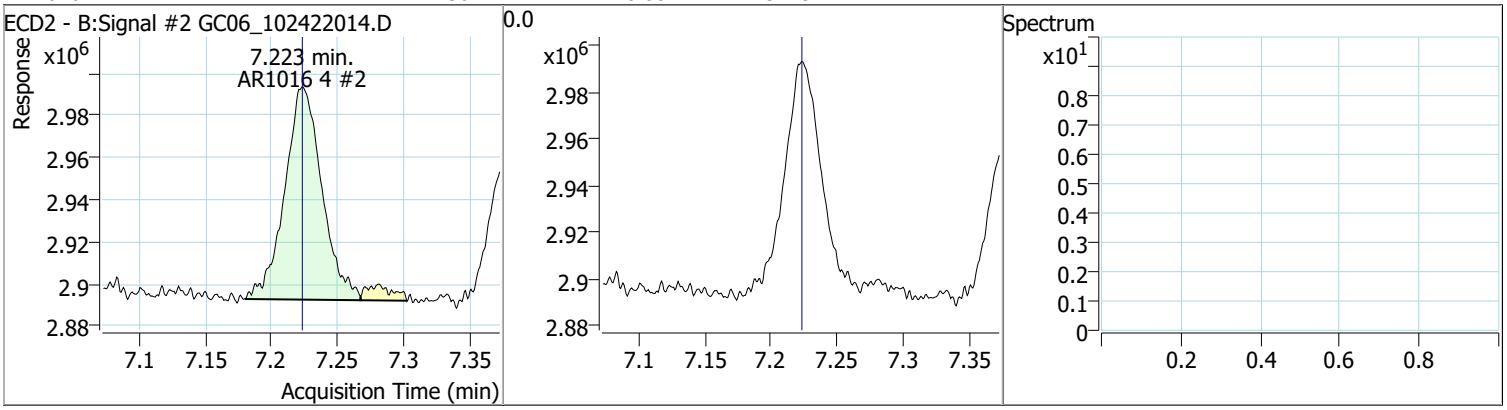
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.6262	6.91	0.00	43275				



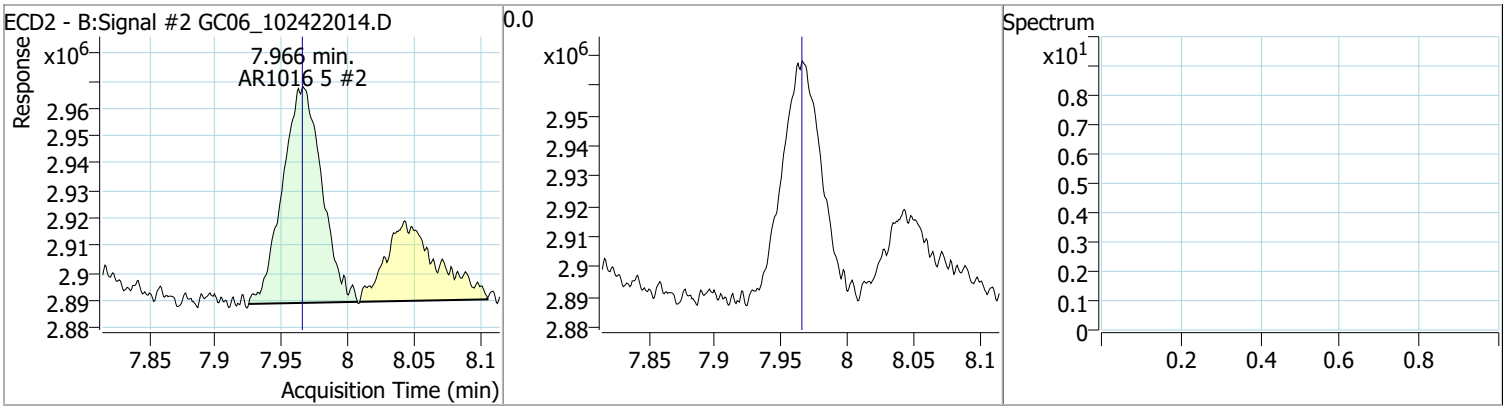
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.8286	7.03	0.00	307317				



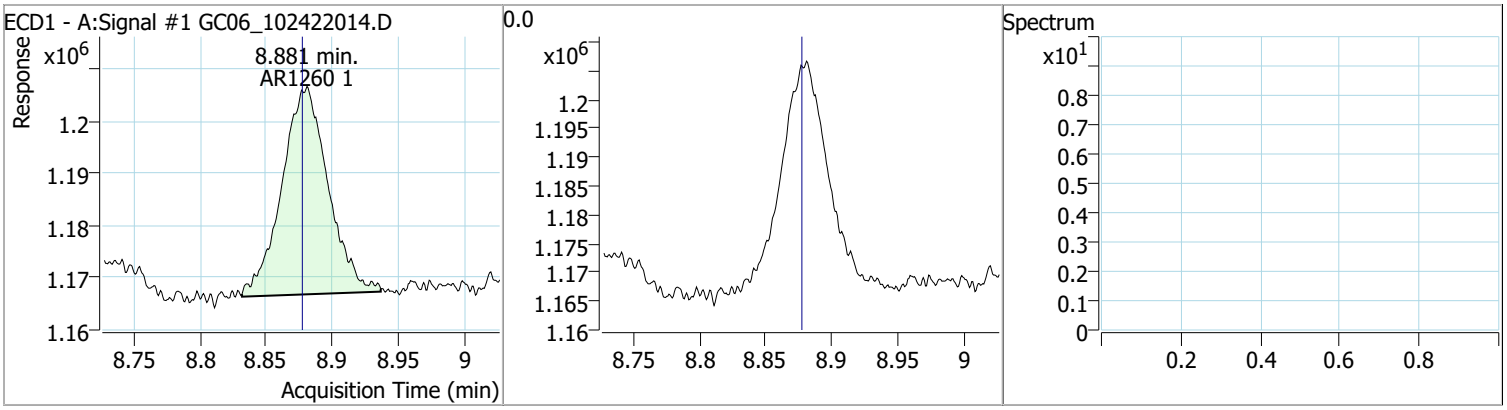
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.1430	7.22	0.00	197434				



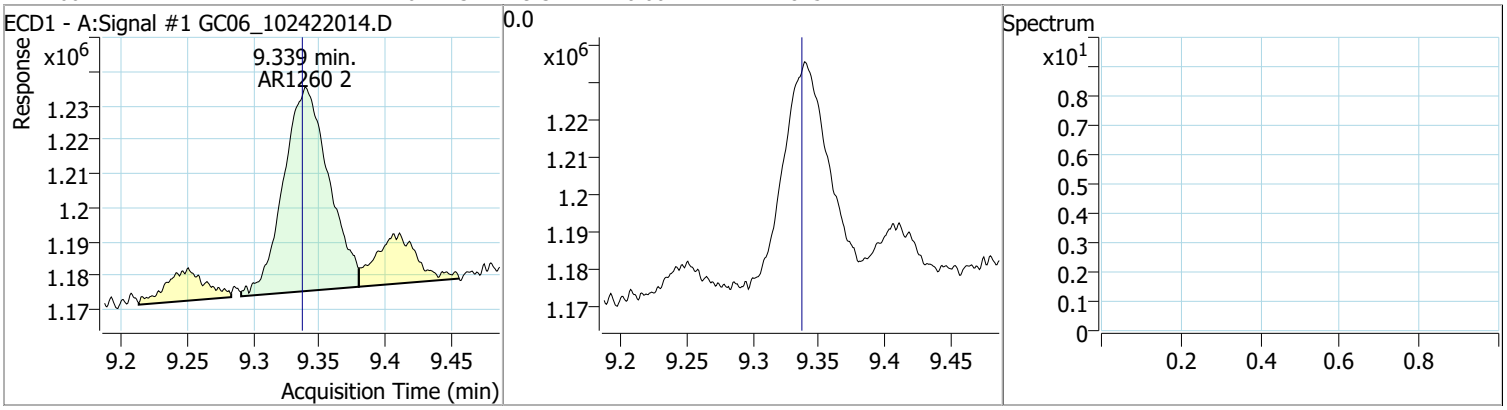
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5634	7.97	0.00	163278				



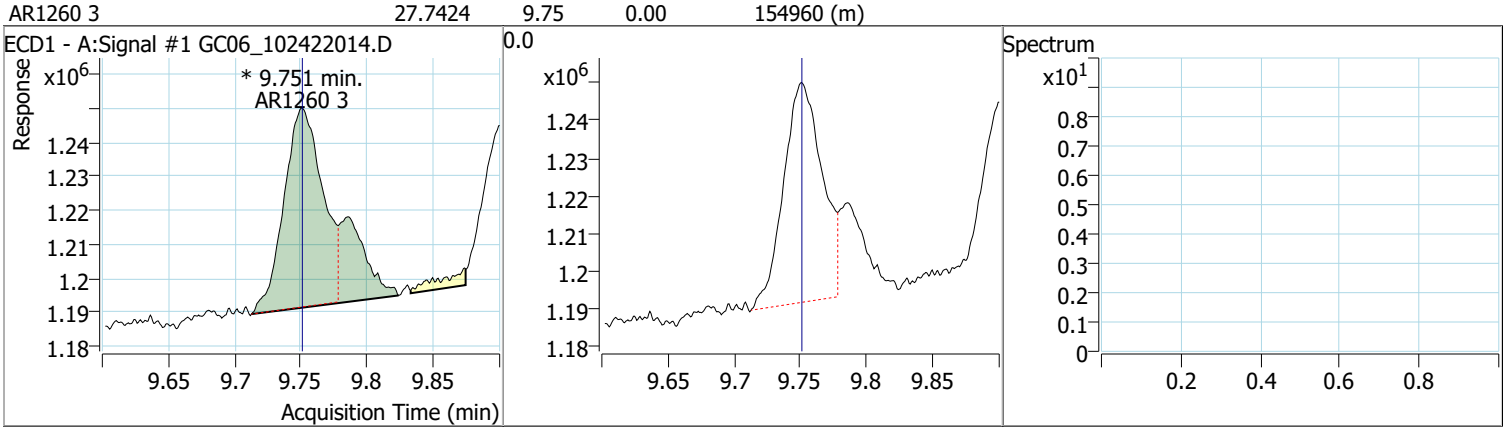
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.7000	8.88	0.00	97121				



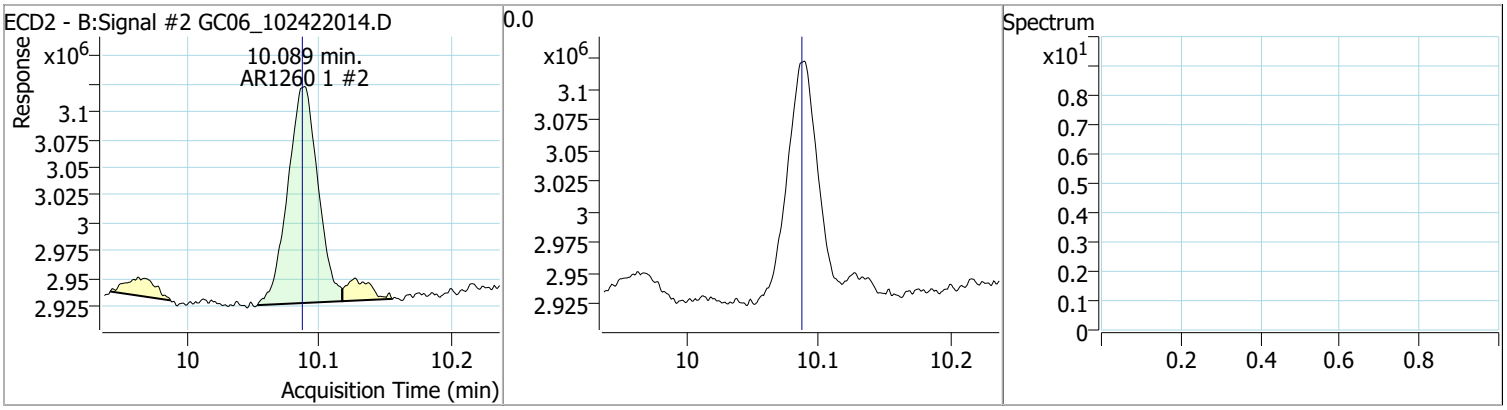
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.7243	9.34	0.00	142815				



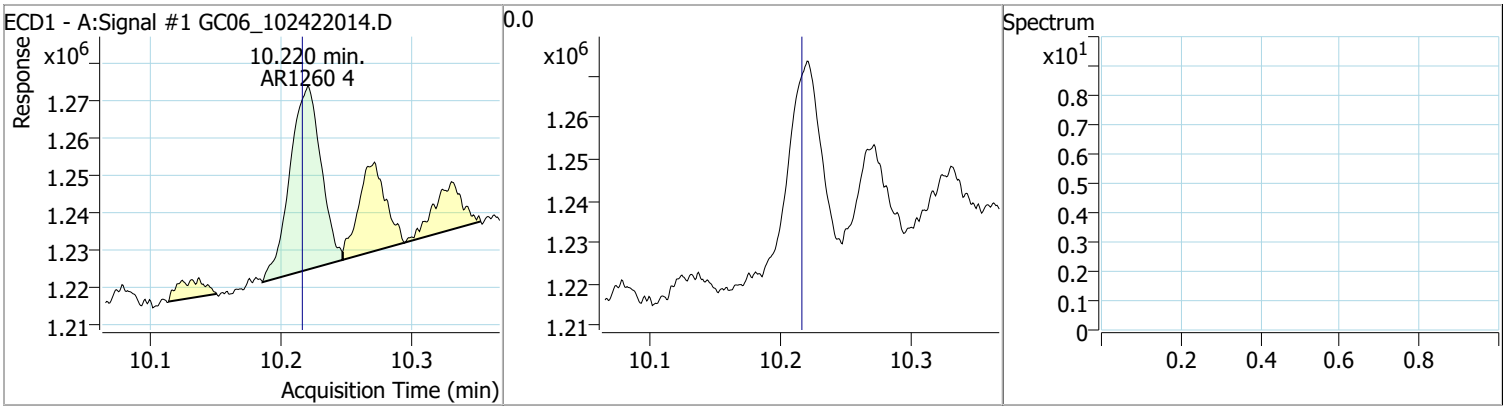
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.7424	9.75	0.00	154960 (m)				



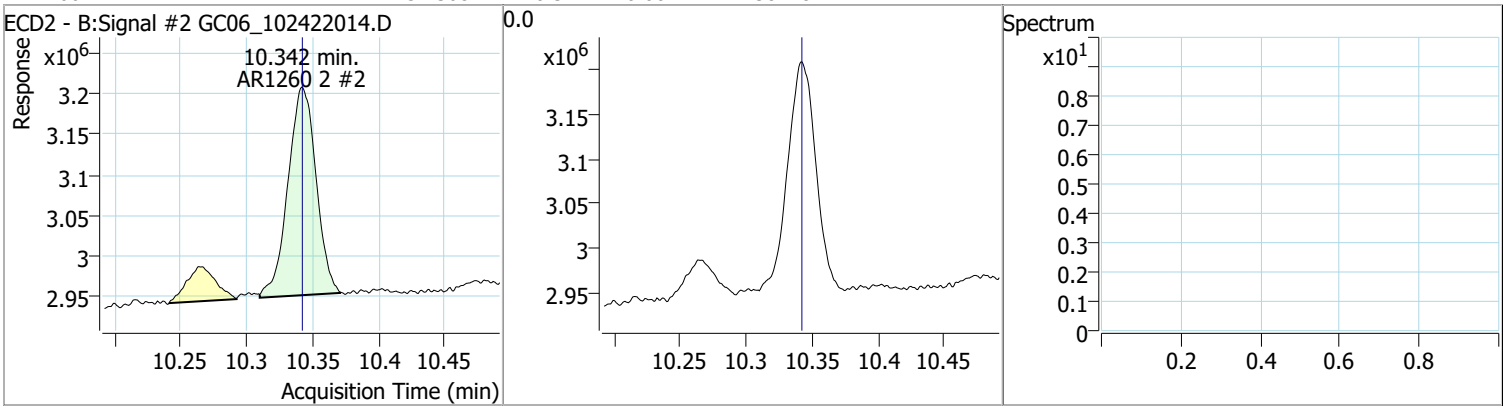
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.8911	10.09	0.00	311262				



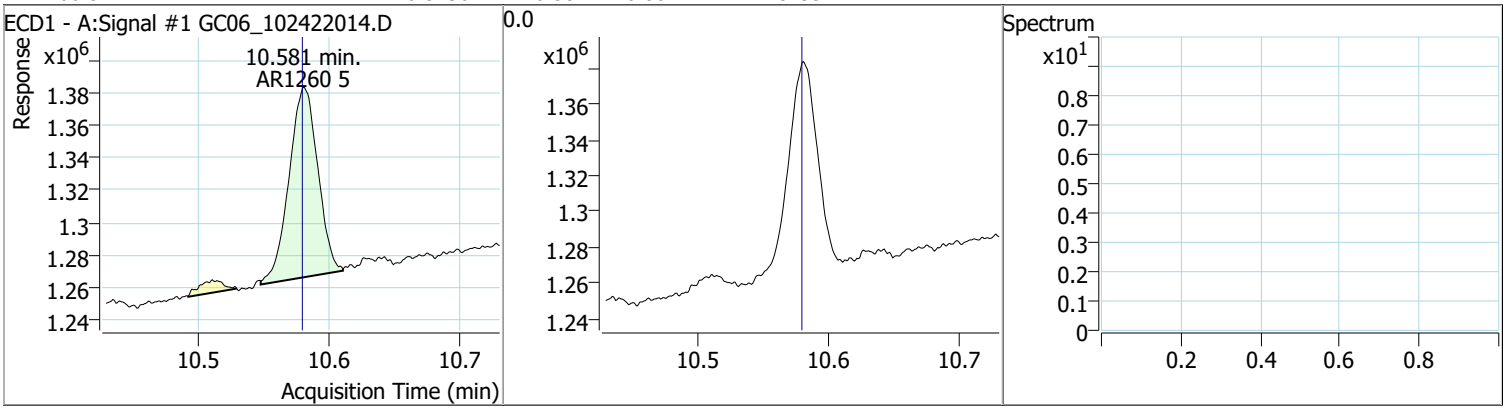
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.8240	10.22	0.00	80436				



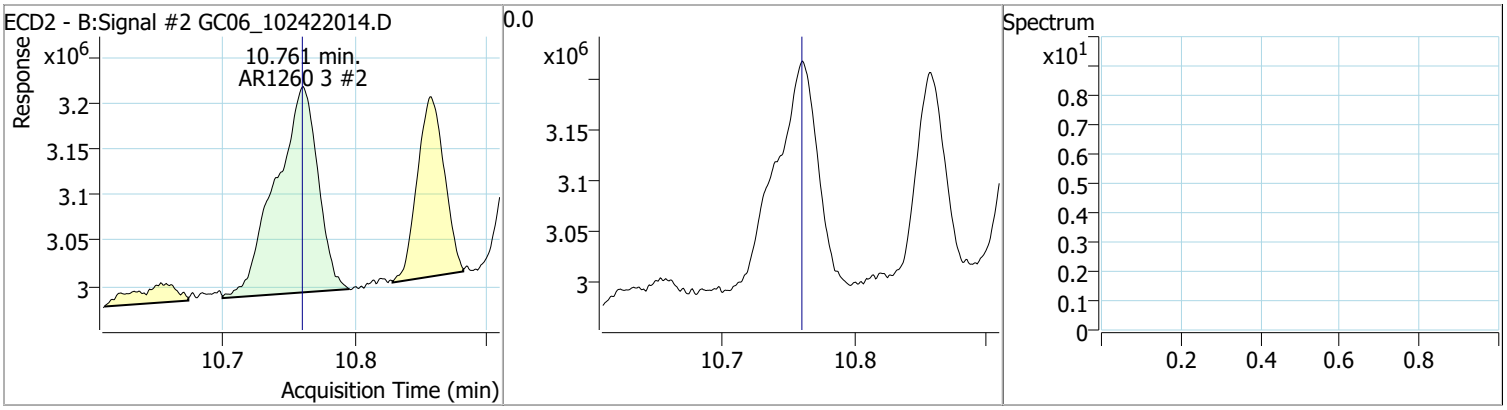
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.4368	10.34	0.00	382187				



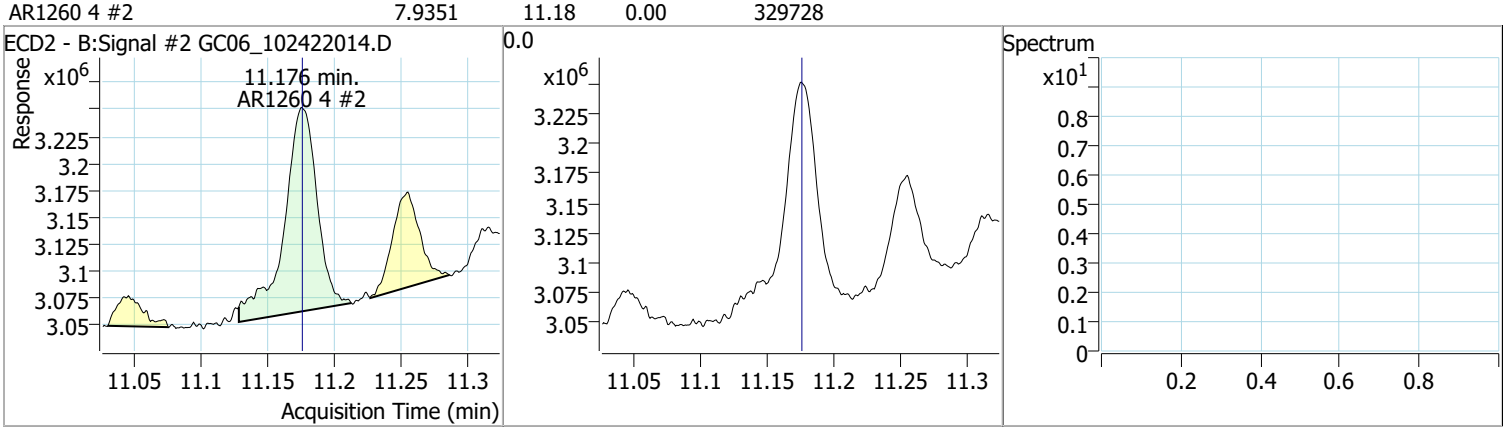
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.5736	10.58	0.00	178299				



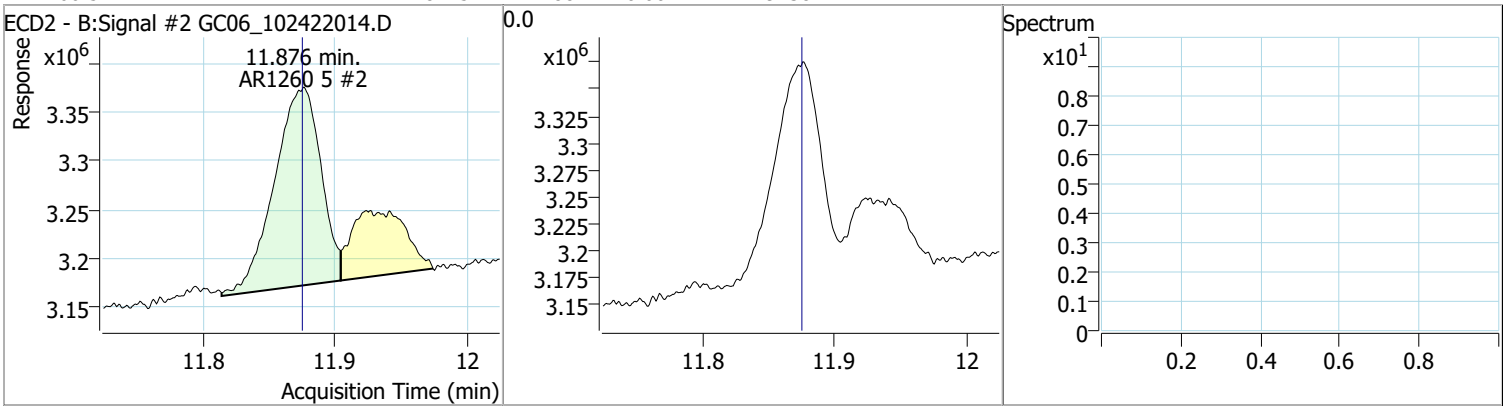
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	26.2151	10.76	0.00	498567				



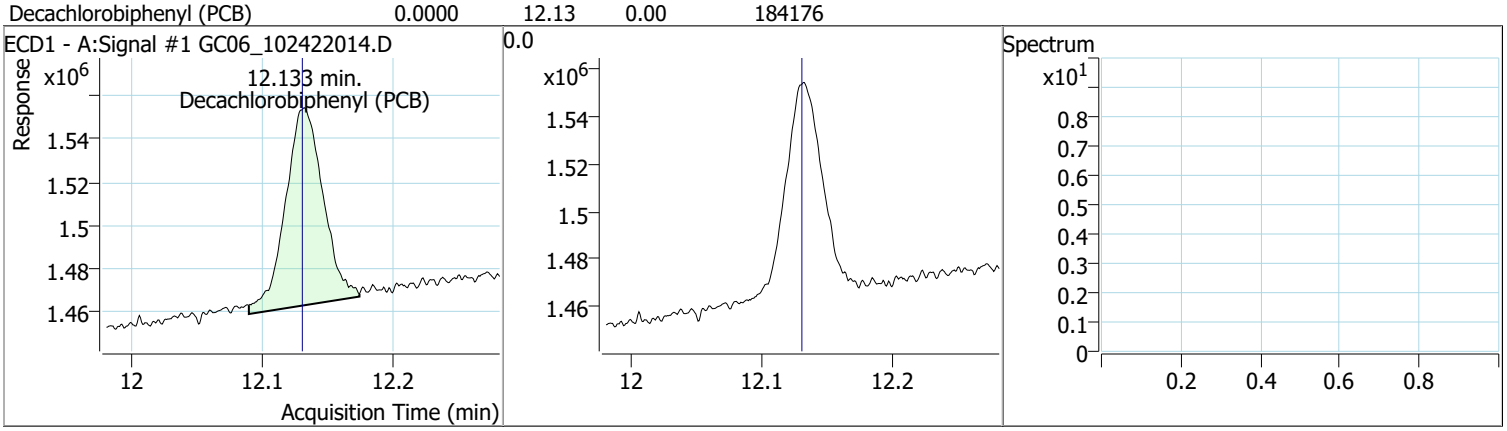
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9351	11.18	0.00	329728				



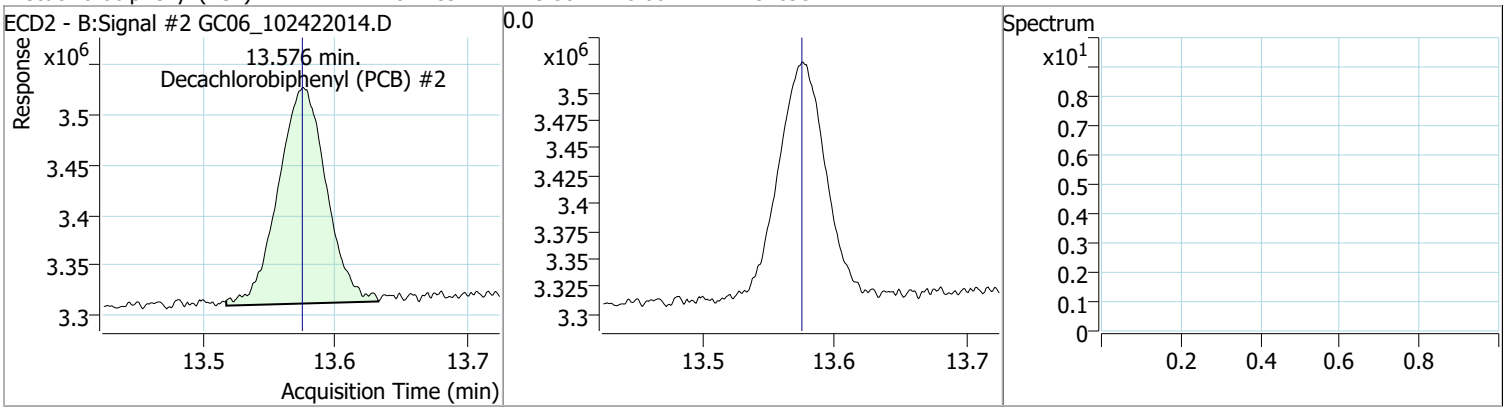
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8115	11.88	0.00	497381				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.13	0.00	184176				

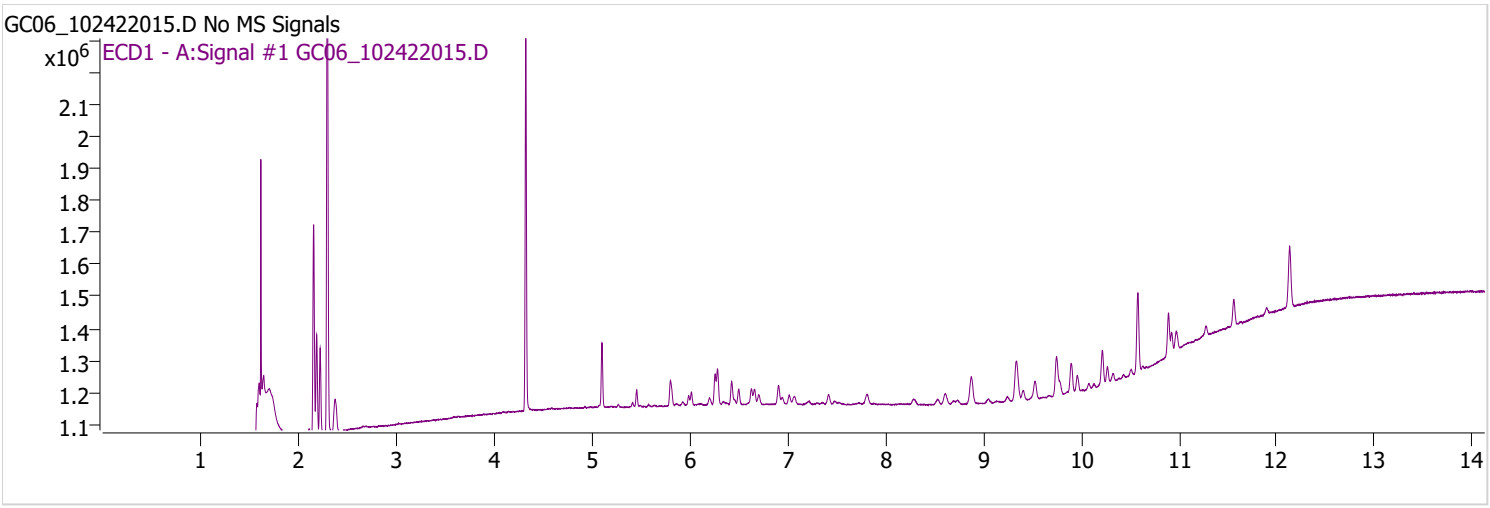


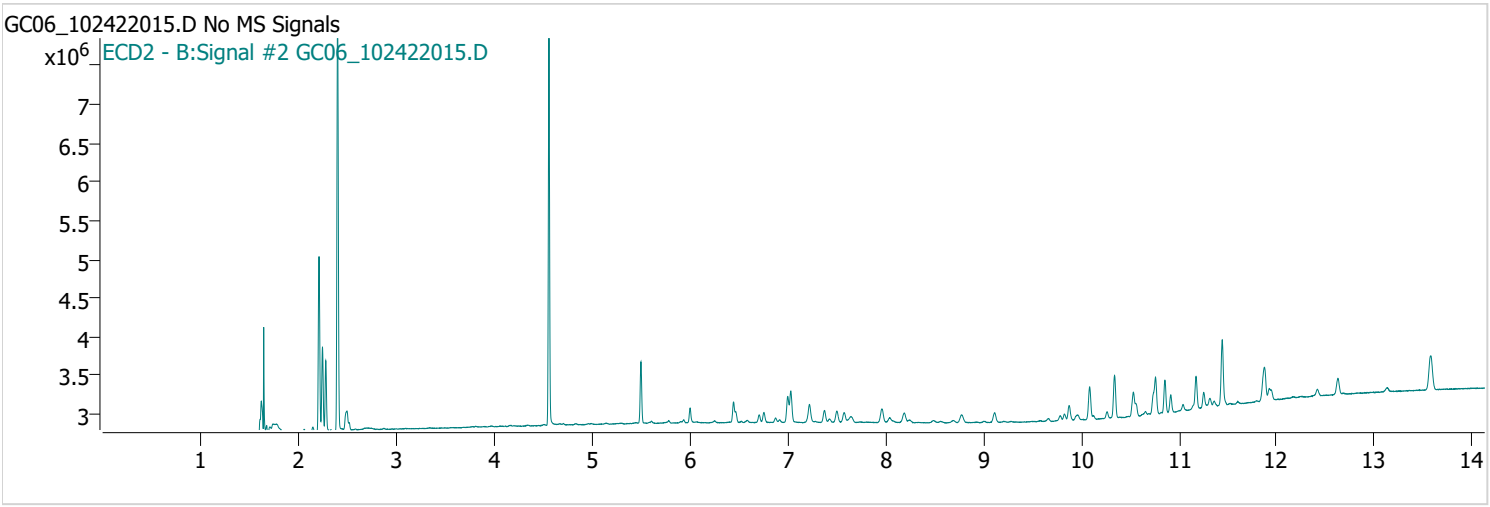
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.4459	13.58	0.00	546954				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:44:04 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



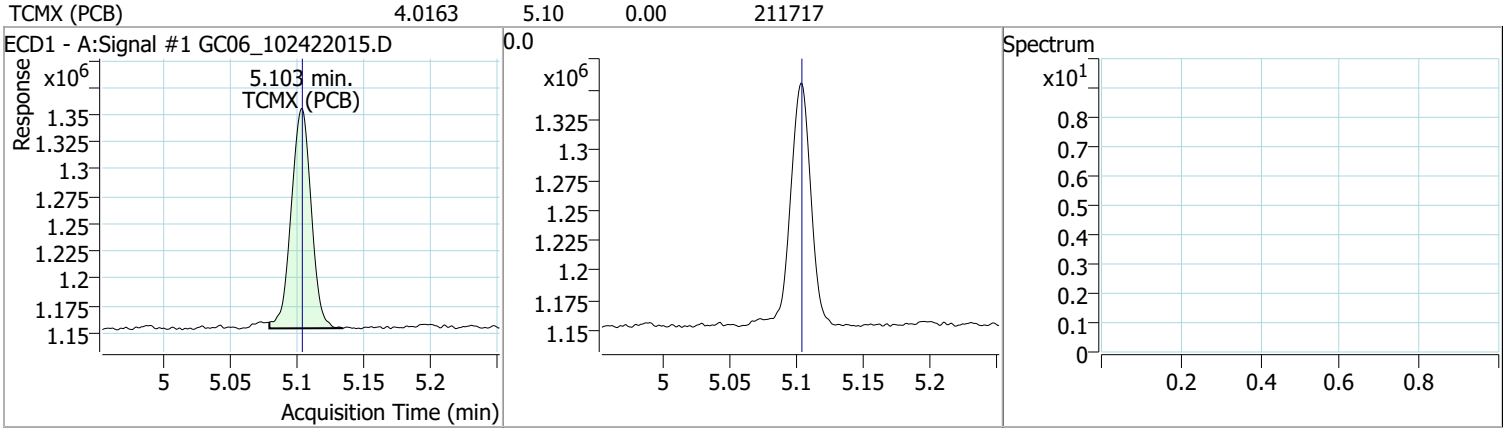


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1096423.491	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4414084.352	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	211717.395	4.0163	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.08%		*	
S TCMX (PCB) #2	5.502	0.0	880844.251	4.1552	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.78%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	366663.673	1.1956	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.98%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	1117873.667	2.8657	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.33%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	62800.739	54.6321	ng/ml		100
T AR1016 2	5.803	0.0	135262.778	43.7895	ng/ml		100

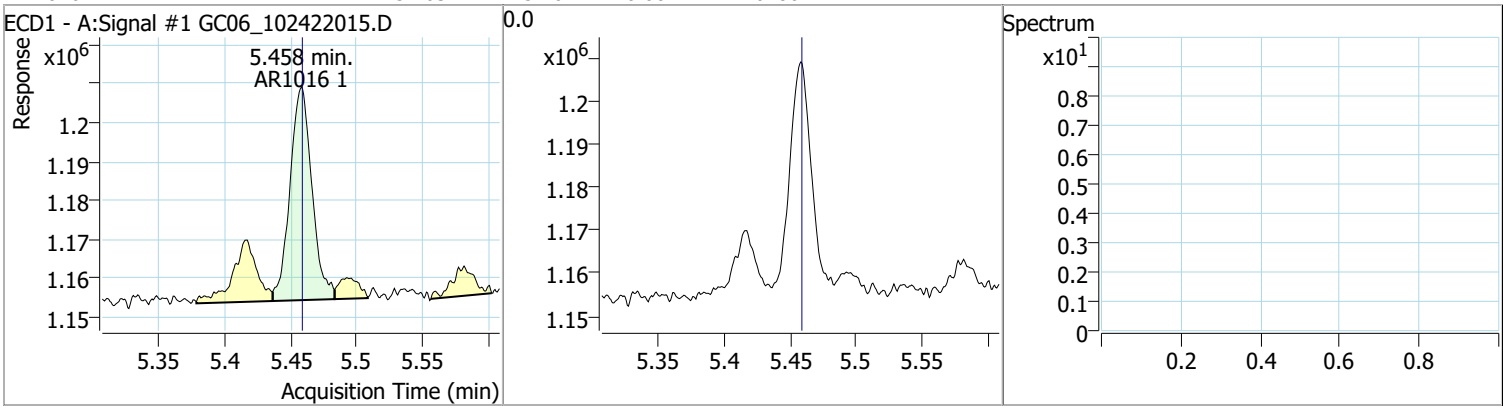
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	6.004	0.0	246736.718	53.7828	ng/ml		100
T AR1016 3	6.284	0.0	156745.895	53.7814	ng/ml		100
T AR1016 4	6.429	0.0	121378.176	54.7573	ng/ml	m	100
T AR1016 2 #2	6.448	0.0	361879.943	54.6441	ng/ml	m	100
T AR1016 5	6.907	0.0	97415.221	54.5615	ng/ml		100
T AR1016 3 #2	7.033	0.0	652565.398	54.2308	ng/ml		100
T AR1016 4 #2	7.223	0.0	469712.957	54.6779	ng/ml		100
T AR1016 5 #2	7.964	0.0	370461.655	53.0536	ng/ml		100
T AR1260 1	8.878	0.0	198864.945	53.6454	ng/ml		100
T AR1260 2	9.339	0.0	301488.499	53.3592	ng/ml		100
T AR1260 3	9.749	0.0	298525.793	50.5491	ng/ml		100
T AR1260 1 #2	10.088	0.0	703926.868	53.5865	ng/ml		100
T AR1260 4	10.215	0.0	180050.819	42.2826	ng/ml		100
T AR1260 2 #2	10.342	0.0	881097.856	55.8239	ng/ml		100
T AR1260 5	10.580	0.0	395492.284	42.0555	ng/ml		100
T AR1260 3 #2	10.760	0.0	1078261.882	53.9712	ng/ml		100
T AR1260 4 #2	11.174	0.0	694396.452	39.6741	ng/ml		100
T AR1260 5 #2	11.873	0.0	1020309.367	42.7953	ng/ml		100

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

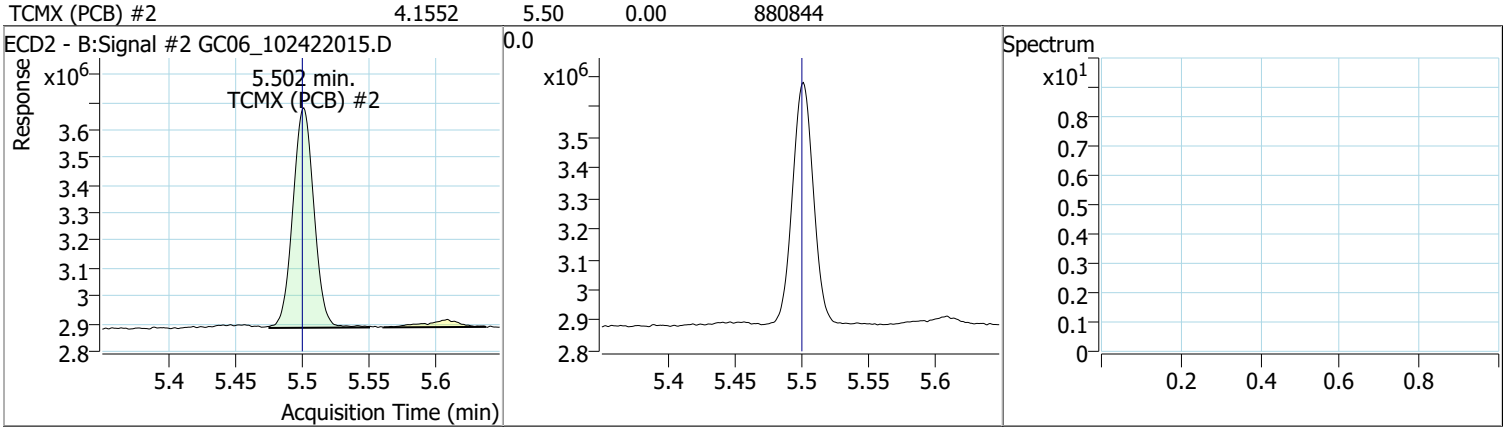
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0163	5.10	0.00	211717				



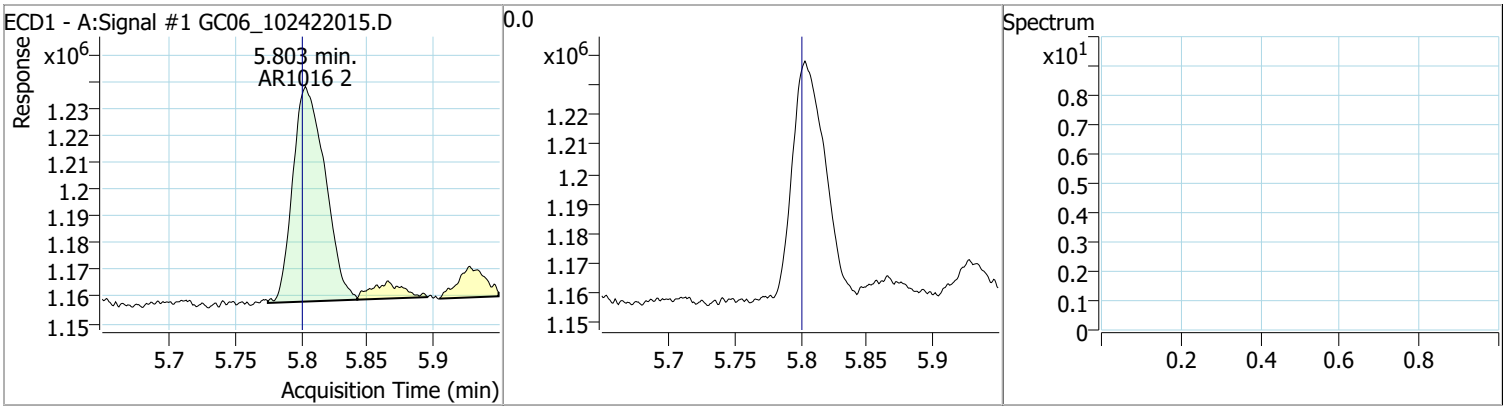
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.6321	5.46	0.00	62801				



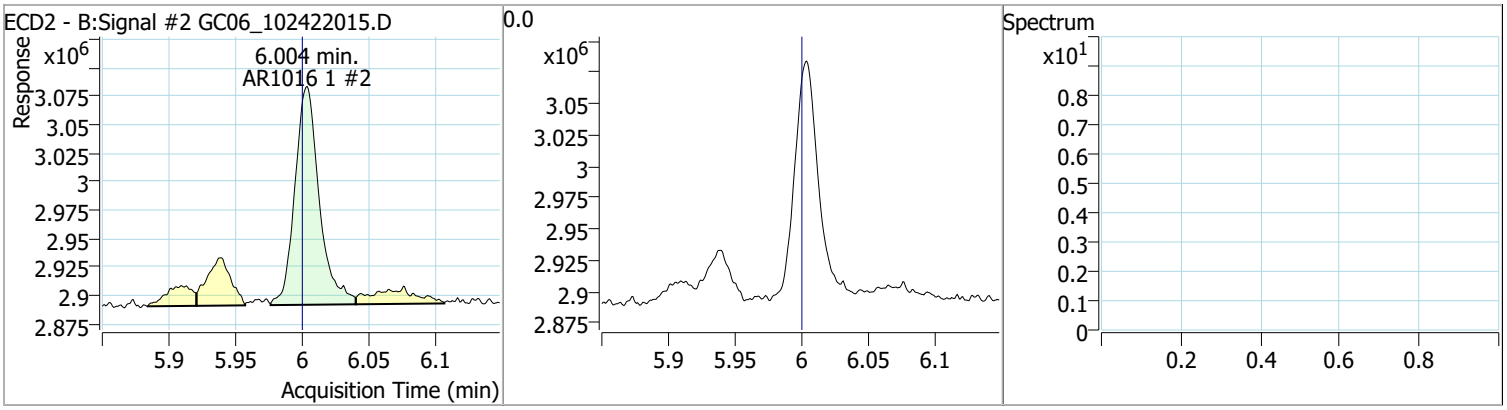
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1552	5.50	0.00	880844				



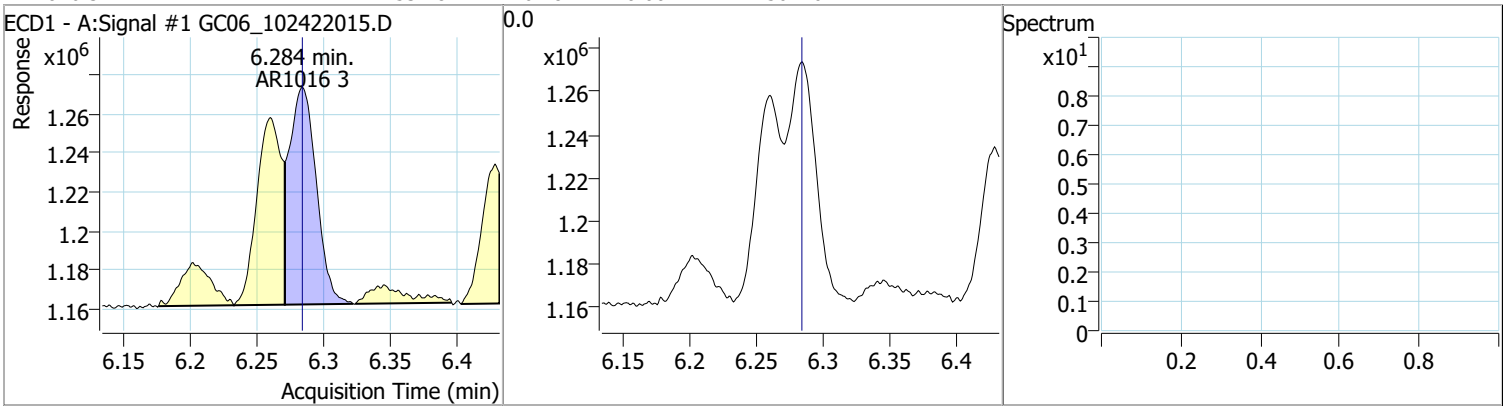
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.7895	5.80	0.00	135263				



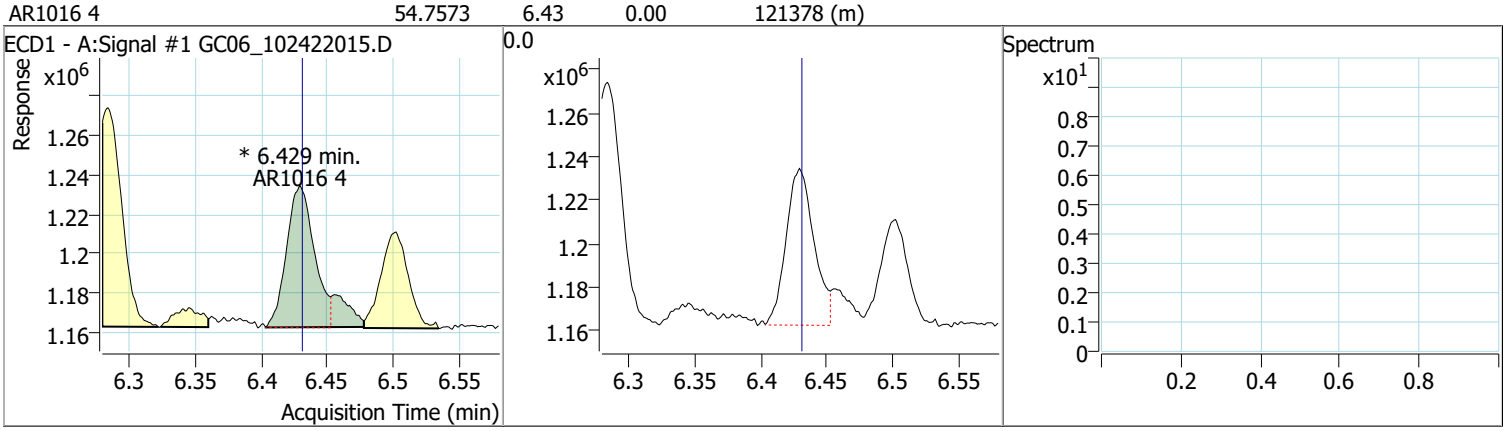
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.7828	6.00	0.00	246737				



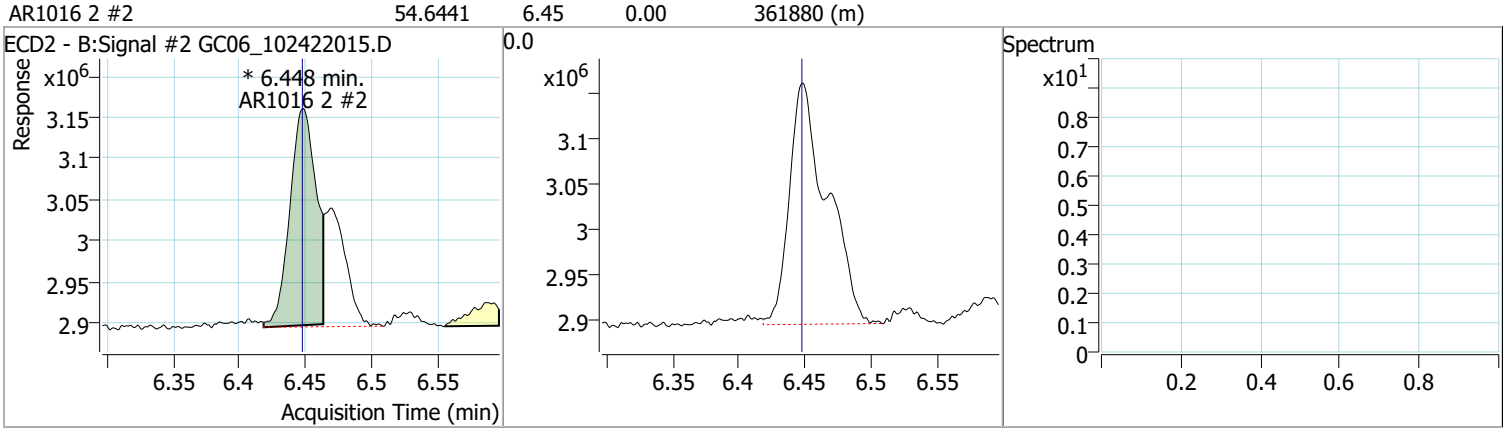
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.7814	6.28	0.00	156746				



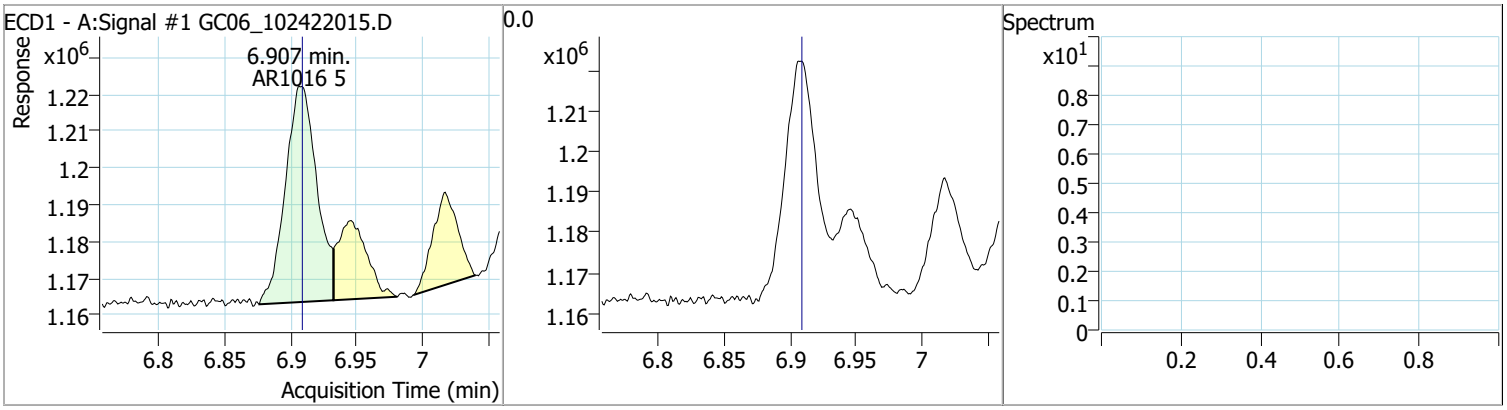
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.7573	6.43	0.00	121378 (m)				



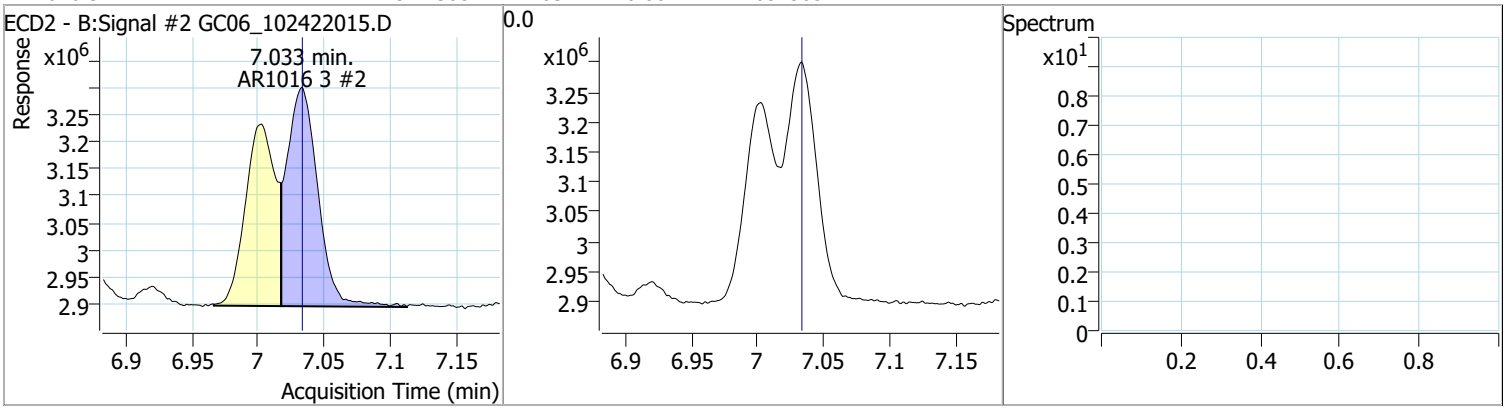
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.6441	6.45	0.00	361880 (m)				



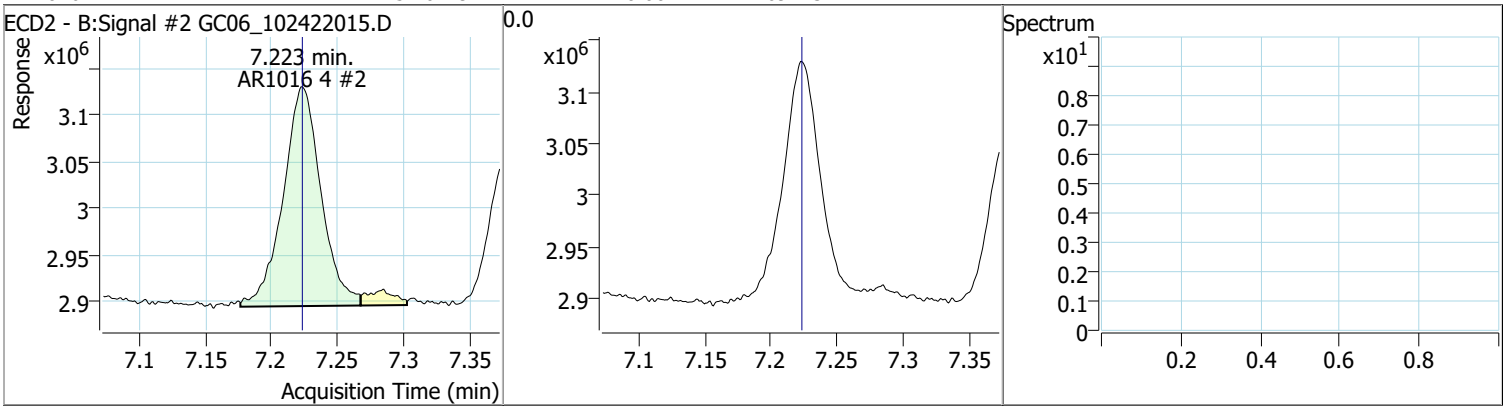
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.5615	6.91	0.00	97415				



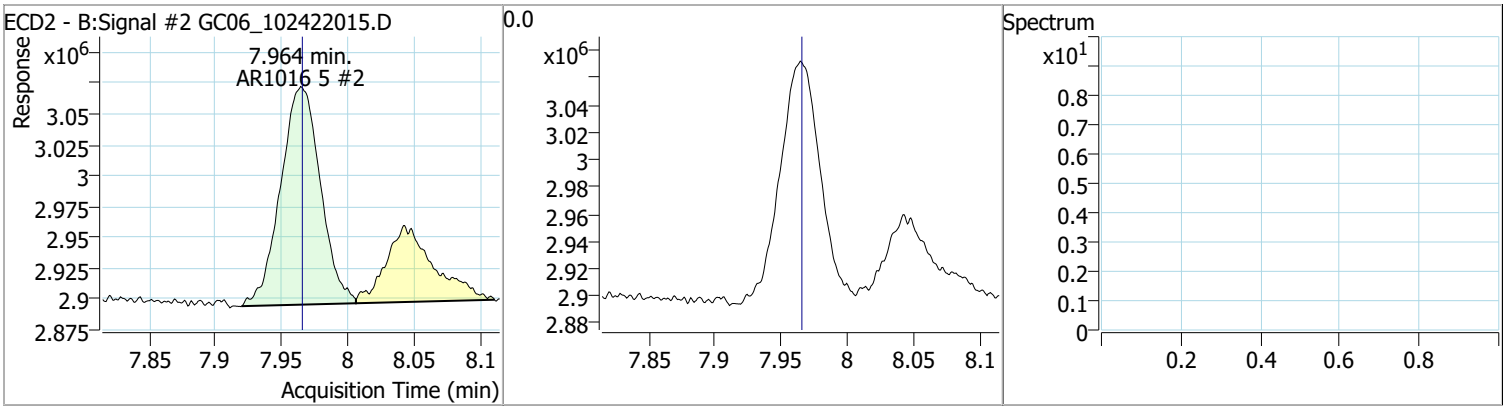
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.2308	7.03	0.00	652565				



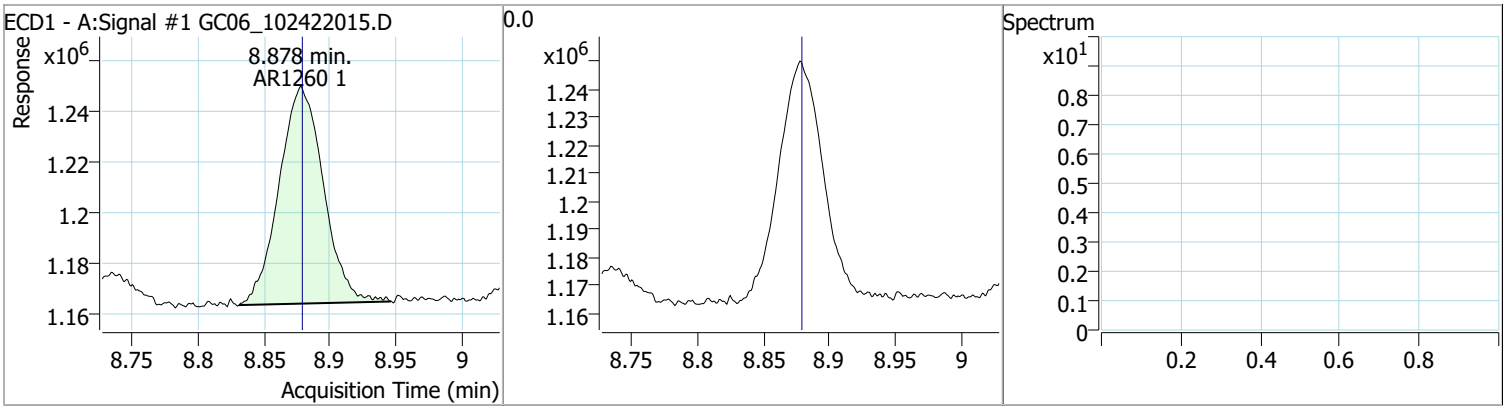
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.6779	7.22	0.00	469713				



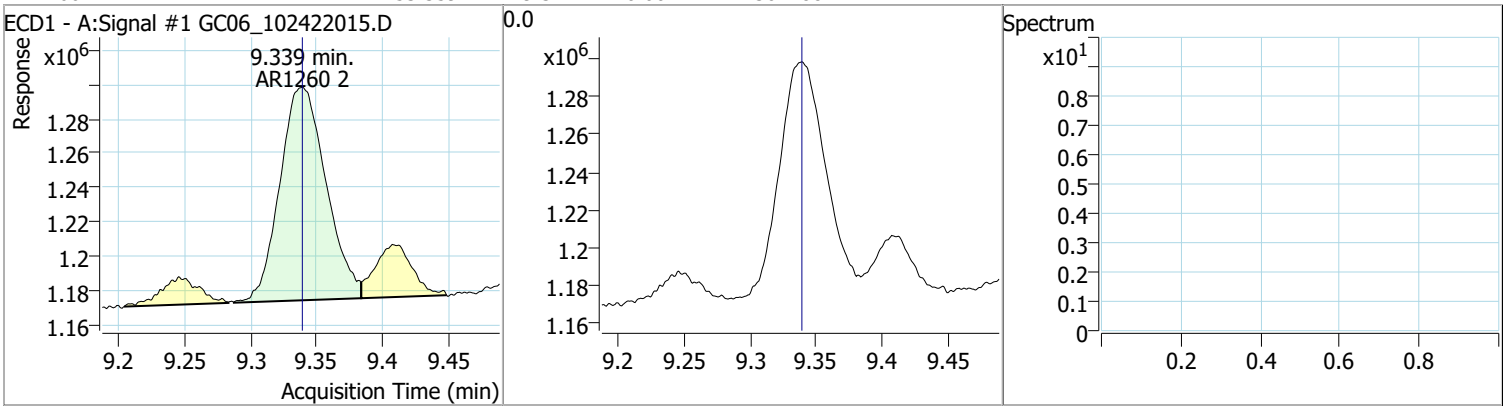
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	53.0536	7.96	0.00	370462				



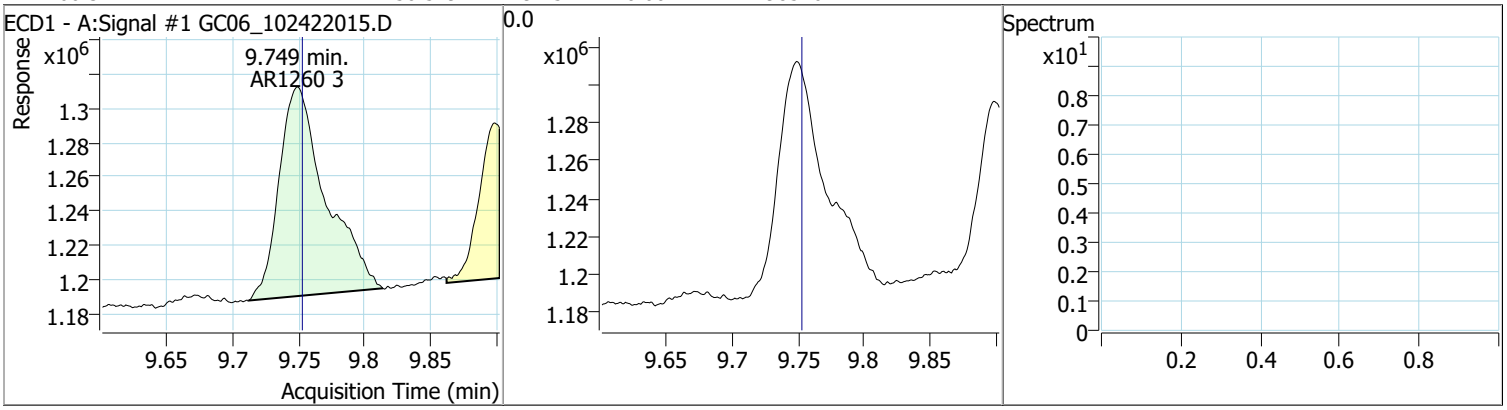
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.6454	8.88	0.00	198865				



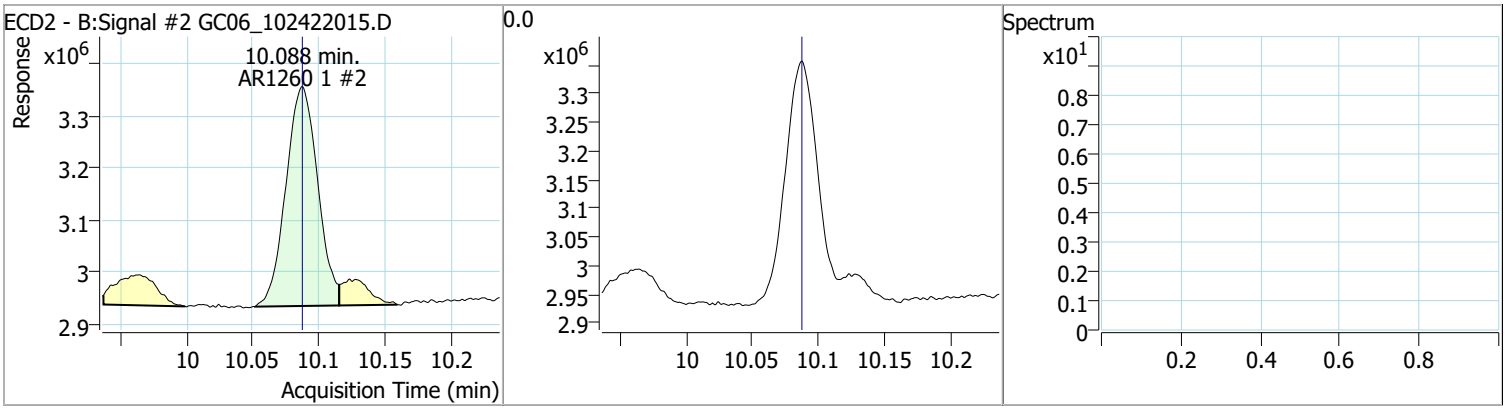
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	53.3592	9.34	0.00	301488				



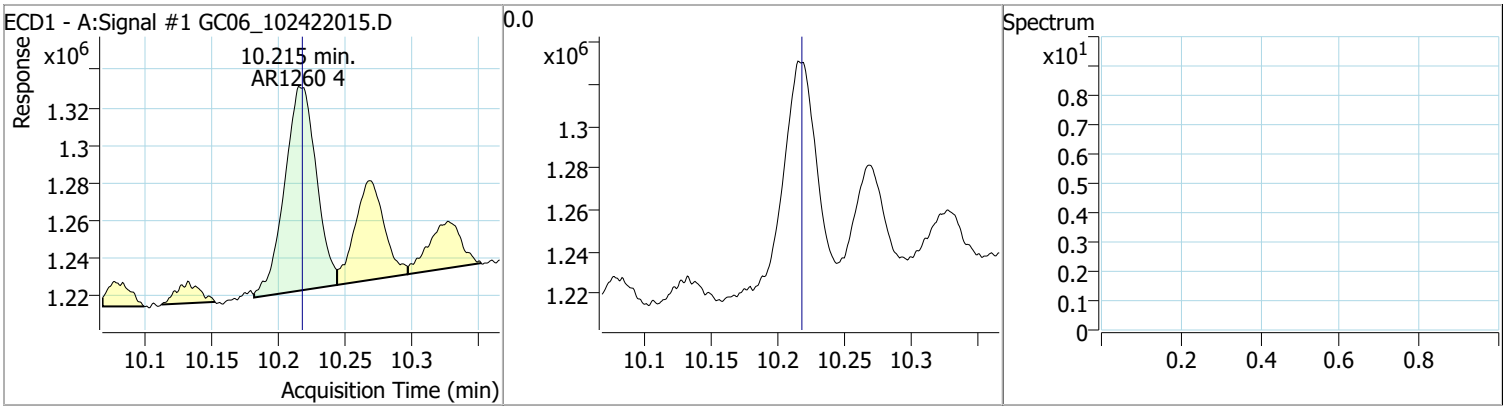
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.5491	9.75	0.00	298526				



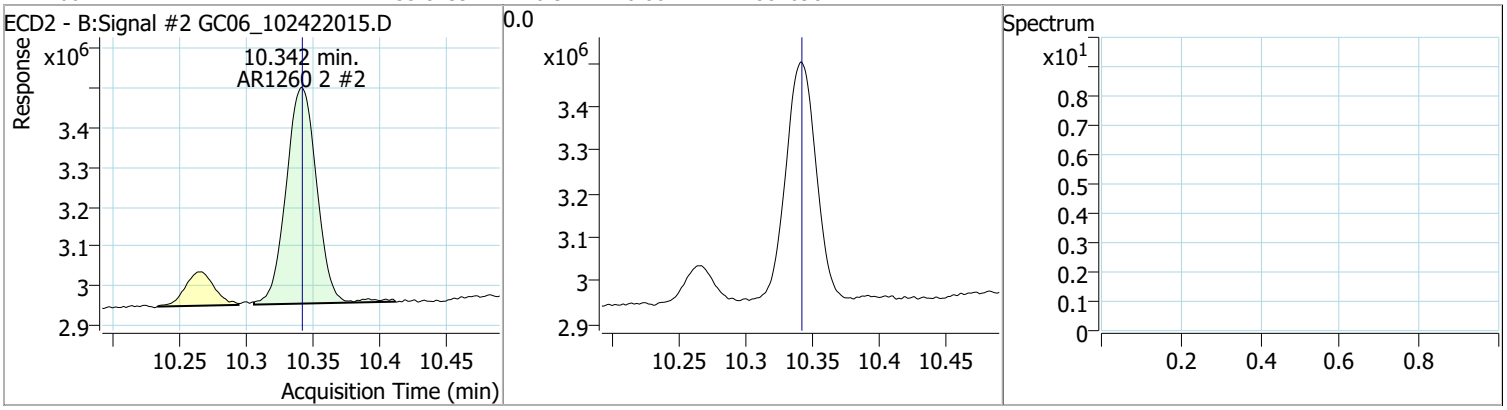
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	53.5865	10.09	0.00	703927				



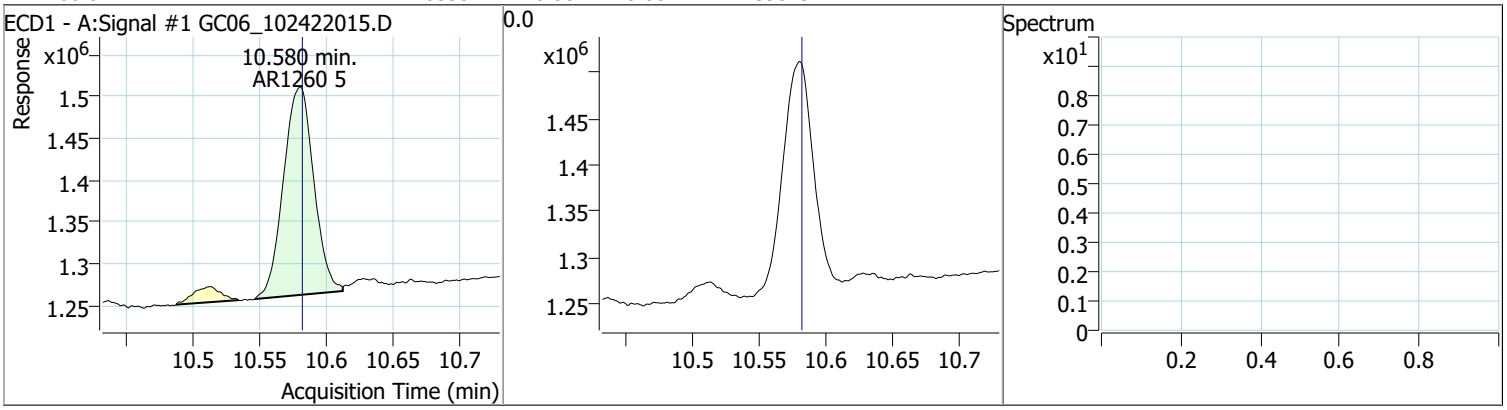
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.2826	10.22	0.00	180051				



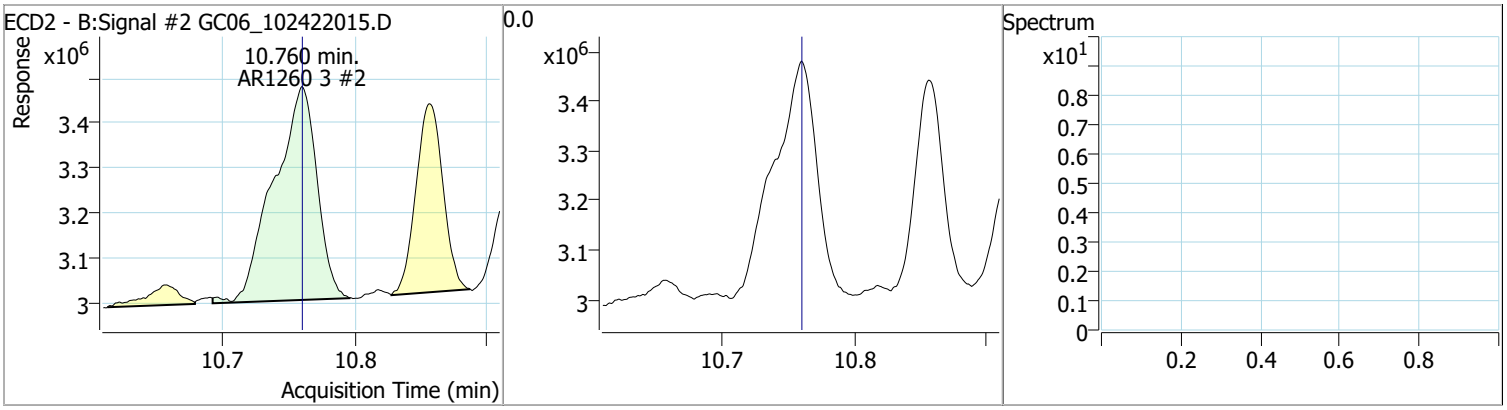
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8239	10.34	0.00	881098				



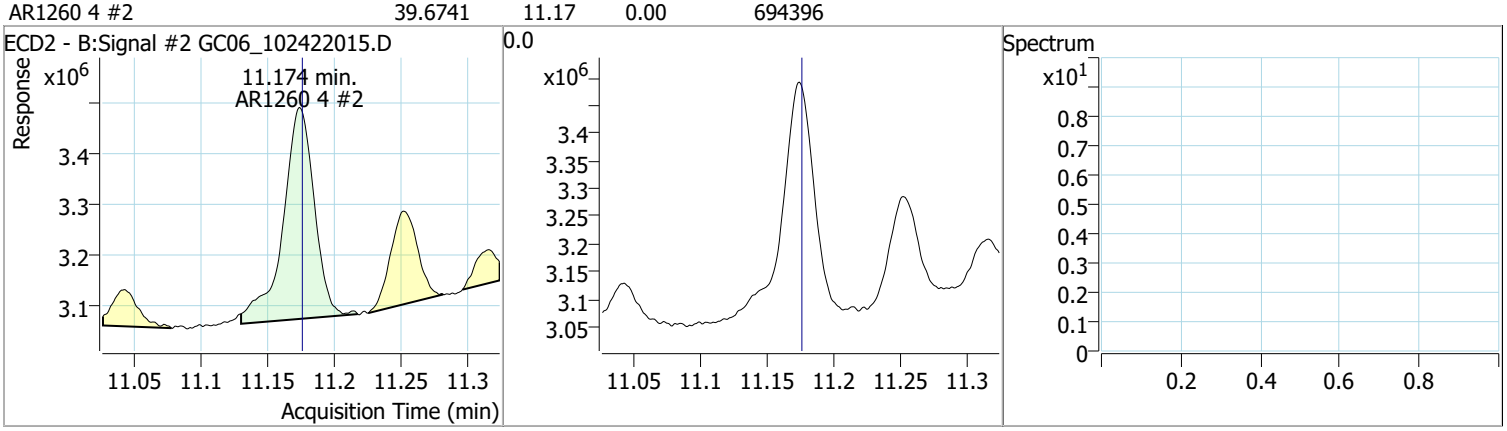
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	42.0555	10.58	0.00	395492				



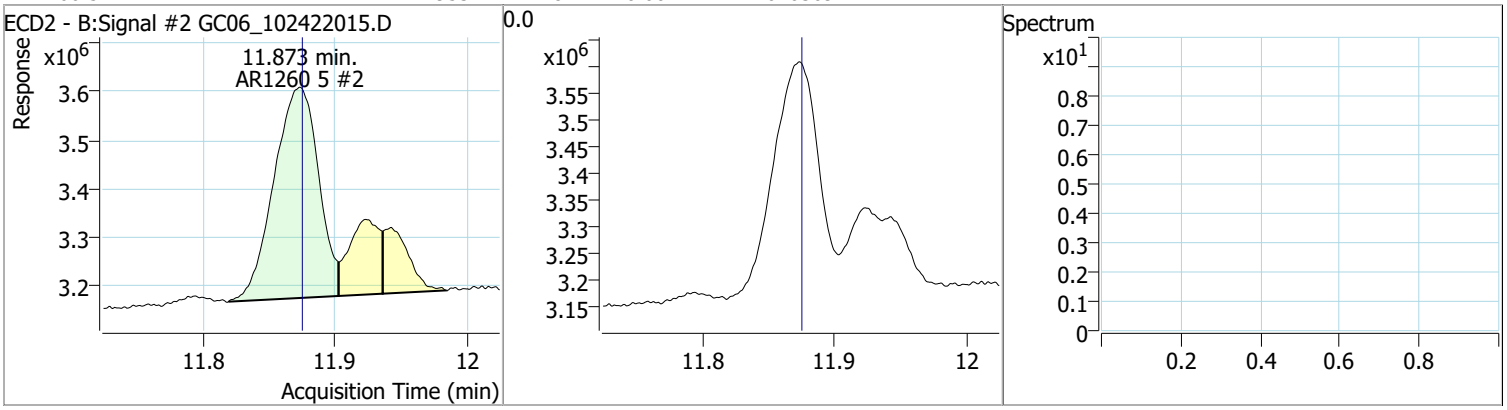
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	53.9712	10.76	0.00	1078262				



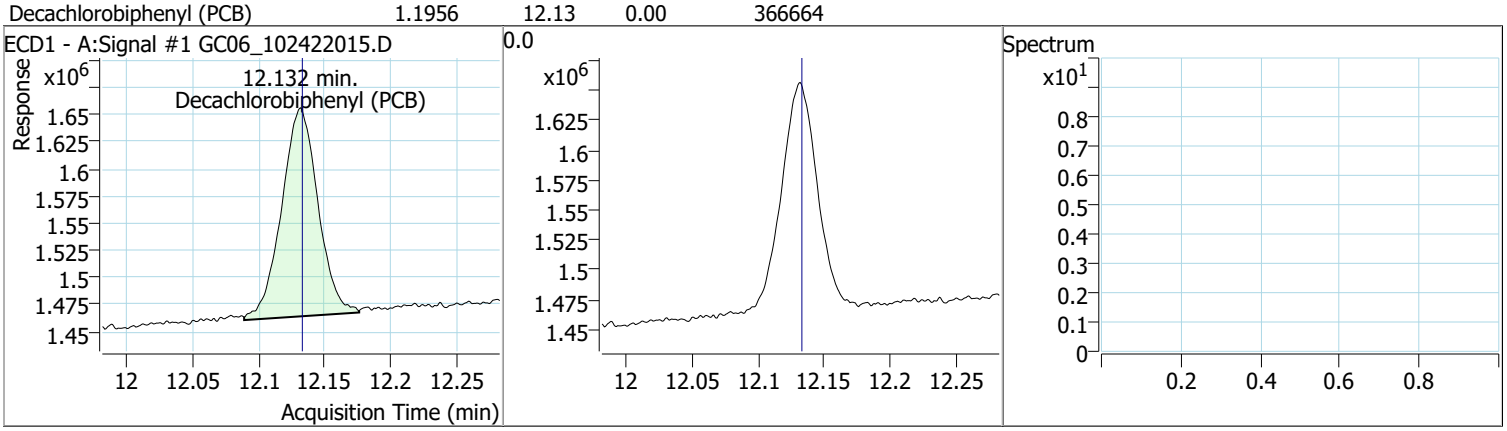
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	39.6741	11.17	0.00	694396				



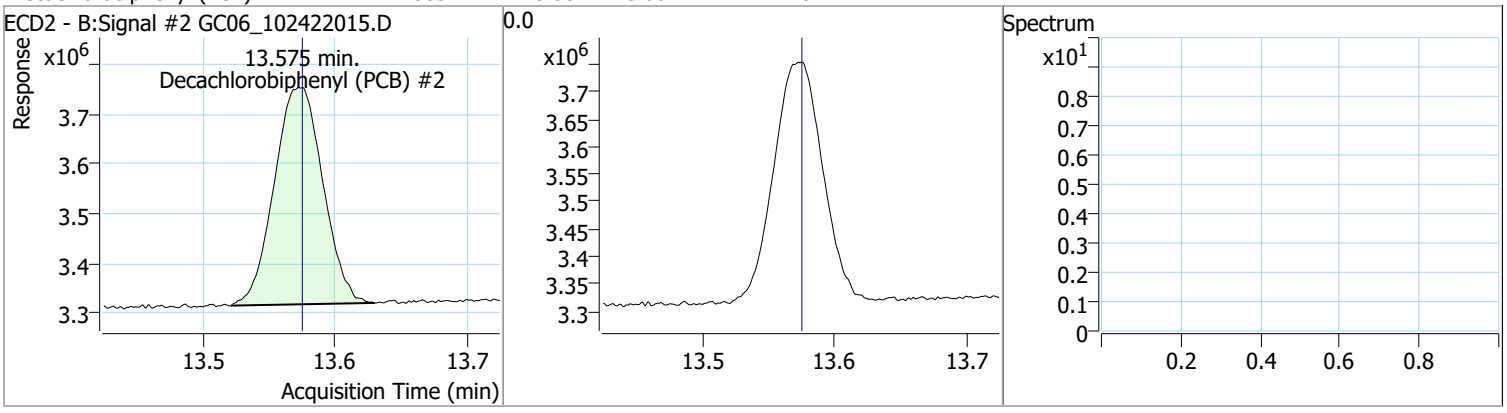
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	42.7953	11.87	0.00	1020309				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1956	12.13	0.00	366664				

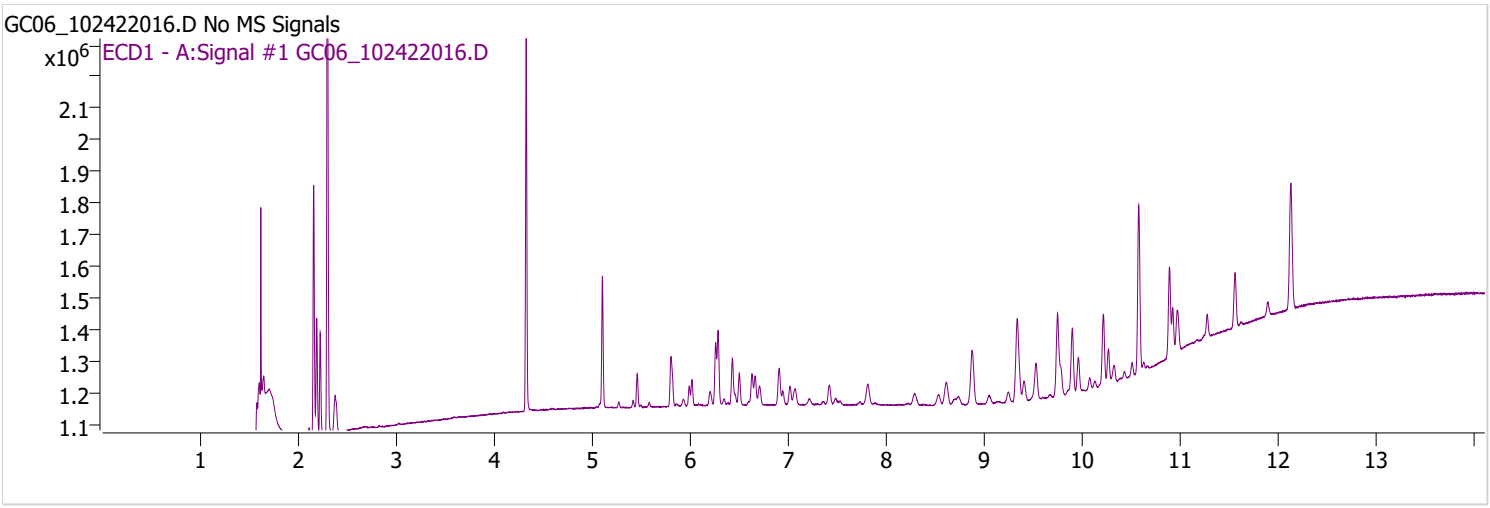


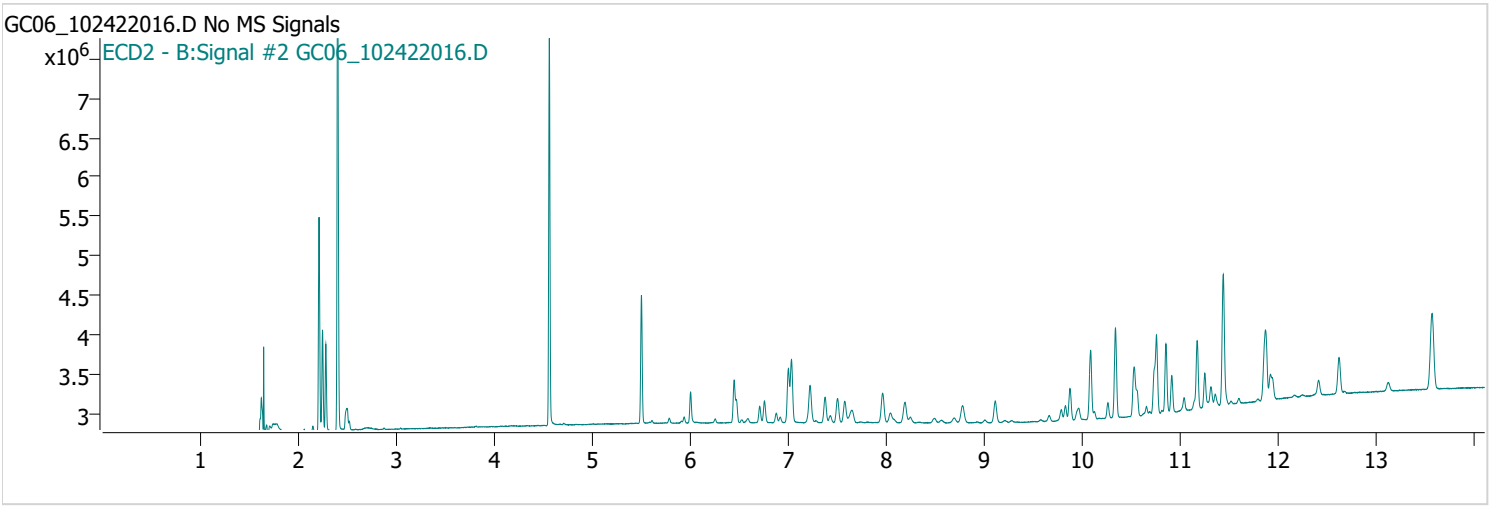
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.8657	13.58	0.00	1117874				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:02:02 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



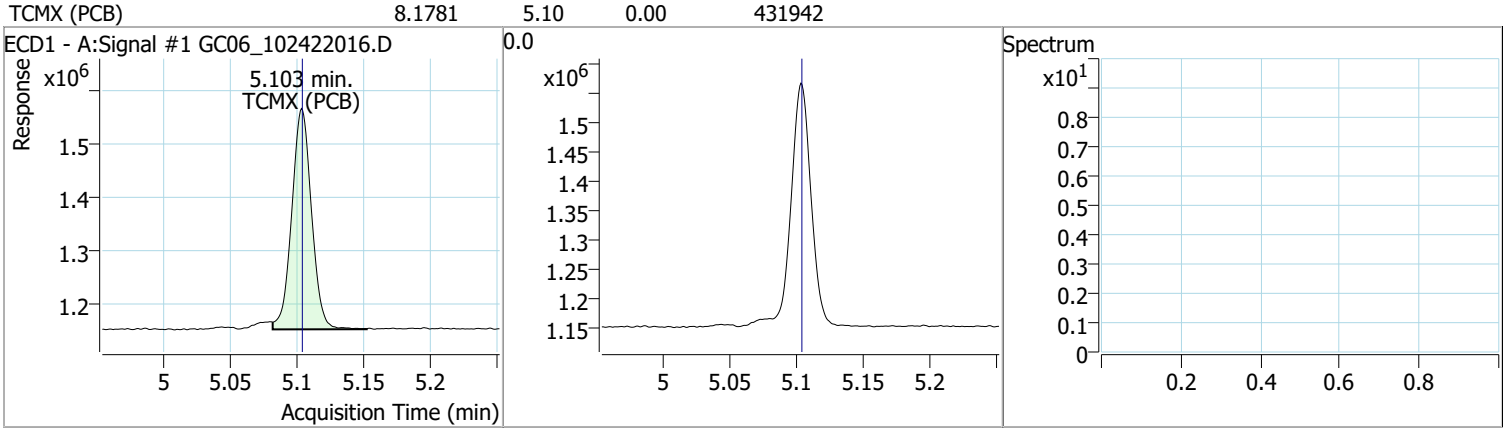


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1098556.587	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4473955.688	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	431941.849	8.1781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.89%		*	
S TCMX (PCB) #2	5.502	0.0	1756841.947	8.1767	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.88%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	769715.326	7.2383	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.19%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	2414988.806	8.4992	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.50%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	126029.603	109.4237	ng/ml		100

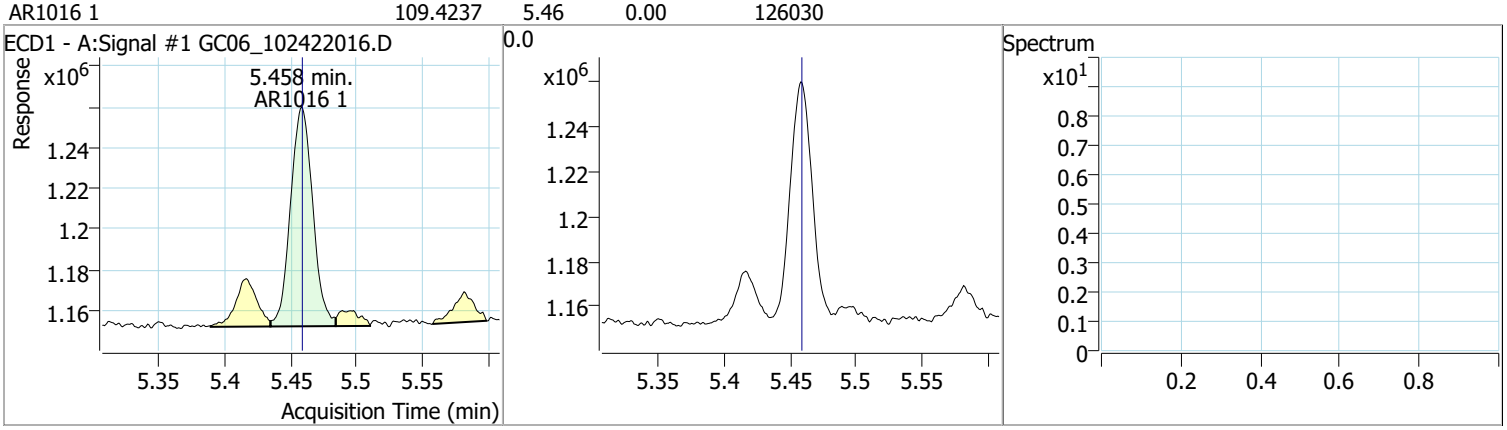
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	273792.604	104.1655	ng/ml		100
T AR1016 1 #2	6.003	0.0	494438.051	106.3335	ng/ml		100
T AR1016 3	6.284	0.0	317105.085	108.5912	ng/ml		100
T AR1016 4	6.431	0.0	243468.264	109.6225	ng/ml		100
T AR1016 2 #2	6.448	0.0	752749.371	112.1446	ng/ml	m	100
T AR1016 5	6.909	0.0	194872.097	108.9344	ng/ml		100
T AR1016 3 #2	7.033	0.0	1331099.472	109.1394	ng/ml		100
T AR1016 4 #2	7.223	0.0	949564.555	109.0568	ng/ml		100
T AR1016 5 #2	7.964	0.0	771943.524	109.0702	ng/ml		100
T AR1260 1	8.878	0.0	390861.384	105.2331	ng/ml		100
T AR1260 2	9.338	0.0	614413.614	108.5313	ng/ml		100
T AR1260 3	9.751	0.0	626423.788	105.8658	ng/ml		100
T AR1260 1 #2	10.088	0.0	1506423.617	113.1421	ng/ml		100
T AR1260 4	10.218	0.0	373415.612	104.0416	ng/ml		100
T AR1260 2 #2	10.342	0.0	1768113.790	110.5237	ng/ml		100
T AR1260 5	10.579	0.0	836749.386	108.9242	ng/ml		100
T AR1260 3 #2	10.761	0.0	2204619.622	108.8731	ng/ml		100
T AR1260 4 #2	11.176	0.0	1447196.030	106.5619	ng/ml		100
T AR1260 5 #2	11.873	0.0	2132038.907	108.0368	ng/ml		100

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

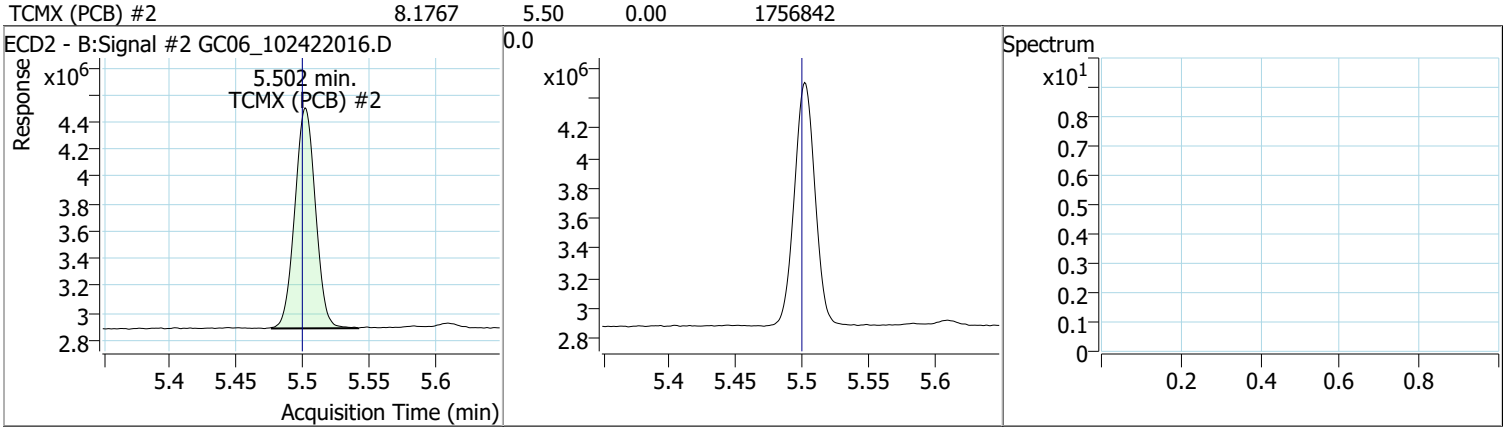
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1781	5.10	0.00	431942				



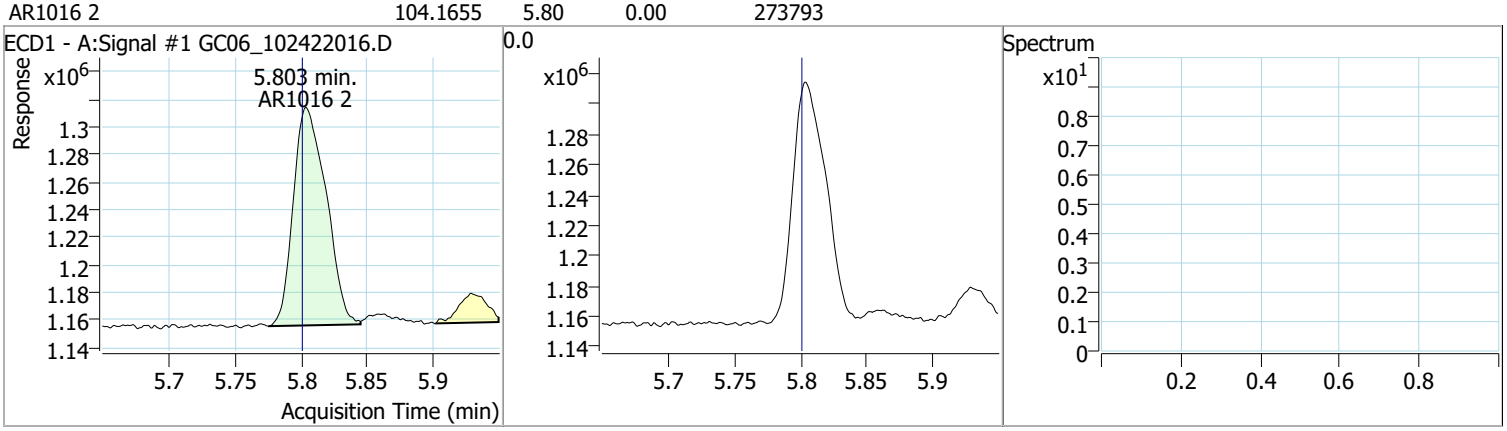
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.4237	5.46	0.00	126030				



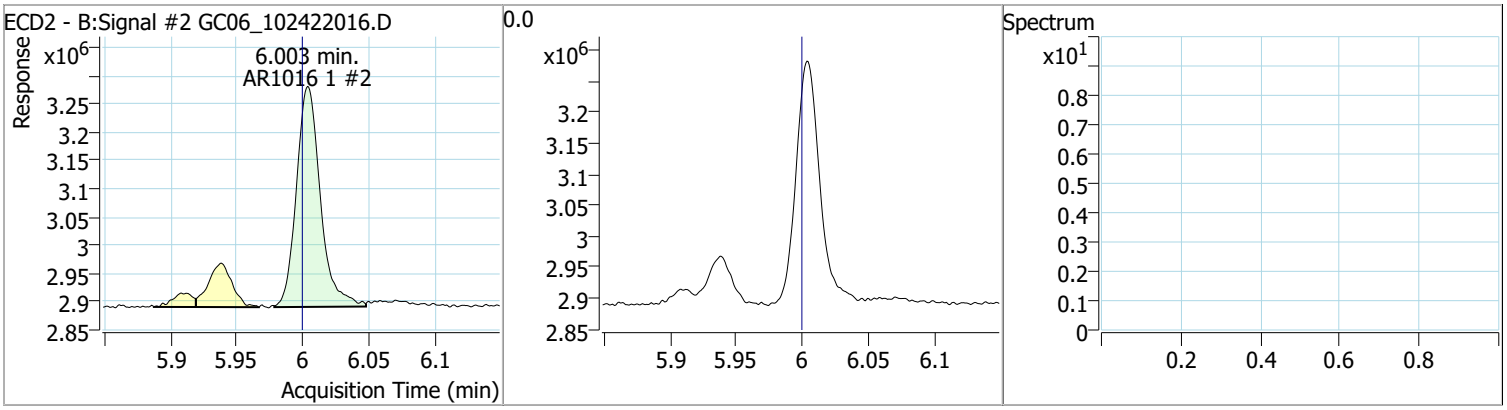
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1767	5.50	0.00	1756842				



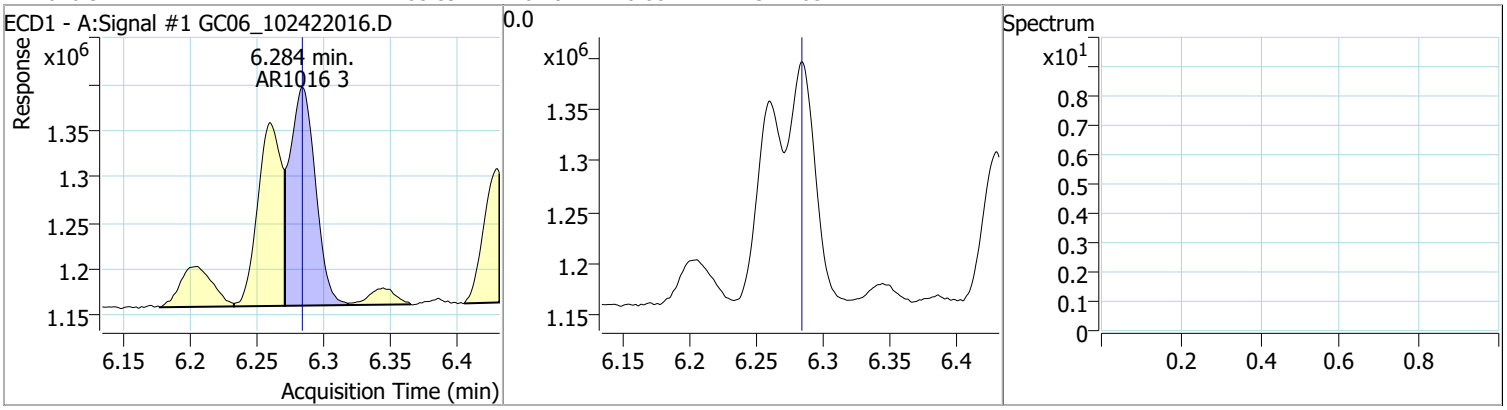
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	104.1655	5.80	0.00	273793				



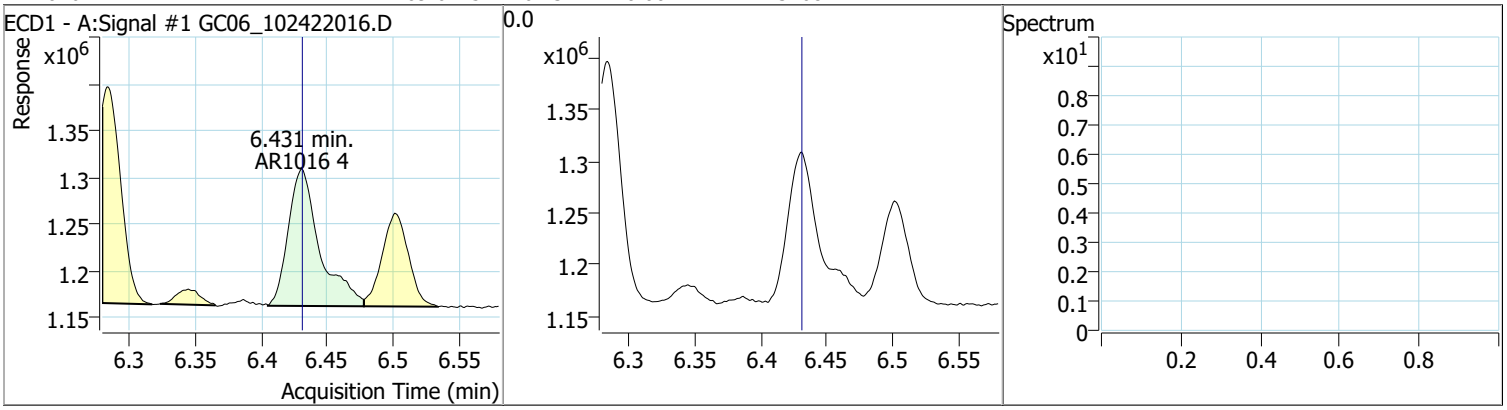
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.3335	6.00	0.00	494438				



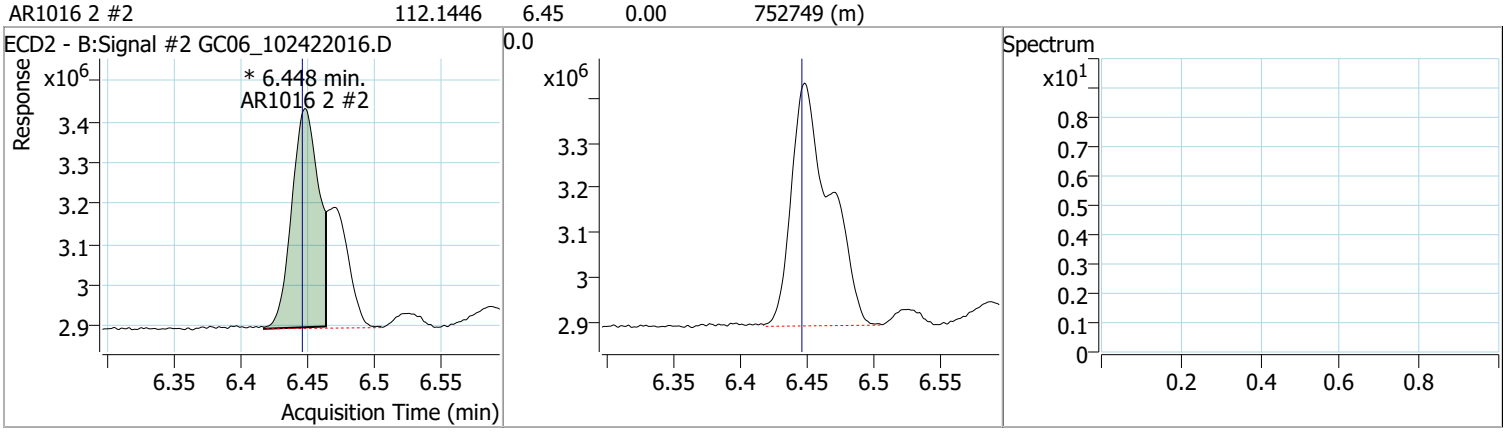
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.5912	6.28	0.00	317105				



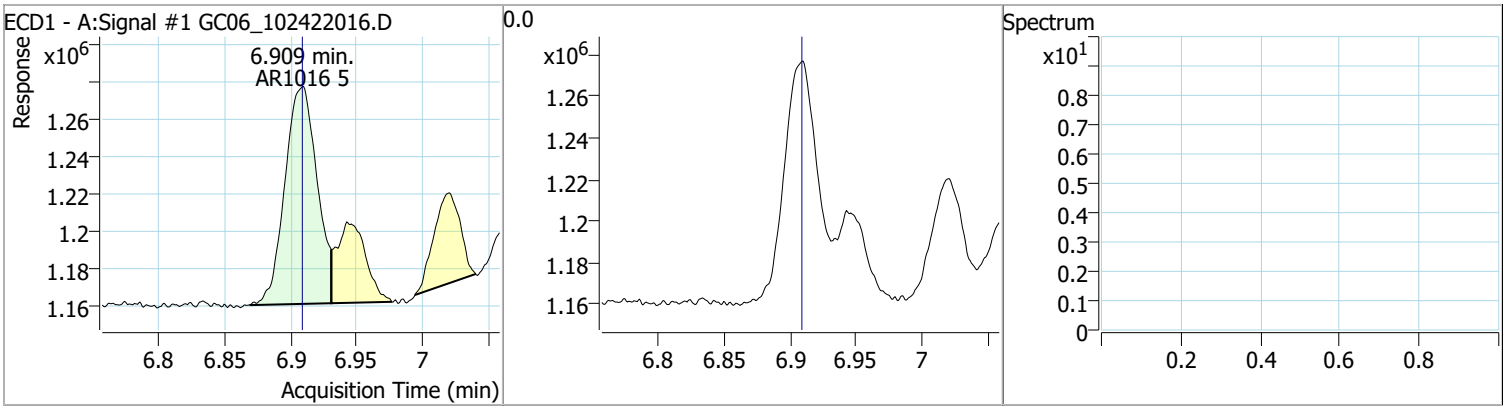
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	109.6225	6.43	0.00	243468				



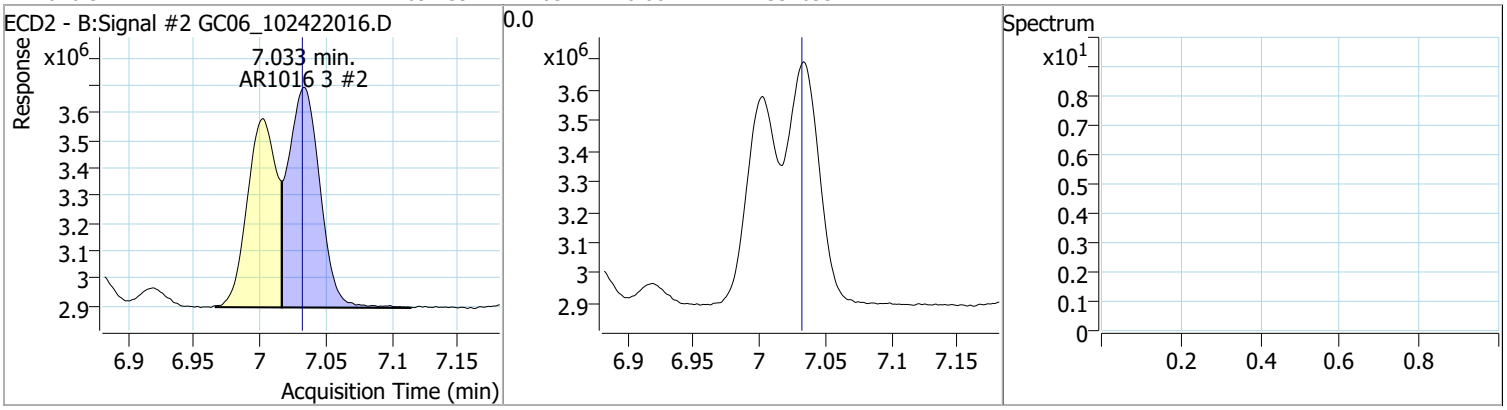
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	112.1446	6.45	0.00	752749 (m)				



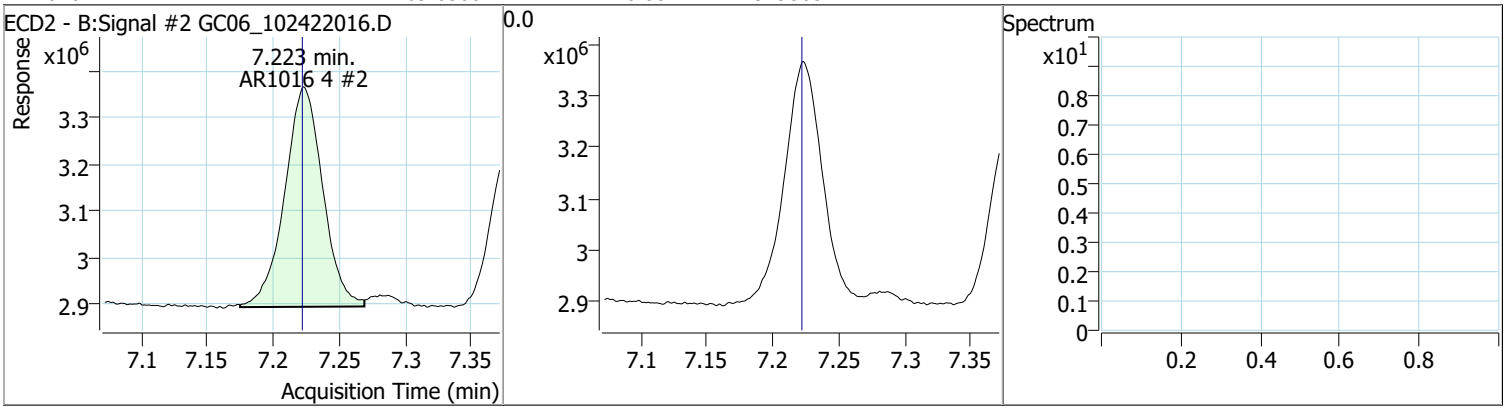
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	108.9344	6.91	0.00	194872				



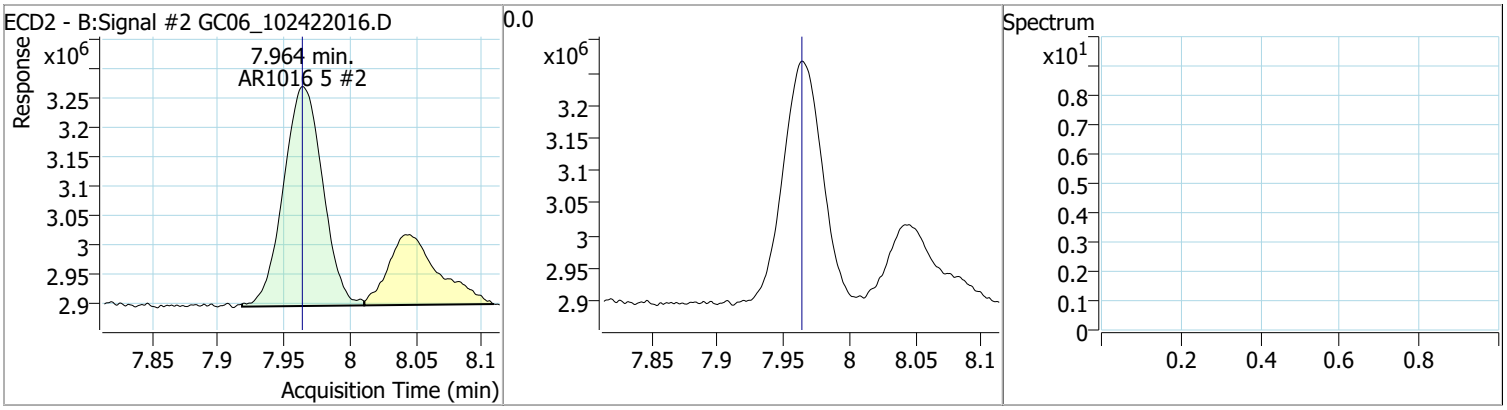
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	109.1394	7.03	0.00	1331099				



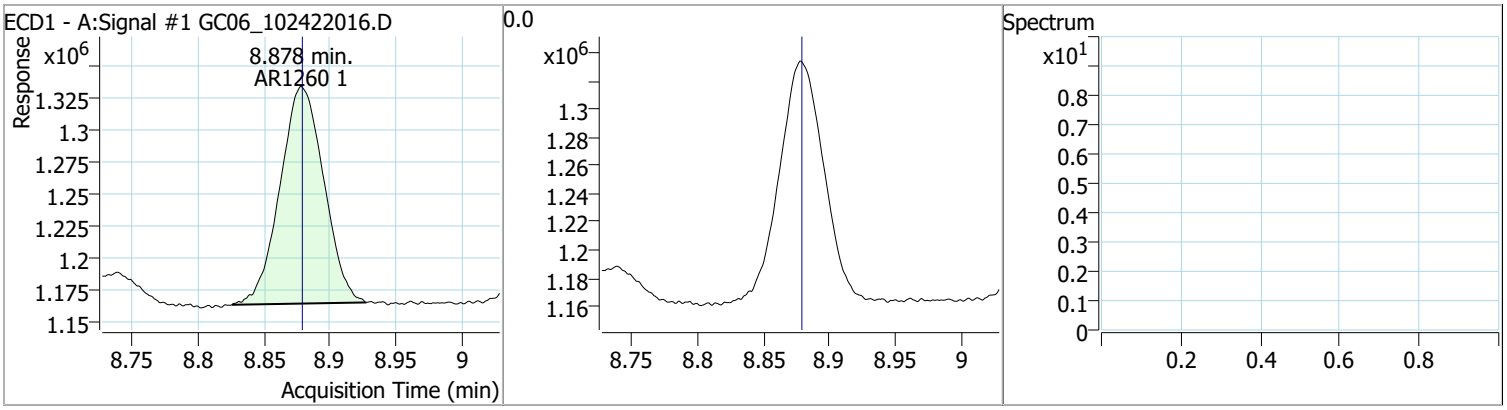
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	109.0568	7.22	0.00	949565				



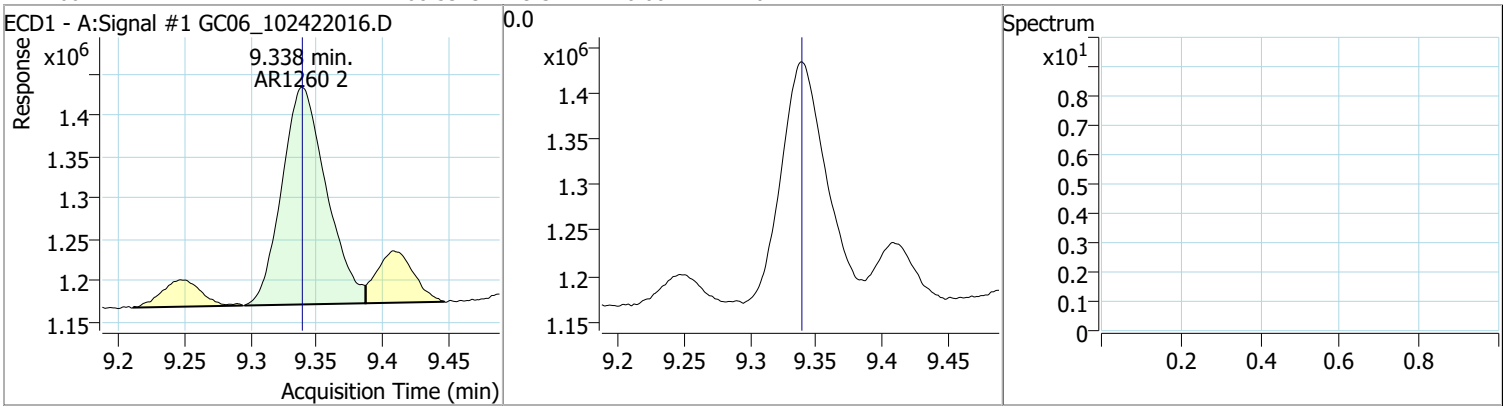
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AR1016 5 #2	109.0702	7.96	0.00	771944				



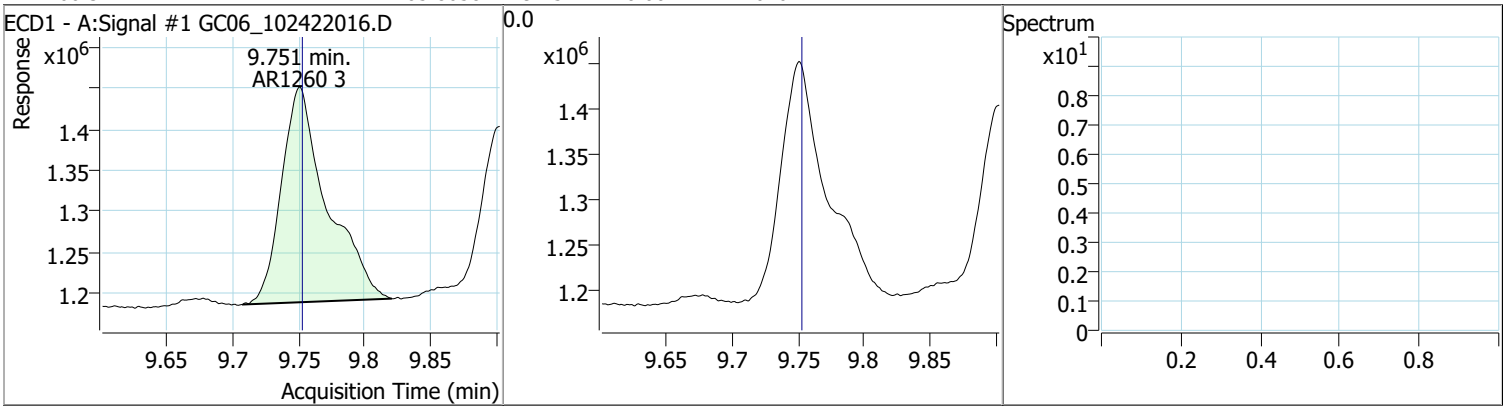
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.2331	8.88	0.00	390861				



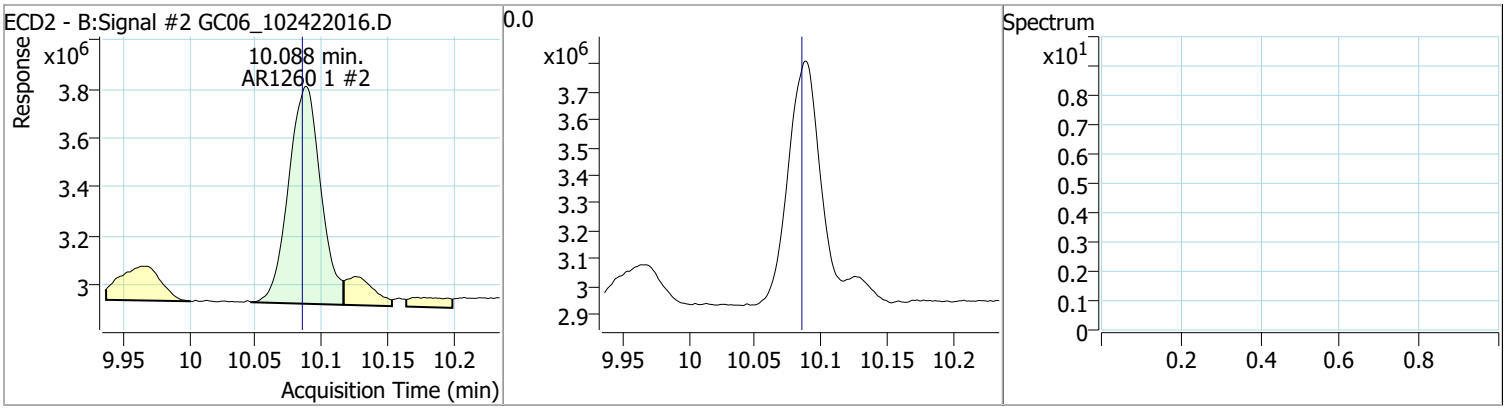
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	108.5313	9.34	0.00	614414				



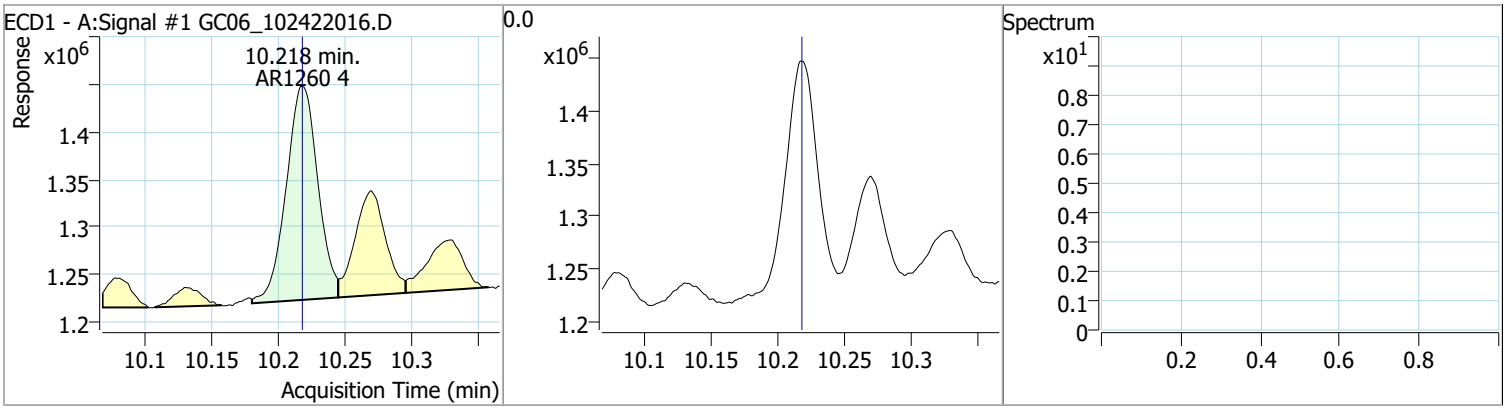
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.8658	9.75	0.00	626424				



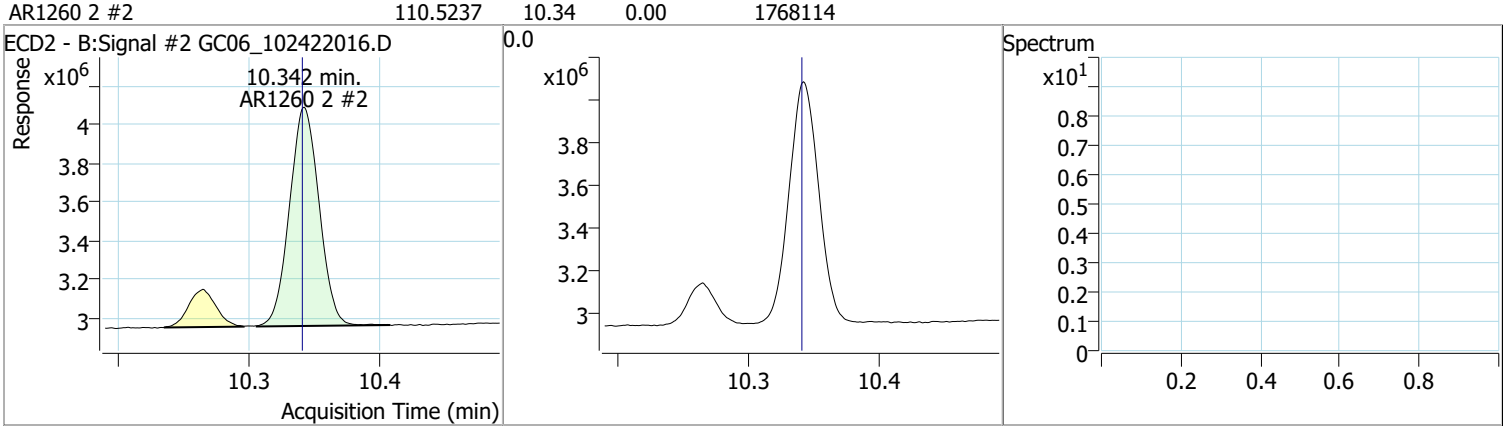
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.1421	10.09	0.00	1506424				



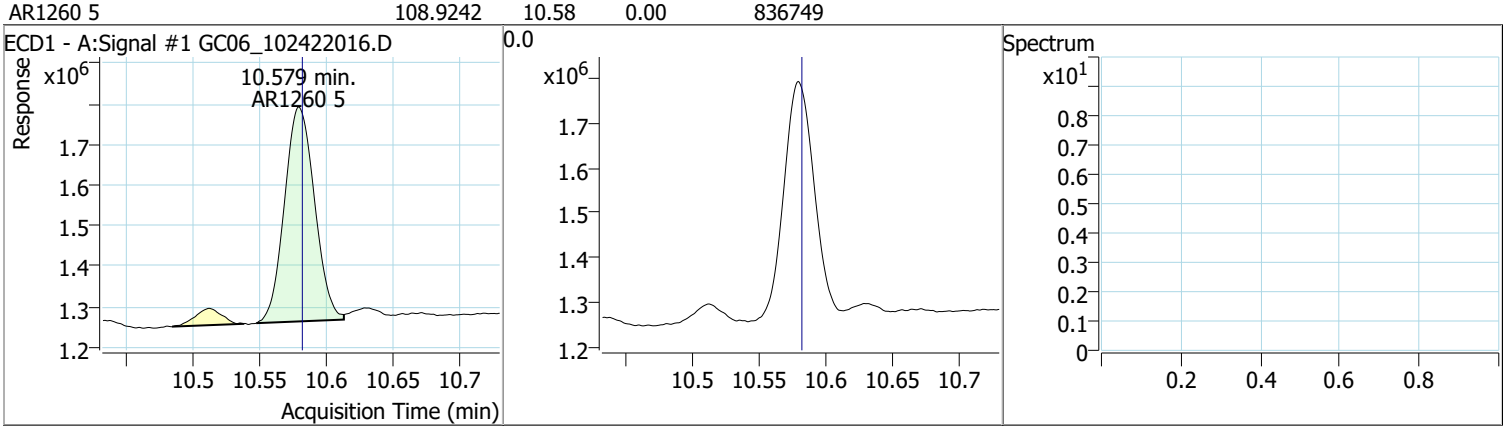
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.0416	10.22	0.00	373416				



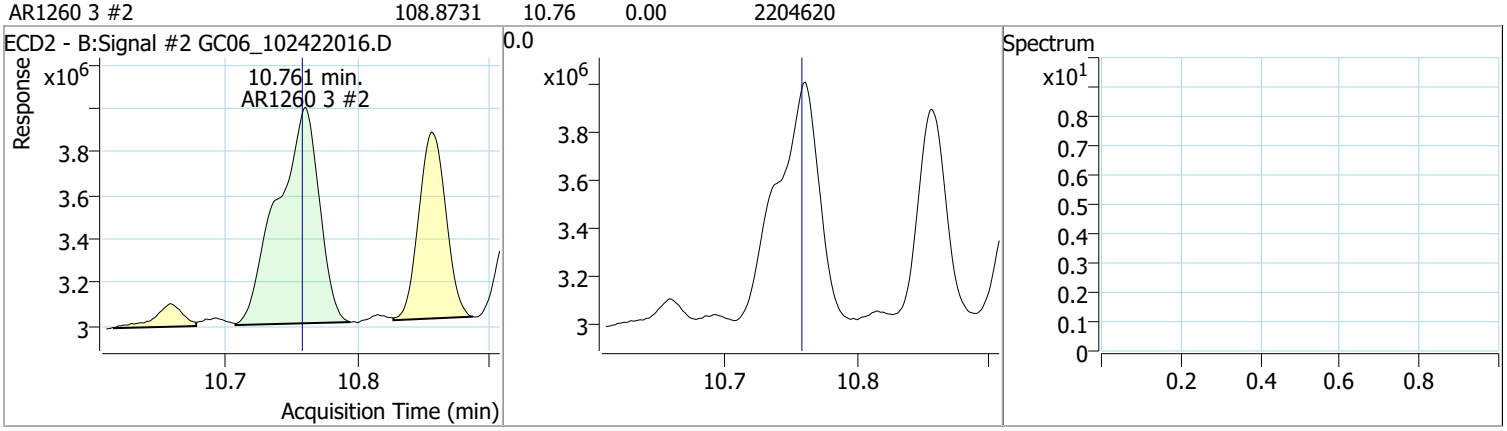
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	110.5237	10.34	0.00	1768114				



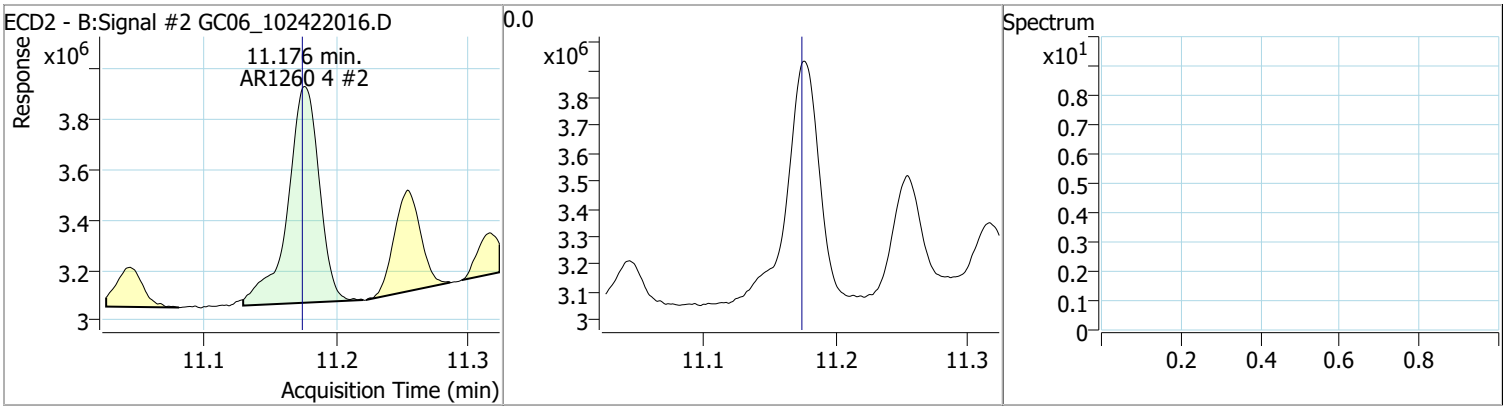
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	108.9242	10.58	0.00	836749				



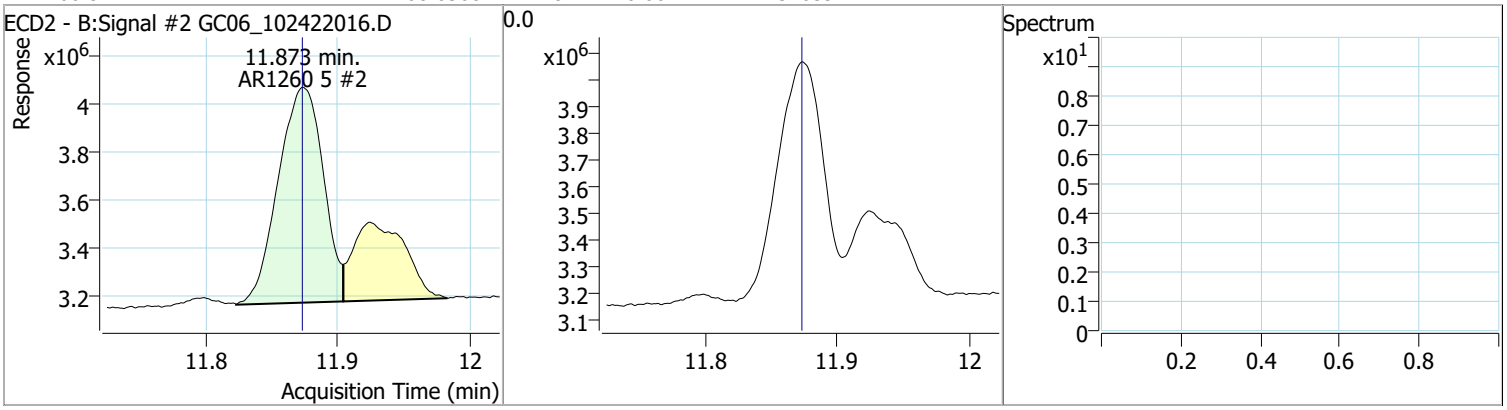
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	108.8731	10.76	0.00	2204620				



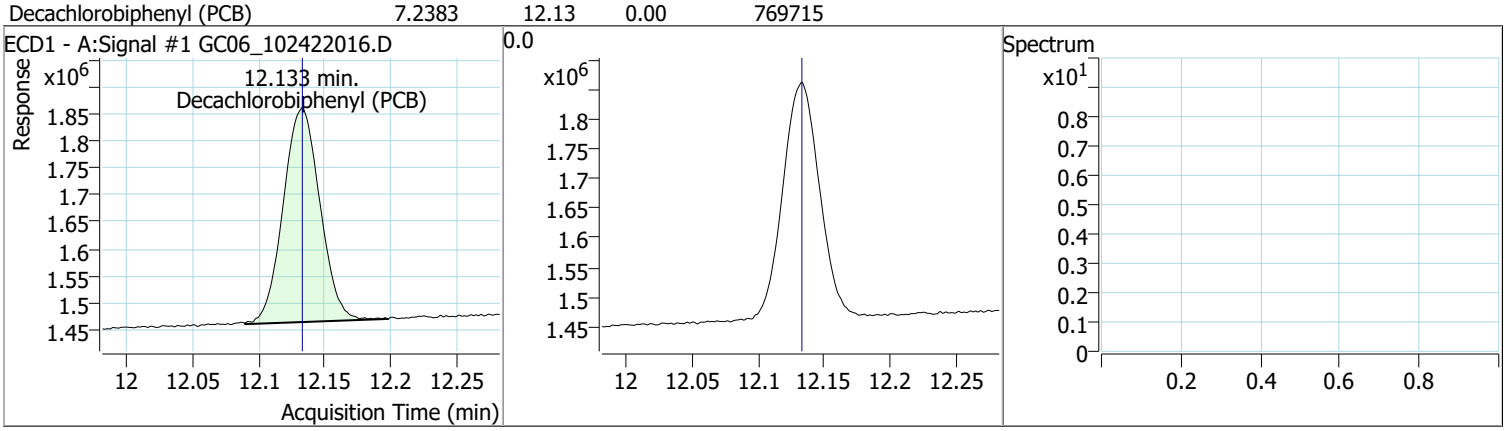
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	106.5619	11.18	0.00	1447196				



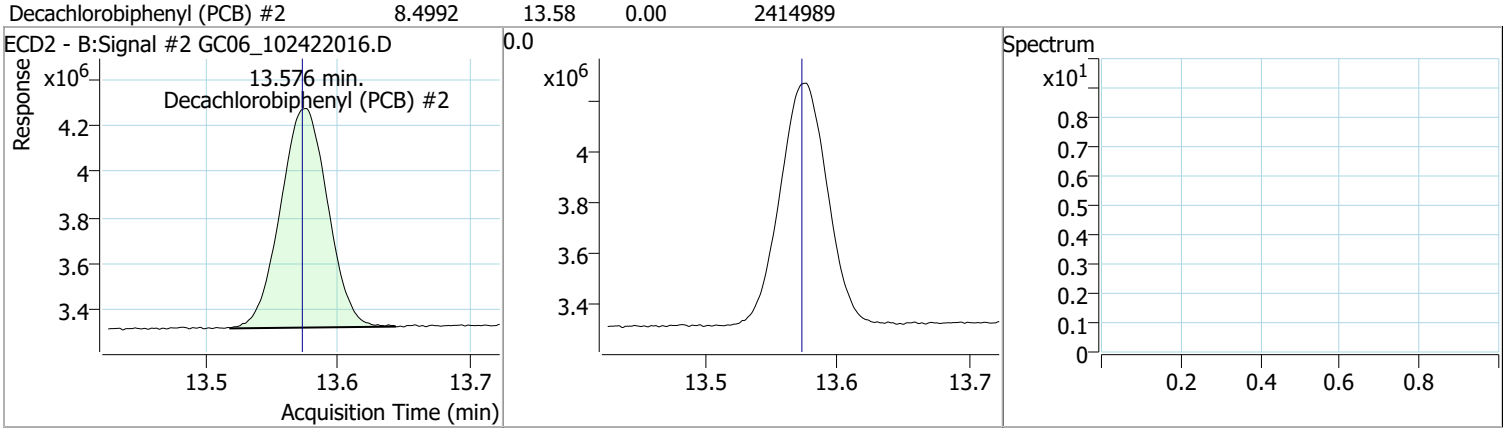
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.0368	11.87	0.00	2132039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.2383	12.13	0.00	769715				

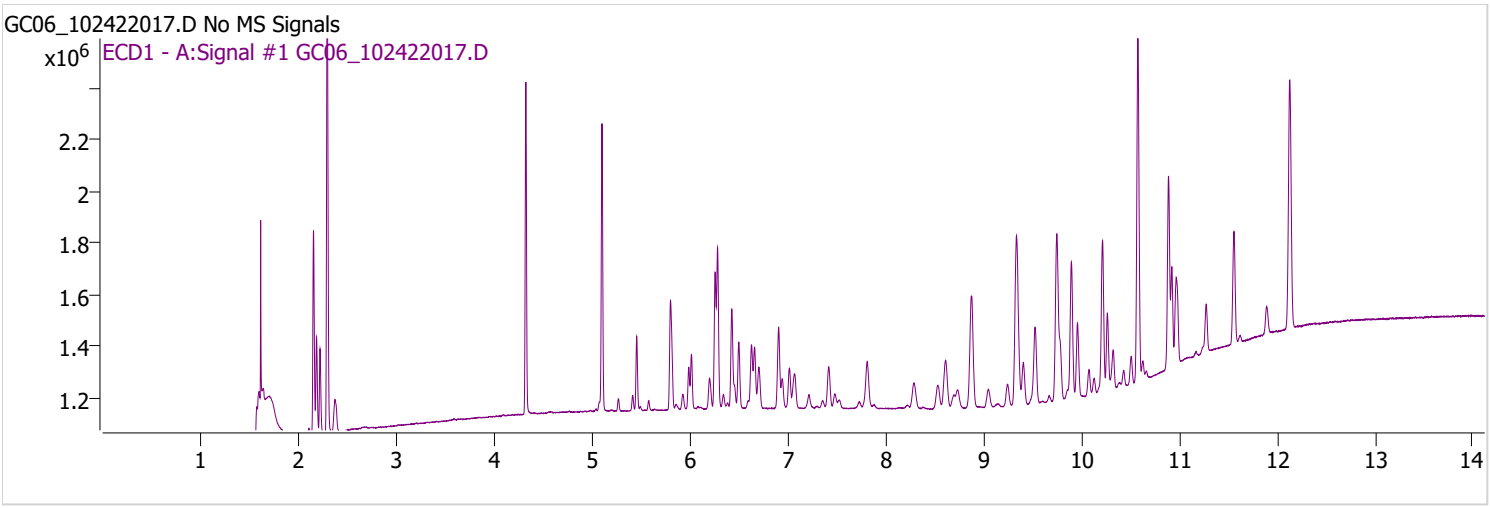


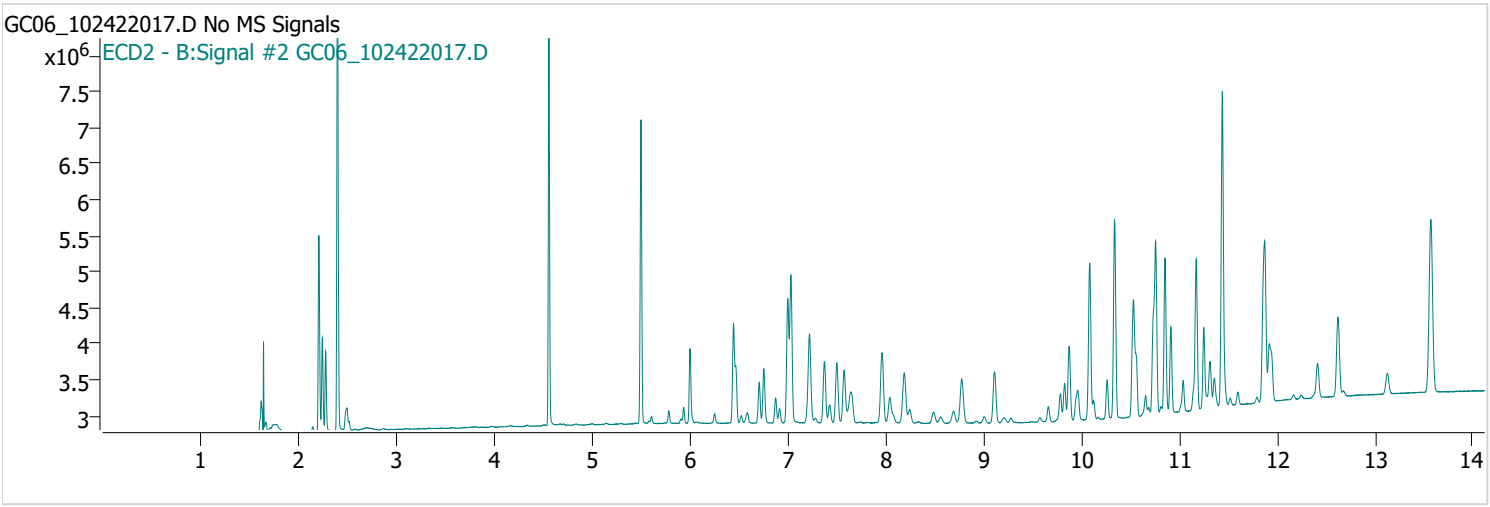
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.4992	13.58	0.00	2414989				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:20:02 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



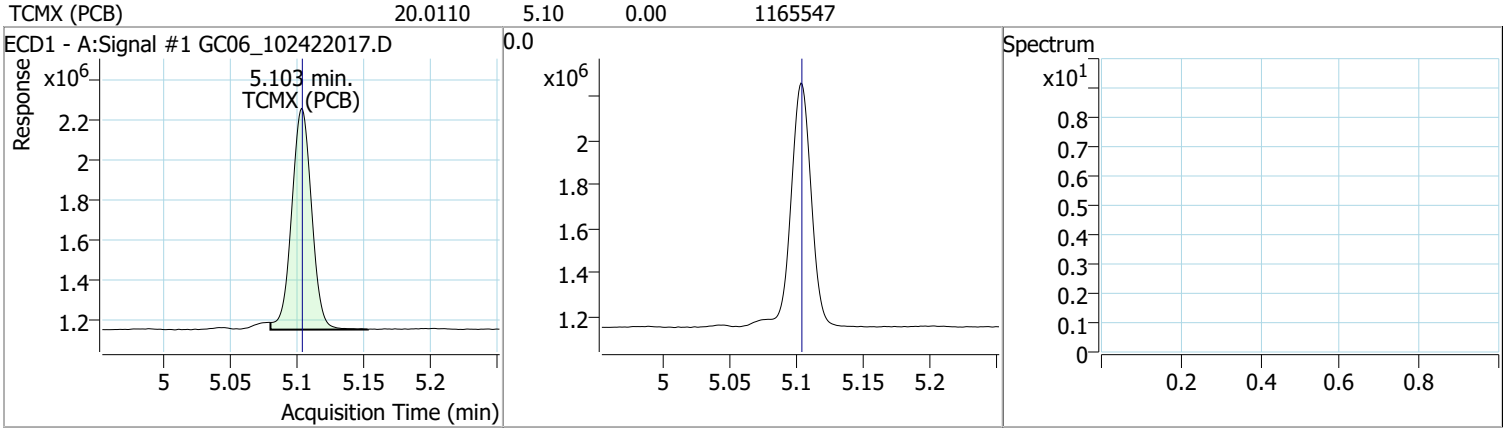


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1211472.444	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4920571.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1165547.443	20.0110	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.05%			
S TCMX (PCB) #2	5.502	0.0	4758798.041	20.1381	ng/ml	m	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.69%			
S Decachlorobiphenyl (PCB)	12.131	0.0	1850638.921	20.8820	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.41%			
S Decachlorobiphenyl (PCB) #2	13.573	0.0	5988530.393	21.8142	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.07%			
Target Compounds							QValue

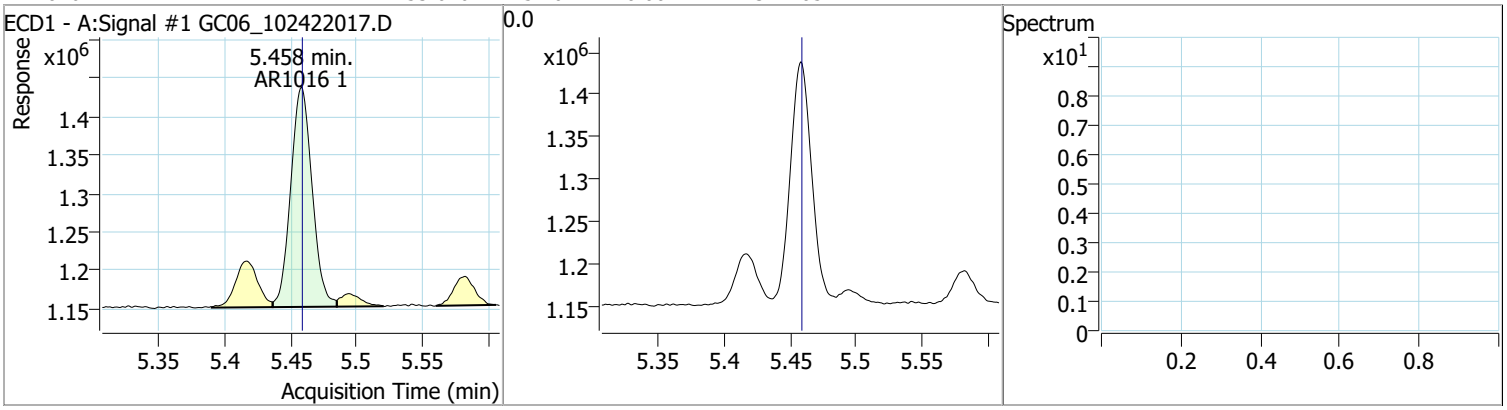
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	322205.369	253.6767	ng/ml		100
T AR1016 2	5.803	0.0	712693.363	266.8112	ng/ml		100
T AR1016 1 #2	6.003	0.0	1331882.363	260.4356	ng/ml		100
T AR1016 3	6.284	0.0	837940.134	260.2036	ng/ml		100
T AR1016 4	6.430	0.0	635327.920	259.3965	ng/ml		100
T AR1016 2 #2	6.448	0.0	1963799.619	266.0119	ng/ml	m	100
T AR1016 5	6.908	0.0	507361.692	257.1827	ng/ml		100
T AR1016 3 #2	7.033	0.0	3371390.470	251.3369	ng/ml	m	100
T AR1016 4 #2	7.223	0.0	2521917.084	263.3511	ng/ml		100
T AR1016 5 #2	7.963	0.0	2051369.275	263.5364	ng/ml		100
T AR1260 1	8.879	0.0	1022403.707	249.6095	ng/ml		100
T AR1260 2	9.338	0.0	1586842.083	254.1774	ng/ml		100
T AR1260 3	9.751	0.0	1640631.734	251.4243	ng/ml		100
T AR1260 1 #2	10.088	0.0	3737278.960	255.2165	ng/ml		100
T AR1260 4	10.218	0.0	994487.770	273.1079	ng/ml		100
T AR1260 2 #2	10.341	0.0	4465148.473	253.7799	ng/ml		100
T AR1260 5	10.578	0.0	2108588.370	272.1624	ng/ml		100
T AR1260 3 #2	10.760	0.0	5581397.012	250.6144	ng/ml		100
T AR1260 4 #2	11.175	0.0	3582855.500	269.4632	ng/ml	m	100
T AR1260 5 #2	11.874	0.0	5338056.869	269.7608	ng/ml		100

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

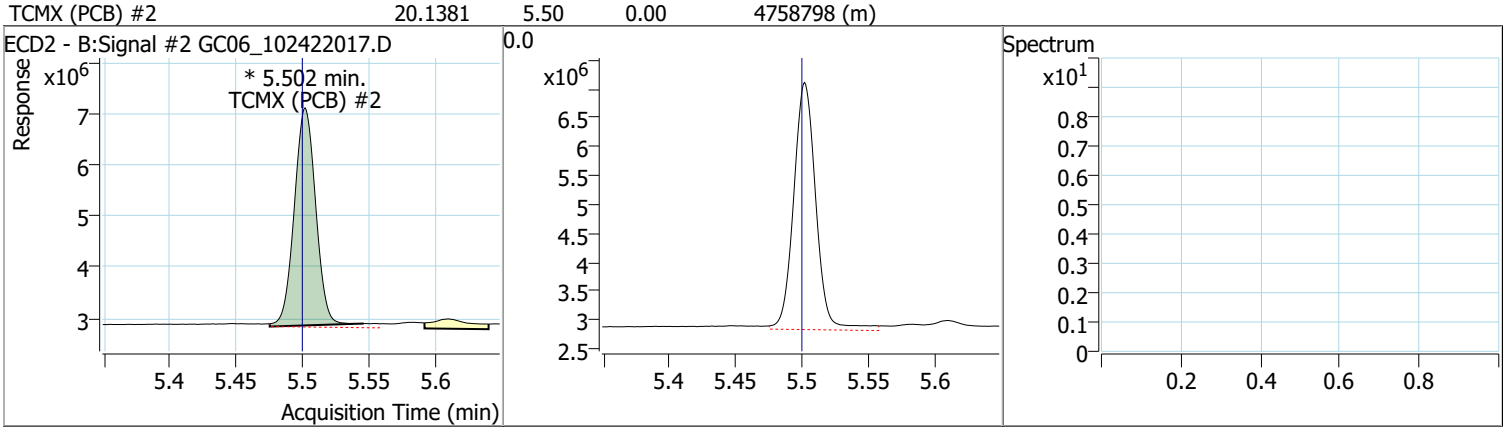
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.0110	5.10	0.00	1165547				



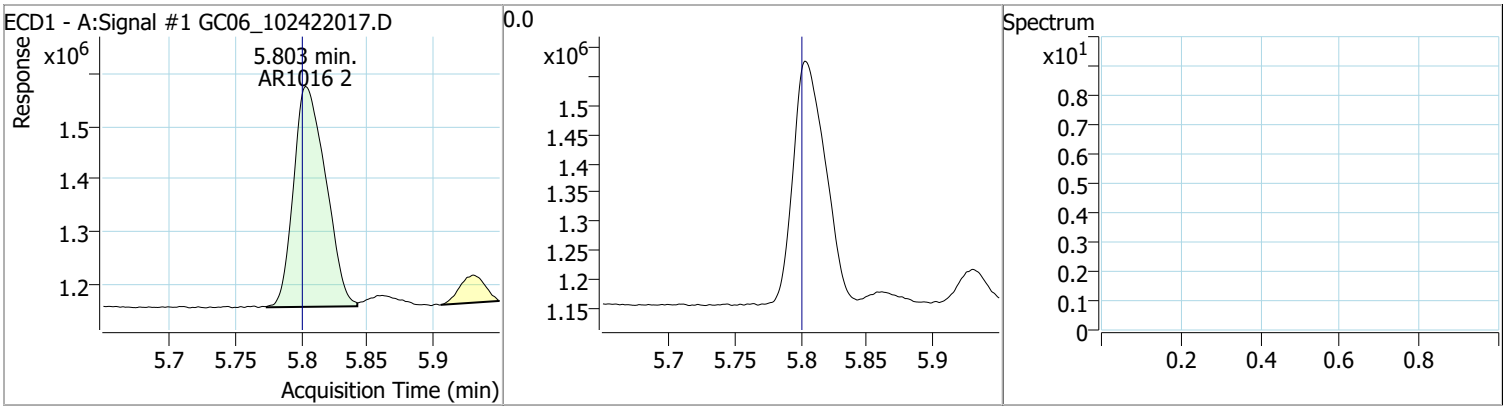
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	253.6767	5.46	0.00	322205				



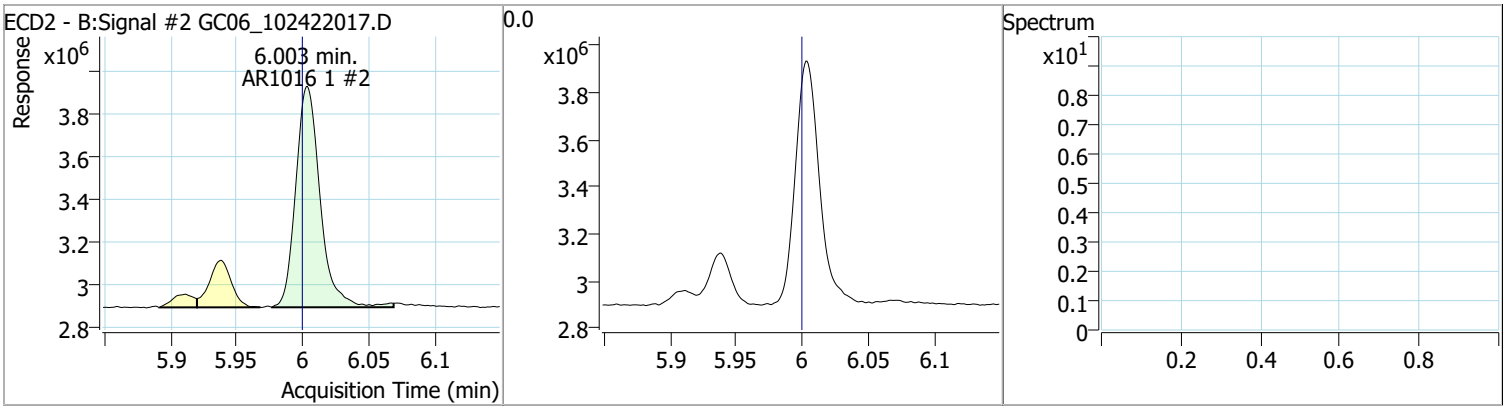
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.1381	5.50	0.00	4758798 (m)				



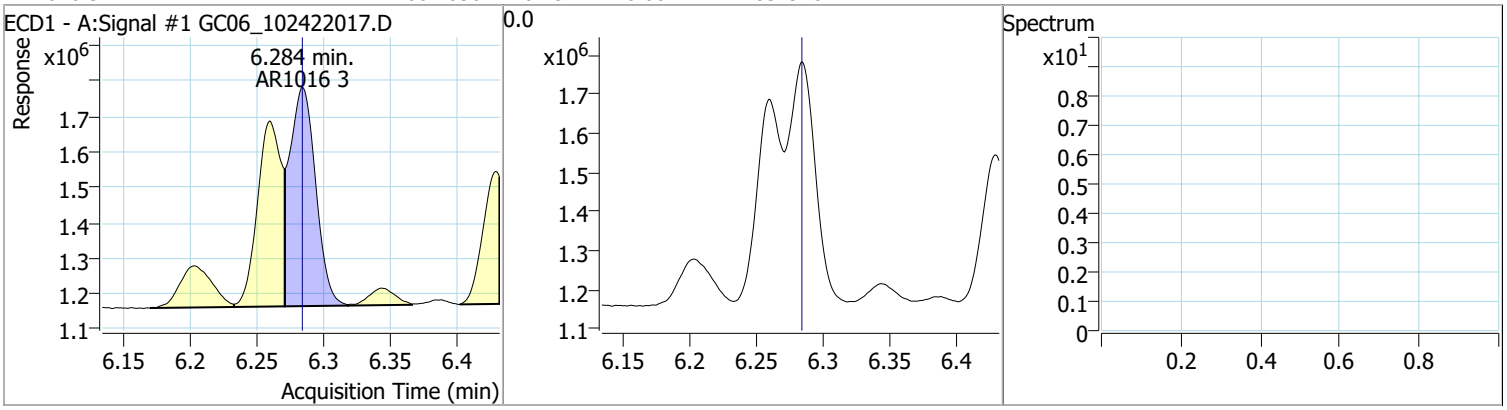
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	266.8112	5.80	0.00	712693				



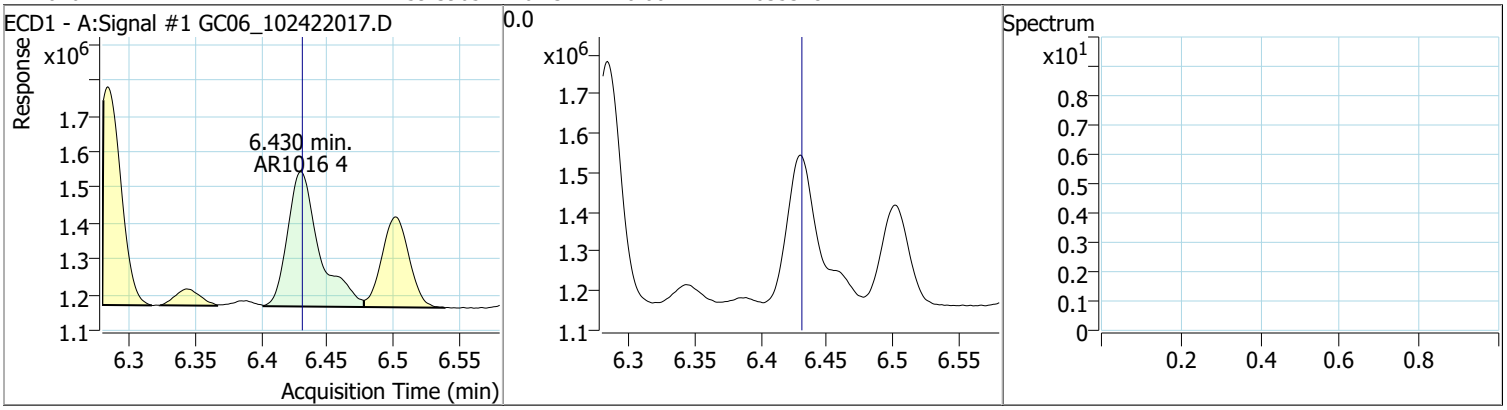
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	260.4356	6.00	0.00	1331882				



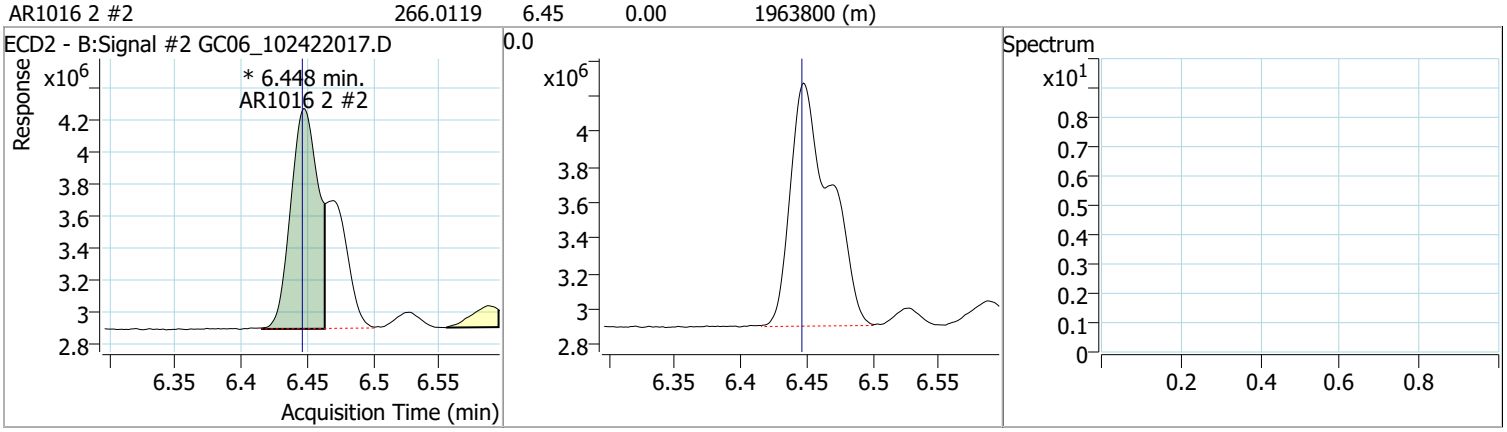
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	260.2036	6.28	0.00	837940				



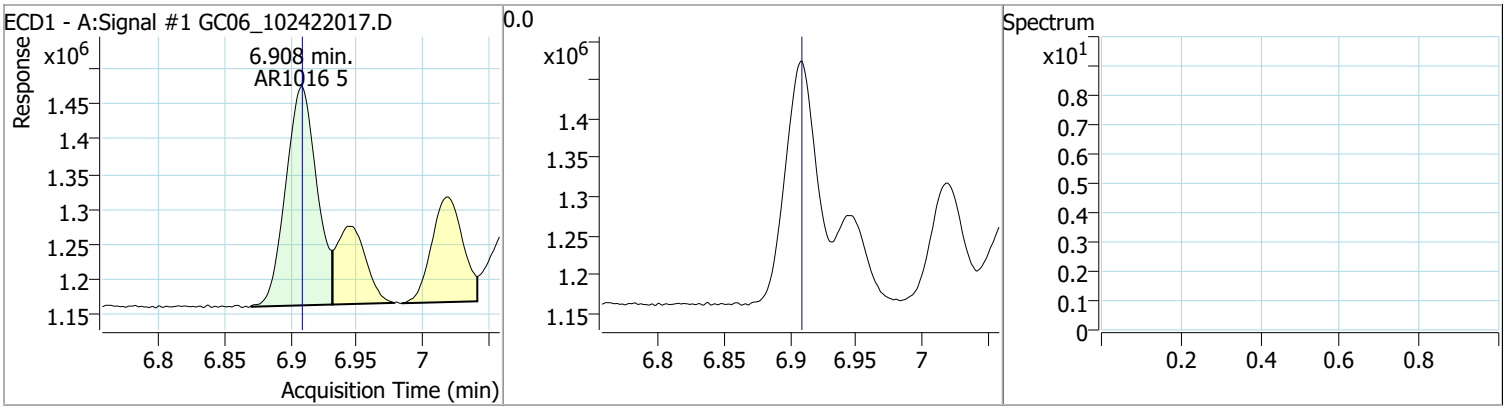
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	259.3965	6.43	0.00	635328				



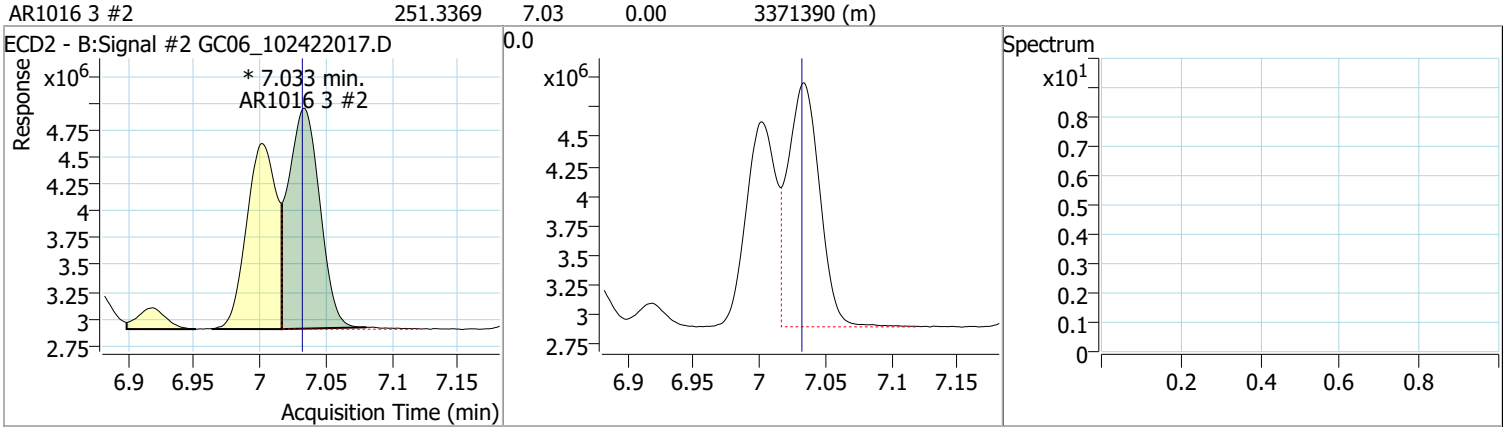
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	266.0119	6.45	0.00	1963800 (m)				



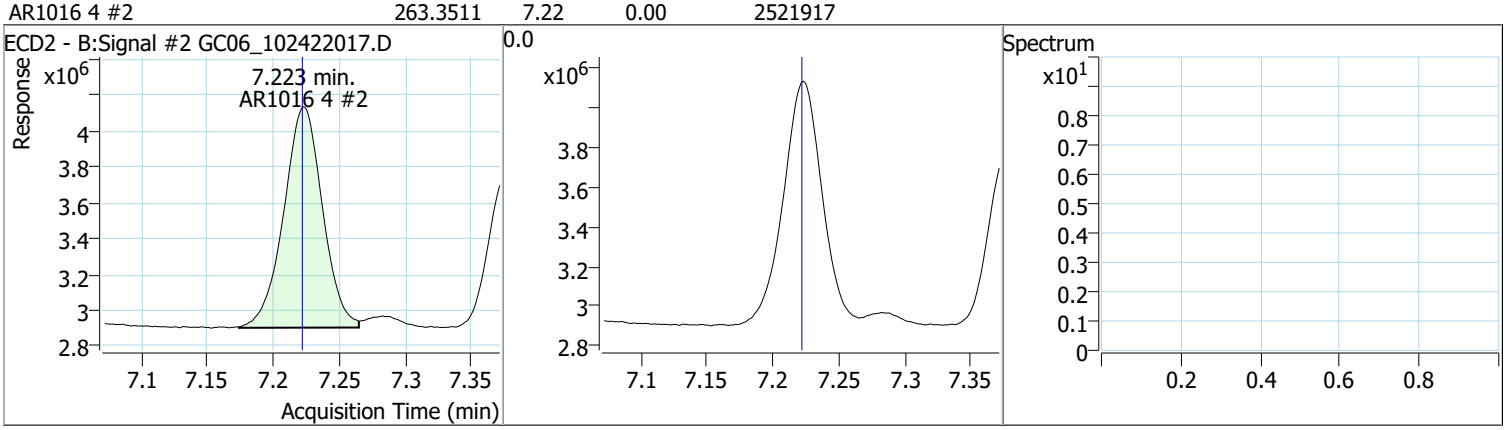
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	257.1827	6.91	0.00	507362				



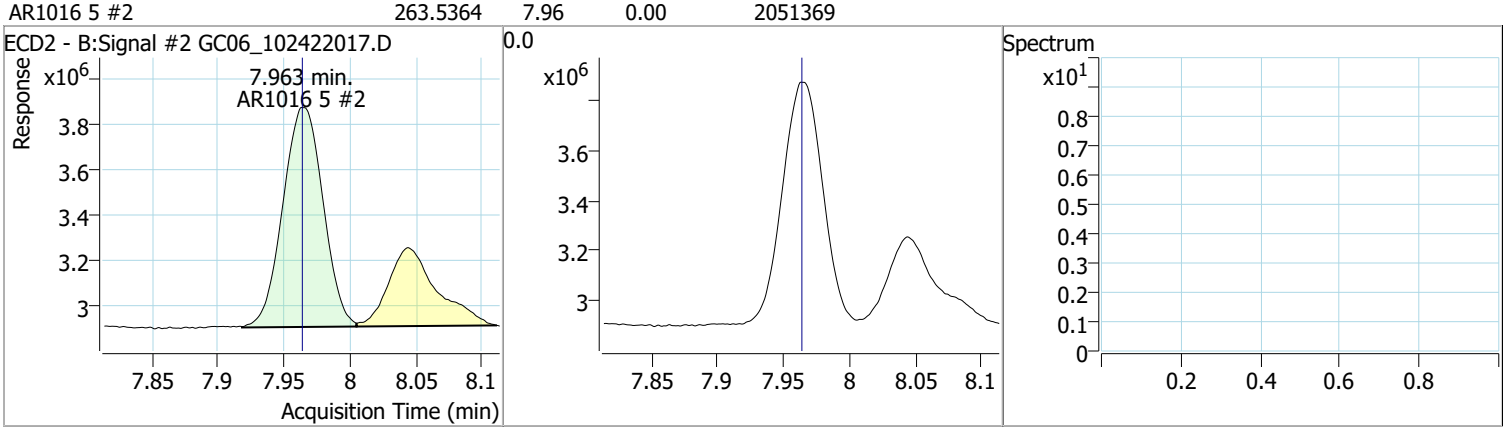
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	251.3369	7.03	0.00	3371390 (m)				



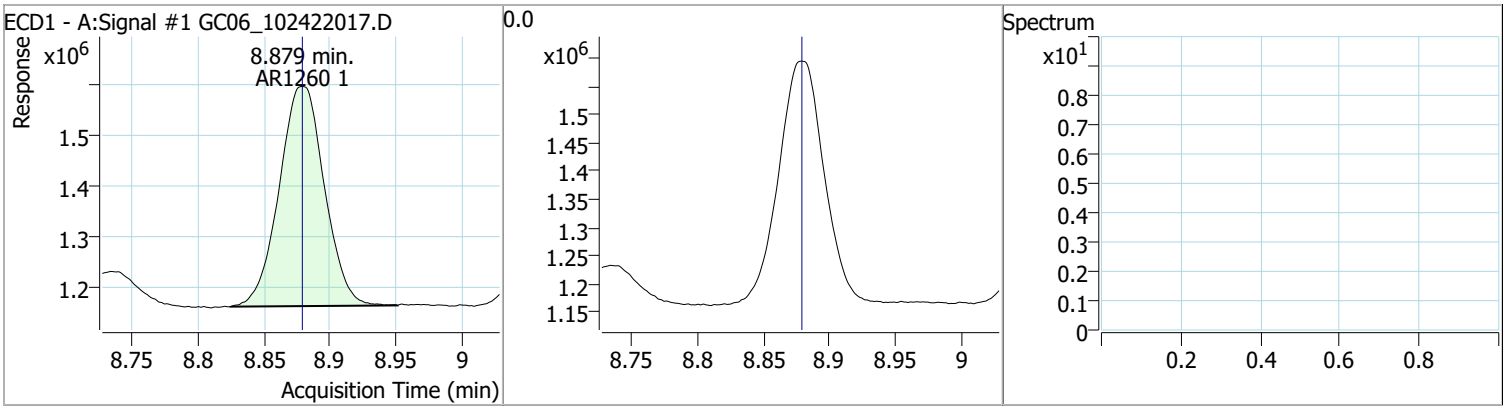
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	263.3511	7.22	0.00	2521917				



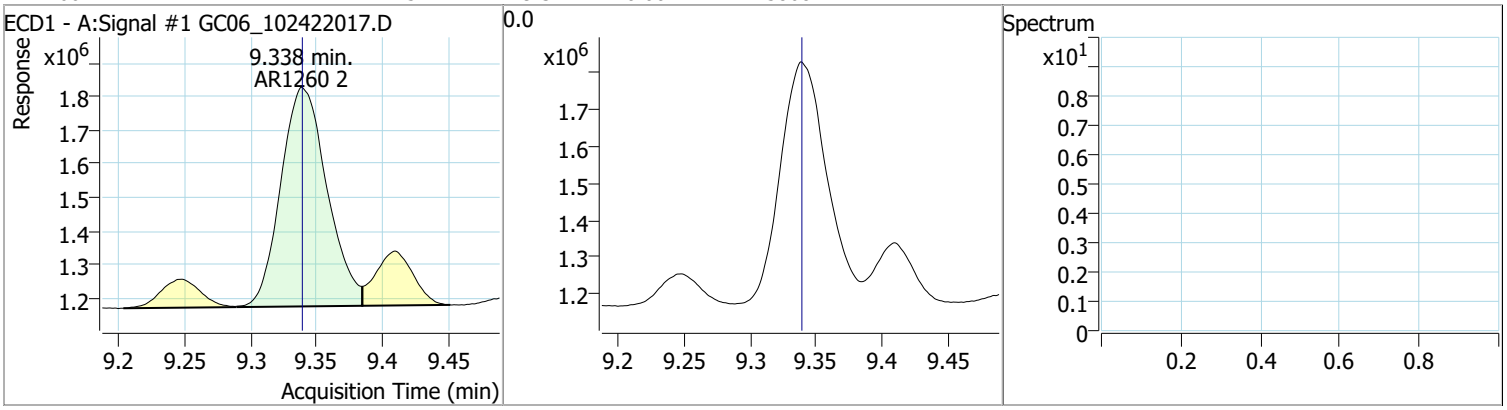
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	263.5364	7.96	0.00	2051369				



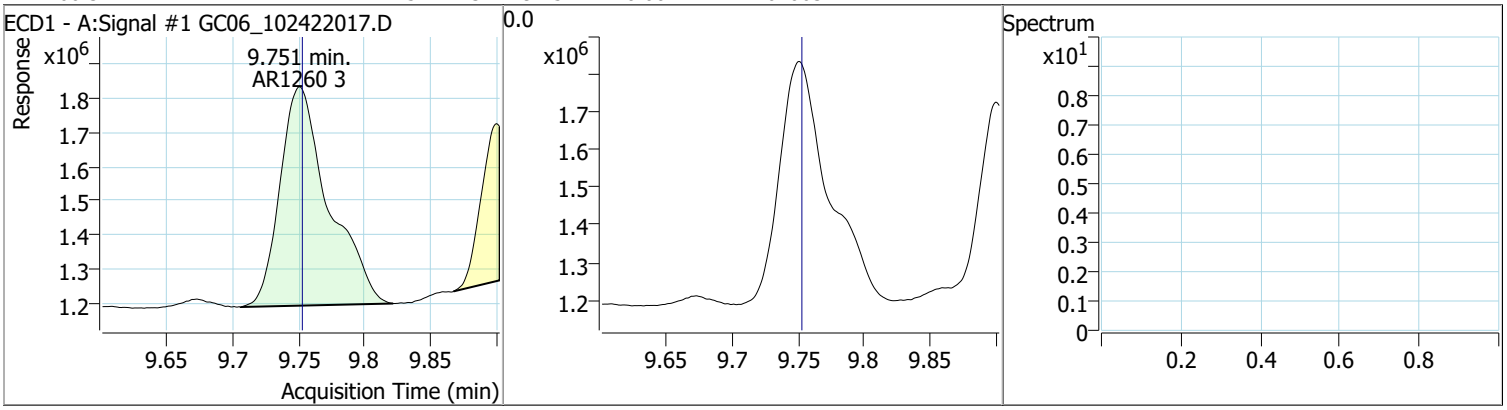
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.6095	8.88	0.00	1022404				



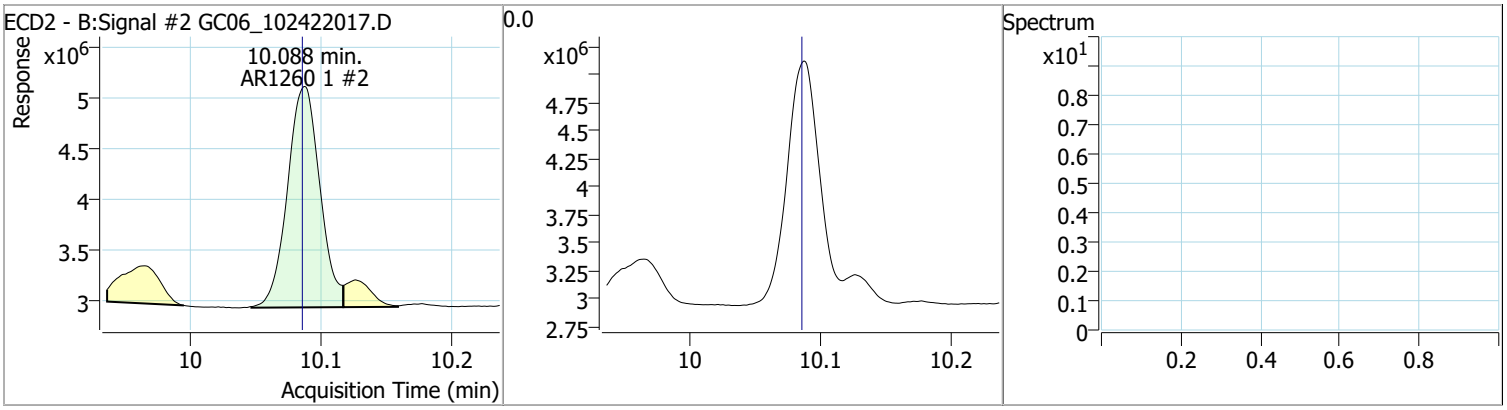
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.1774	9.34	0.00	1586842				



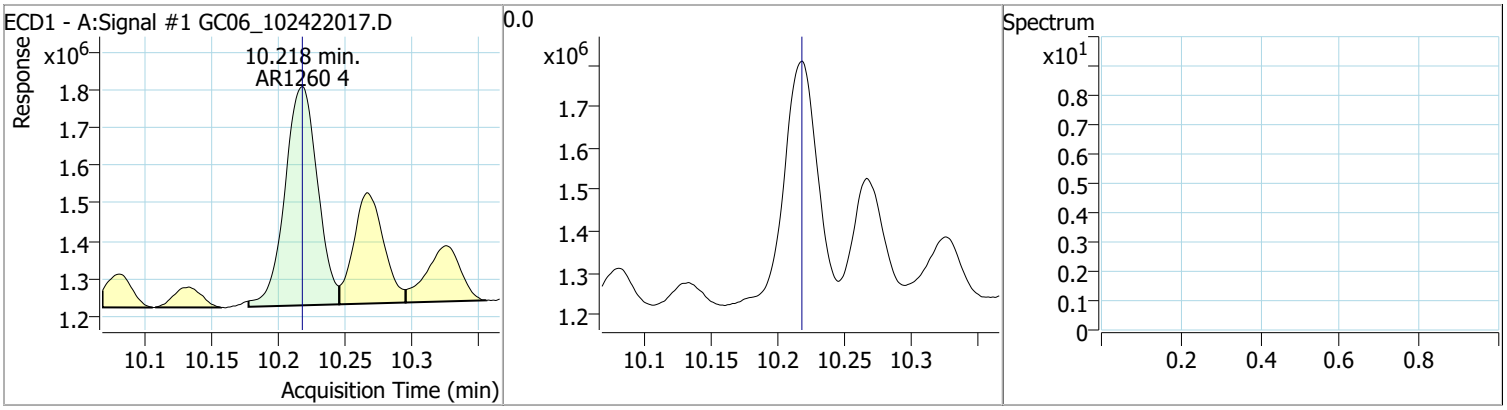
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	251.4243	9.75	0.00	1640632				



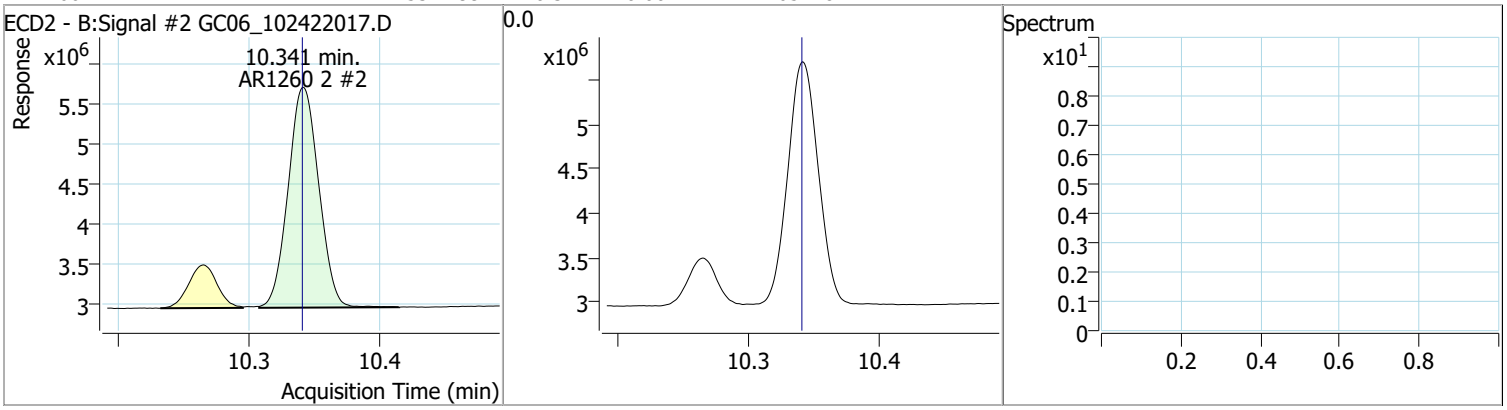
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.2165	10.09	0.00	3737279				



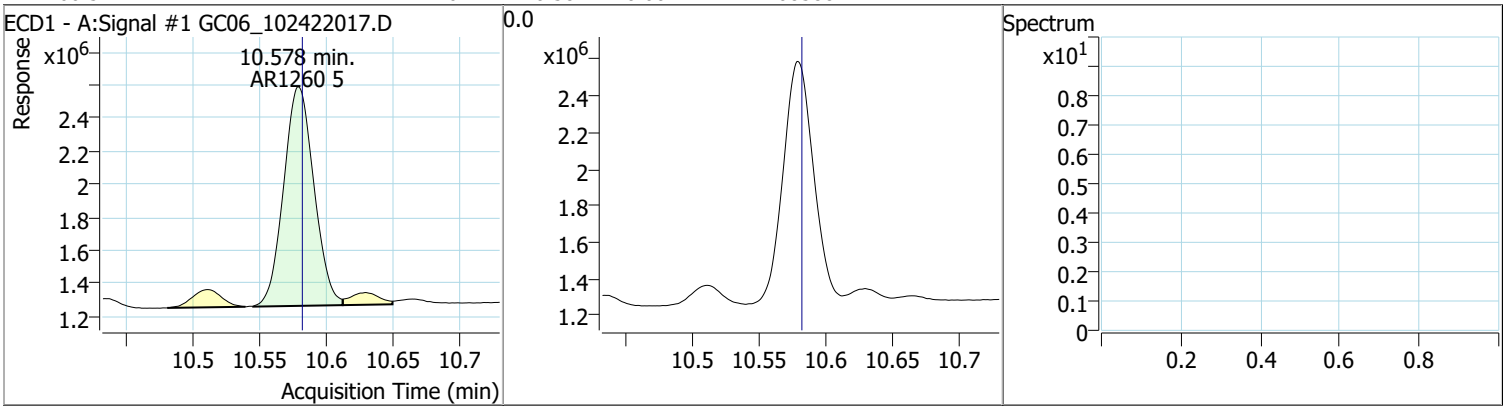
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	273.1079	10.22	0.00	994488				



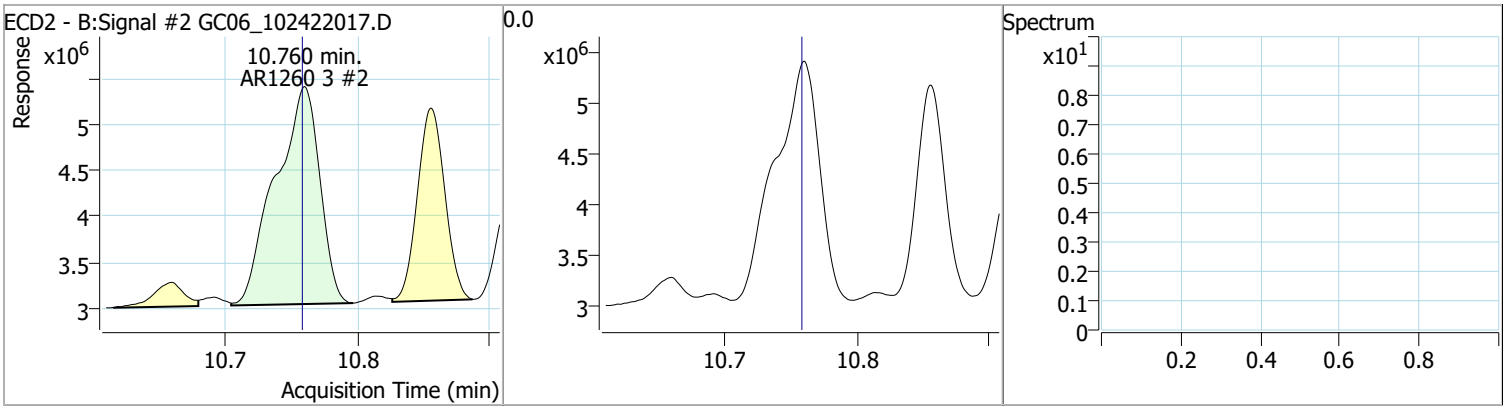
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	253.7799	10.34	0.00	4465148				



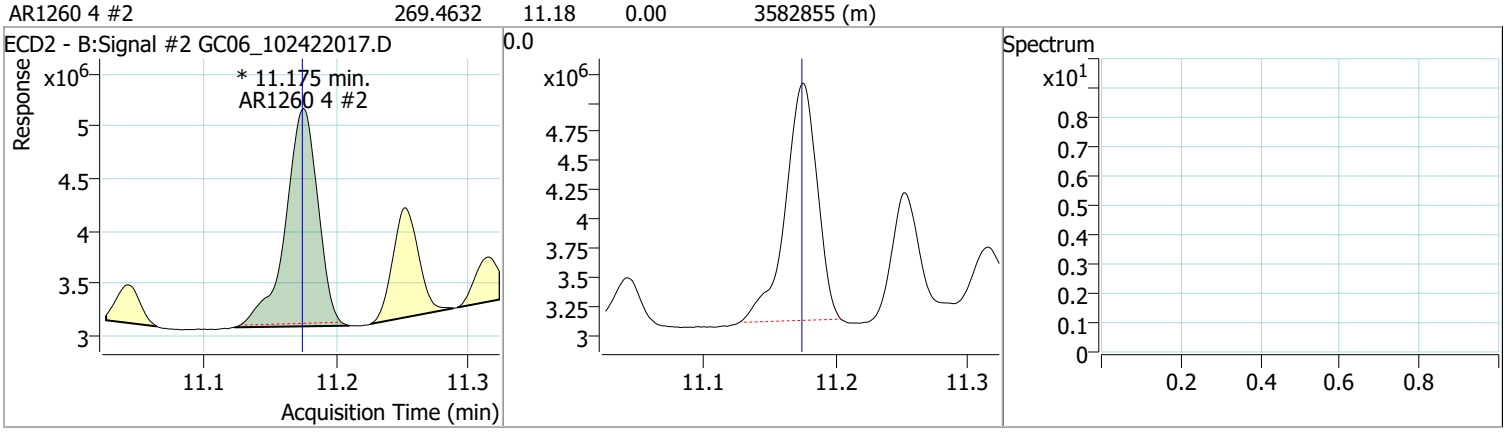
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	272.1624	10.58	0.00	2108588				



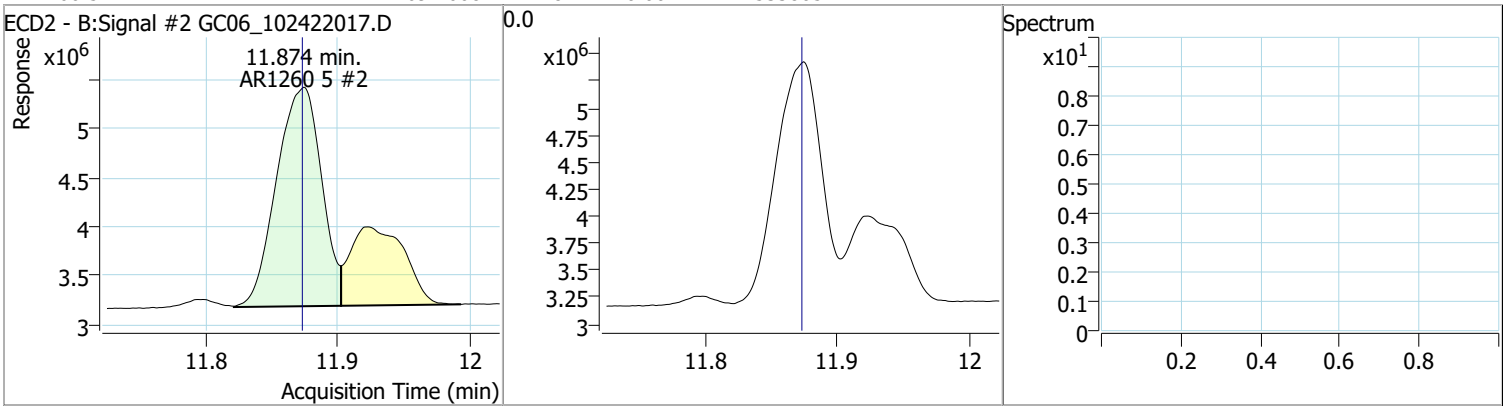
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	250.6144	10.76	0.00	5581397				



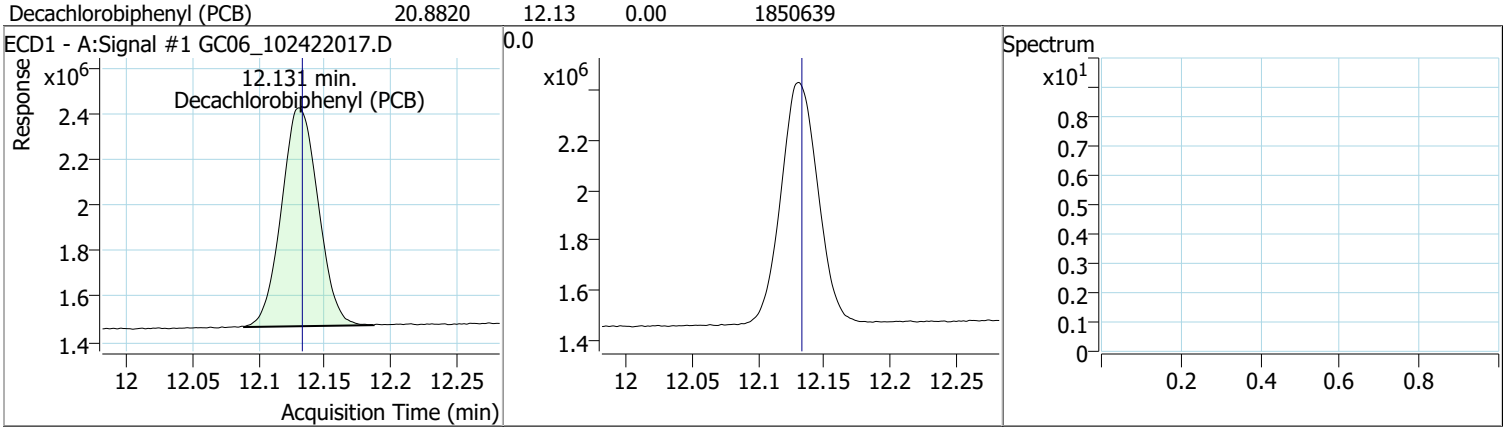
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	269.4632	11.18	0.00	3582855 (m)				



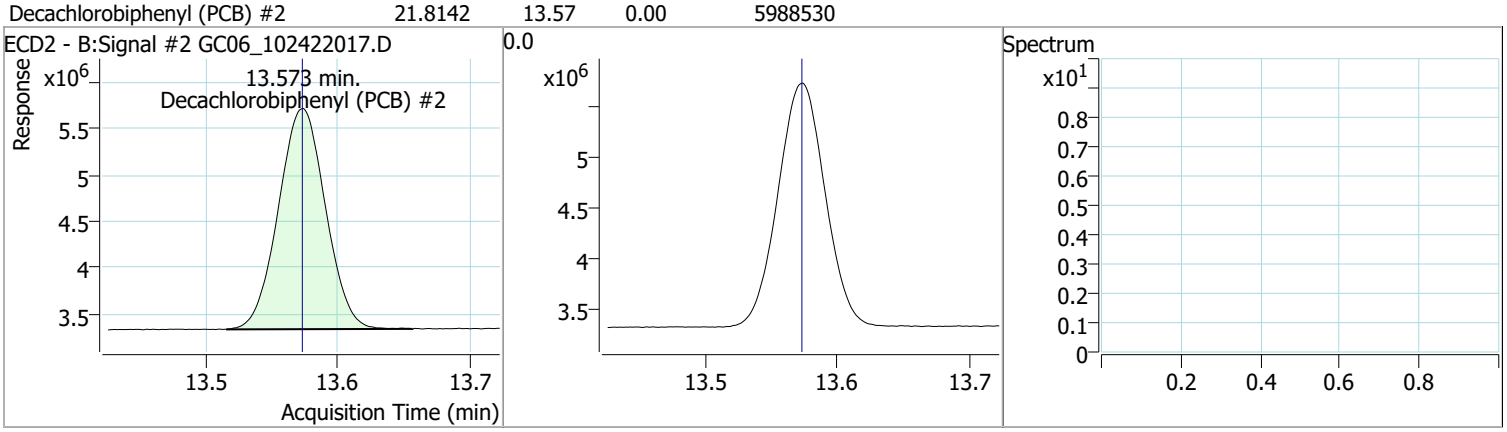
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	269.7608	11.87	0.00	5338057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.8820	12.13	0.00	1850639				

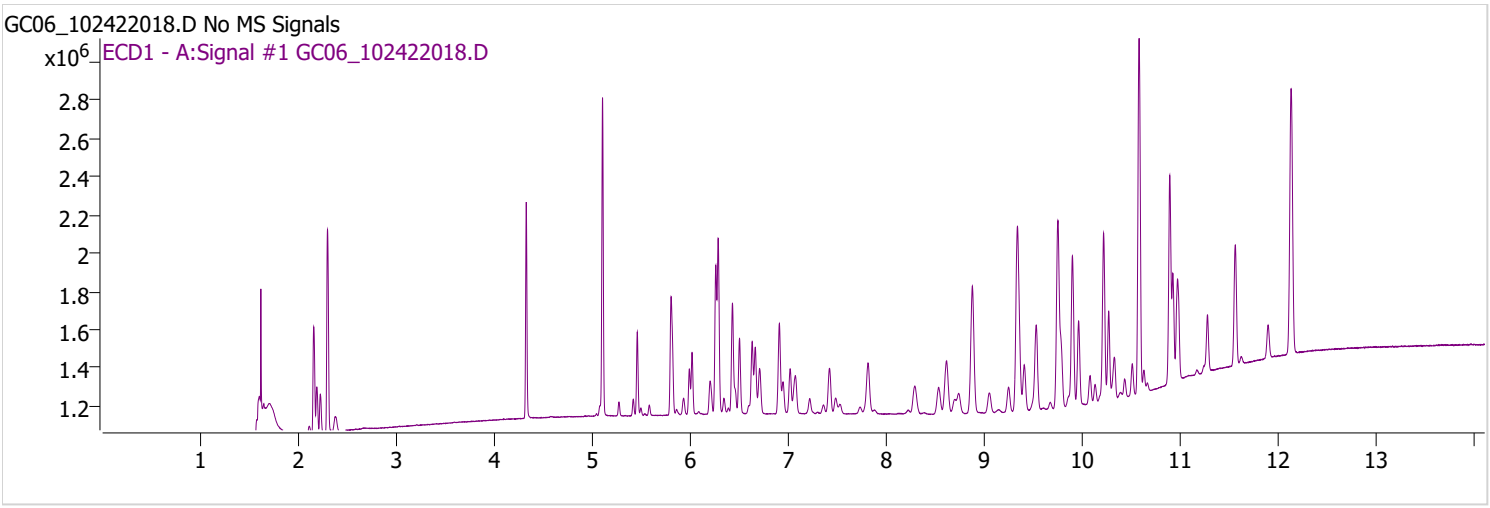


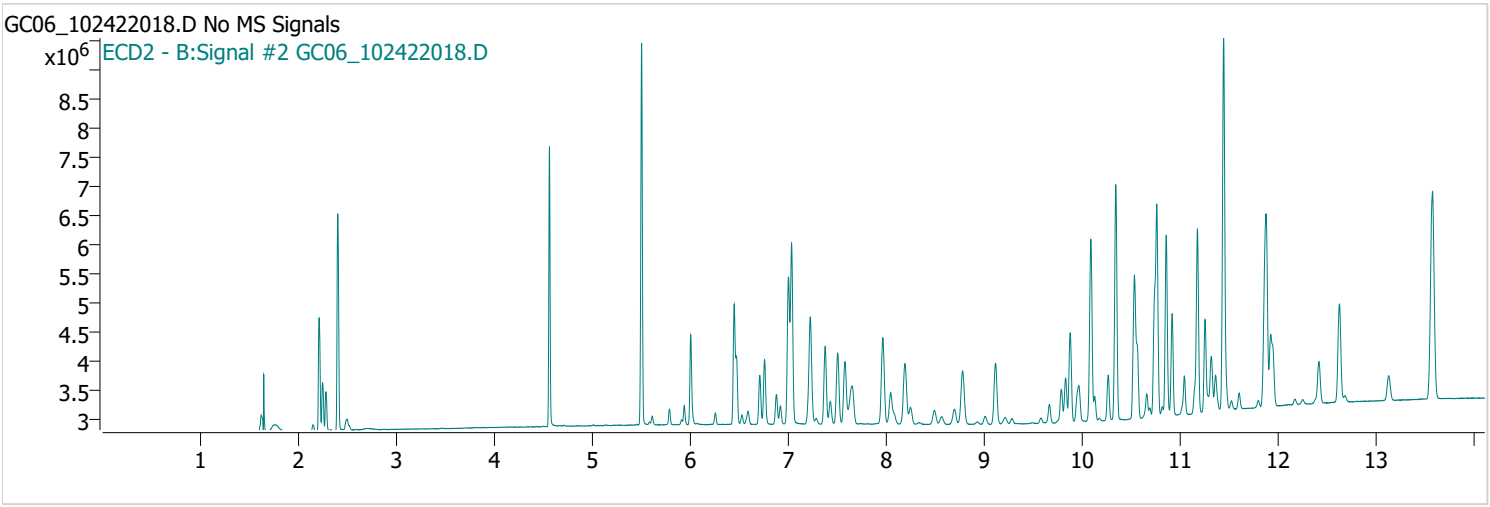
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.8142	13.57	0.00	5988530				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:38:01 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



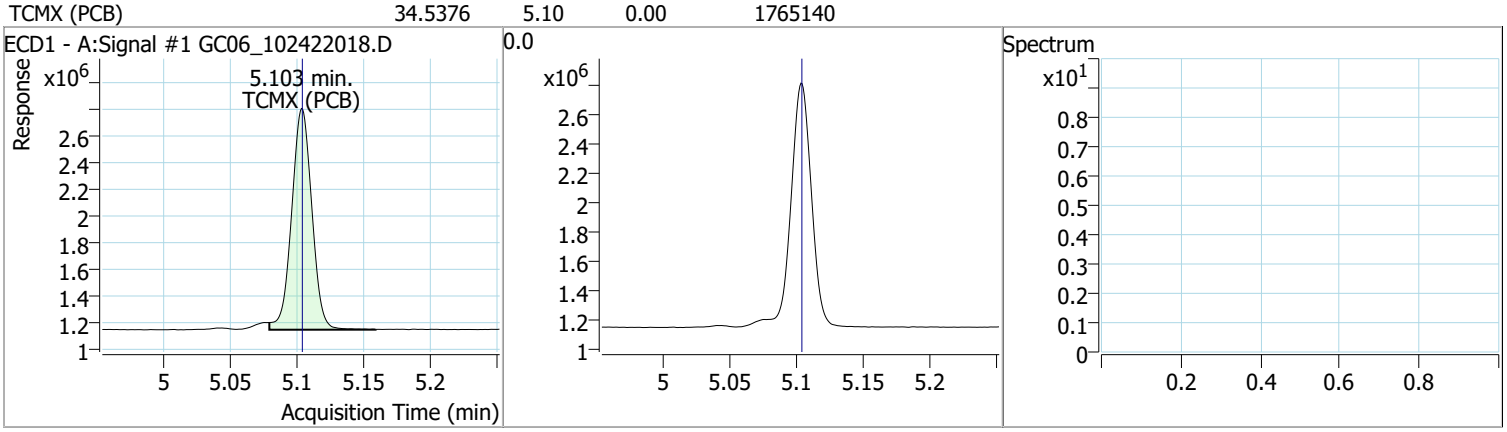


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1063014.245	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4327999.304	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1765140.014	34.5376	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.69%		*	
S TCMX (PCB) #2	5.503	0.0	7185282.107	34.5695	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.85%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2792824.739	39.0257	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.13%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	9183894.715	39.6055	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.03%		*	
Target Compounds							QValue

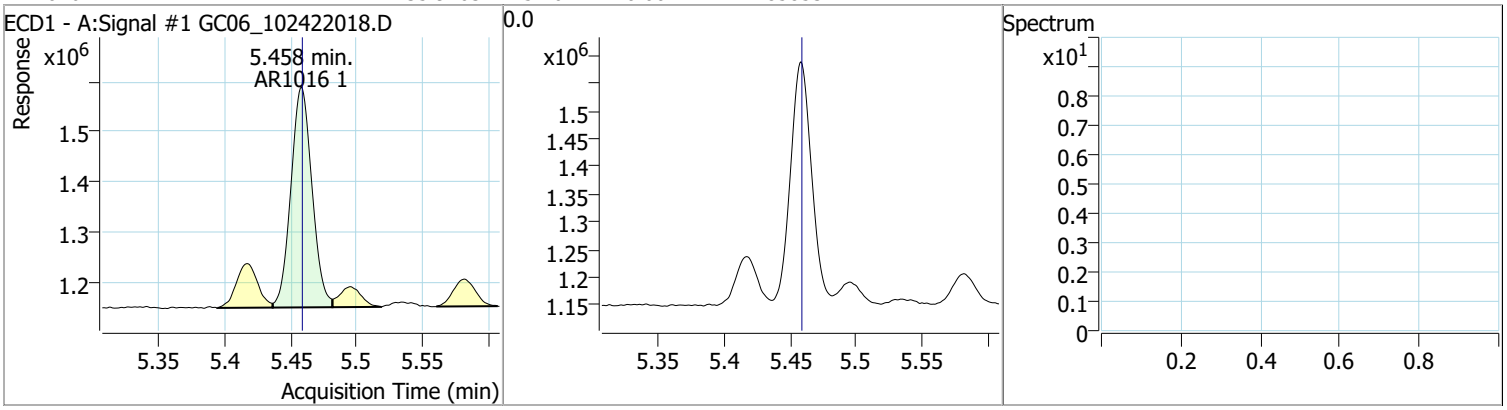
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	485852.867	435.9403	ng/ml		100
T AR1016 2	5.803	0.0	1068389.956	466.7356	ng/ml		100
T AR1016 1 #2	6.003	0.0	2046877.373	455.0453	ng/ml		100
T AR1016 3	6.283	0.0	1246552.904	441.1492	ng/ml		100
T AR1016 4	6.430	0.0	958287.349	445.8988	ng/ml		100
T AR1016 2 #2	6.448	0.0	2839339.245	437.2699	ng/ml	m	100
T AR1016 5	6.908	0.0	776873.262	448.7957	ng/ml		100
T AR1016 3 #2	7.033	0.0	5153170.052	436.7672	ng/ml		100
T AR1016 4 #2	7.223	0.0	3762341.264	446.6742	ng/ml		100
T AR1016 5 #2	7.965	0.0	3081651.312	450.0997	ng/ml		100
T AR1260 1	8.878	0.0	1535144.810	427.1323	ng/ml		100
T AR1260 2	9.338	0.0	2395142.001	437.2290	ng/ml		100
T AR1260 3	9.752	0.0	2465753.437	430.6459	ng/ml		100
T AR1260 1 #2	10.088	0.0	5518695.670	428.4678	ng/ml		100
T AR1260 4	10.218	0.0	1491017.295	477.5929	ng/ml		100
T AR1260 2 #2	10.342	0.0	6578337.875	425.0754	ng/ml		100
T AR1260 5	10.581	0.0	3129643.582	472.8847	ng/ml		100
T AR1260 3 #2	10.760	0.0	8315695.484	424.5121	ng/ml		100
T AR1260 4 #2	11.176	0.0	5439717.782	482.3064	ng/ml		100
T AR1260 5 #2	11.875	0.0	8037599.403	475.0785	ng/ml		100

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

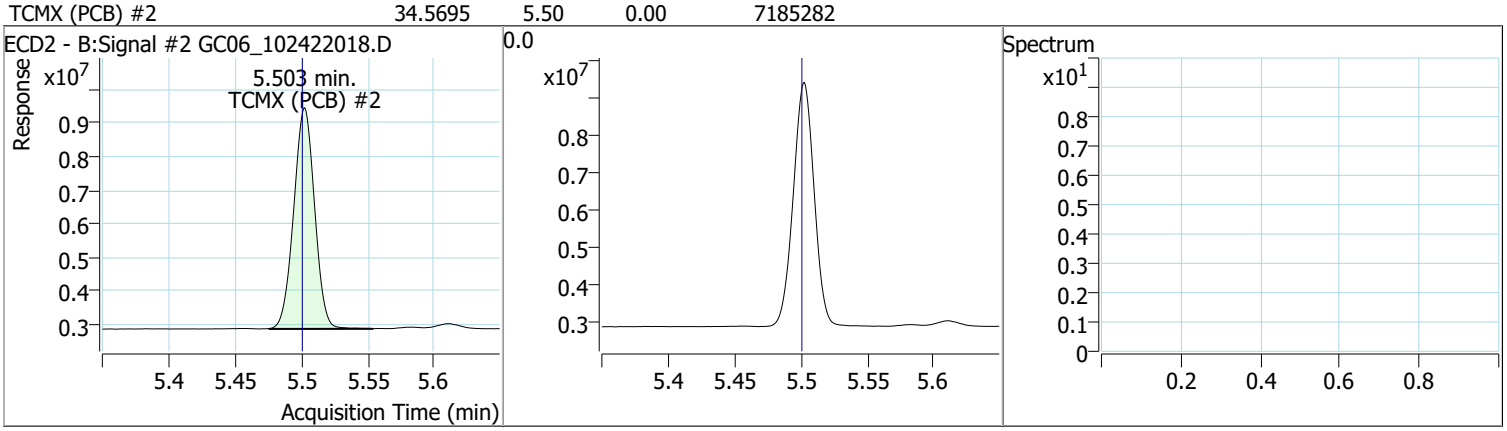
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.5376	5.10	0.00	1765140				



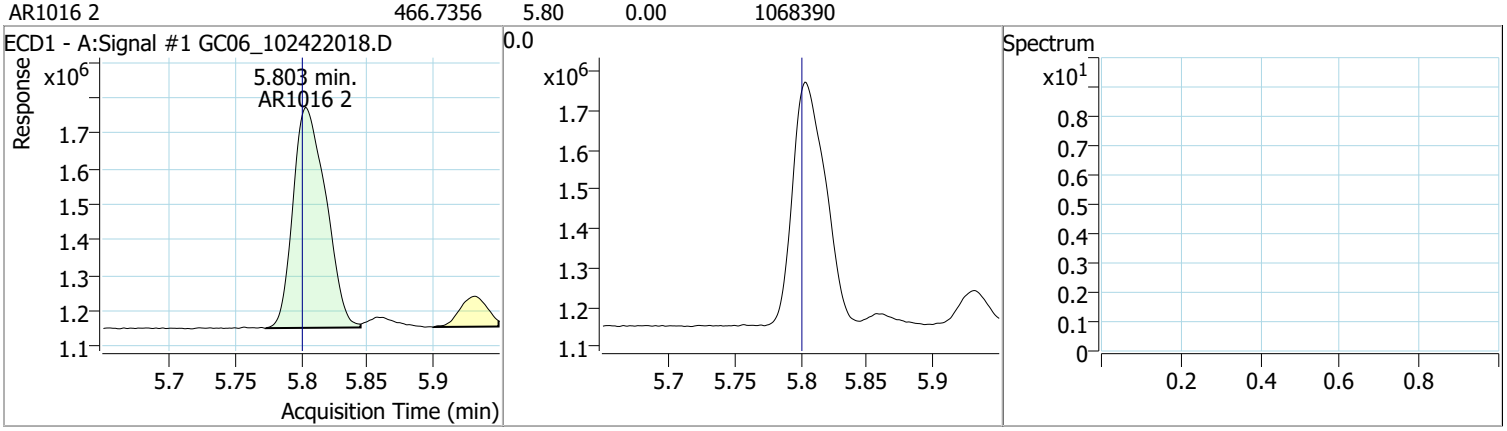
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.9403	5.46	0.00	485853				



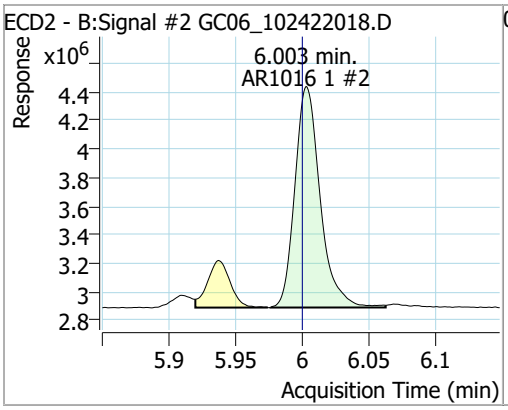
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.5695	5.50	0.00	7185282				

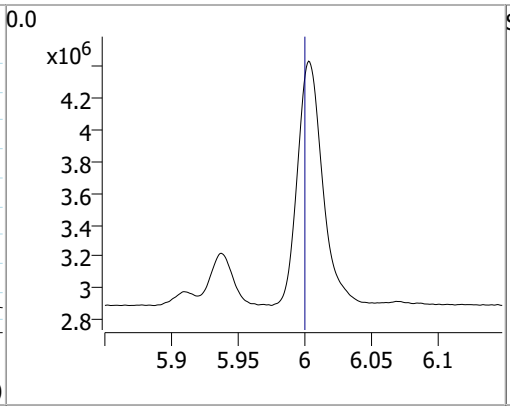


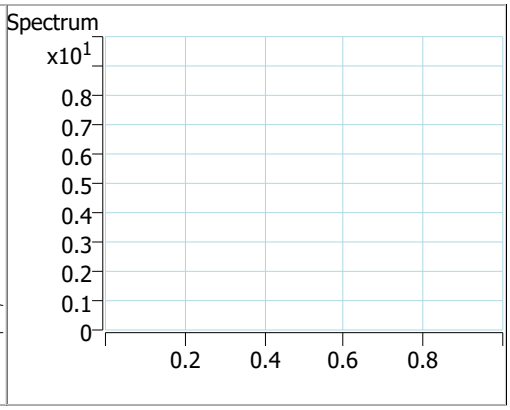
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	466.7356	5.80	0.00	1068390				



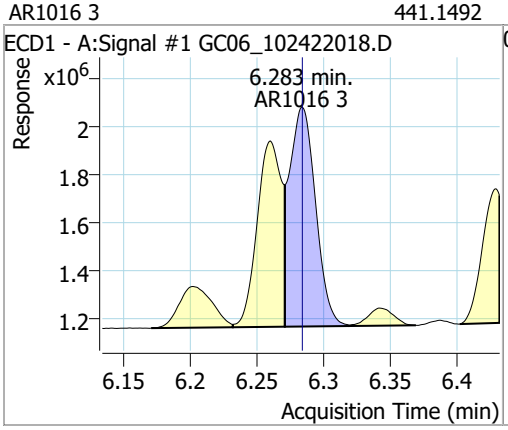
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.0453	6.00	0.00	2046877				

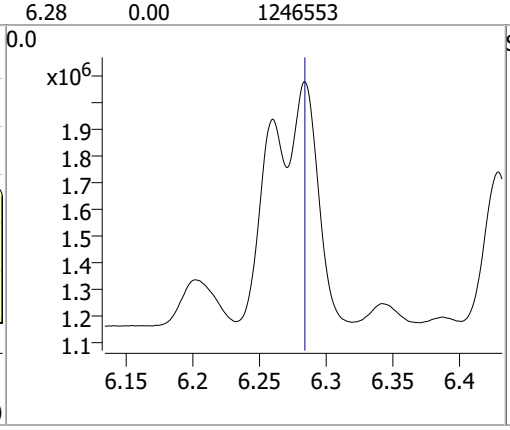


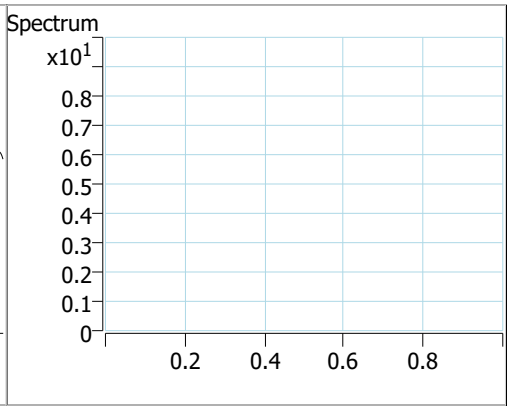




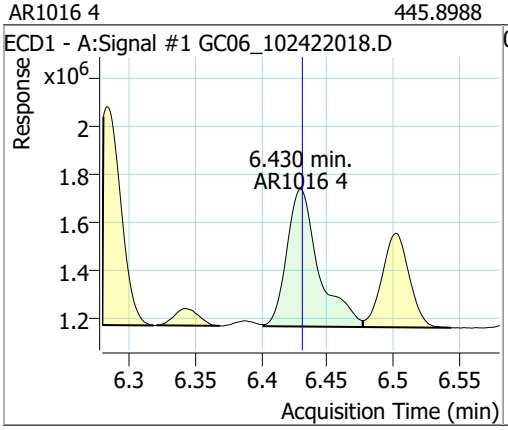
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	441.1492	6.28	0.00	1246553				

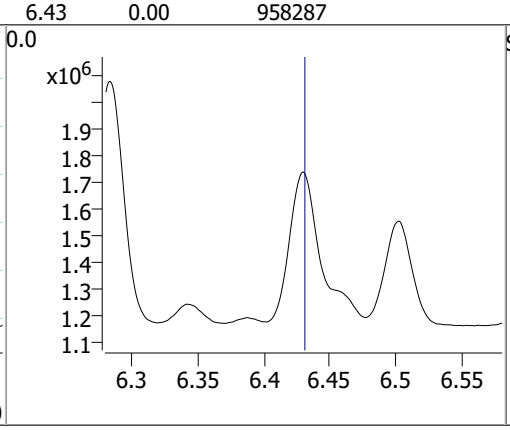


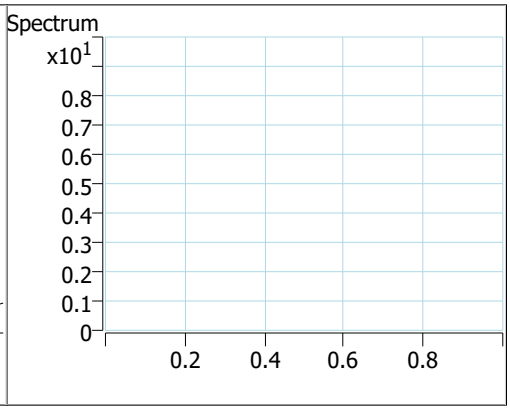




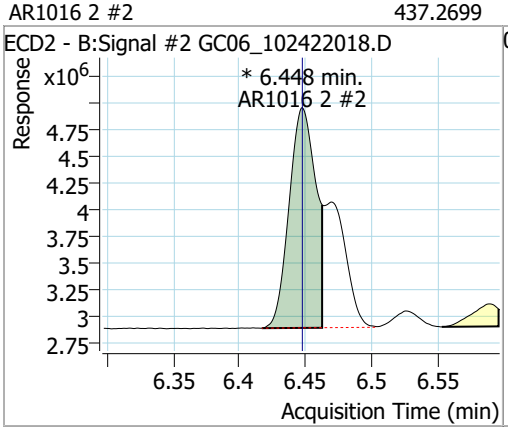
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	445.8988	6.43	0.00	958287				

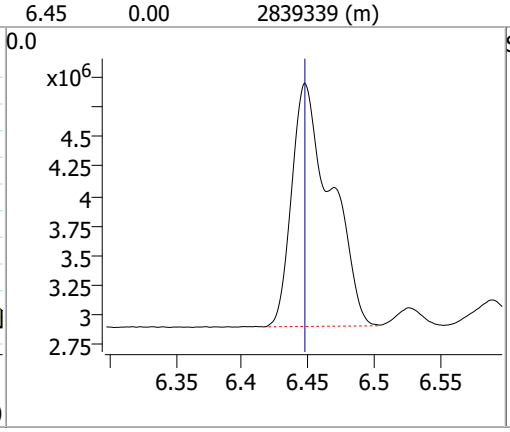


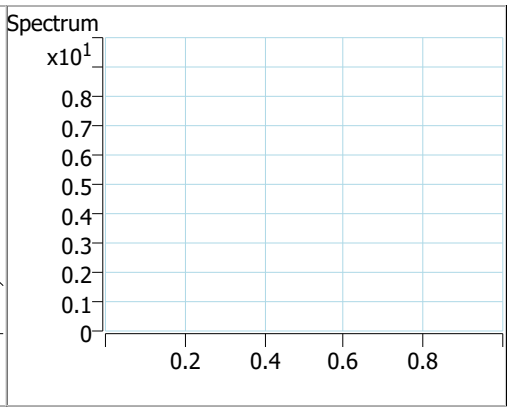




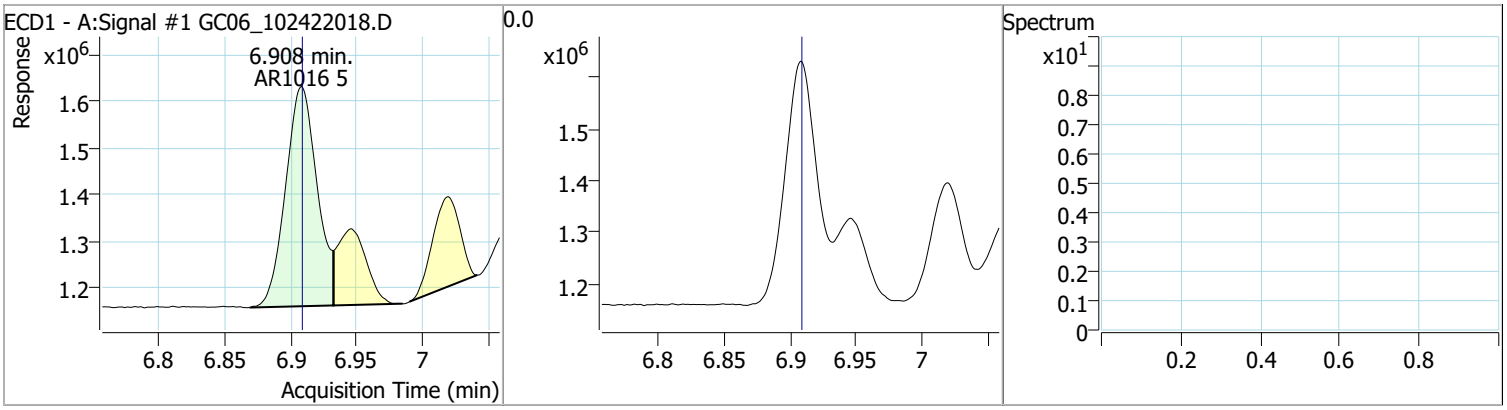
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.2699	6.45	0.00	2839339 (m)				



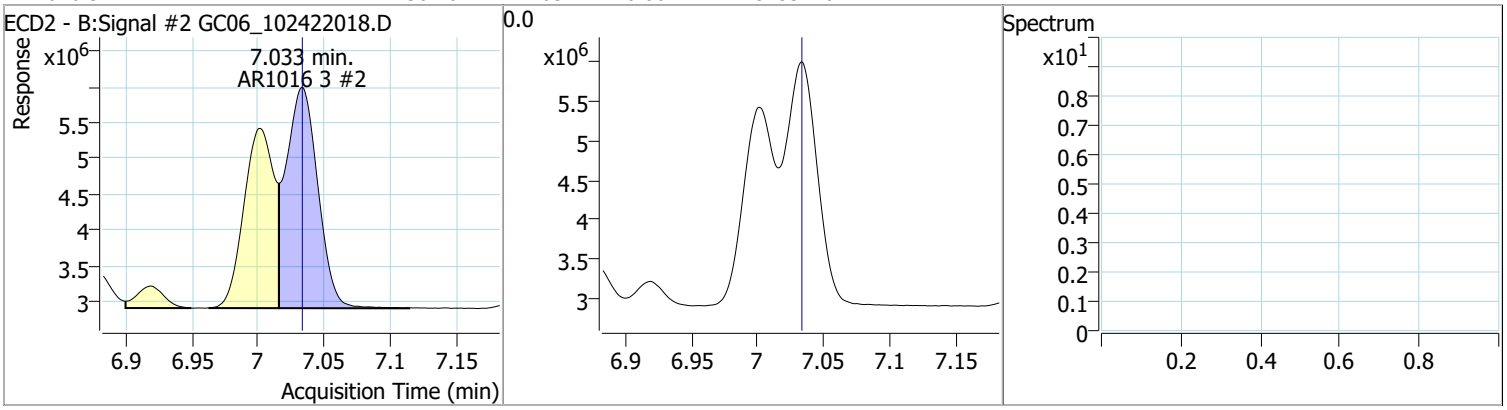




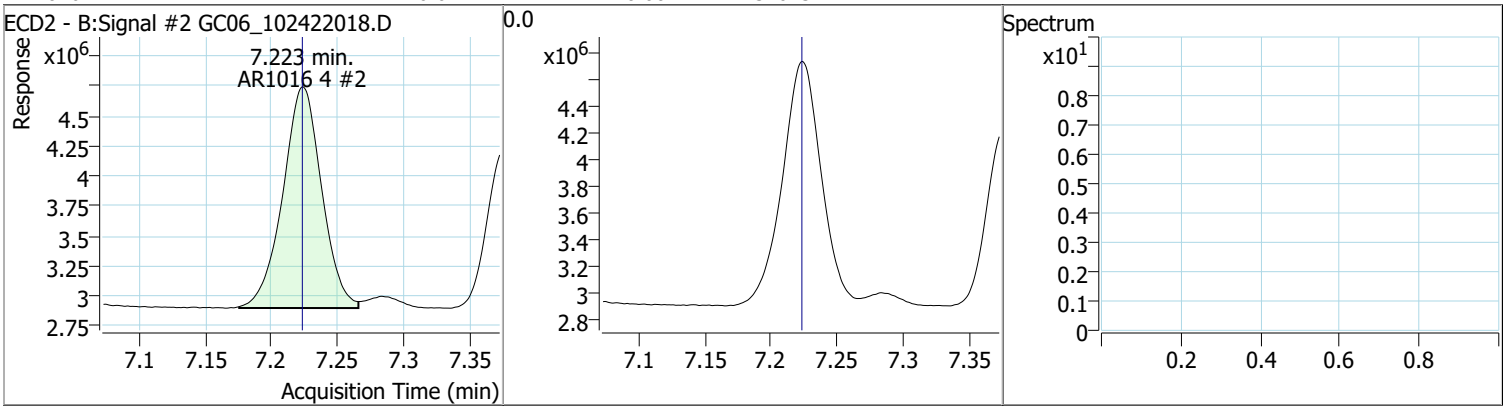
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	448.7957	6.91	0.00	776873				



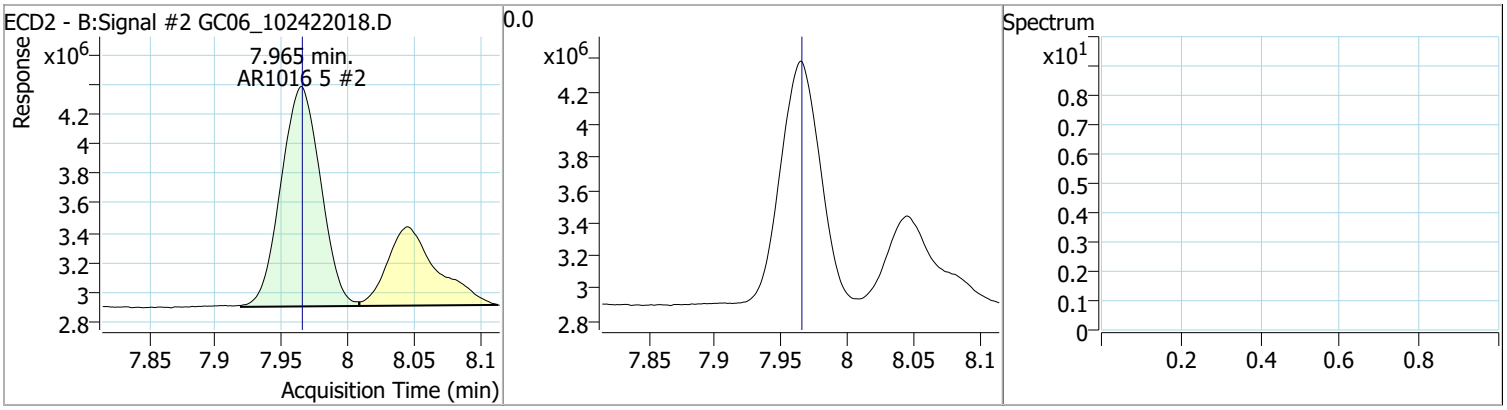
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	436.7672	7.03	0.00	5153170				



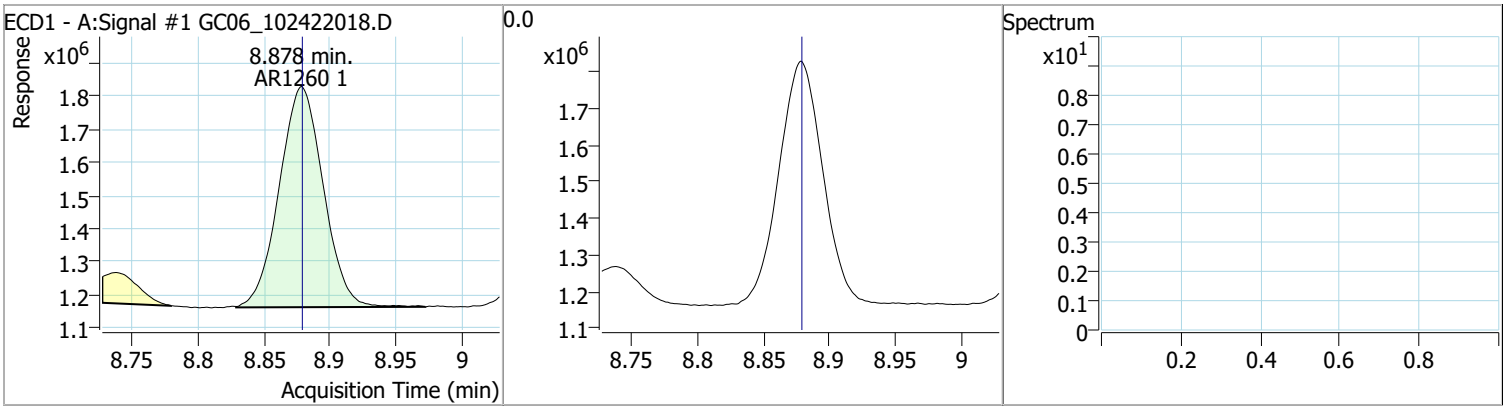
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	446.6742	7.22	0.00	3762341				



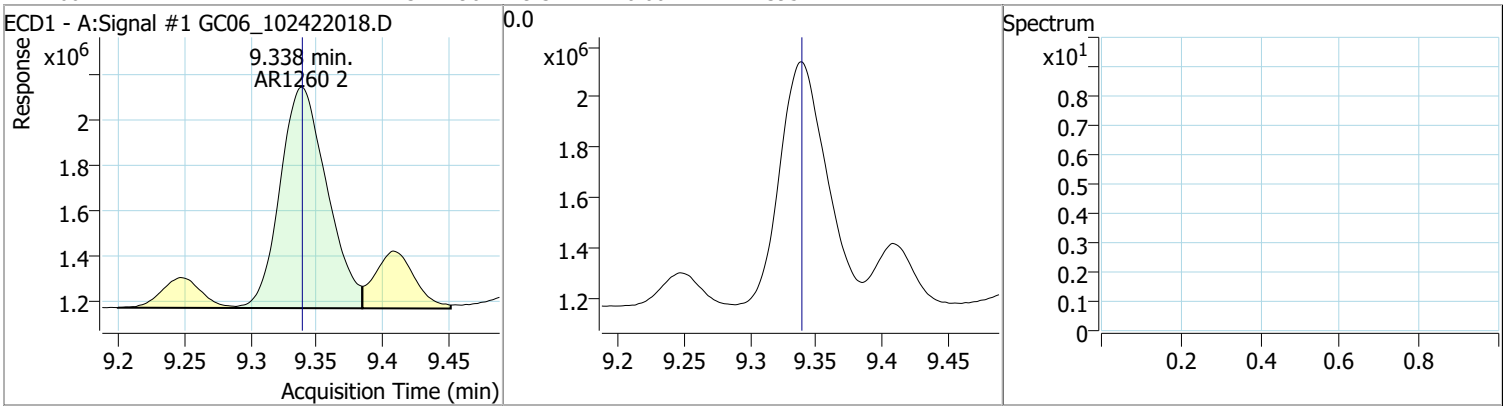
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.0997	7.97	0.00	3081651				



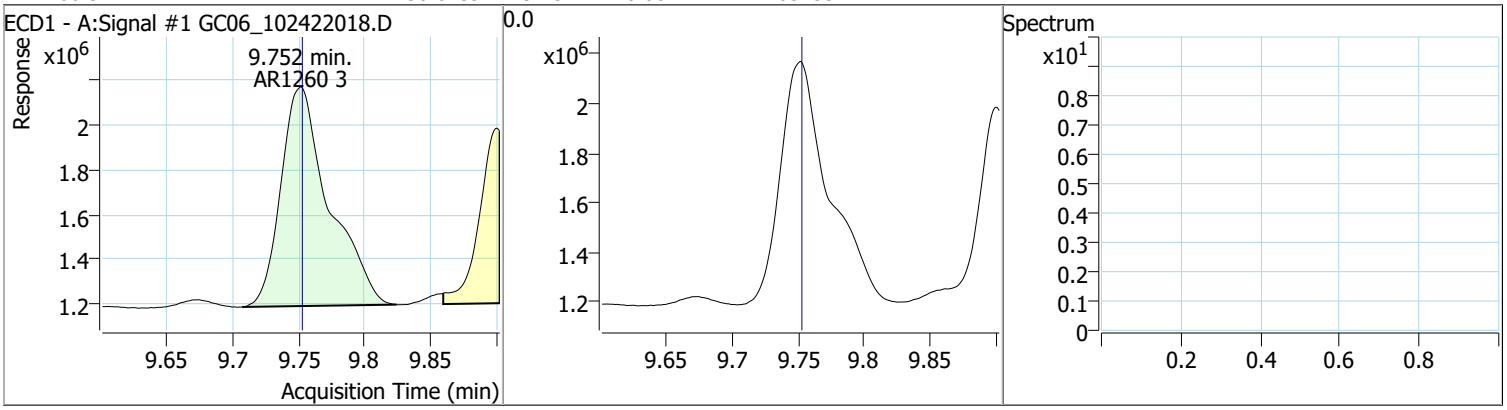
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	427.1323	8.88	0.00	1535145				



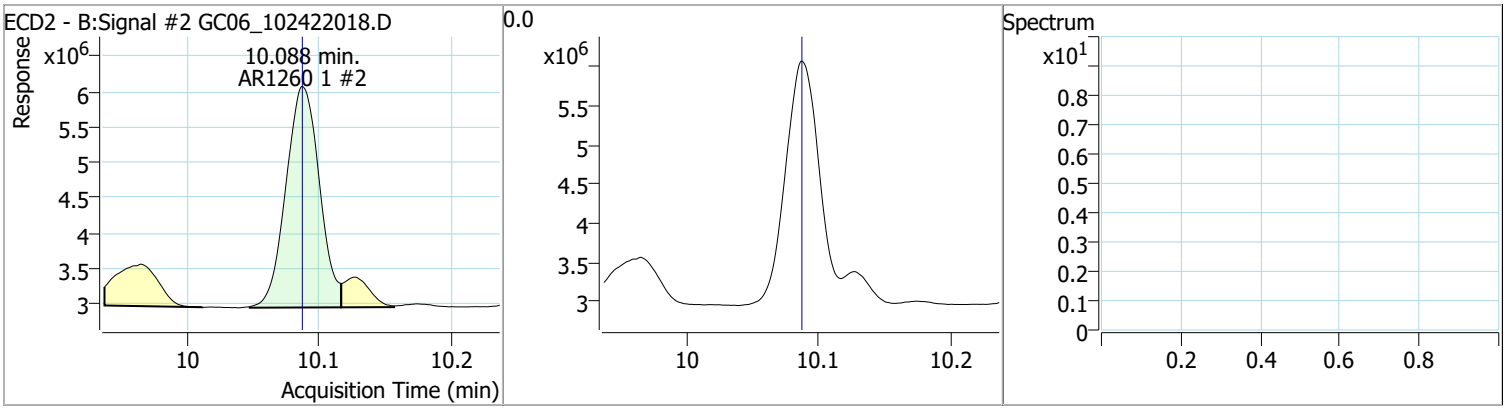
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.2290	9.34	0.00	2395142				



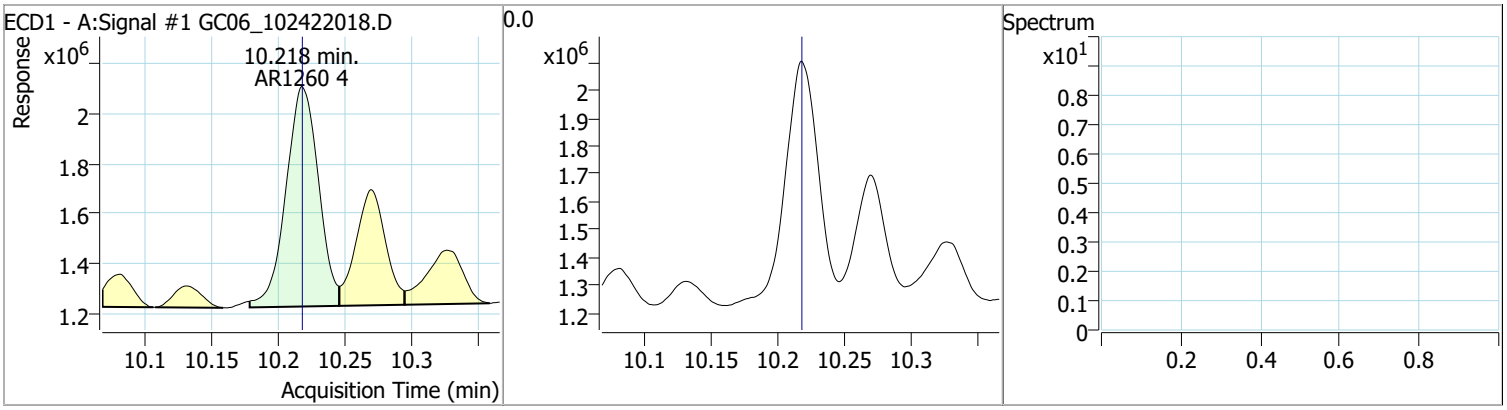
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	430.6459	9.75	0.00	2465753				



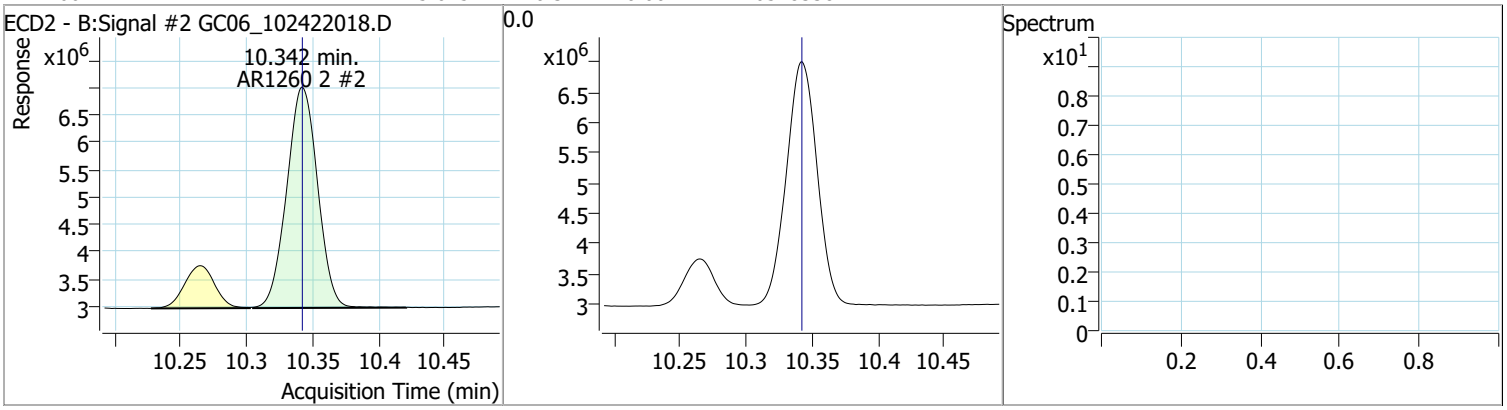
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	428.4678	10.09	0.00	5518696				



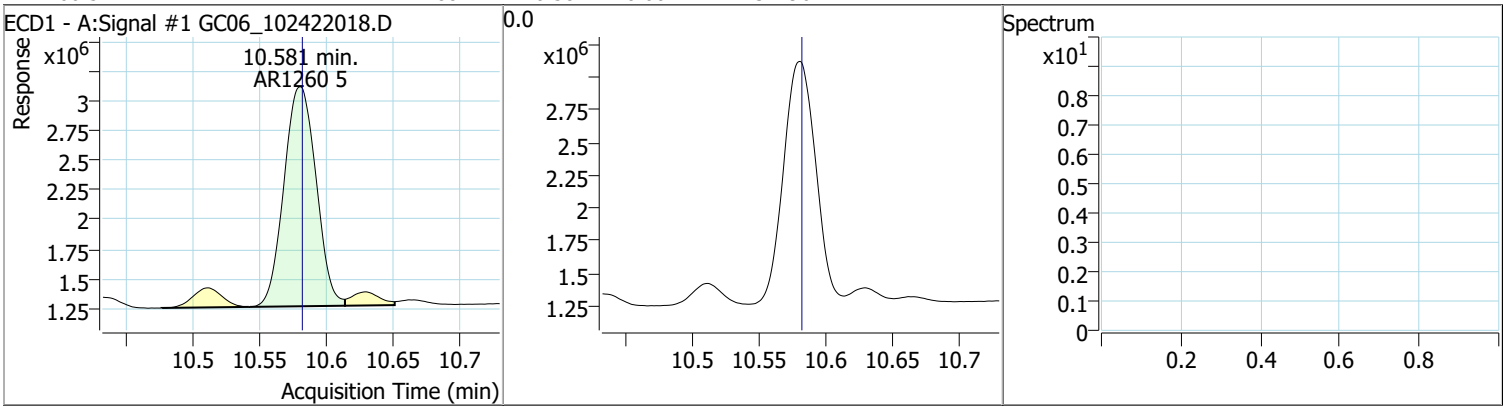
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AR1260 4	477.5929	10.22	0.00	1491017				



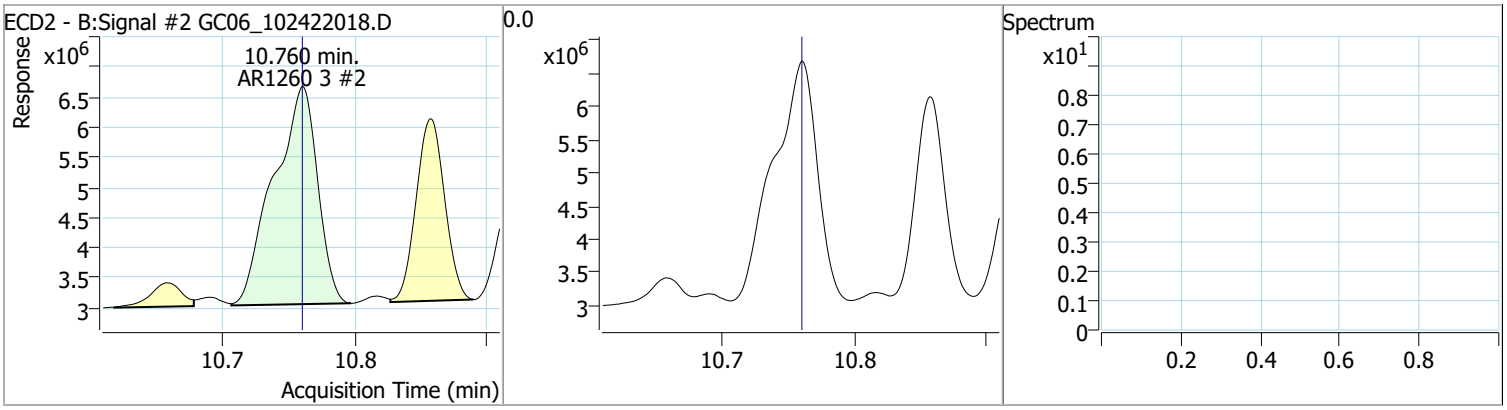
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	425.0754	10.34	0.00	6578338				



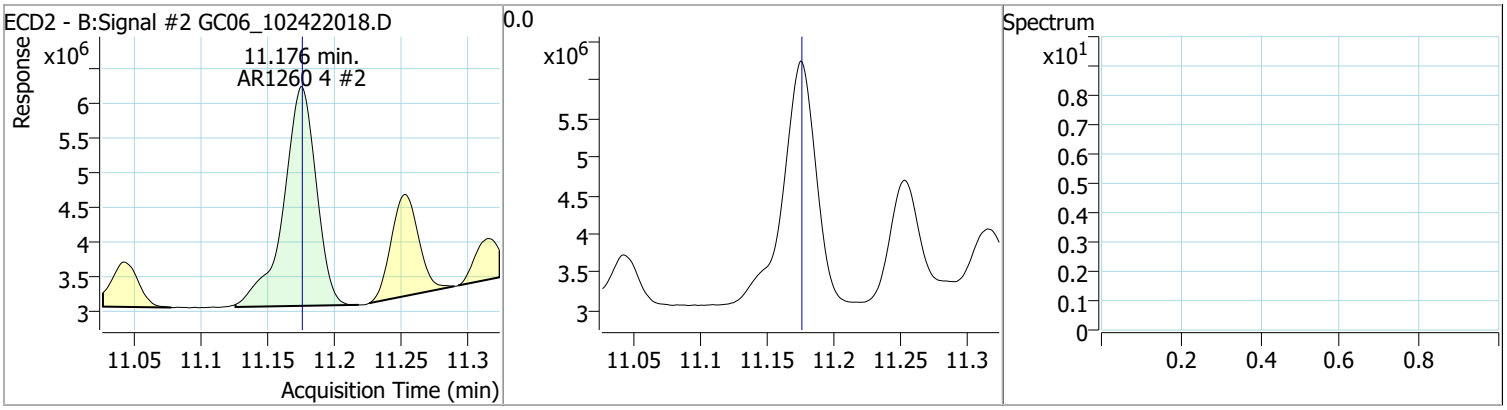
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.8847	10.58	0.00	3129644				



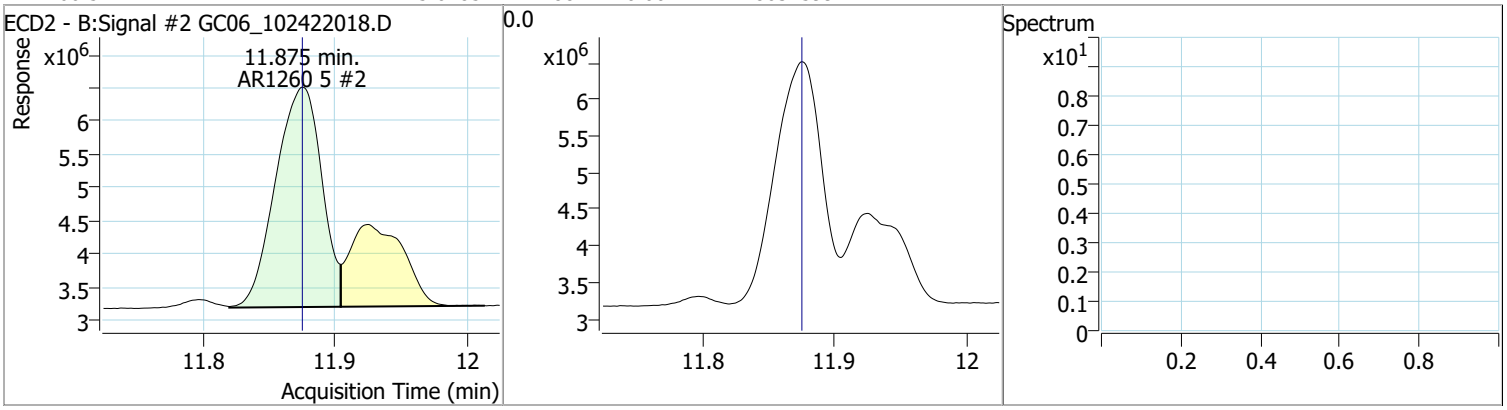
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.5121	10.76	0.00	8315695				



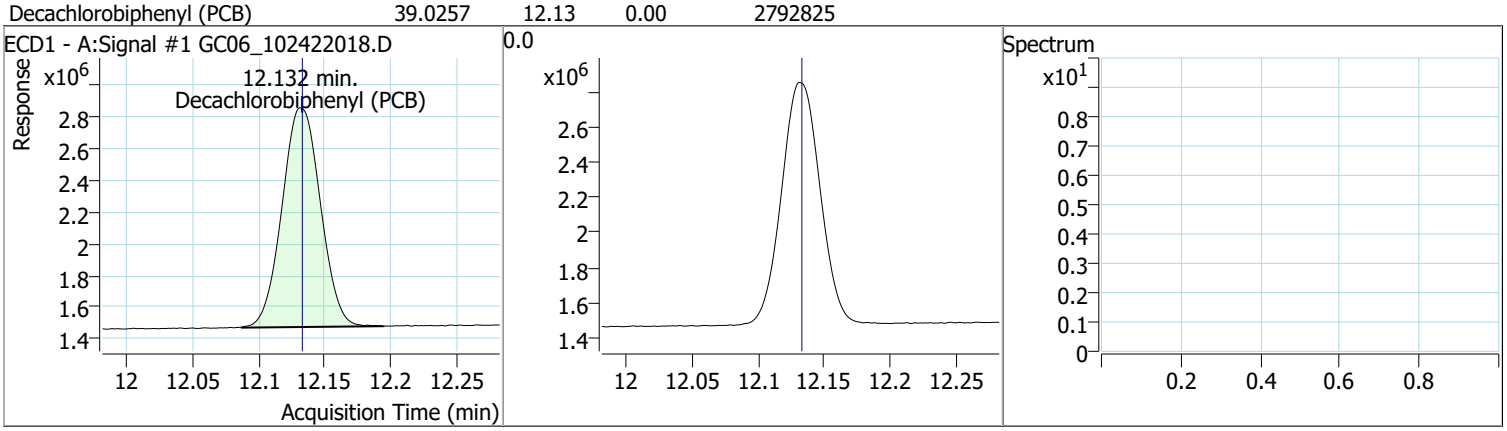
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	482.3064	11.18	0.00	5439718				



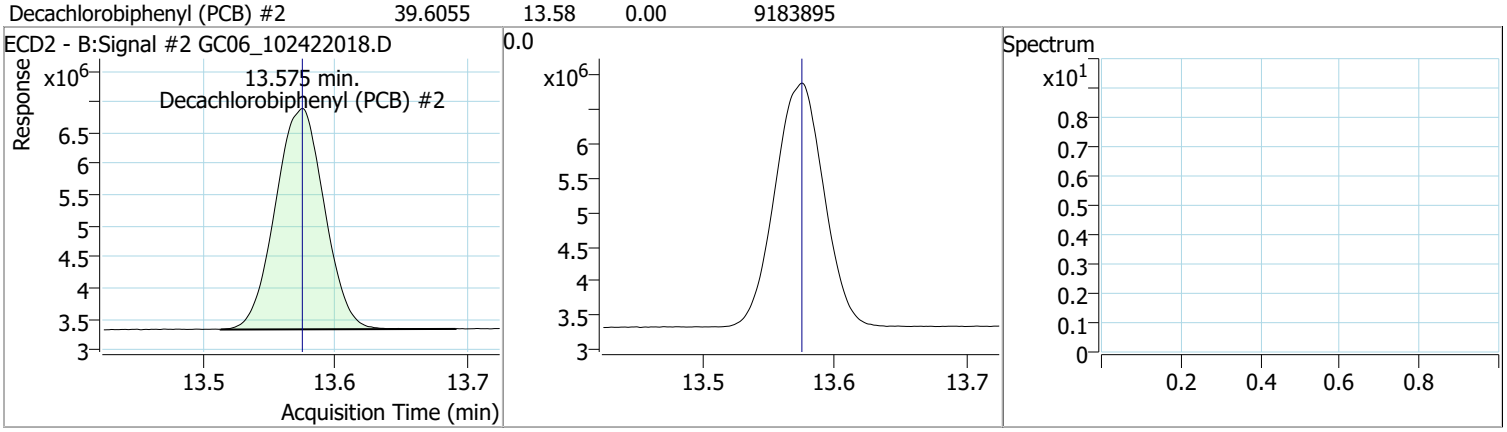
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	475.0785	11.88	0.00	8037599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0257	12.13	0.00	2792825				

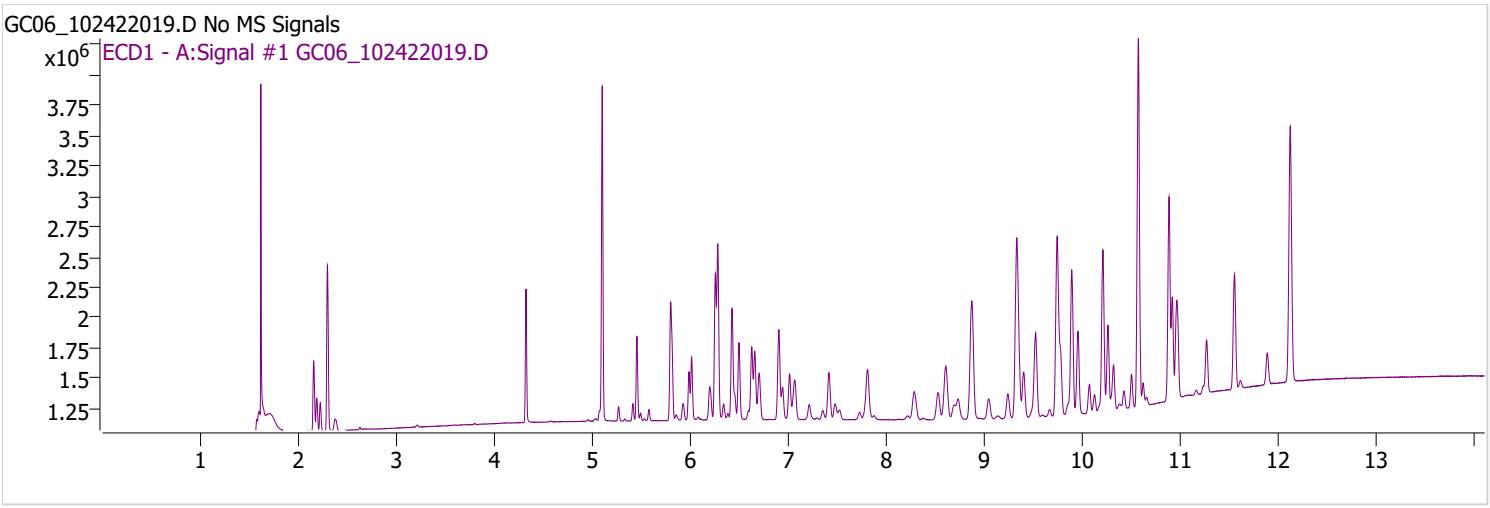


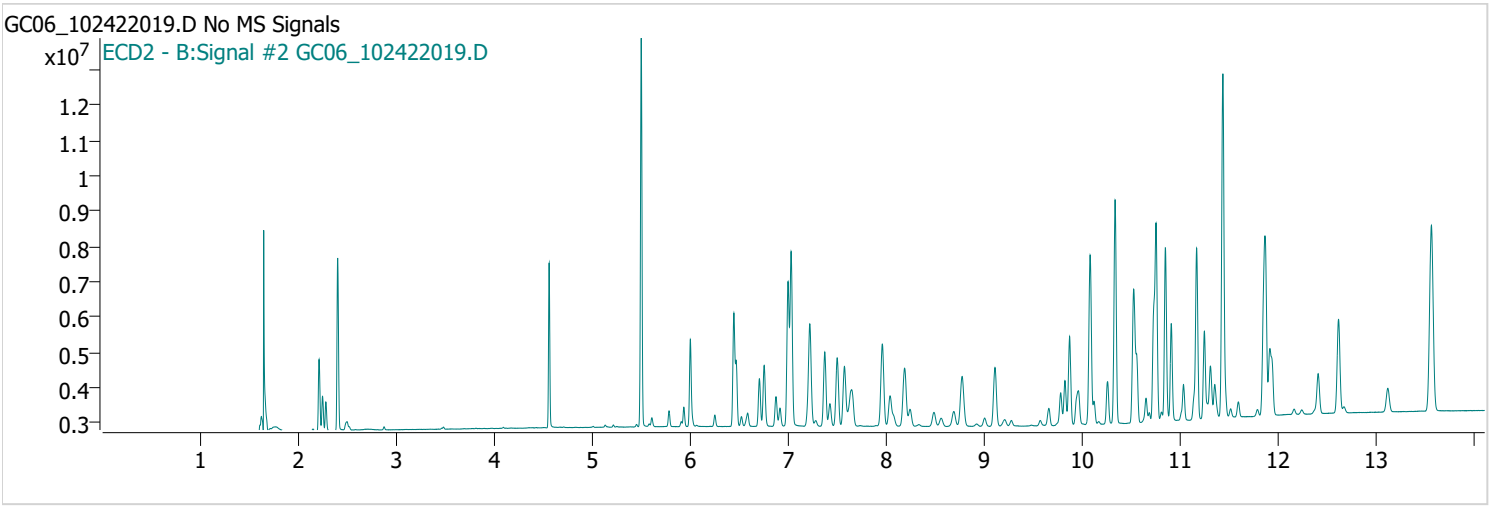
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6055	13.58	0.00	9183895				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:55:57 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



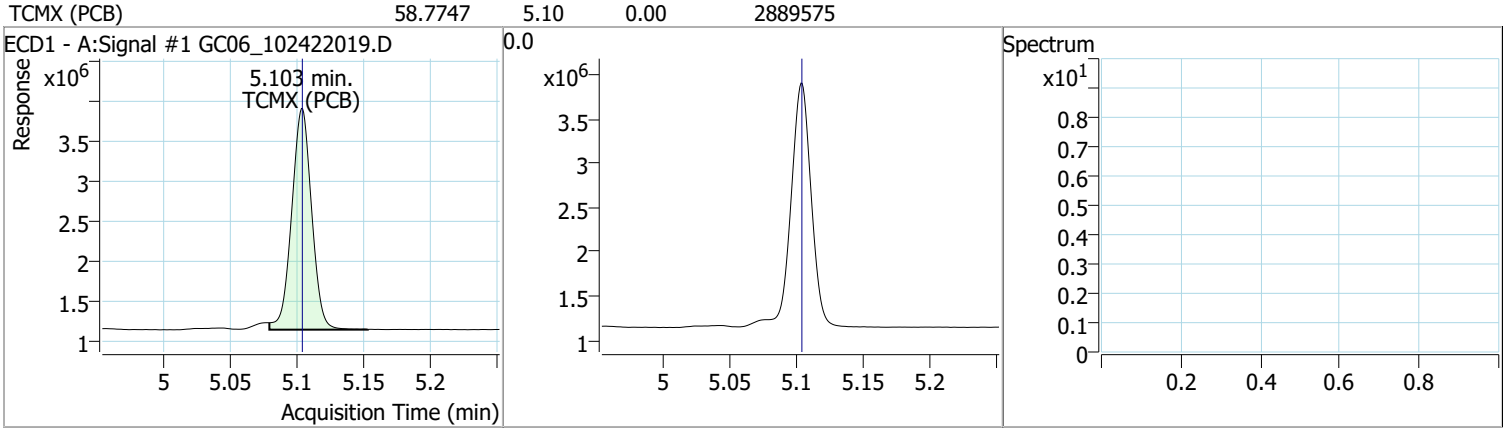


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1022576.576	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4174033.845	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	2889575.318	58.7747	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.87%		*	
S TCMX (PCB) #2	5.502	0.0	12018447.242	59.9555	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 299.78%		*	
S Decachlorobiphenyl (PCB)	12.131	0.0	4087132.062	61.6234	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.12%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	13554343.443	61.7298	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.65%		*	
Target Compounds							QValue

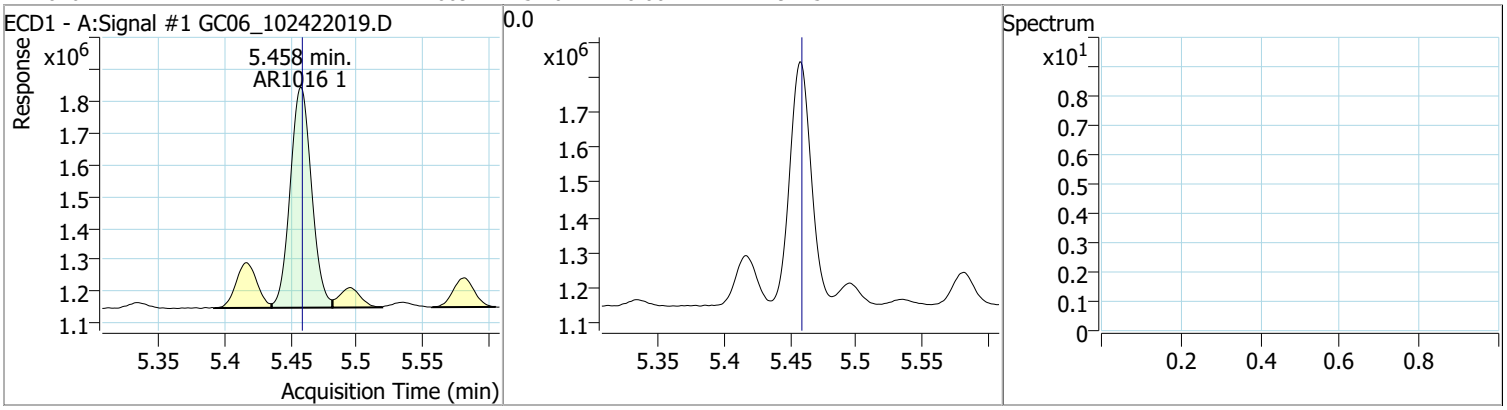
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	779425.049	727.0091	ng/ml		100
T AR1016 2	5.803	0.0	1697508.479	780.9261	ng/ml		100
T AR1016 1 #2	6.003	0.0	3250519.385	749.2846	ng/ml		100
T AR1016 3	6.284	0.0	1999248.159	735.5035	ng/ml		100
T AR1016 4	6.430	0.0	1529918.274	740.0346	ng/ml		100
T AR1016 2 #2	6.448	0.0	4584883.612	732.1361	ng/ml	m	100
T AR1016 5	6.908	0.0	1230110.661	738.7304	ng/ml		100
T AR1016 3 #2	7.033	0.0	8226702.311	722.9904	ng/ml		100
T AR1016 4 #2	7.223	0.0	5998163.664	738.3839	ng/ml		100
T AR1016 5 #2	7.964	0.0	4908449.359	743.3626	ng/ml		100
T AR1260 1	8.878	0.0	2377973.108	687.8018	ng/ml	m	100
T AR1260 2	9.338	0.0	3608366.991	684.7493	ng/ml		100
T AR1260 3	9.750	0.0	3823910.537	694.2591	ng/ml		100
T AR1260 1 #2	10.087	0.0	8619738.178	693.9161	ng/ml		100
T AR1260 4	10.218	0.0	2291687.481	772.3166	ng/ml		100
T AR1260 2 #2	10.342	0.0	10189046.973	682.6759	ng/ml		100
T AR1260 5	10.579	0.0	4841911.227	771.5470	ng/ml		100
T AR1260 3 #2	10.760	0.0	12934062.436	684.6327	ng/ml		100
T AR1260 4 #2	11.174	0.0	8435663.631	789.9076	ng/ml		100
T AR1260 5 #2	11.873	0.0	12366844.232	769.0388	ng/ml		100

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

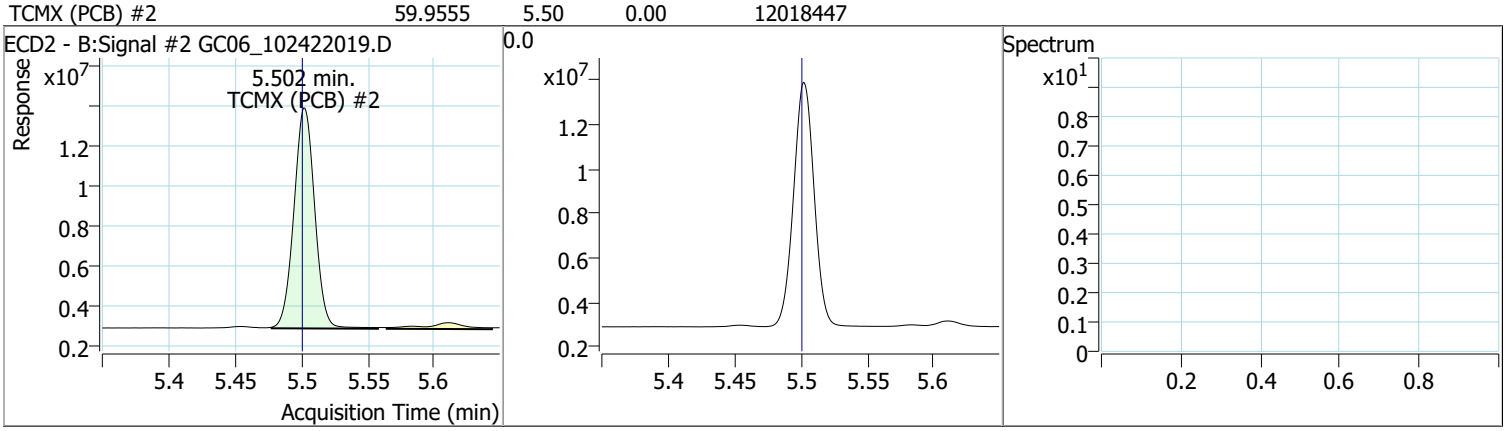
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7747	5.10	0.00	2889575				



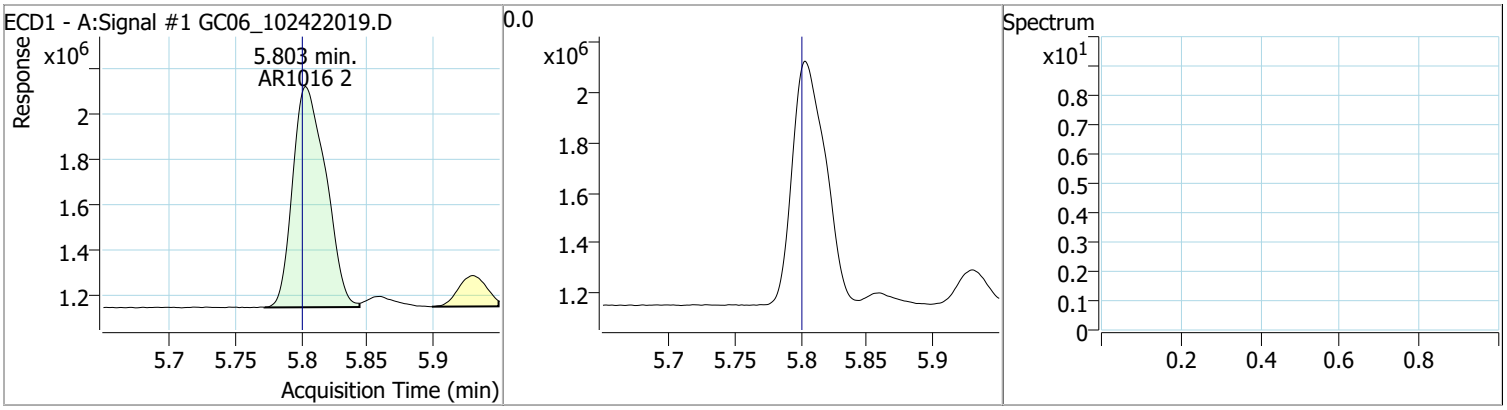
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	727.0091	5.46	0.00	779425				



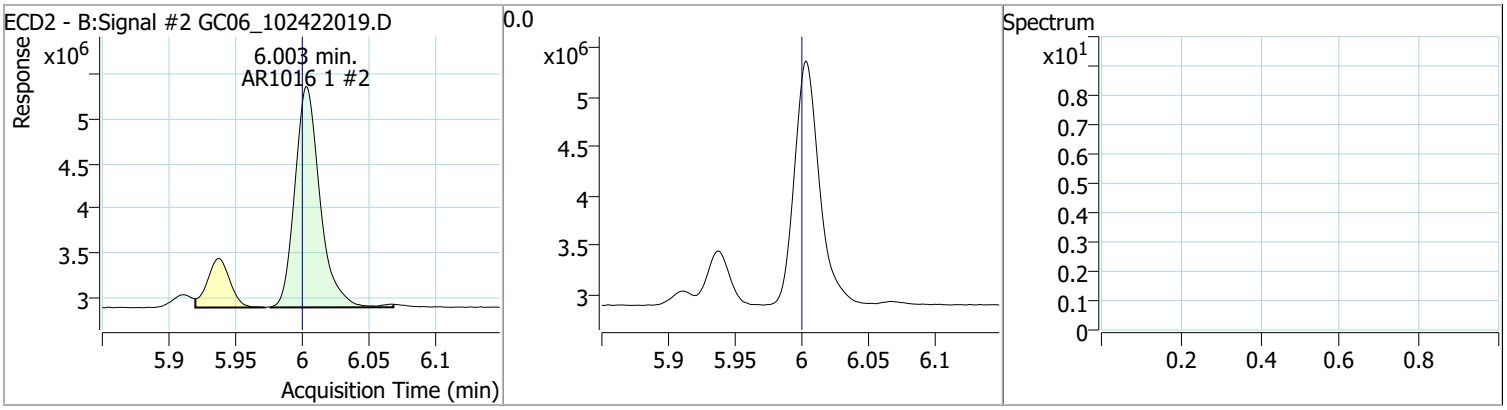
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	59.9555	5.50	0.00	12018447				



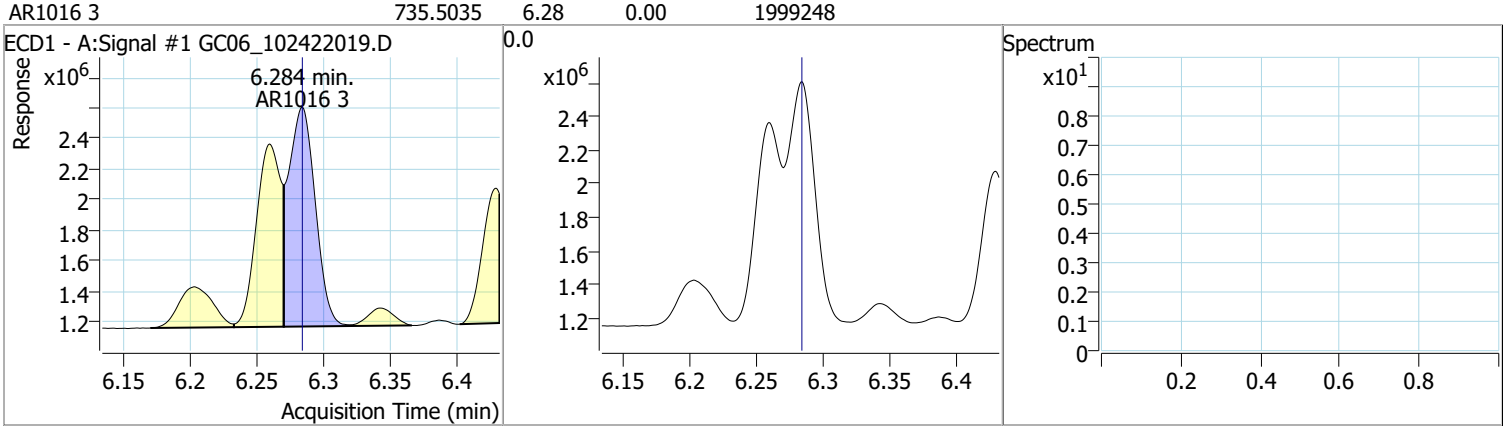
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	780.9261	5.80	0.00	1697508				



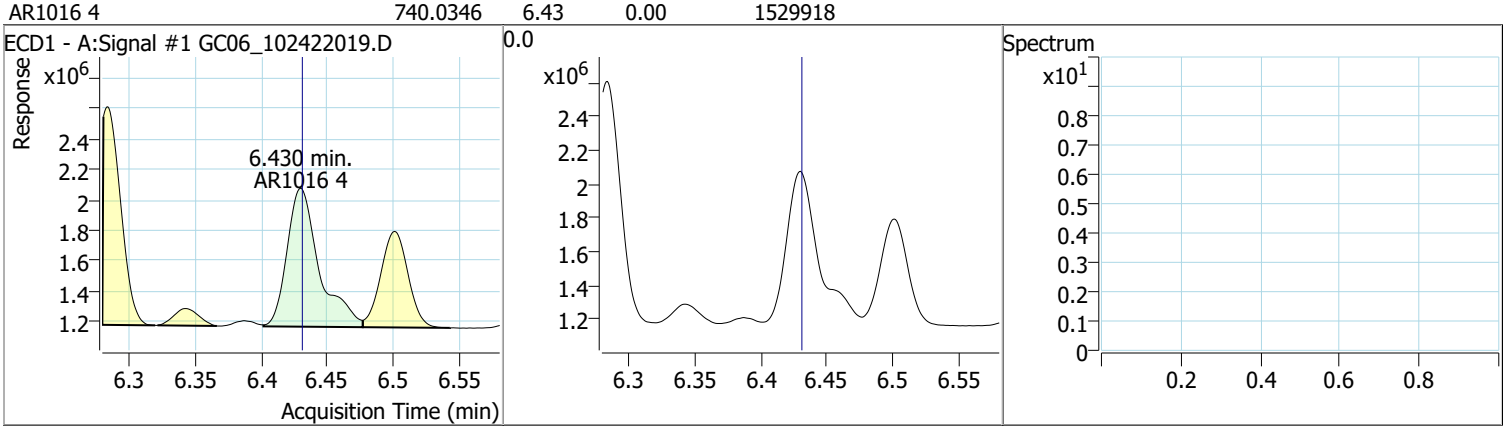
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	749.2846	6.00	0.00	3250519				



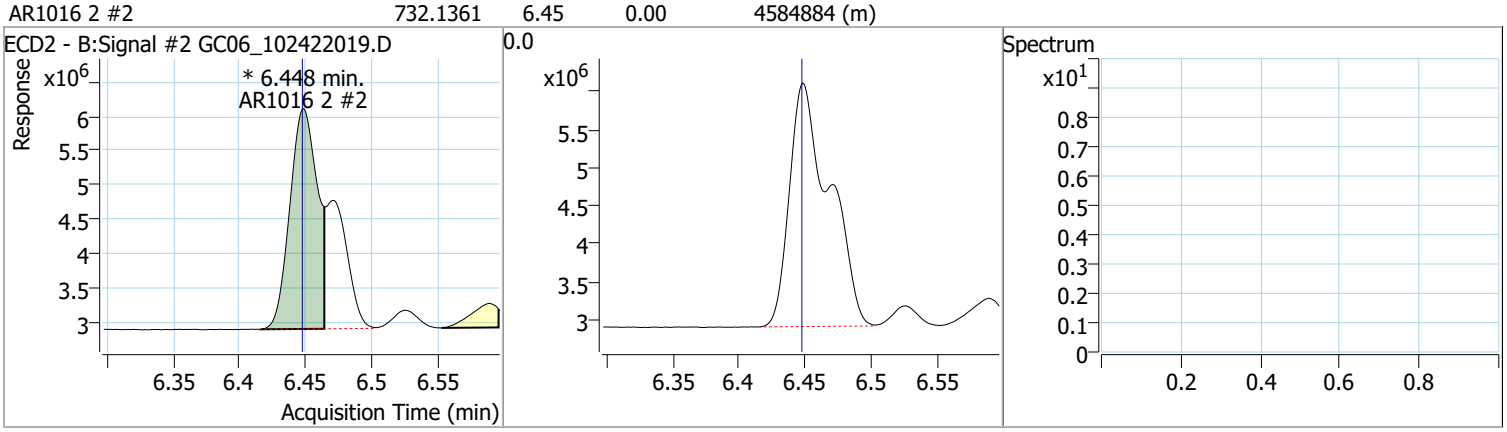
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	735.5035	6.28	0.00	1999248				



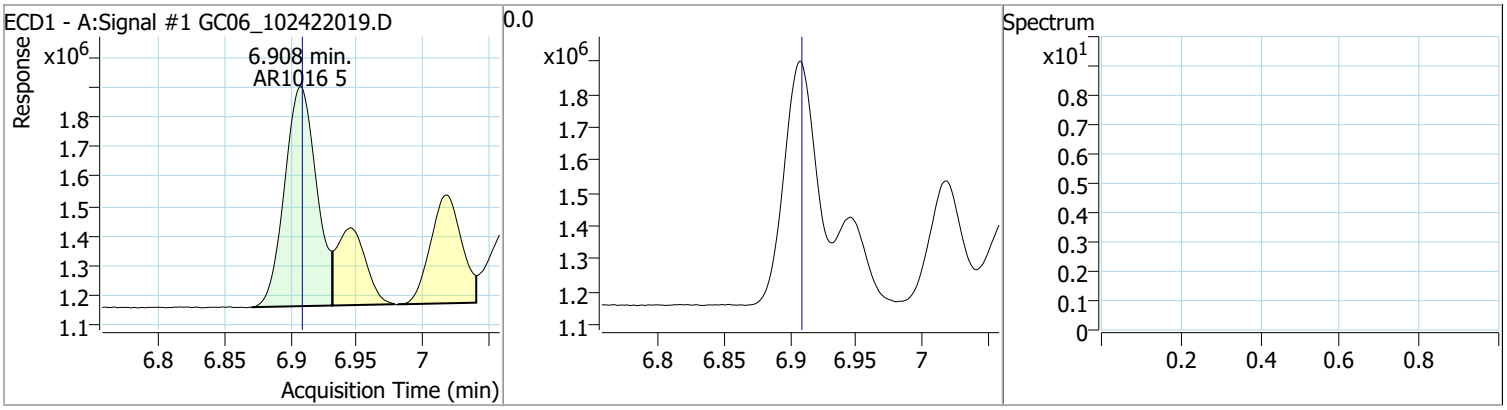
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	740.0346	6.43	0.00	1529918				



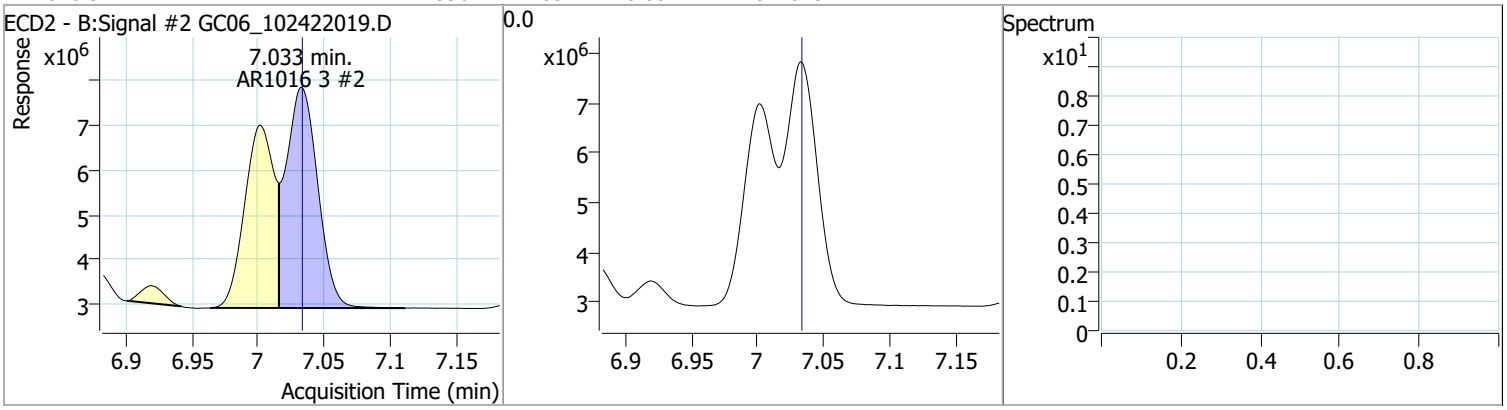
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	732.1361	6.45	0.00	4584884 (m)				



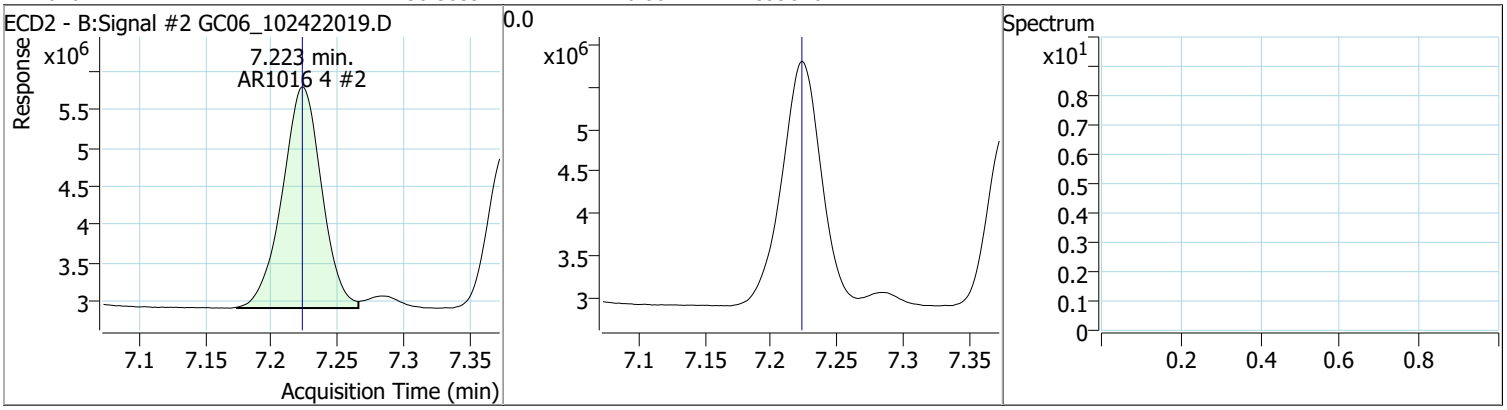
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	738.7304	6.91	0.00	1230111				



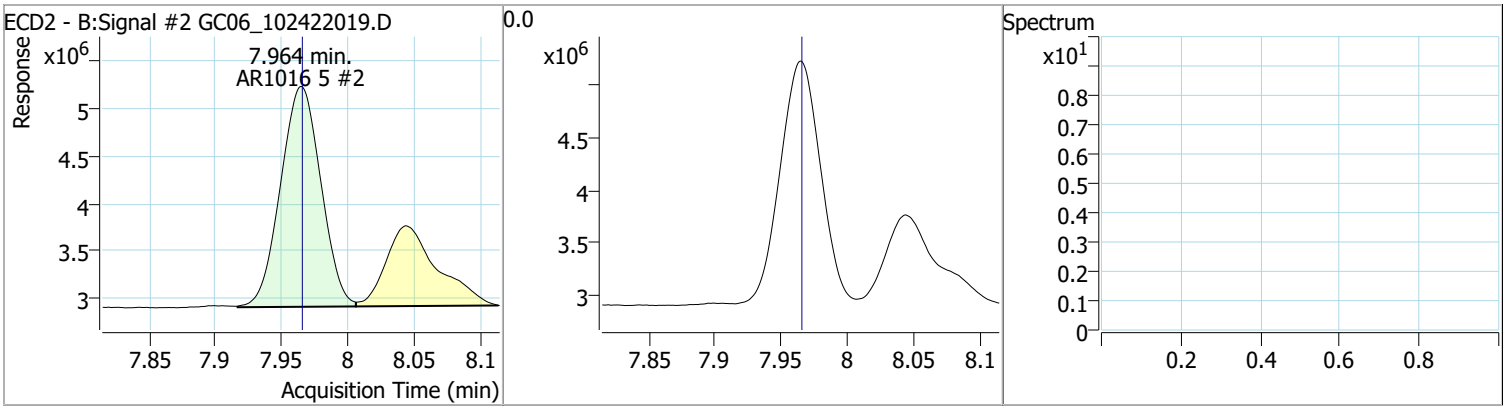
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	722.9904	7.03	0.00	8226702				



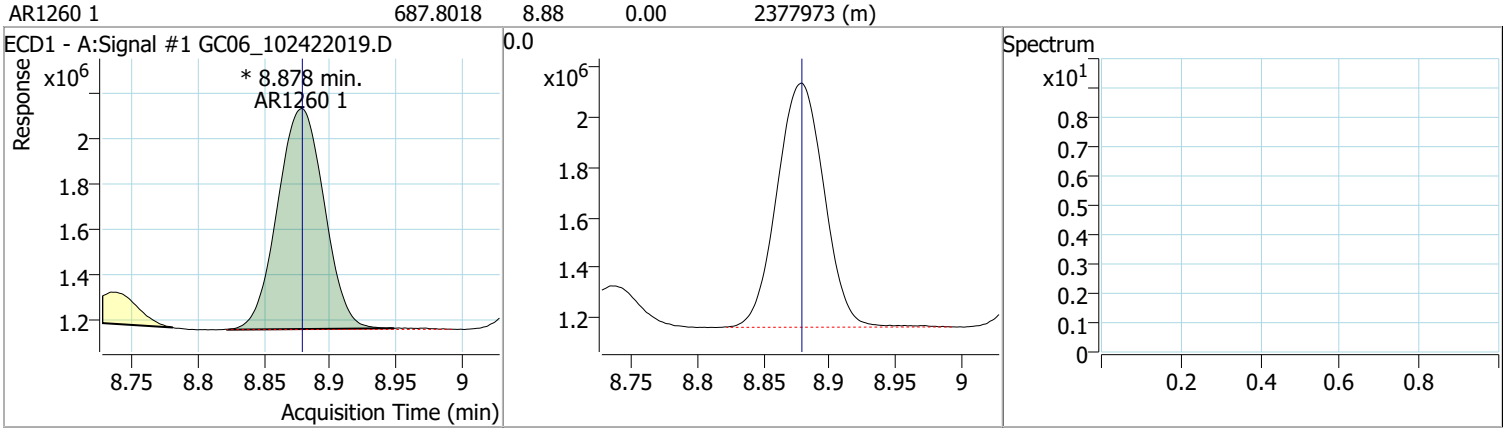
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	738.3839	7.22	0.00	5998164				



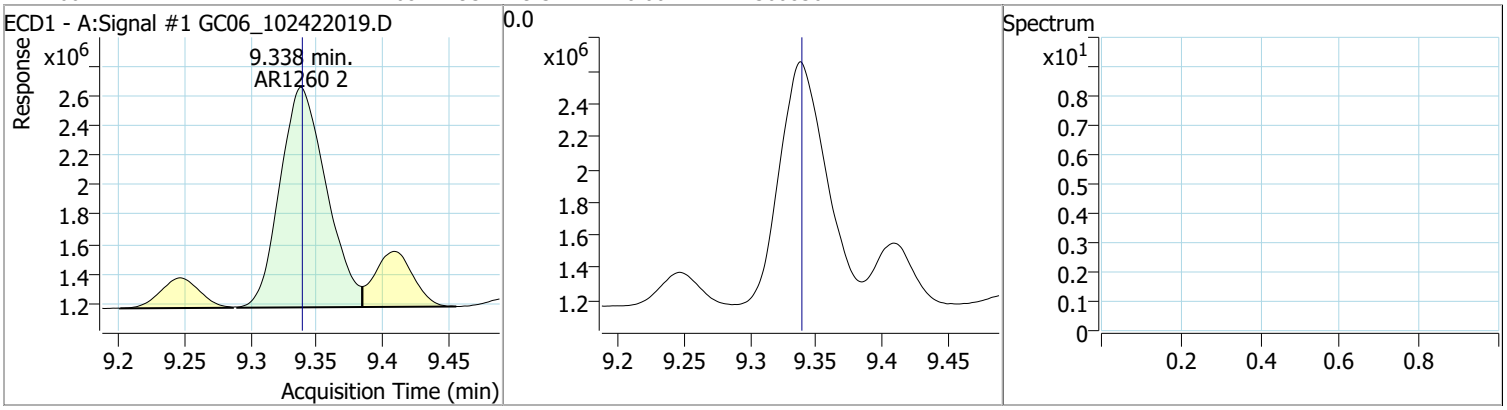
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	743.3626	7.96	0.00	4908449				



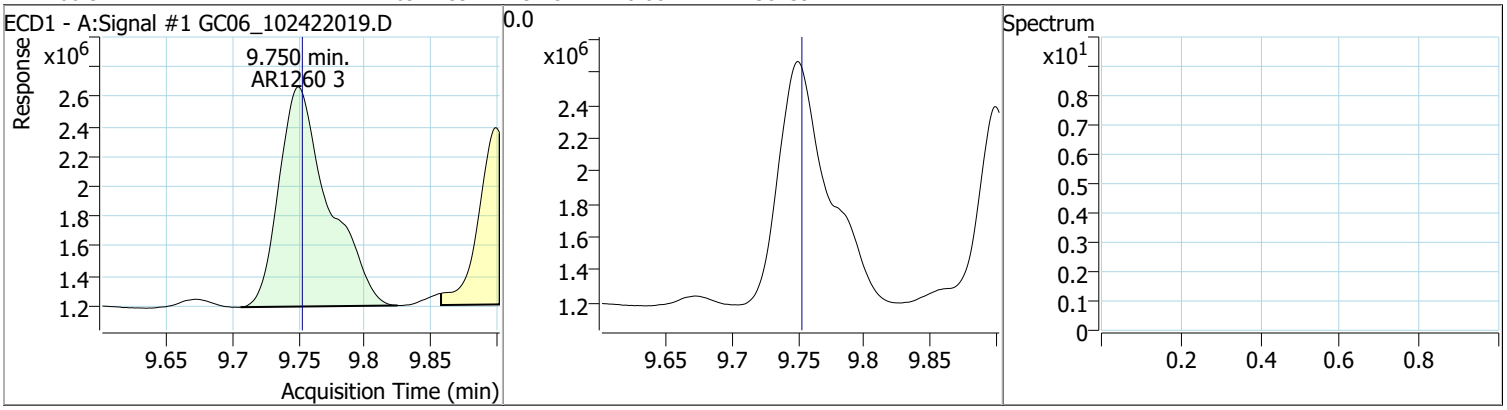
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	687.8018	8.88	0.00	2377973 (m)				



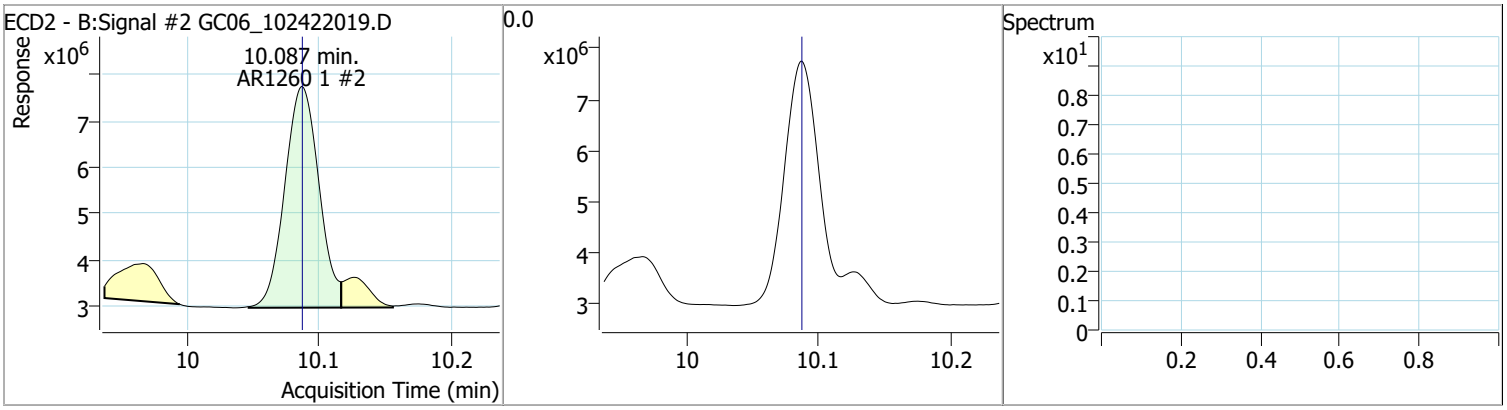
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	684.7493	9.34	0.00	3608367				



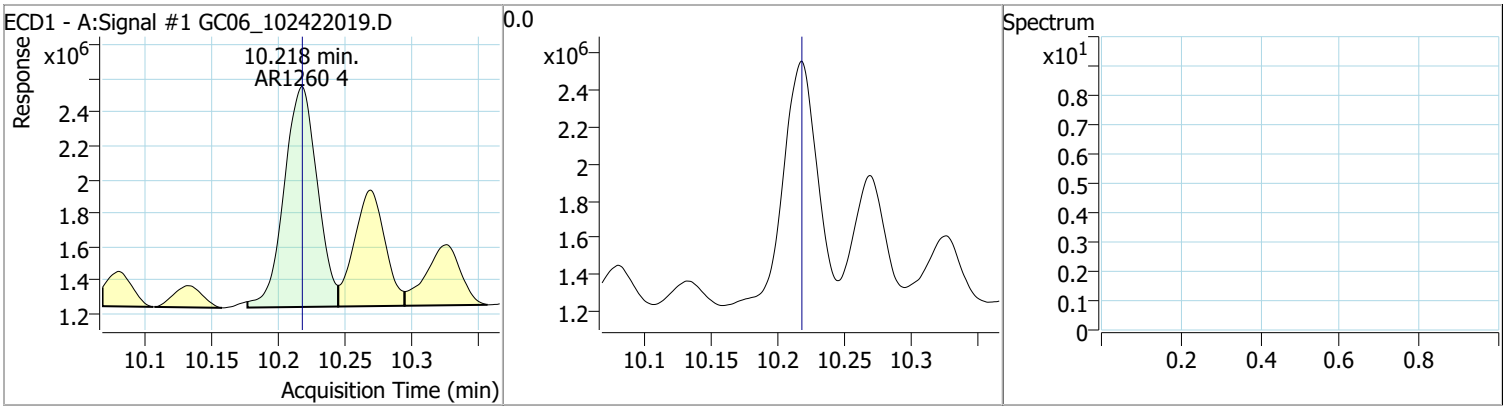
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	694.2591	9.75	0.00	3823911				



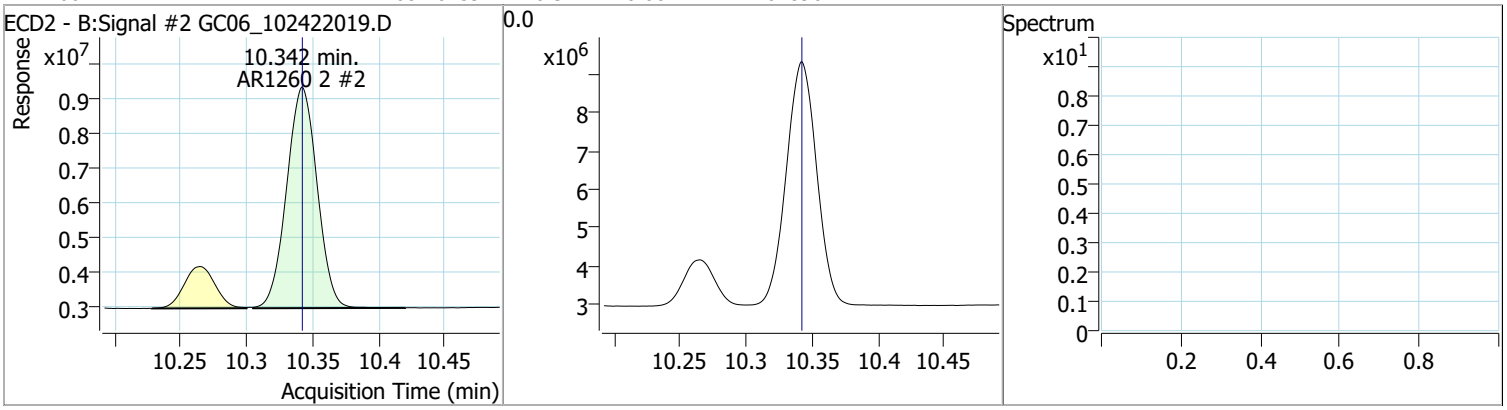
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.9161	10.09	0.00	8619738				



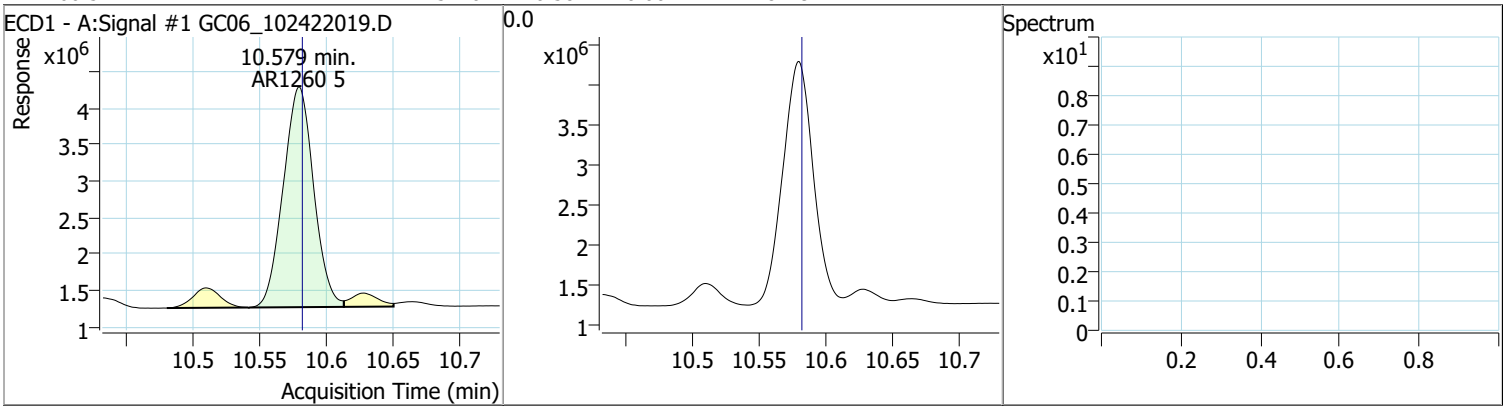
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	772.3166	10.22	0.00	2291687				



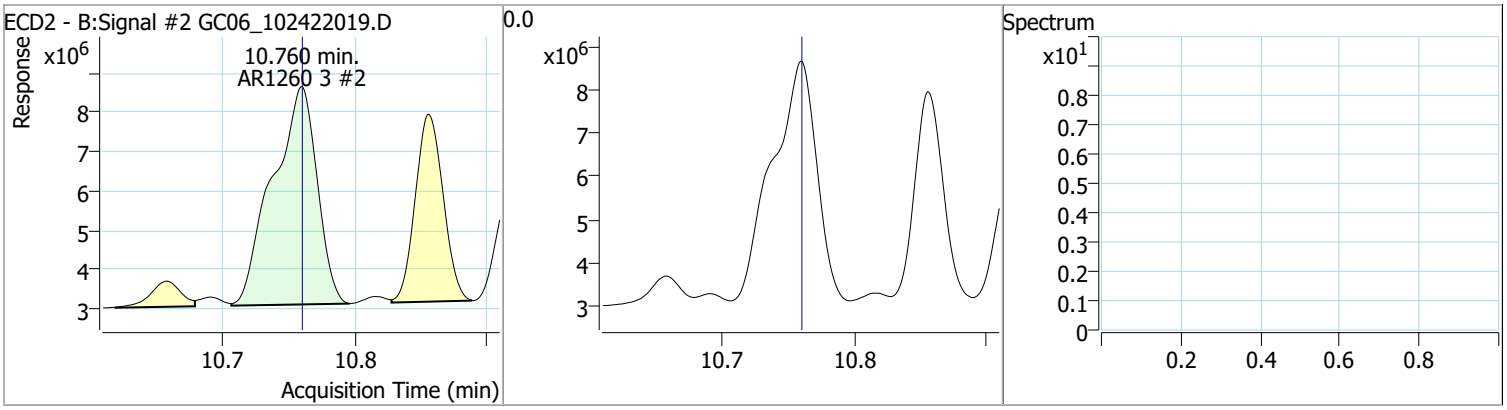
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	682.6759	10.34	0.00	10189047				



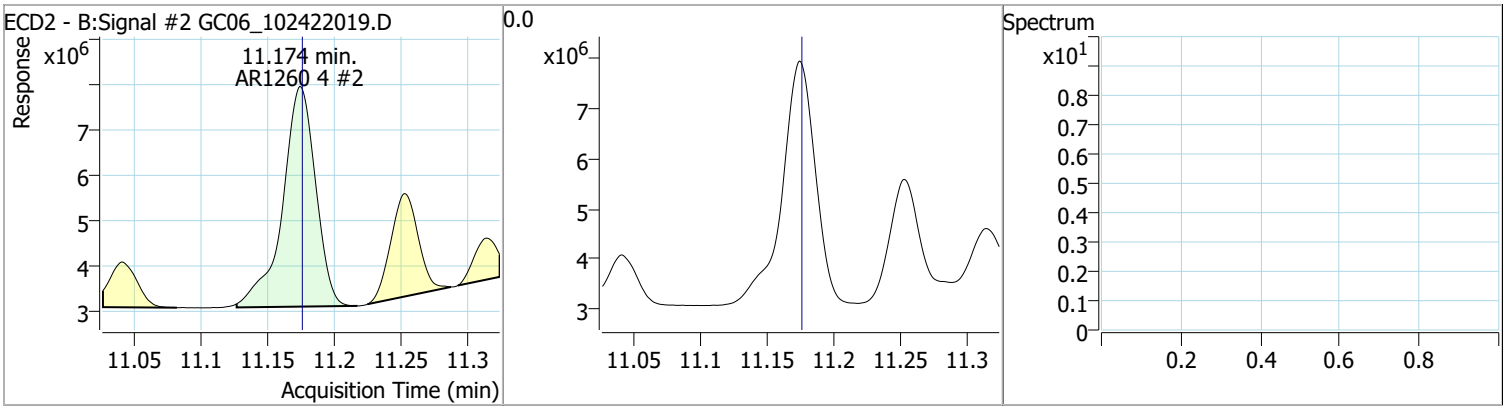
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	771.5470	10.58	0.00	4841911				



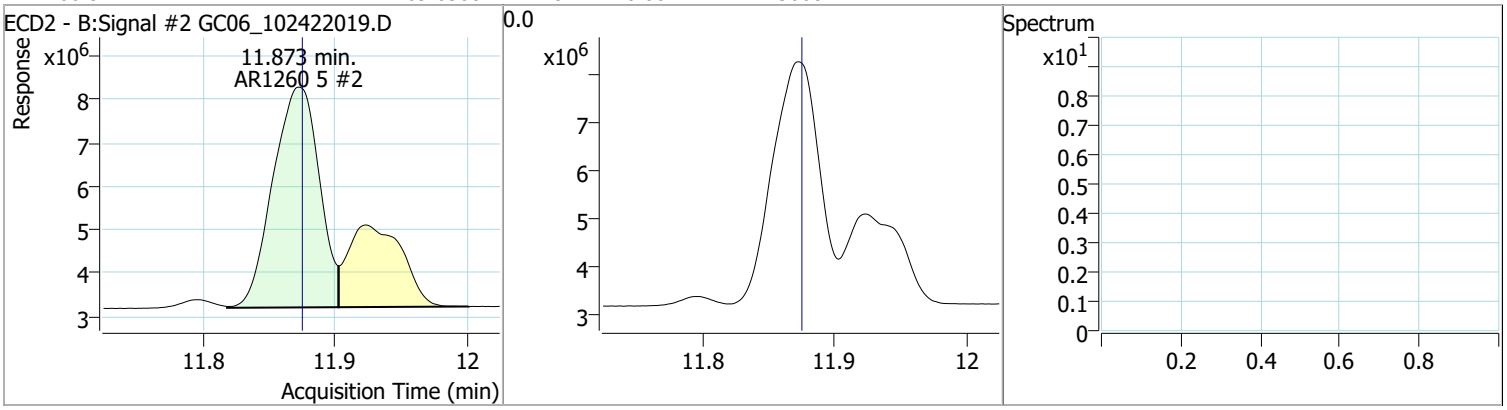
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	684.6327	10.76	0.00	12934062				



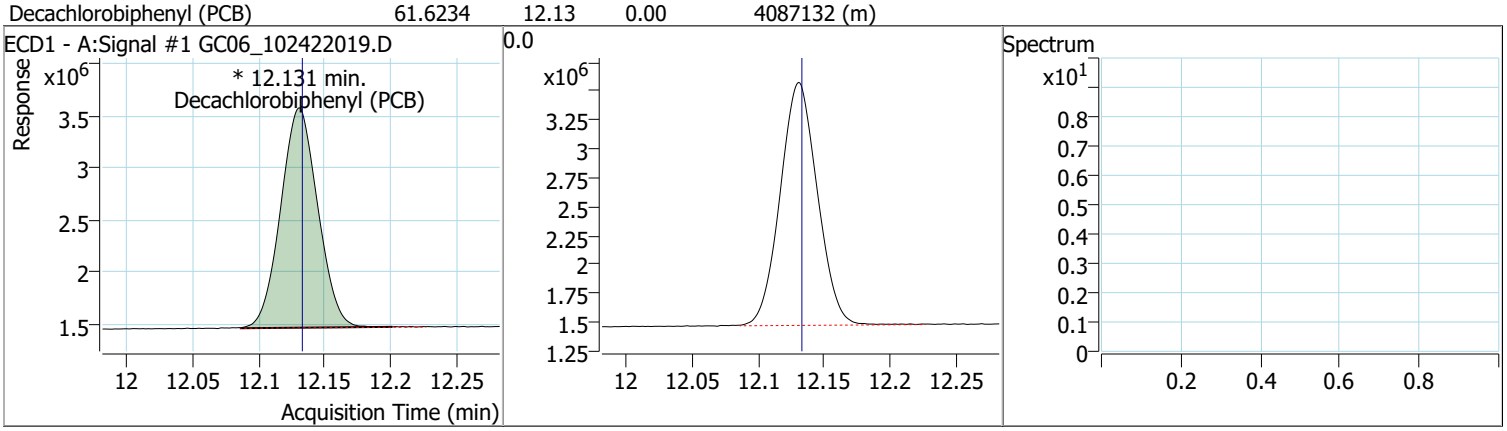
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	789.9076	11.17	0.00	8435664				



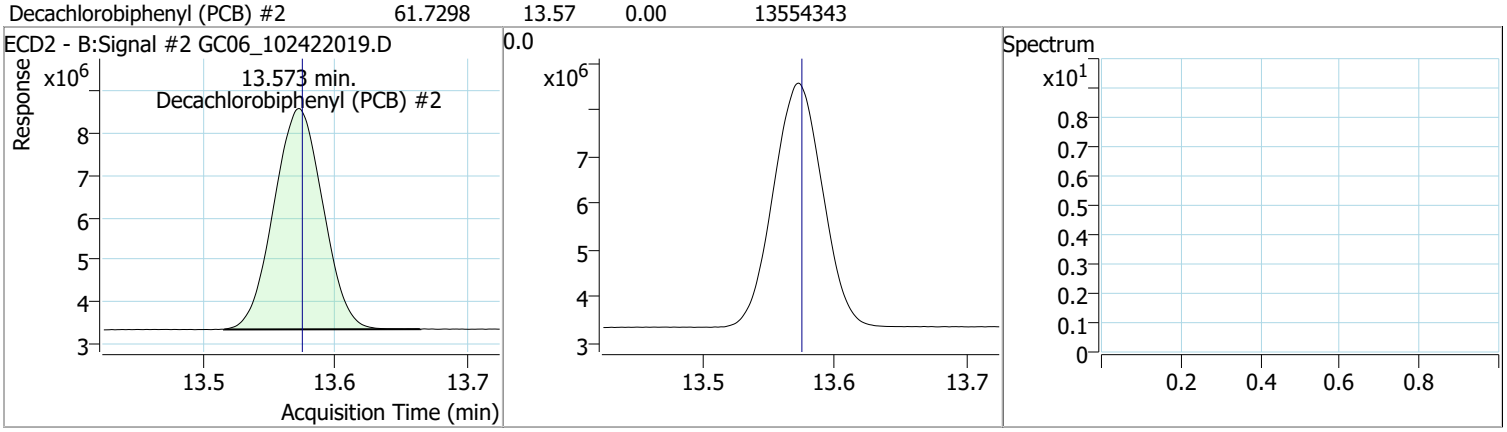
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	769.0388	11.87	0.00	12366844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6234	12.13	0.00	4087132 (m)				

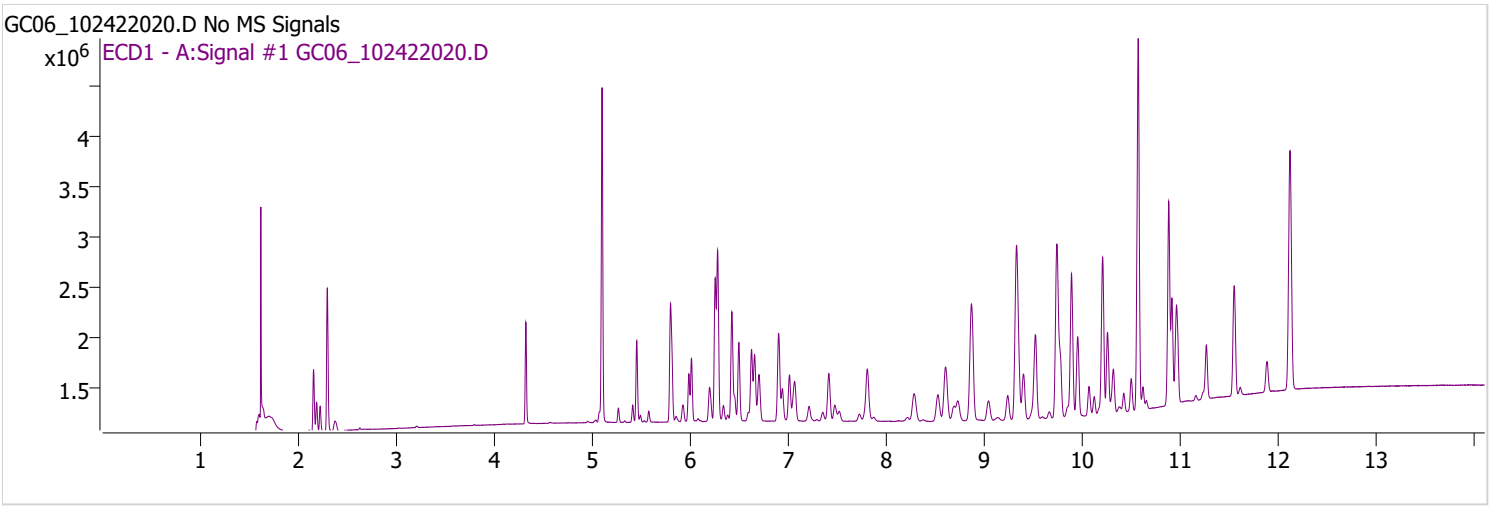


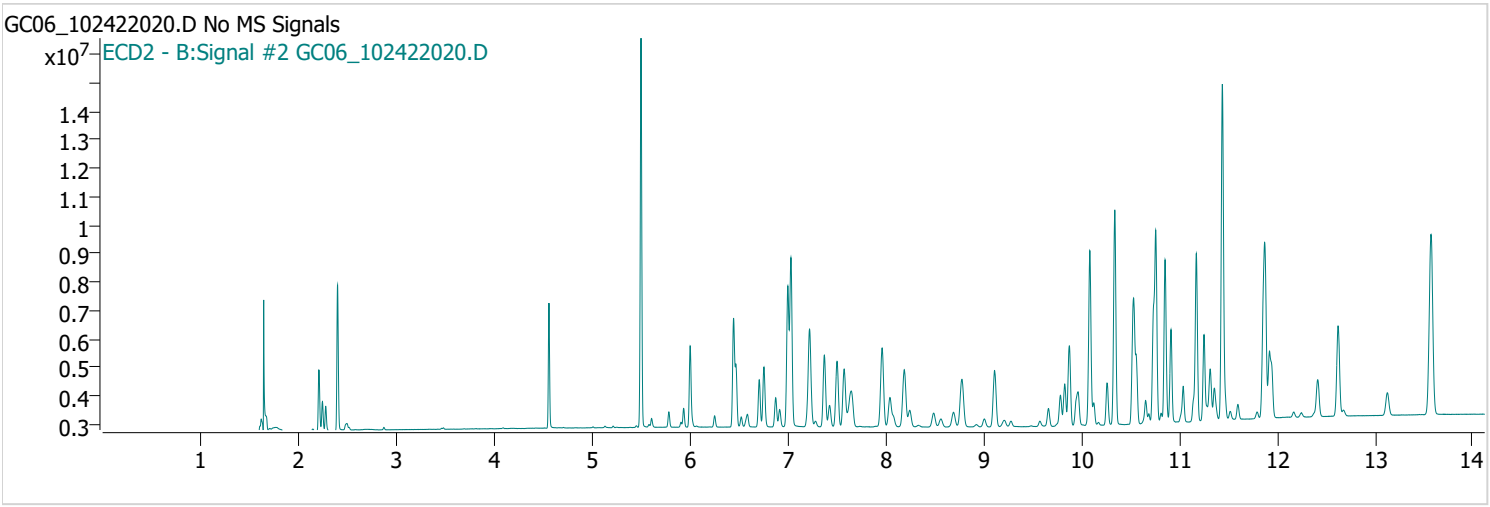
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	61.7298	13.57	0.00	13554343				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:13:45 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



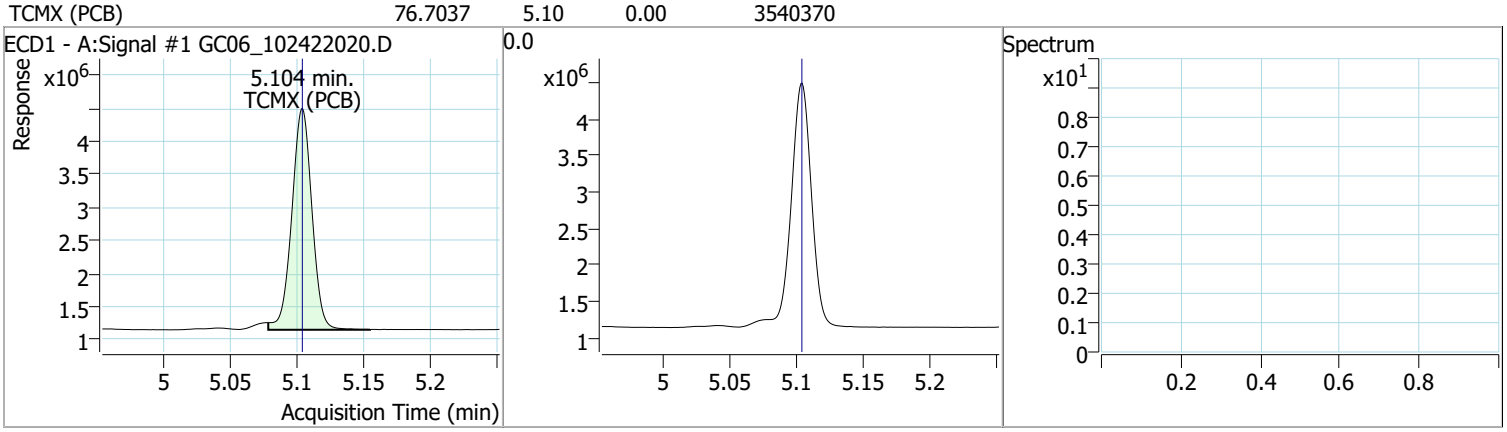


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	960028.285	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3904924.024	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	3540369.739	76.7037	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 383.52%		*	
S TCMX (PCB) #2	5.502	0.0	14570076.912	77.6938	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 388.47%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	4873910.282	79.4415	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.21%		*	
S Decachlorobiphenyl (PCB) #2	13.574	0.0	16104085.280	78.9669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 394.83%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	943433.395	937.3214	ng/ml		100

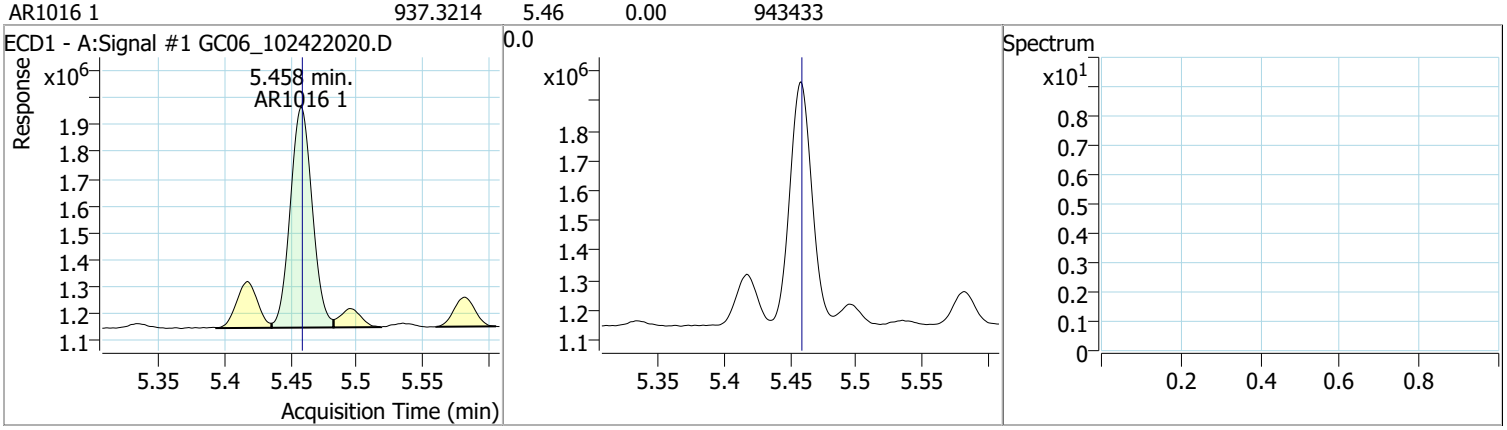
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	2010418.724	989.1606	ng/ml		100
T AR1016 1 #2	6.004	0.0	3878467.632	955.6472	ng/ml		100
T AR1016 3	6.284	0.0	2394397.764	938.2663	ng/ml		100
T AR1016 4	6.430	0.0	1827466.445	941.5536	ng/ml		100
T AR1016 2 #2	6.448	0.0	5500389.069	938.8589	ng/ml	m	100
T AR1016 5	6.908	0.0	1470872.987	940.8682	ng/ml		100
T AR1016 3 #2	7.034	0.0	9872562.438	927.4276	ng/ml		100
T AR1016 4 #2	7.224	0.0	7222770.660	950.4102	ng/ml		100
T AR1016 5 #2	7.966	0.0	5894671.400	954.2439	ng/ml		100
T AR1260 1	8.878	0.0	2877985.945	886.6594	ng/ml		100
T AR1260 2	9.338	0.0	4300287.117	869.2209	ng/ml		100
T AR1260 3	9.751	0.0	4585617.535	886.7956	ng/ml		100
T AR1260 1 #2	10.088	0.0	10289089.324	885.3872	ng/ml		100
T AR1260 4	10.218	0.0	2742861.102	988.8343	ng/ml		100
T AR1260 2 #2	10.343	0.0	12199337.627	873.6965	ng/ml		100
T AR1260 5	10.582	0.0	5817456.745	992.4576	ng/ml		100
T AR1260 3 #2	10.761	0.0	15563112.957	880.5672	ng/ml		100
T AR1260 4 #2	11.176	0.0	9679021.093	974.1517	ng/ml		100
T AR1260 5 #2	11.874	0.0	14837736.104	991.5511	ng/ml		100

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

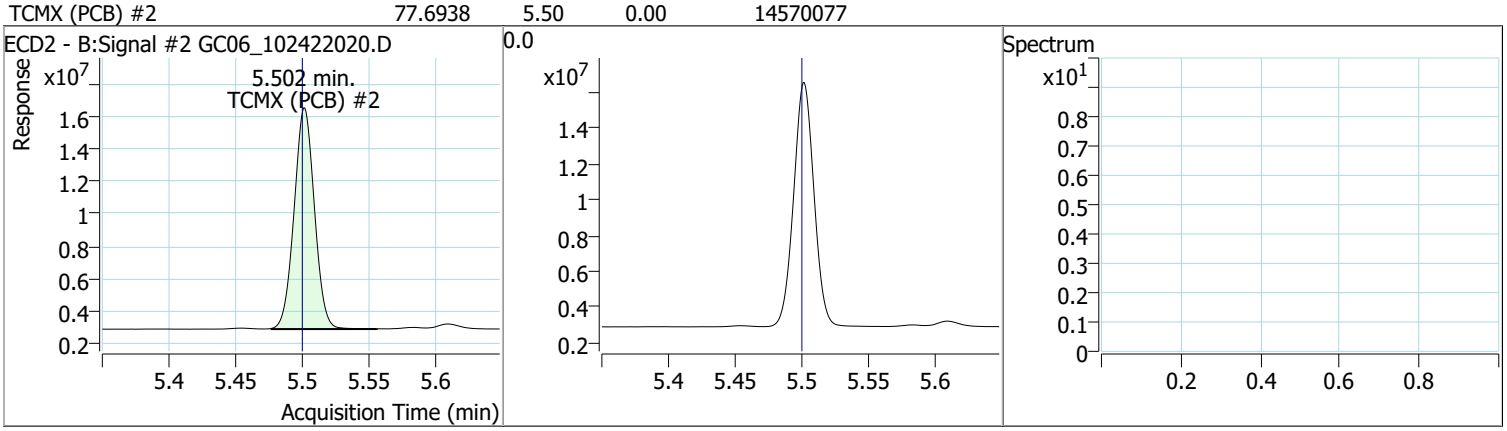
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.7037	5.10	0.00	3540370				



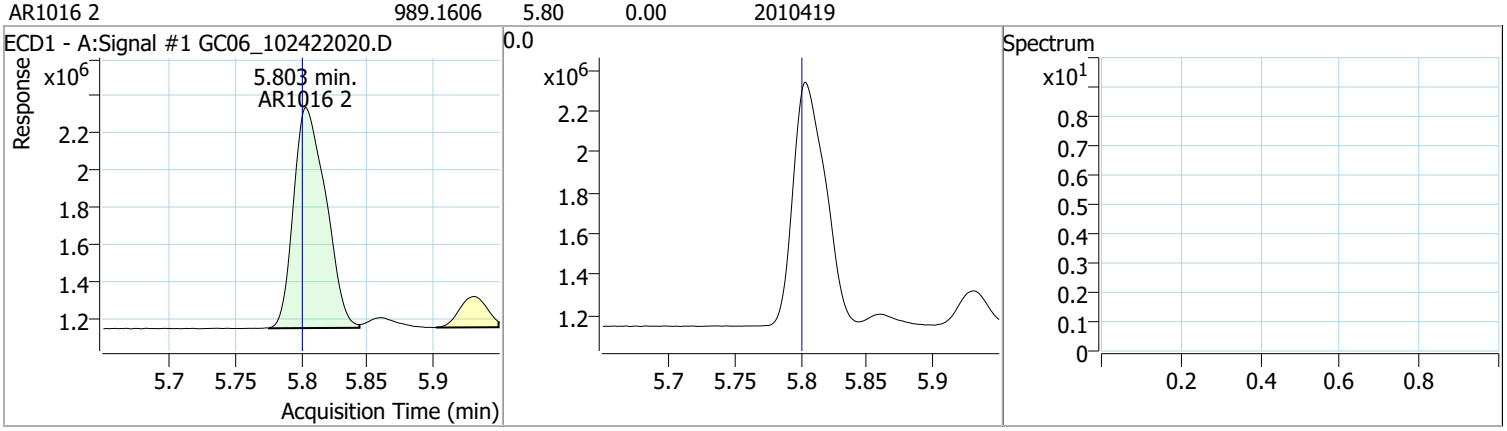
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	937.3214	5.46	0.00	943433				



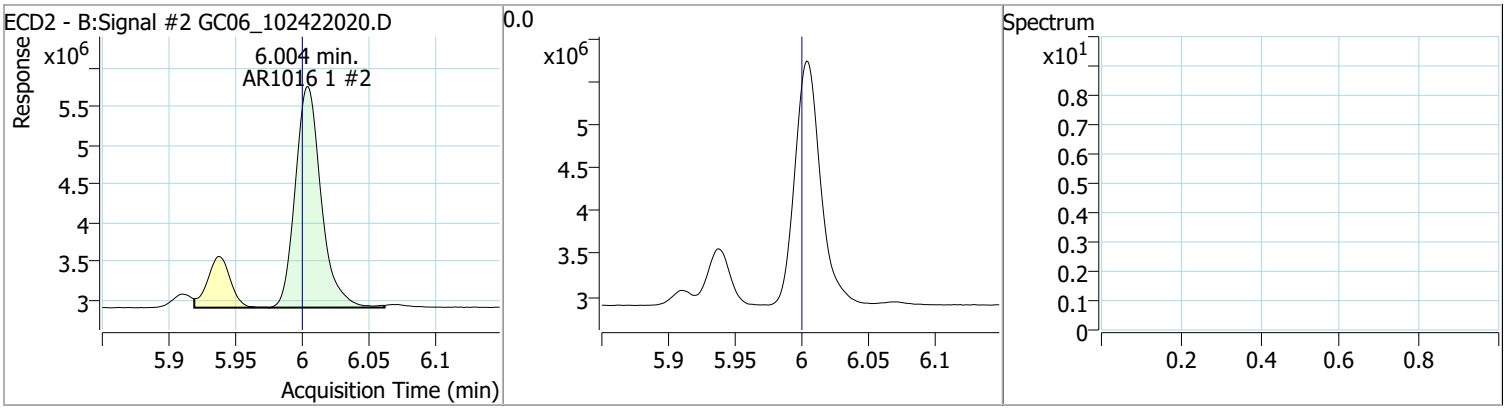
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	77.6938	5.50	0.00	14570077				



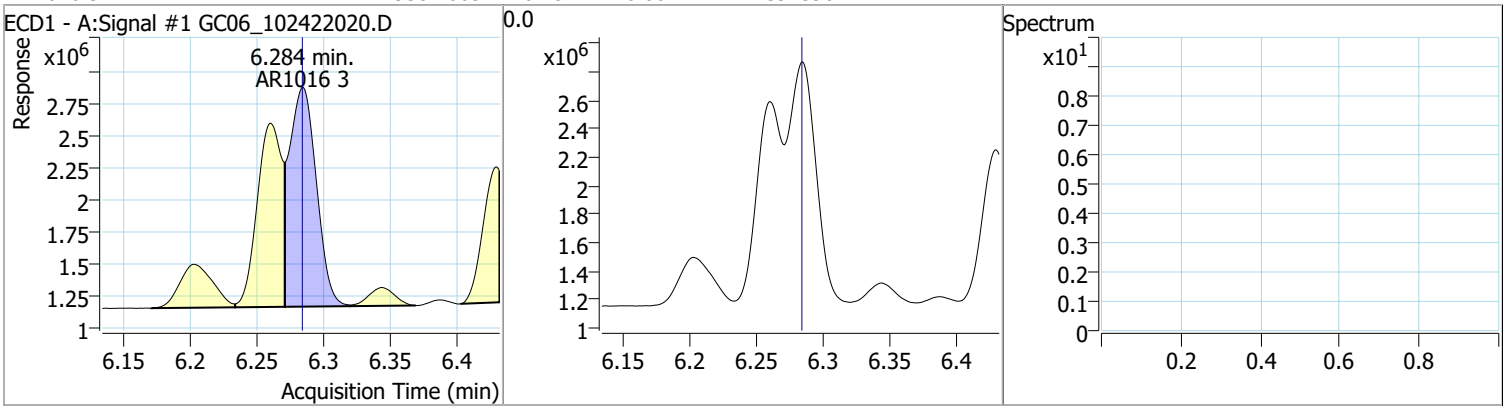
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	989.1606	5.80	0.00	2010419				



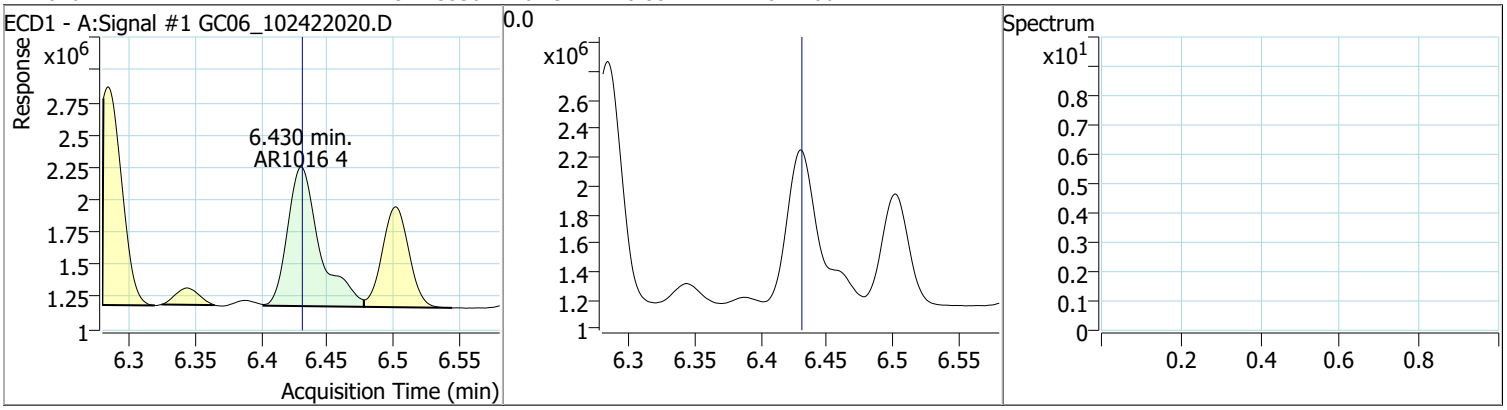
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	955.6472	6.00	0.00	3878468				



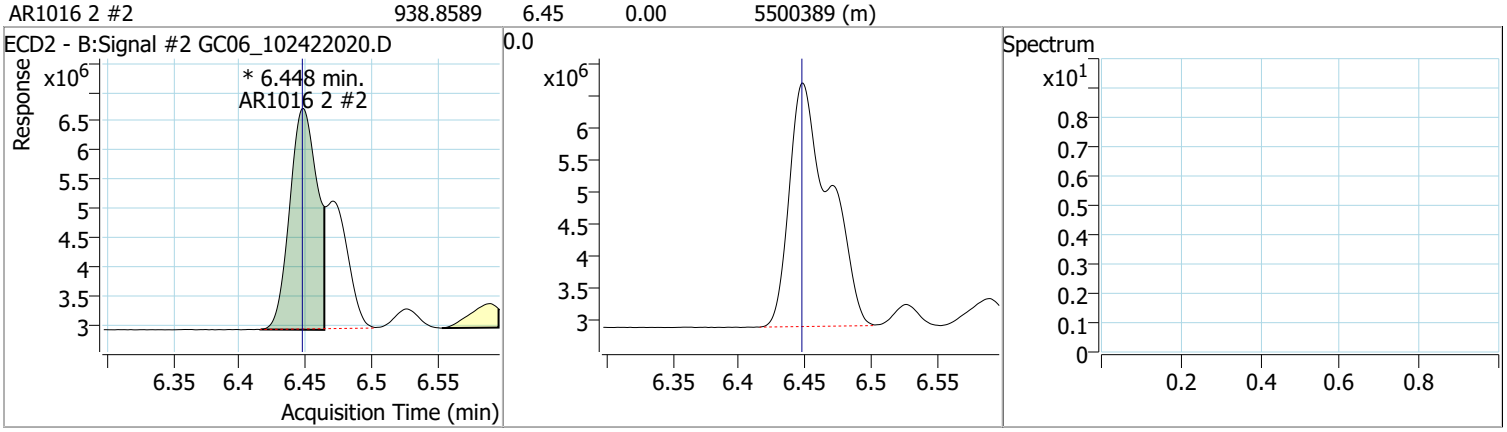
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	938.2663	6.28	0.00	2394398				



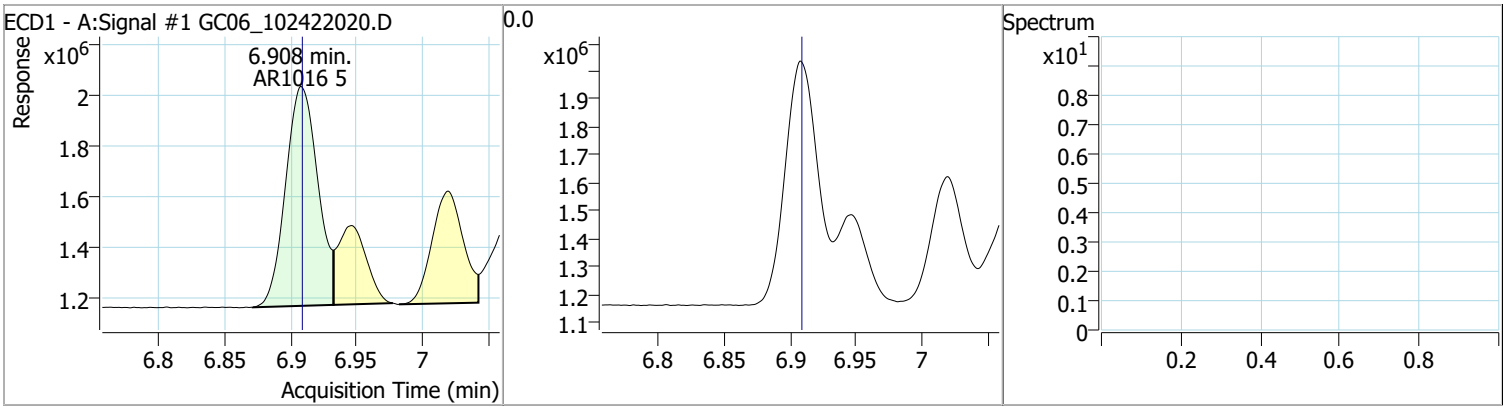
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	941.5536	6.43	0.00	1827466				



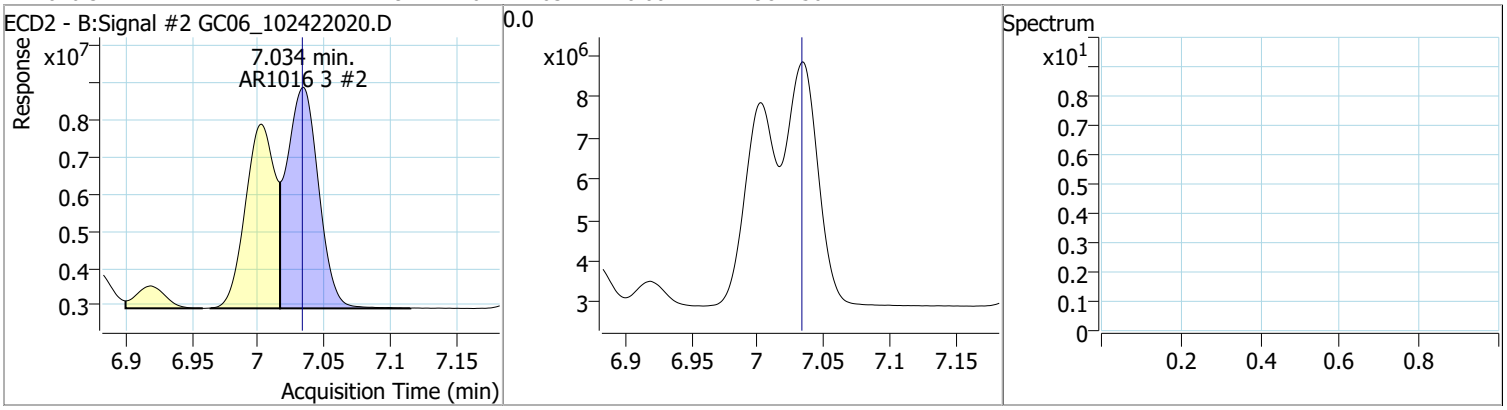
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	938.8589	6.45	0.00	5500389 (m)				



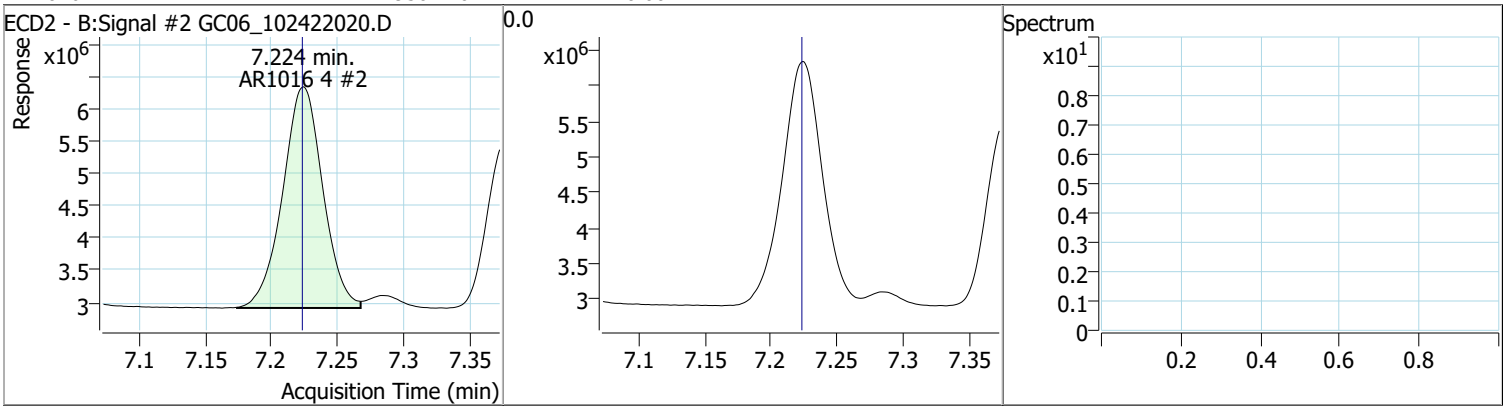
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	940.8682	6.91	0.00	1470873				



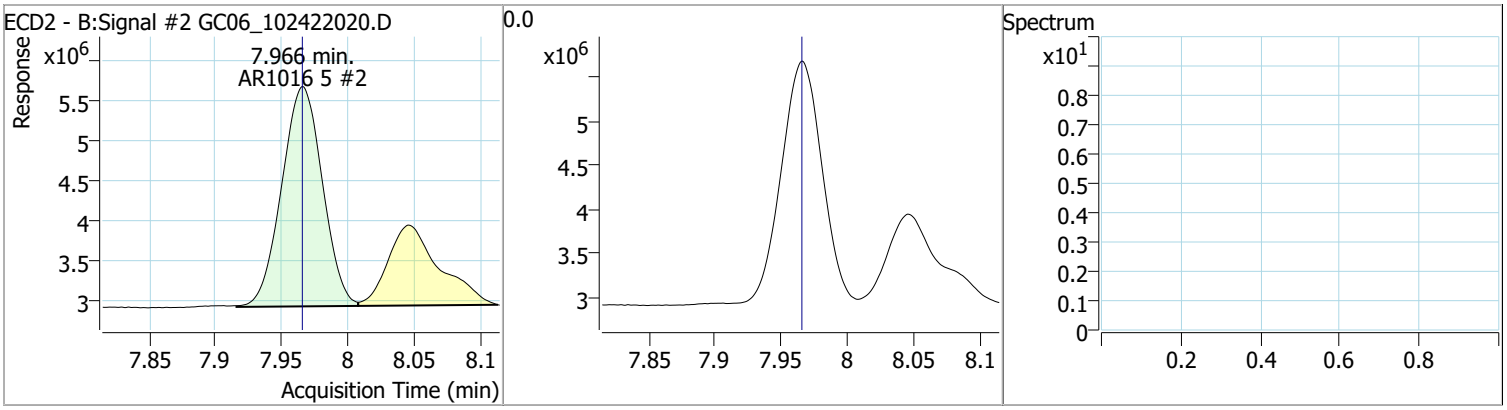
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	927.4276	7.03	0.00	9872562				



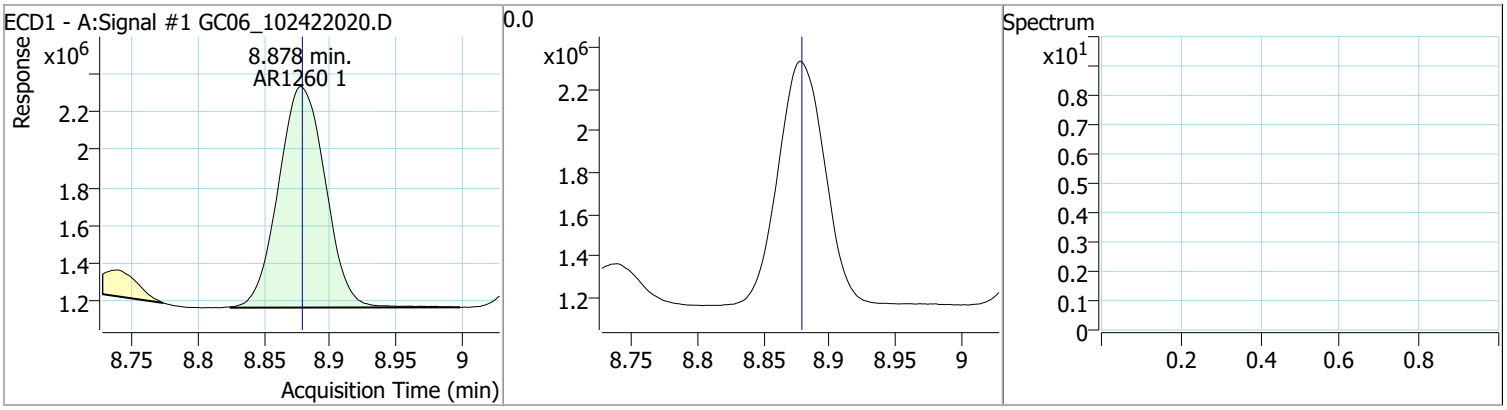
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AR1016 4 #2	950.4102	7.22	0.00	7222771				



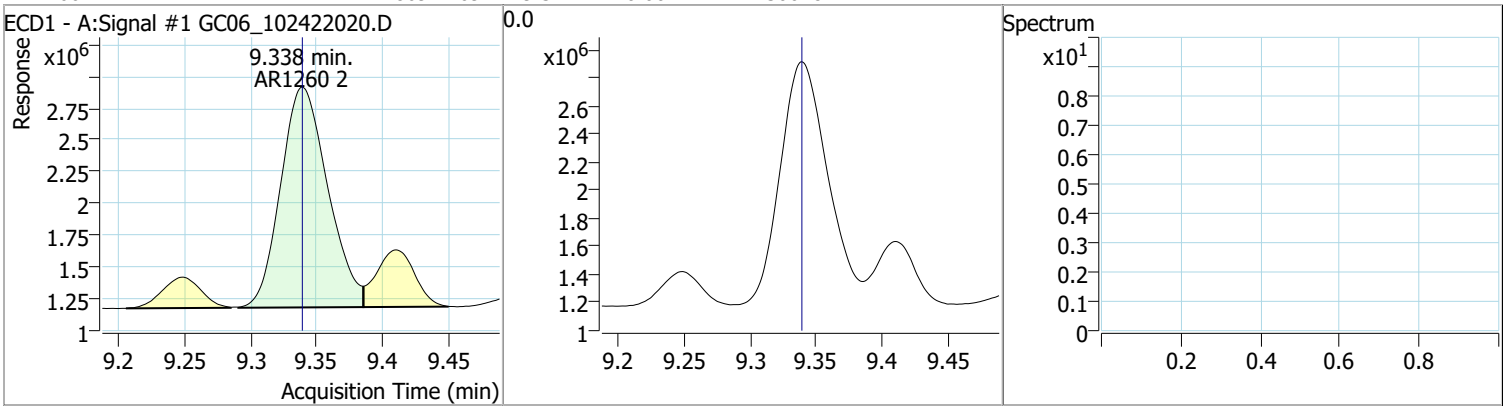
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AR1016 5 #2	954.2439	7.97	0.00	5894671				



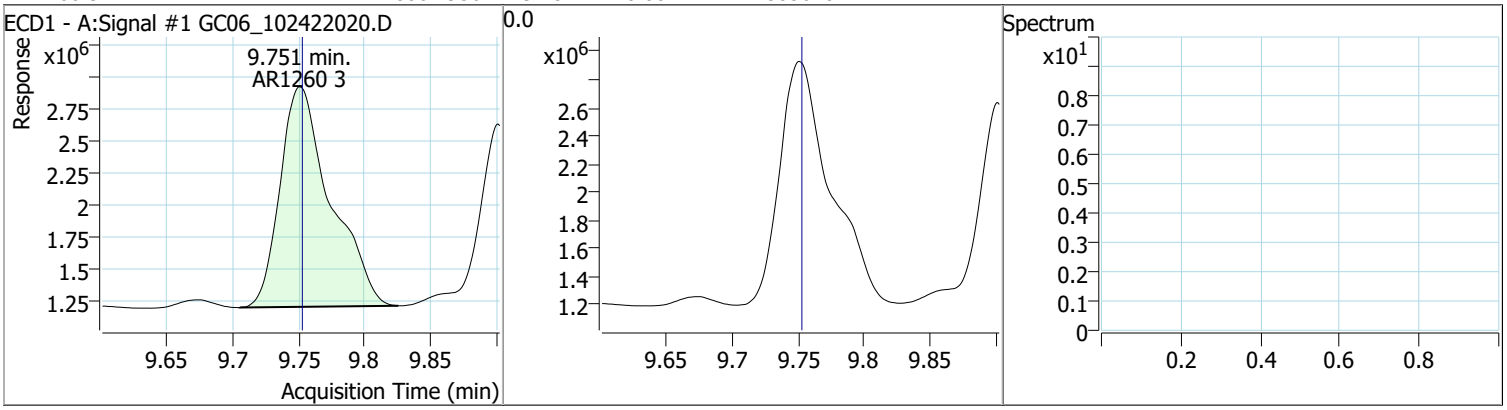
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6594	8.88	0.00	2877986				



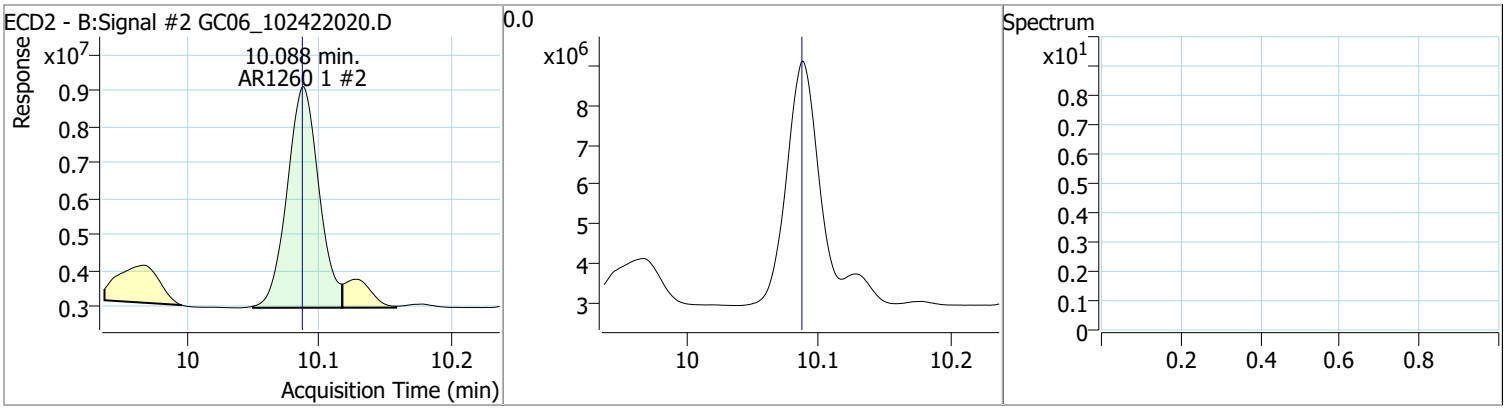
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	869.2209	9.34	0.00	4300287				



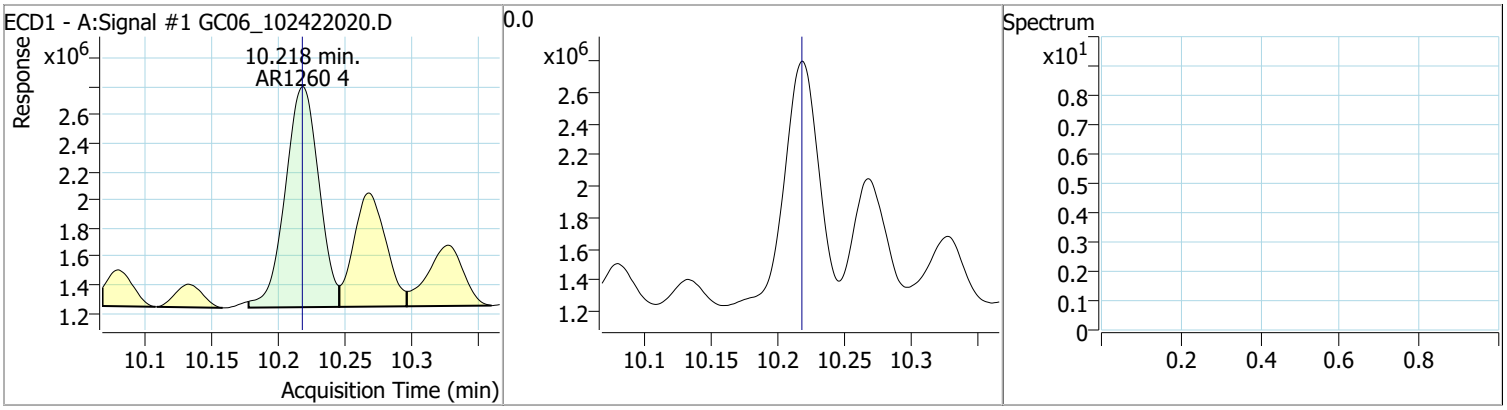
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	886.7956	9.75	0.00	4585618				



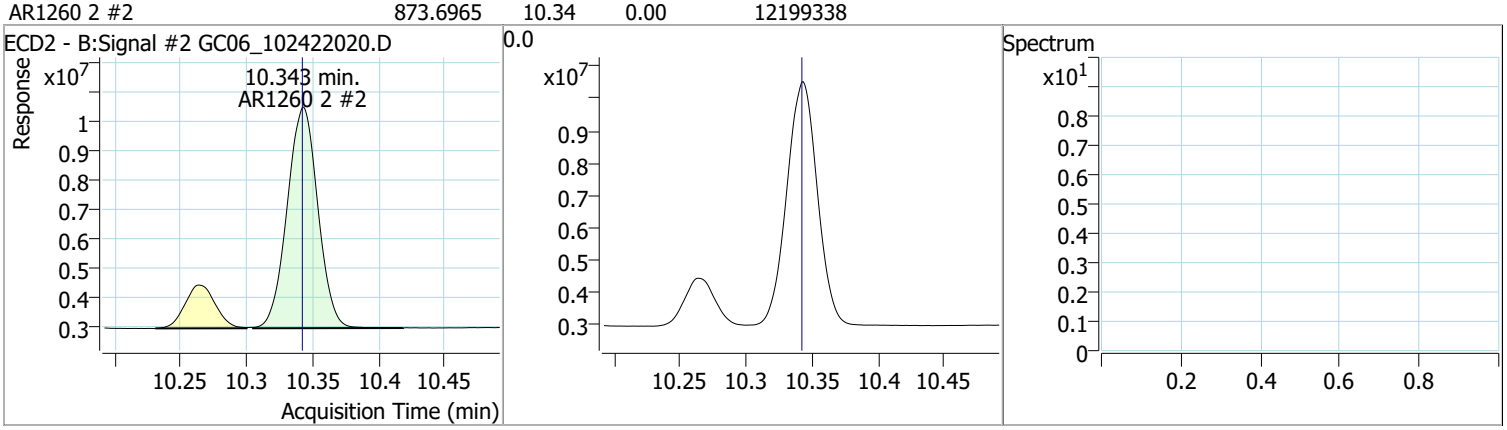
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AR1260 1 #2	885.3872	10.09	0.00	10289089				



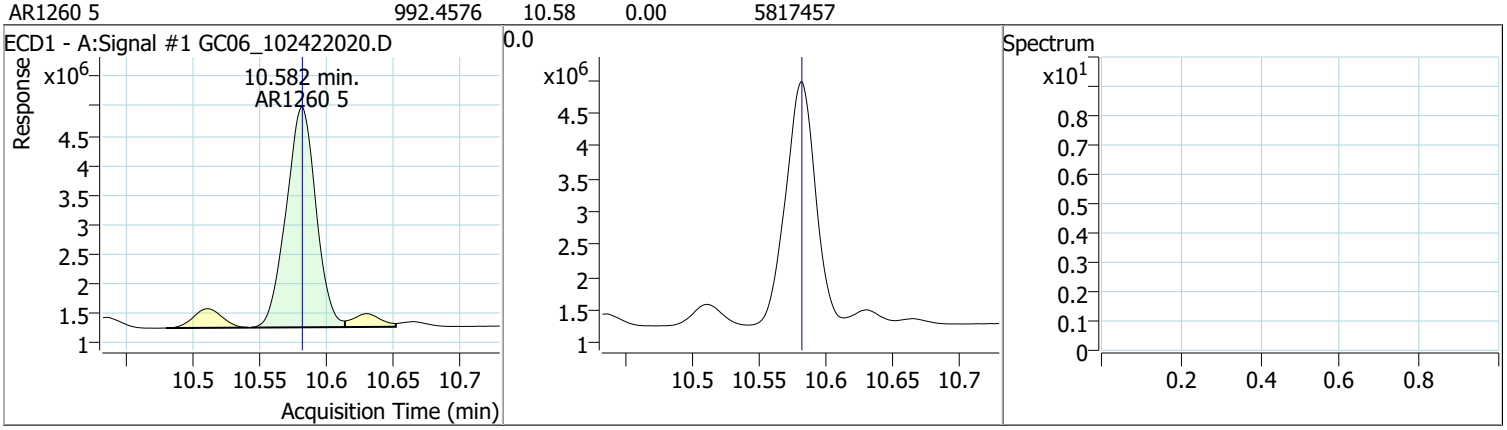
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	988.8343	10.22	0.00	2742861				



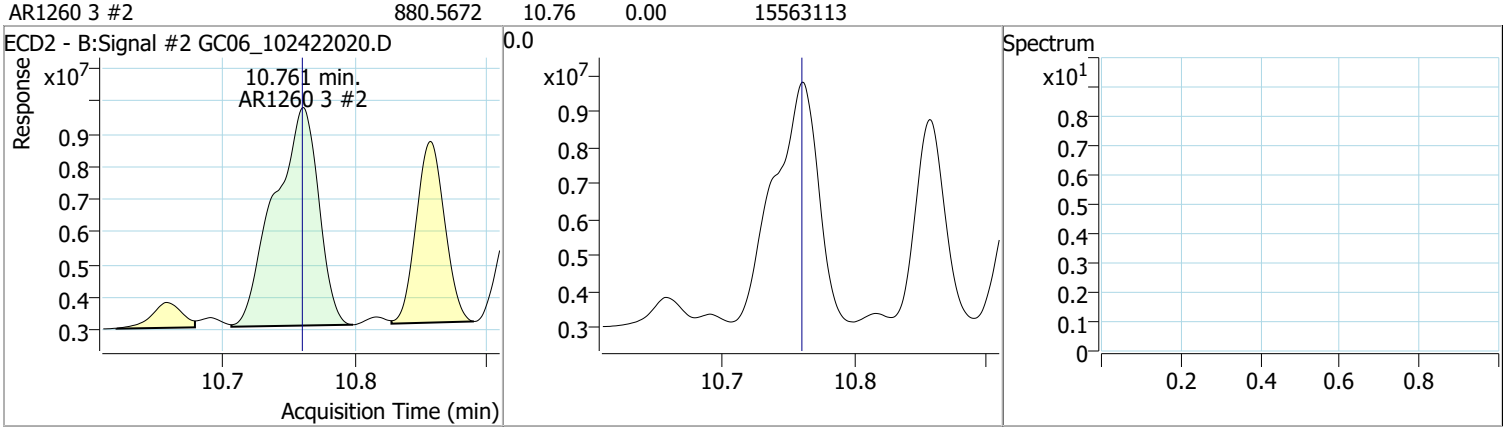
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	873.6965	10.34	0.00	12199338				



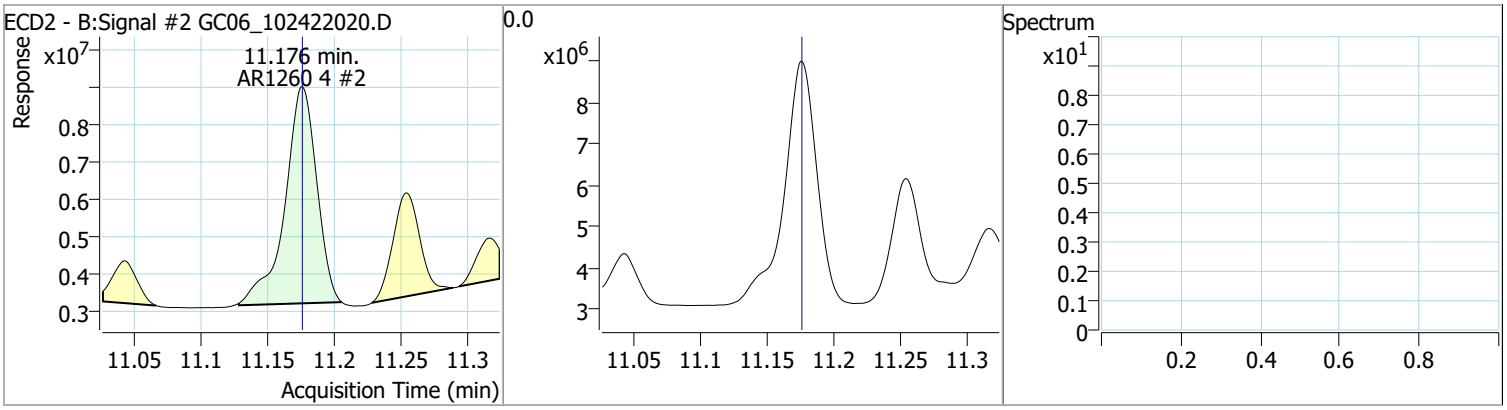
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	992.4576	10.58	0.00	5817457				



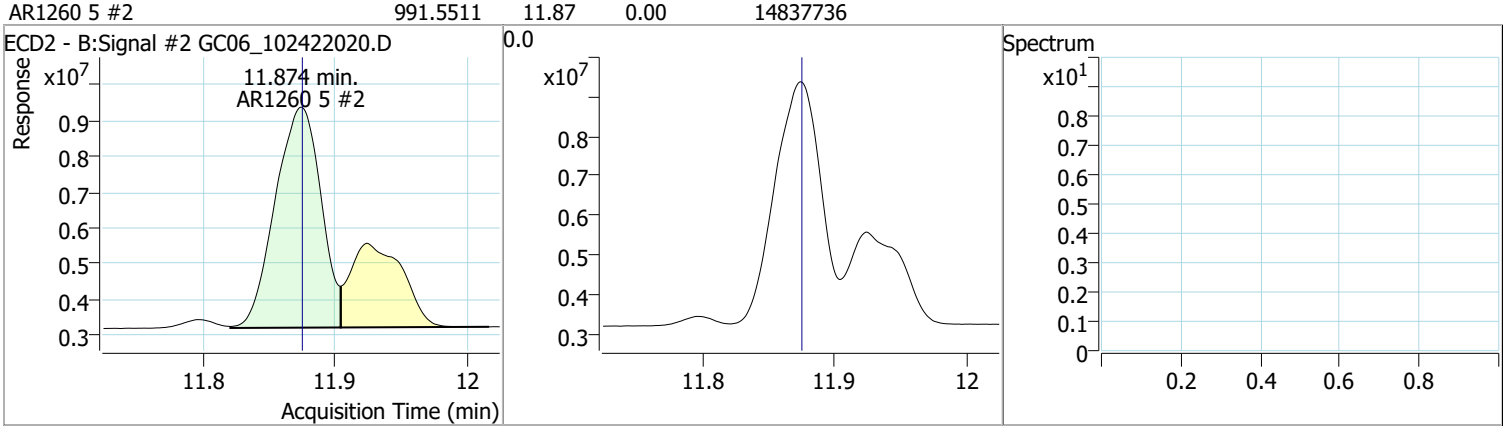
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	880.5672	10.76	0.00	15563113				



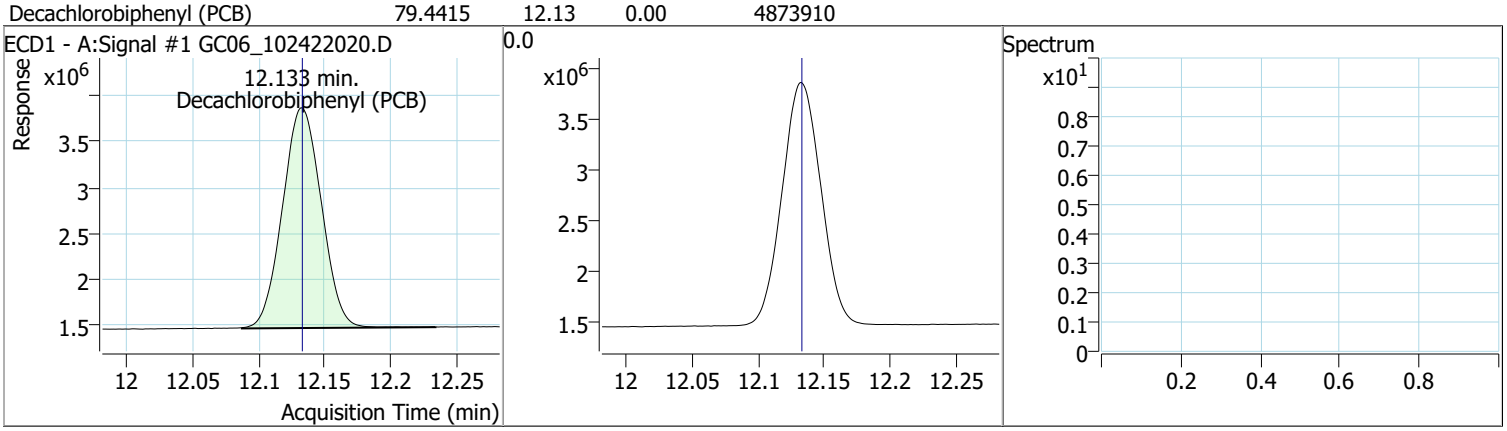
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	974.1517	11.18	0.00	9679021				



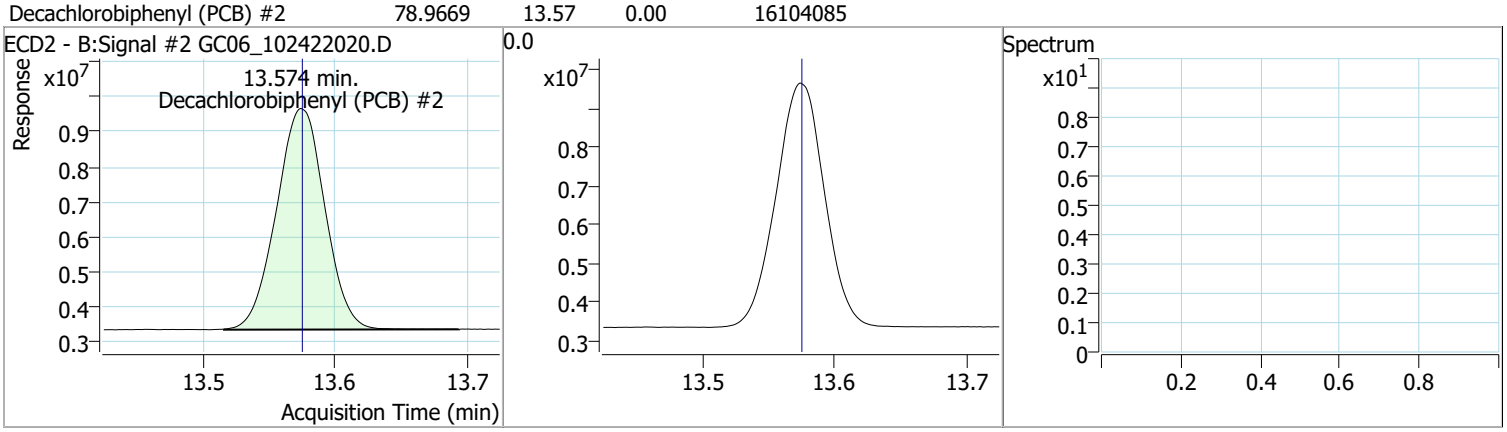
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	991.5511	11.87	0.00	14837736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	79.4415	12.13	0.00	4873910				

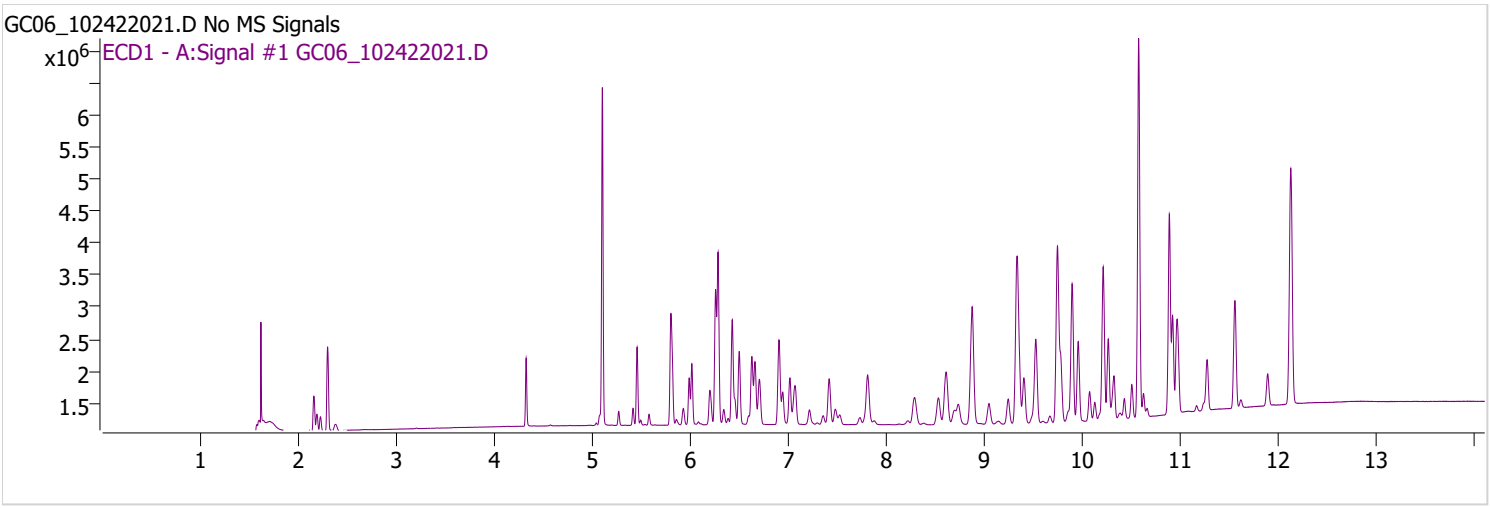


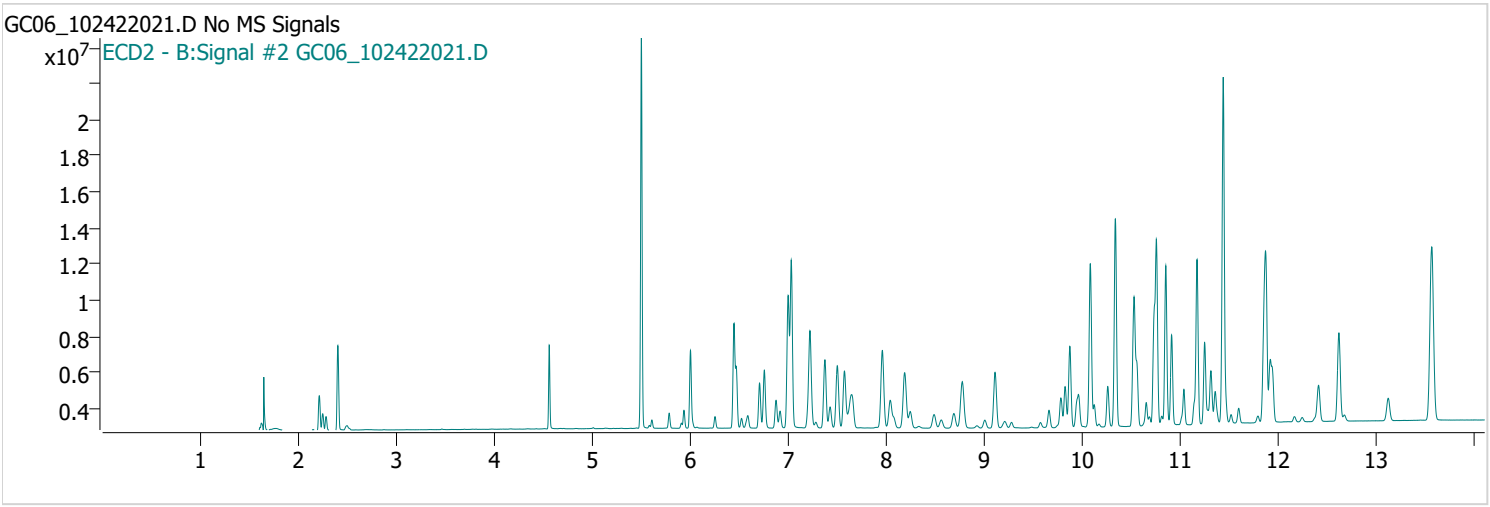
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	78.9669	13.57	0.00	16104085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:31:42 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



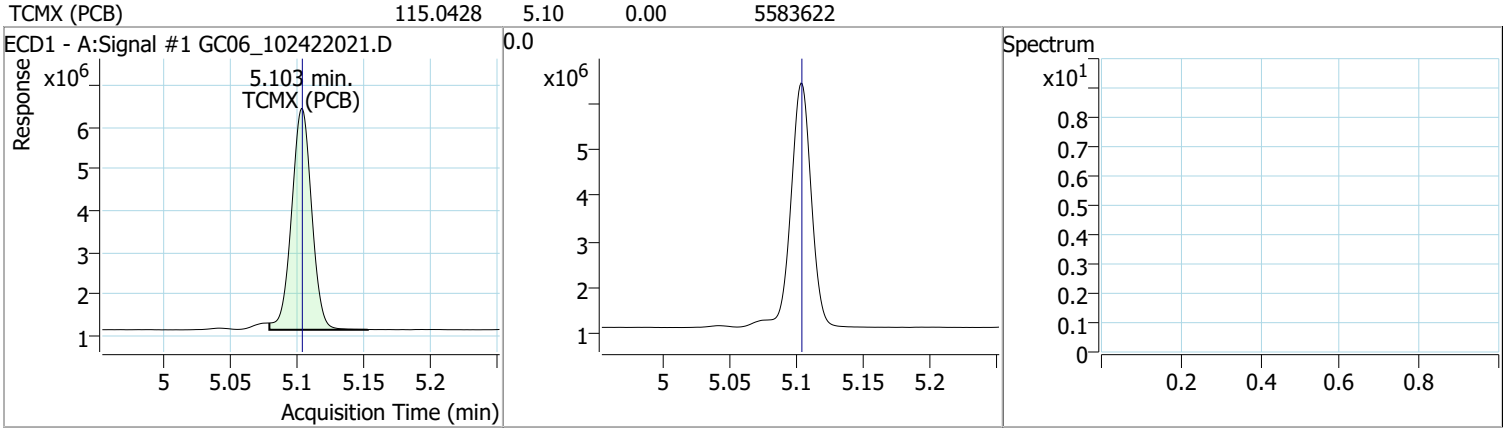


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1009505.147	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4057066.575	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	5583622.088	115.0428	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 575.21%		*	
S TCMX (PCB) #2	5.502	0.0	23031168.075	118.2063	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 591.03%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	7593776.012	119.7892	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.95%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	25131513.397	119.6729	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.36%		*	
Target Compounds							QValue

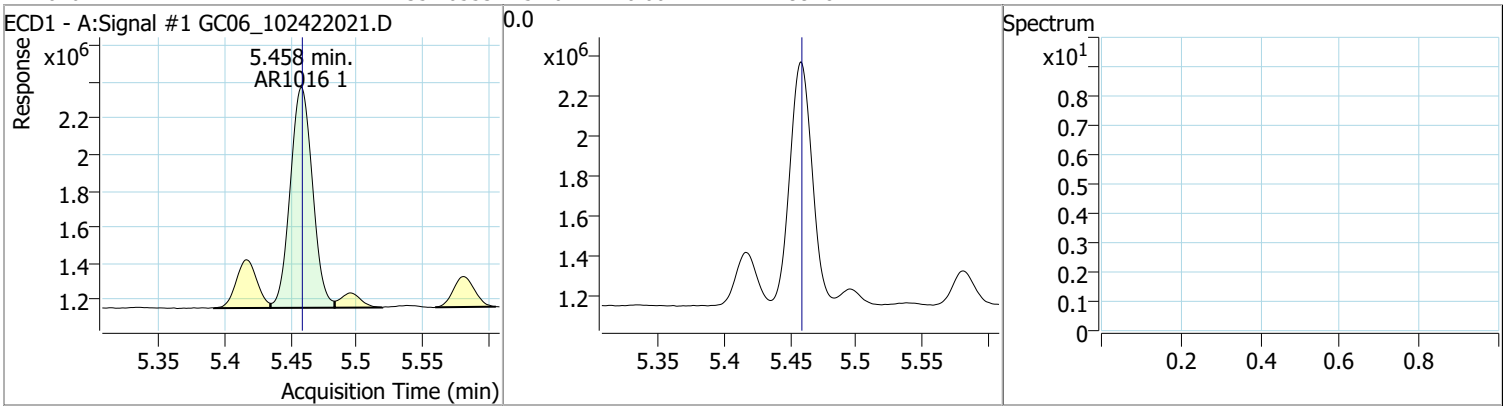
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	1429948.327	1351.0553	ng/ml		100
T AR1016 2	5.804	0.0	3030710.898	1424.7519	ng/ml		100
T AR1016 1 #2	6.003	0.0	5721647.171	1356.9347	ng/ml		100
T AR1016 3	6.285	0.0	3611169.947	1345.7155	ng/ml		100
T AR1016 4	6.430	0.0	2777407.544	1360.8515	ng/ml		100
T AR1016 2 #2	6.448	0.0	8221820.088	1350.7511	ng/ml	m	100
T AR1016 5	6.908	0.0	2242691.834	1364.2649	ng/ml		100
T AR1016 3 #2	7.033	0.0	15343105.691	1387.2792	ng/ml		100
T AR1016 4 #2	7.223	0.0	11004271.290	1393.6991	ng/ml		100
T AR1016 5 #2	7.963	0.0	9009188.371	1403.7375	ng/ml		100
T AR1260 1	8.880	0.0	4266432.480	1249.9957	ng/ml		100
T AR1260 2	9.339	0.0	6538469.983	1256.8526	ng/ml		100
T AR1260 3	9.751	0.0	7045185.682	1295.6677	ng/ml		100
T AR1260 1 #2	10.087	0.0	15645489.933	1295.8237	ng/ml		100
T AR1260 4	10.218	0.0	4208394.379	1449.9072	ng/ml		100
T AR1260 2 #2	10.343	0.0	18653948.726	1285.8656	ng/ml		100
T AR1260 5	10.580	0.0	9185947.111	1499.3950	ng/ml		100
T AR1260 3 #2	10.761	0.0	24133856.541	1314.2961	ng/ml		100
T AR1260 4 #2	11.177	0.0	14547609.435	1419.8121	ng/ml		100
T AR1260 5 #2	11.876	0.0	23188941.135	1500.9271	ng/ml		100

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

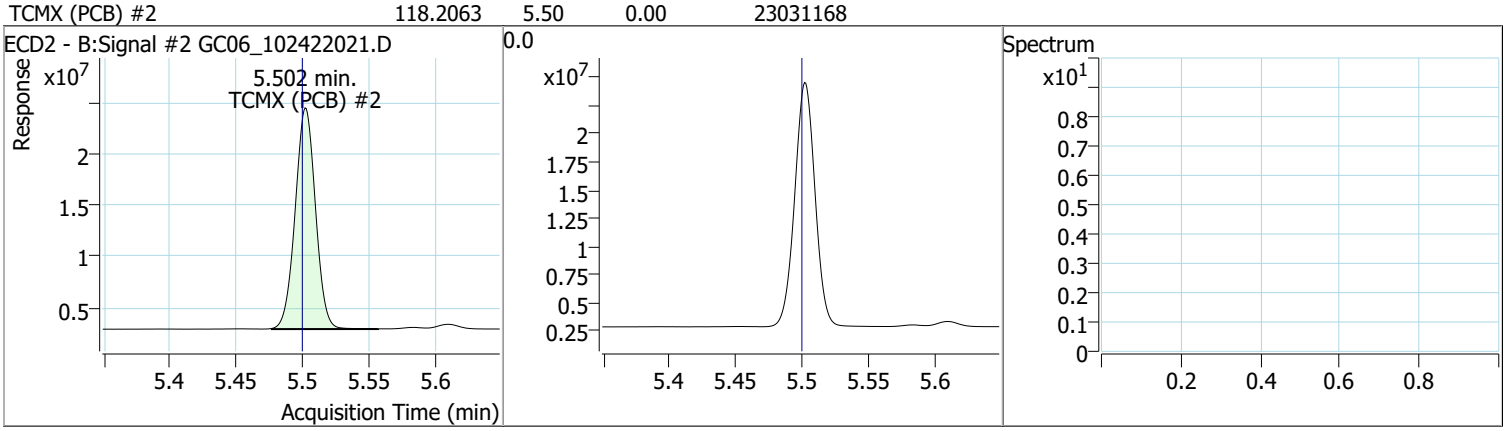
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	115.0428	5.10	0.00	5583622				



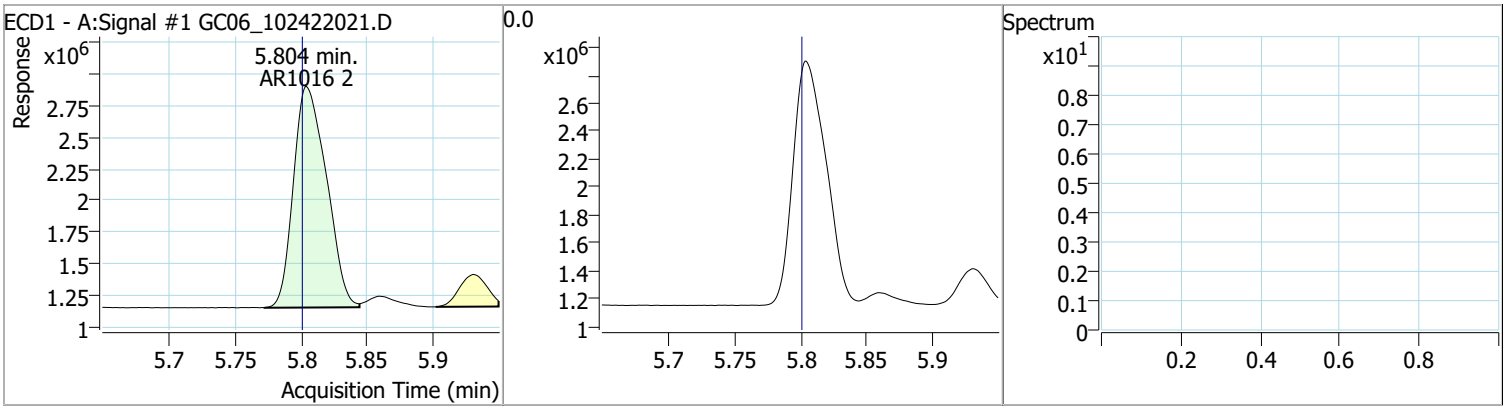
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1351.0553	5.46	0.00	1429948				



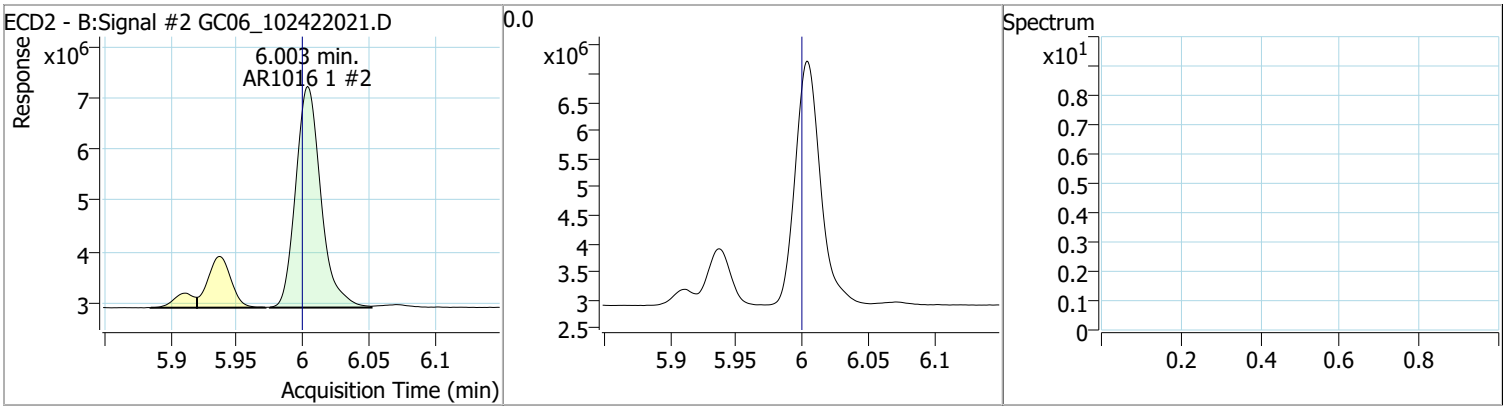
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	118.2063	5.50	0.00	23031168				



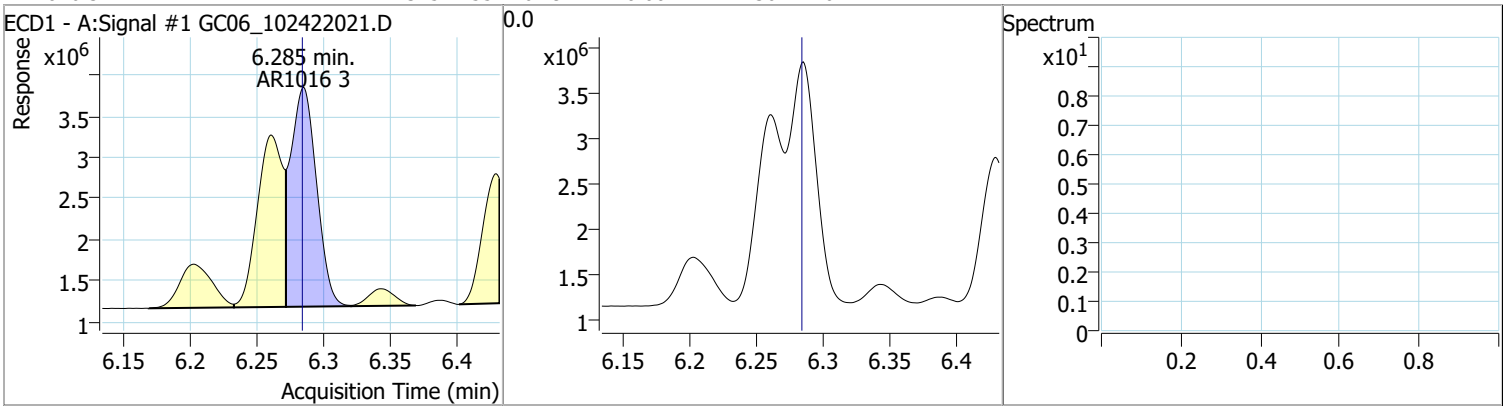
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1424.7519	5.80	0.00	3030711				



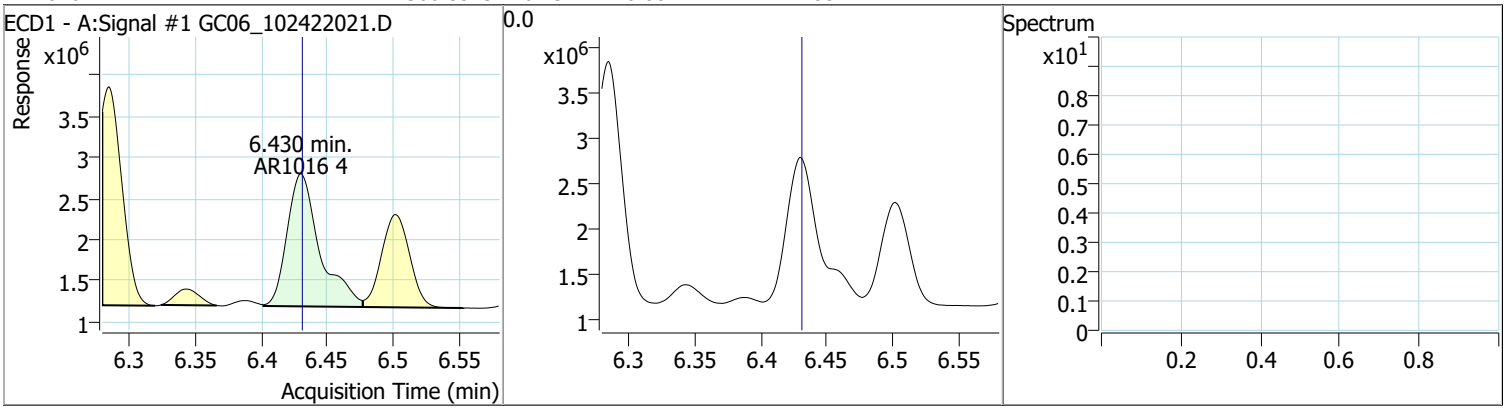
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1356.9347	6.00	0.00	5721647				



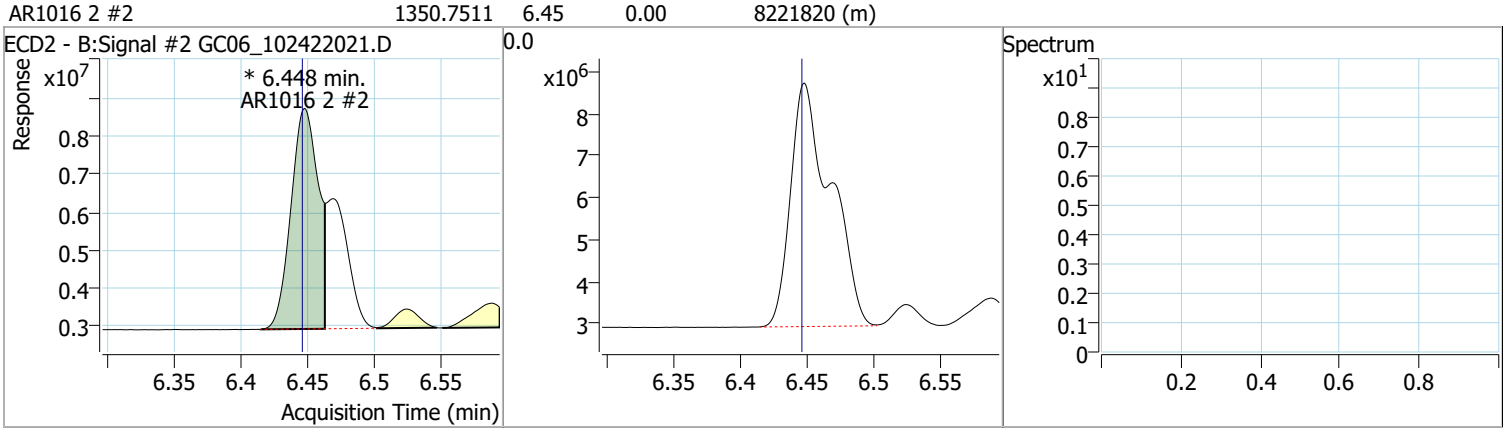
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1345.7155	6.29	0.00	3611170				



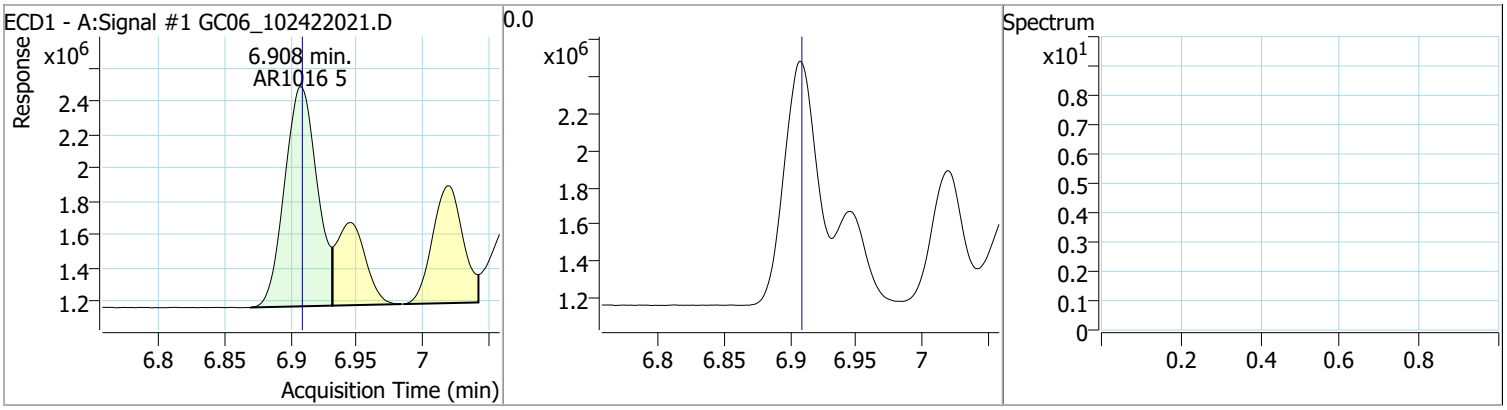
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1360.8515	6.43	0.00	2777408				



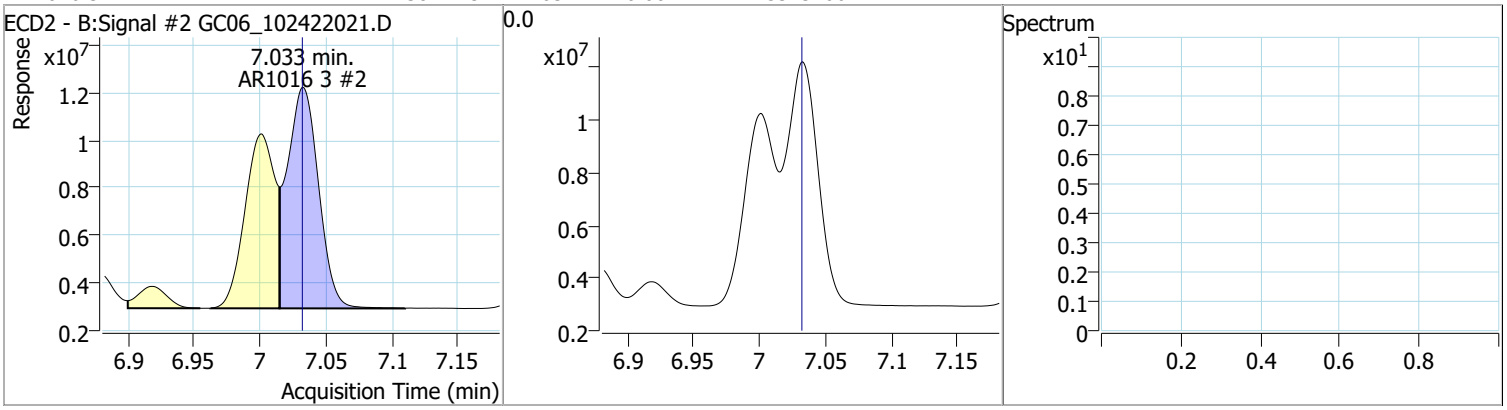
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1350.7511	6.45	0.00	8221820 (m)				



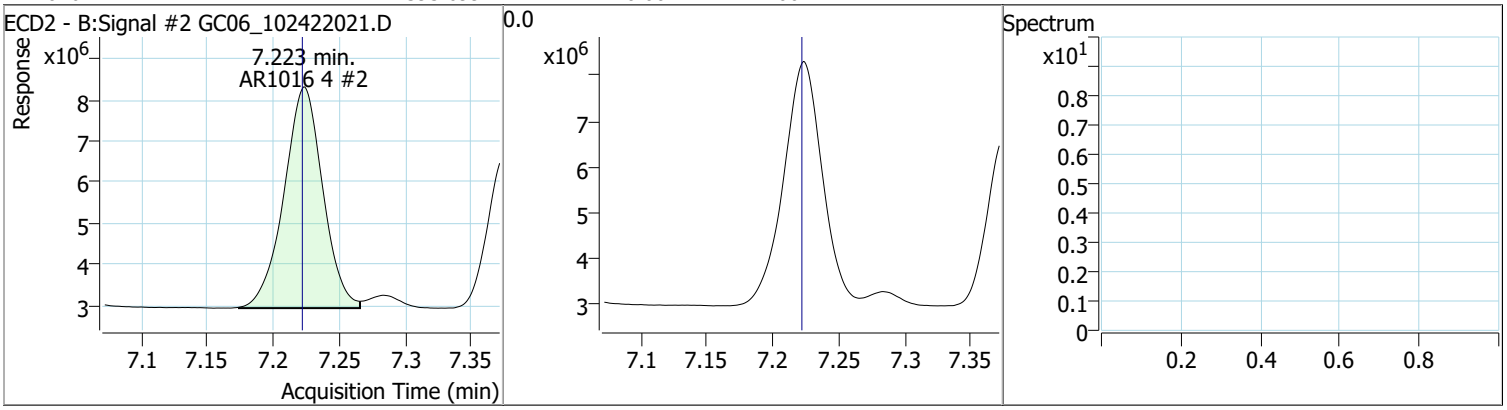
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1364.2649	6.91	0.00	2242692				



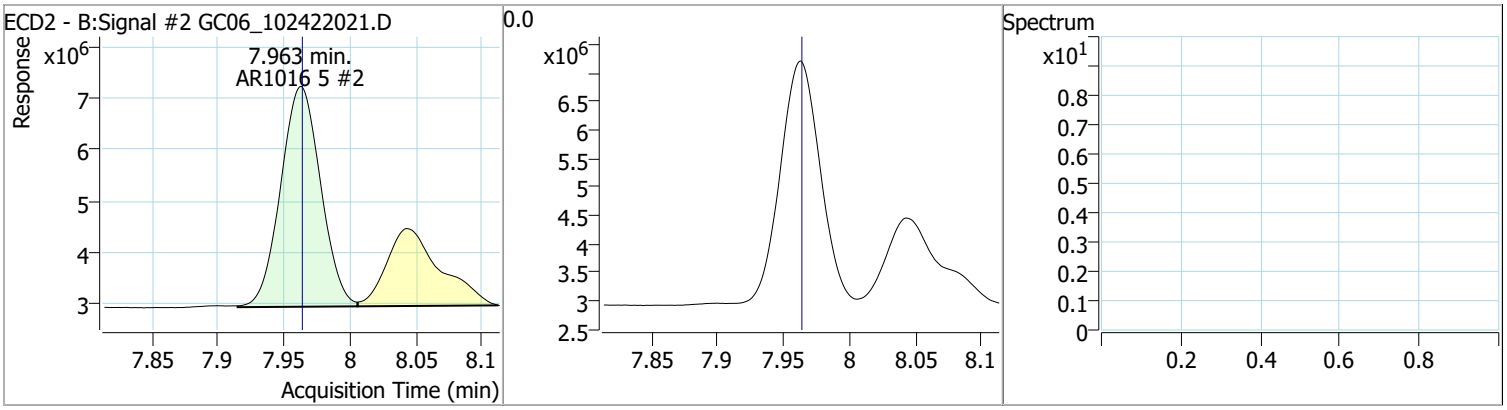
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1387.2792	7.03	0.00	15343106				



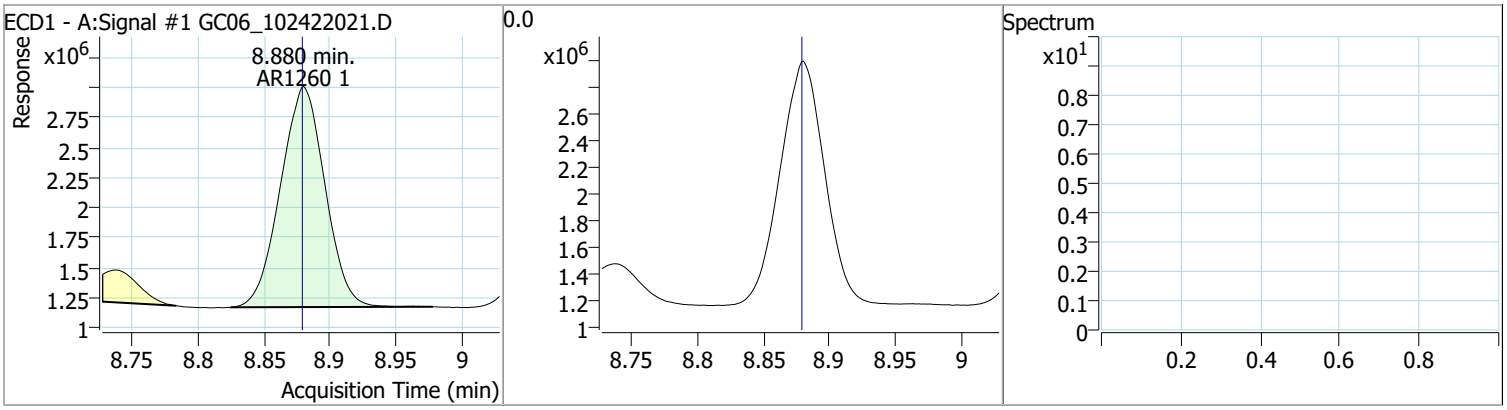
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1393.6991	7.22	0.00	11004271				



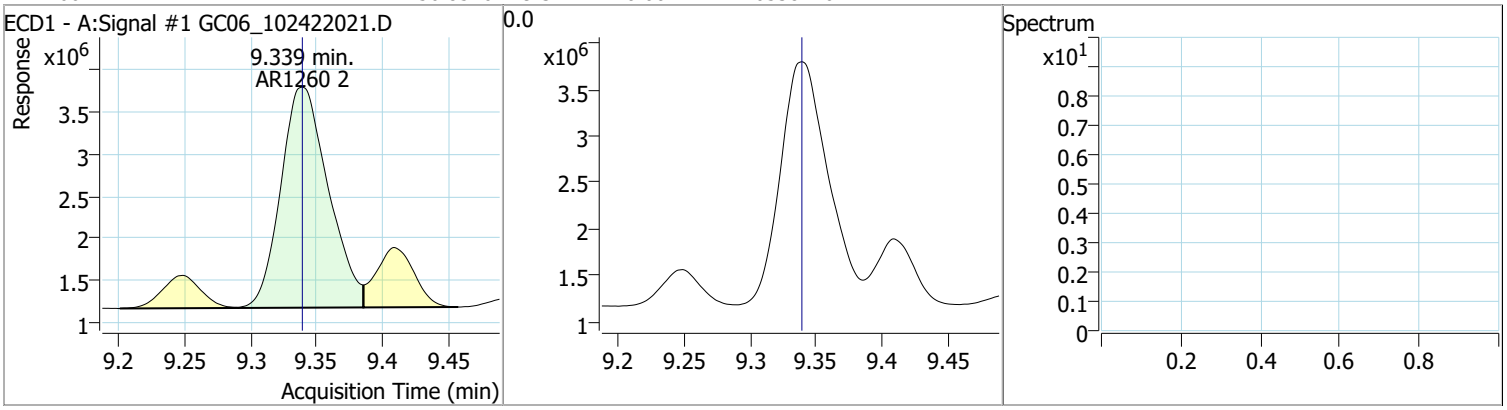
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1403.7375	7.96	0.00	9009188				



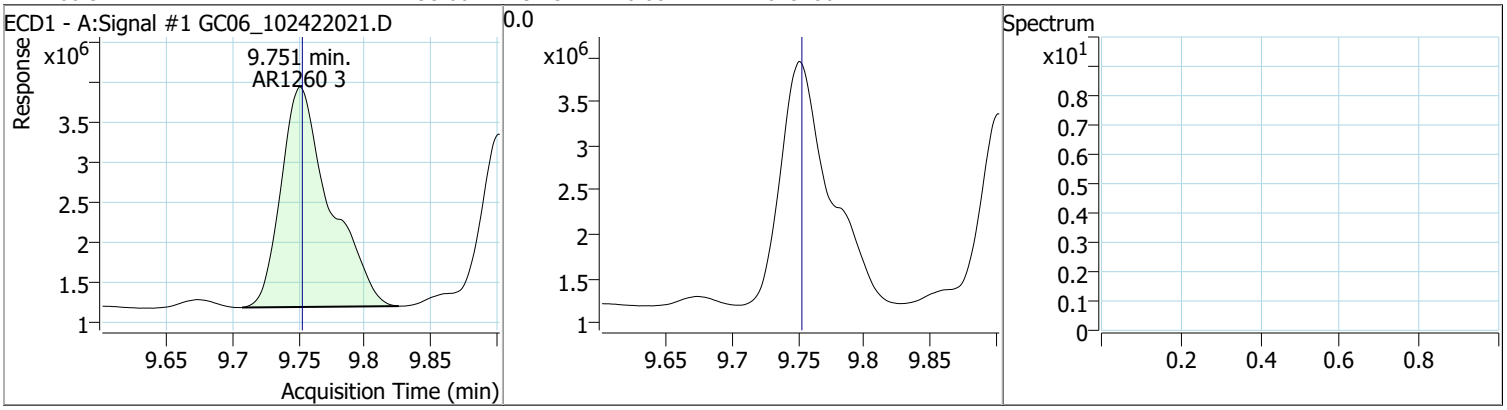
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1249.9957	8.88	0.00	4266432				



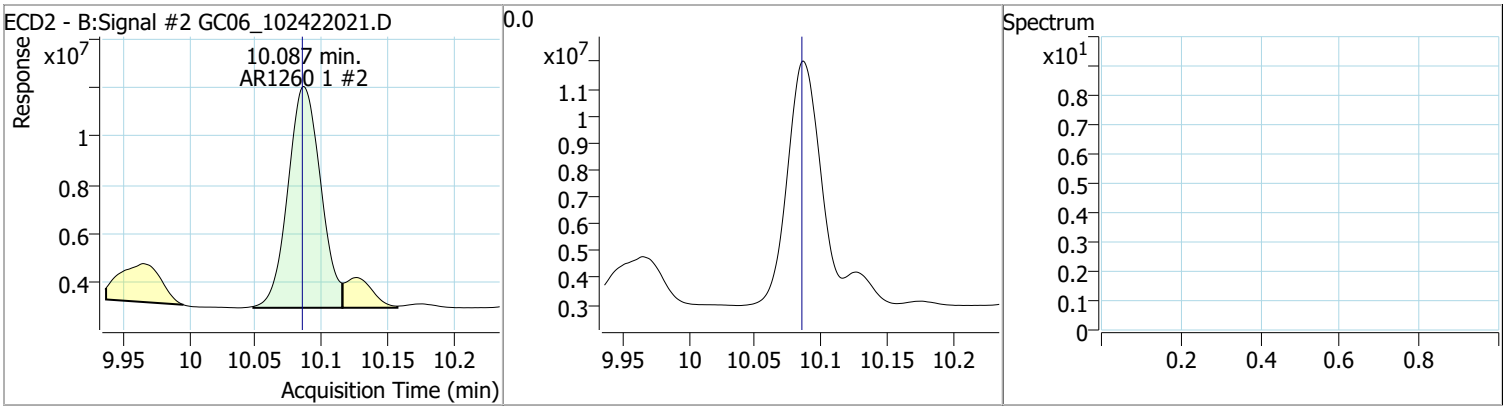
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1256.8526	9.34	0.00	6538470				



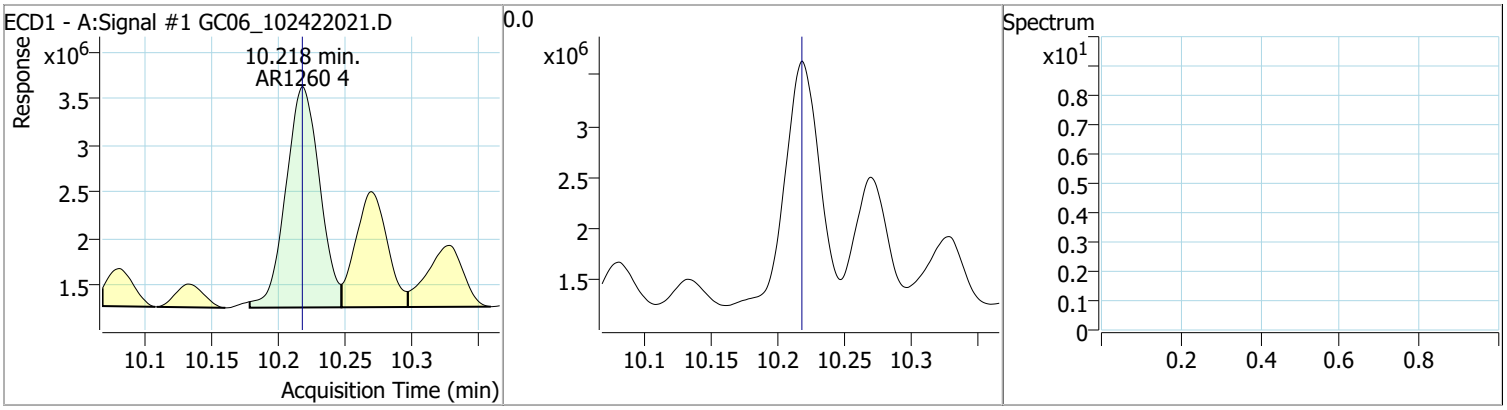
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1295.6677	9.75	0.00	7045186				



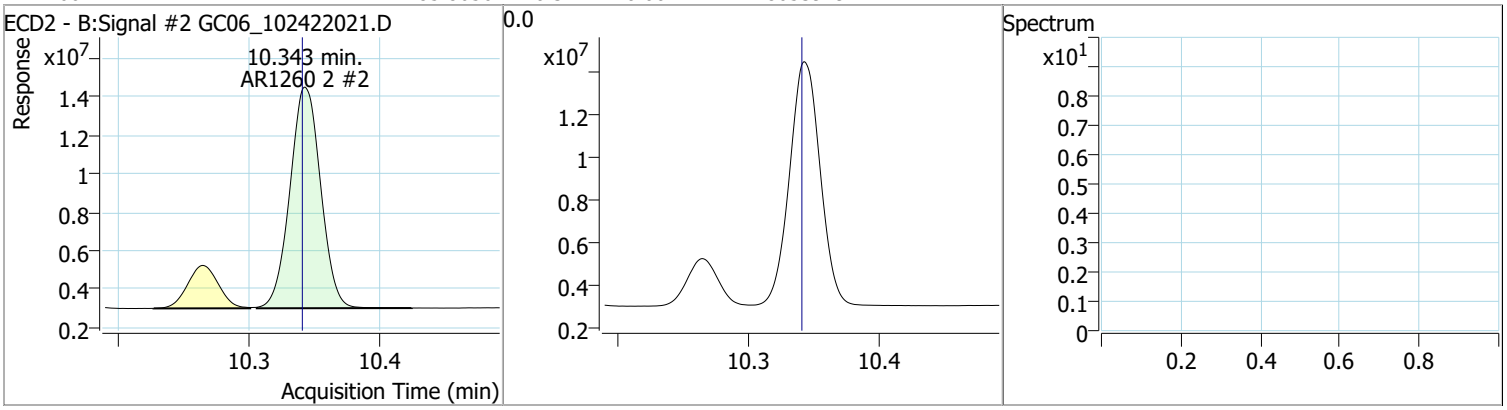
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1295.8237	10.09	0.00	15645490				



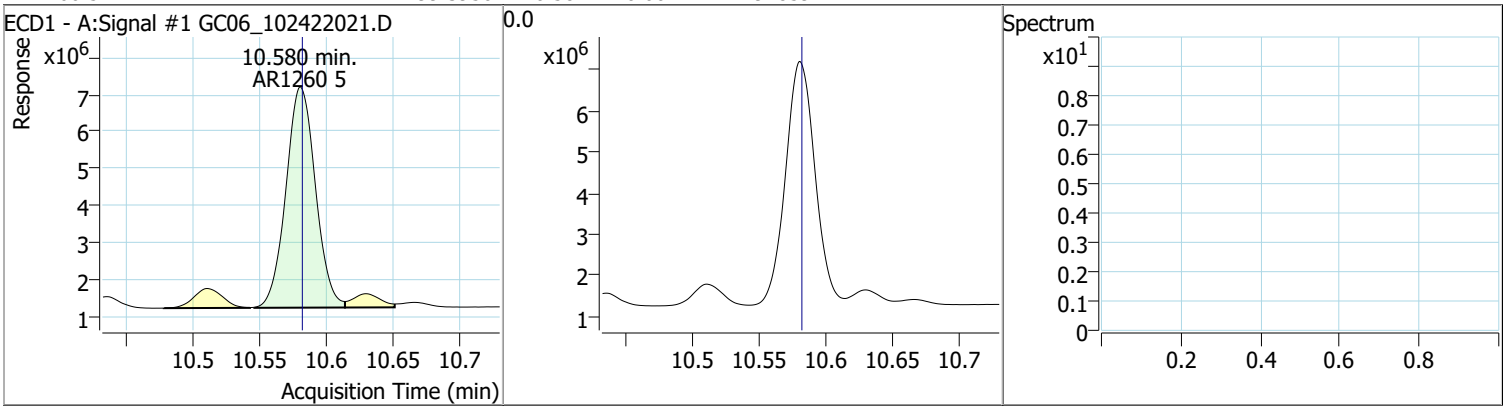
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1449.9072	10.22	0.00	4208394				



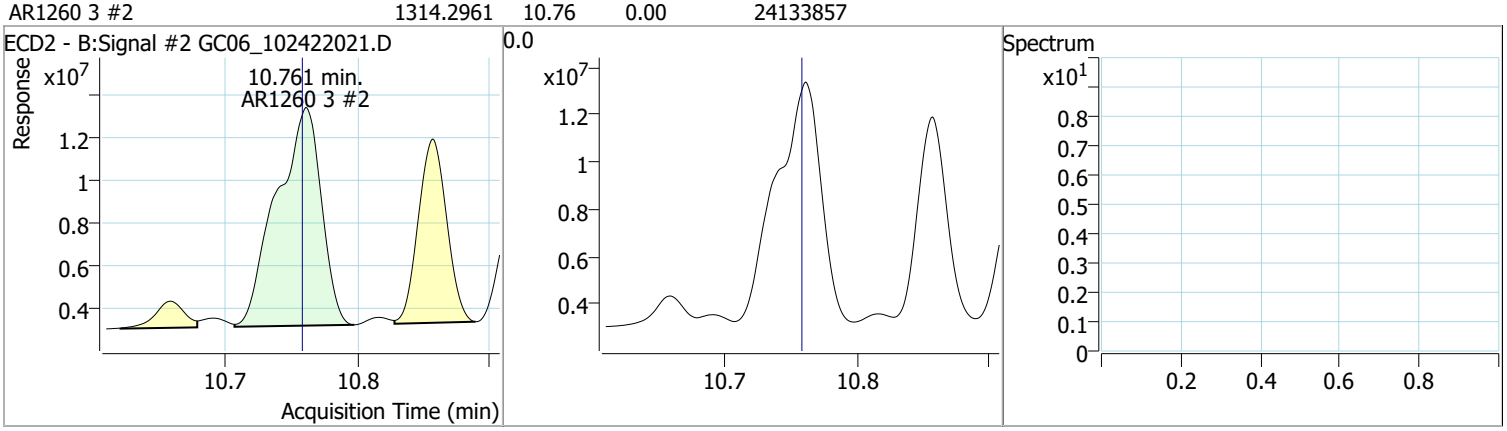
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1285.8656	10.34	0.00	18653949				



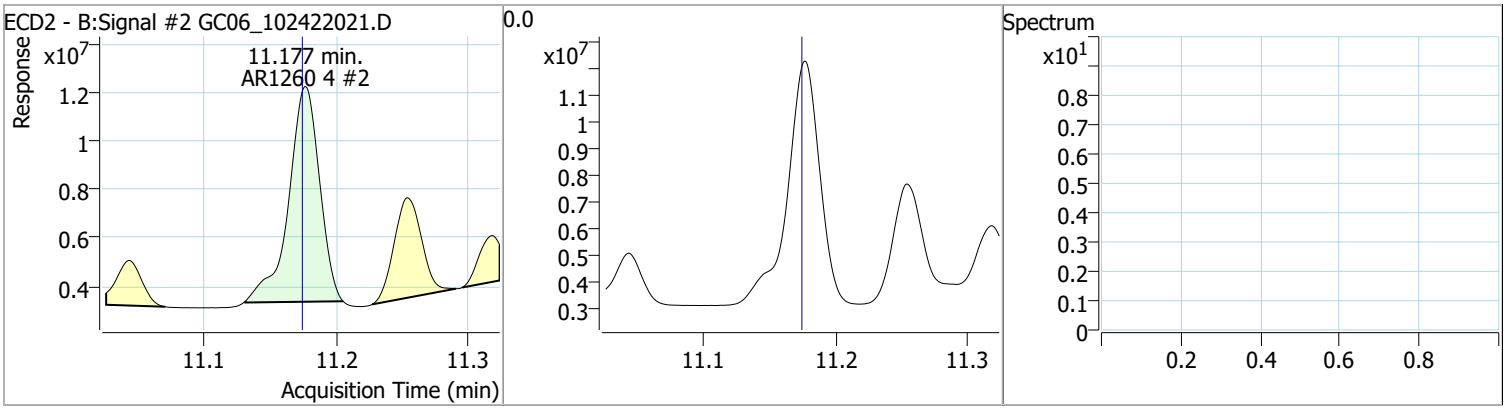
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1499.3950	10.58	0.00	9185947				



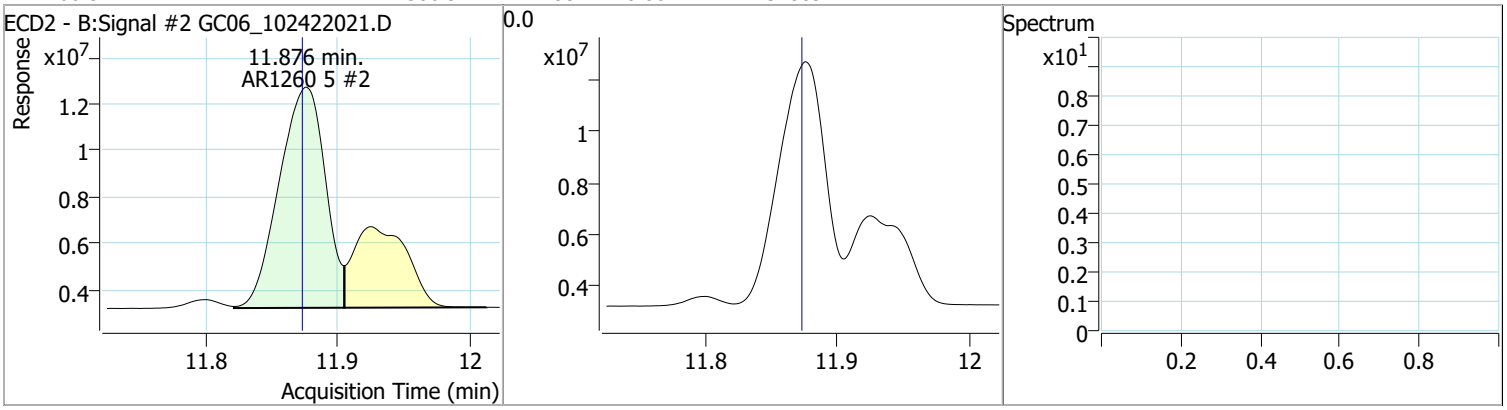
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1314.2961	10.76	0.00	24133857				



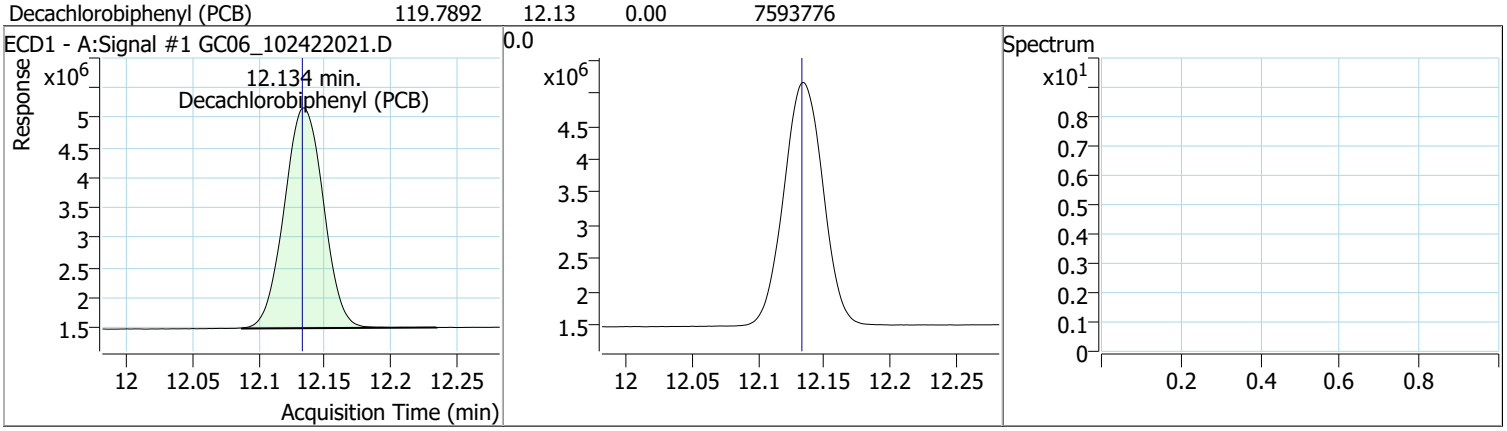
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1419.8121	11.18	0.00	14547609				



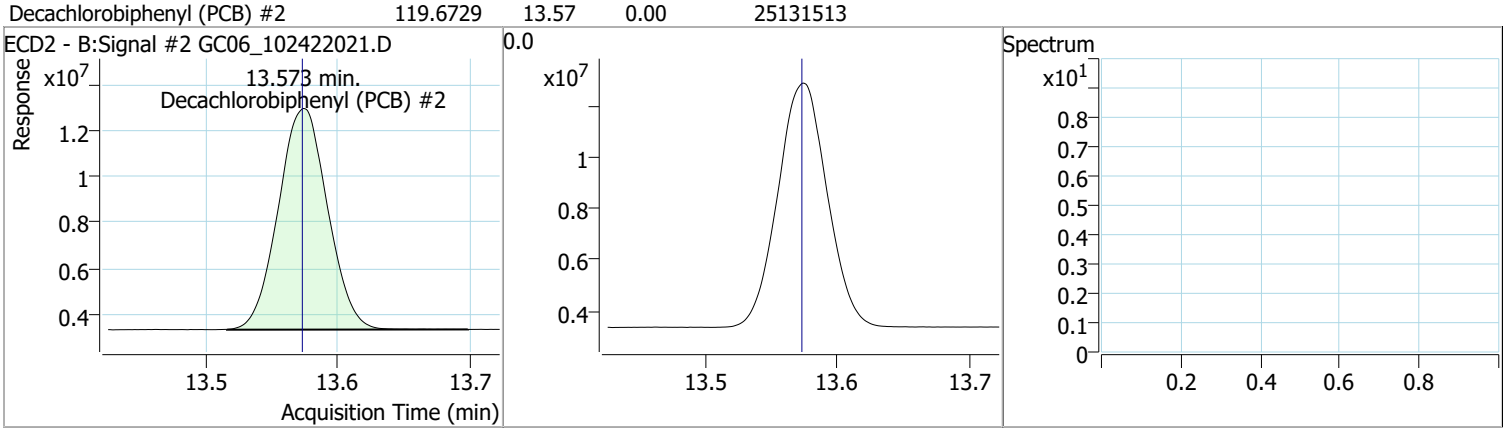
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1500.9271	11.88	0.00	23188941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	119.7892	12.13	0.00	7593776				

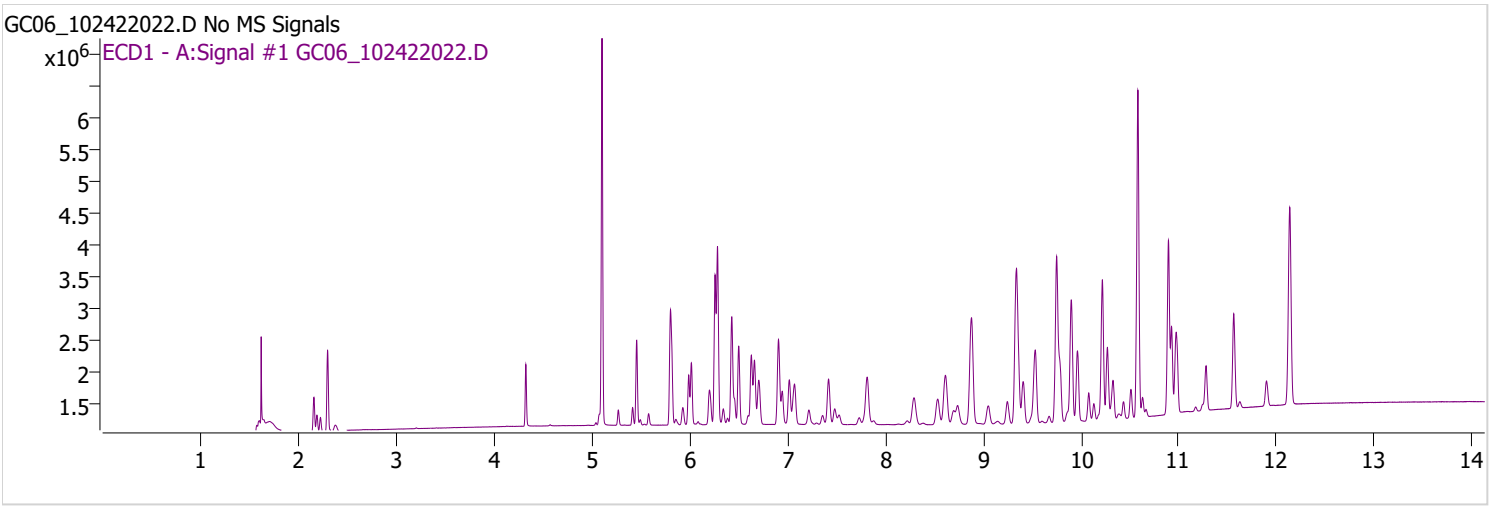


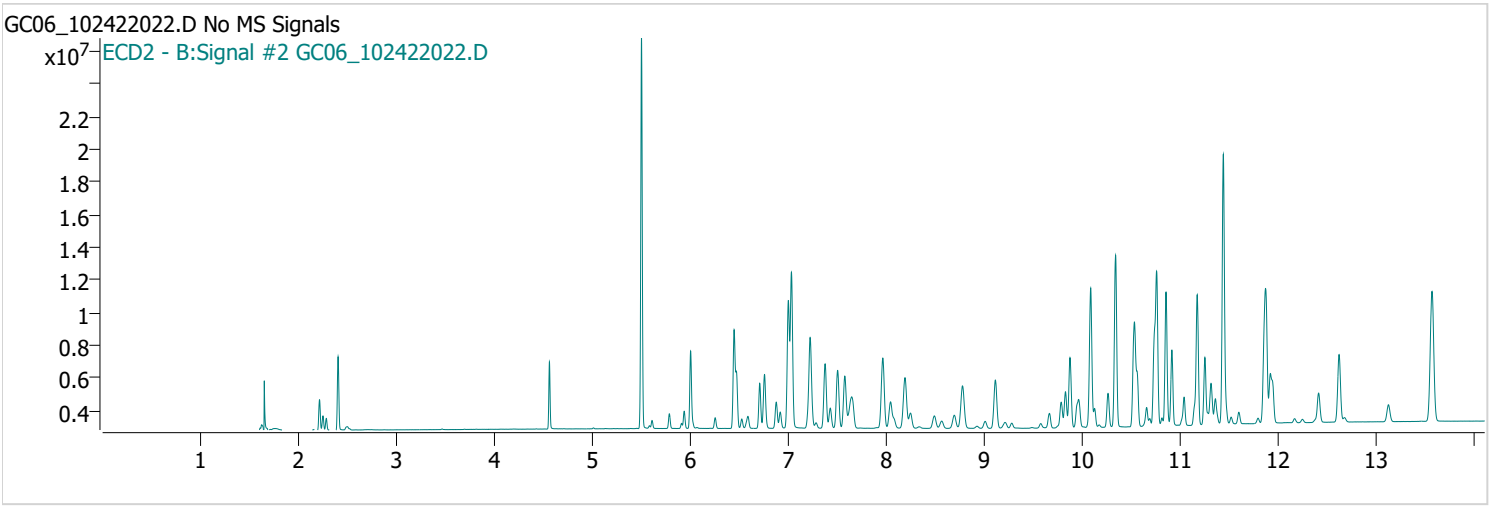
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	119.6729	13.57	0.00	25131513				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:49:40 PM
Sample Name	ICAL, S17271	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



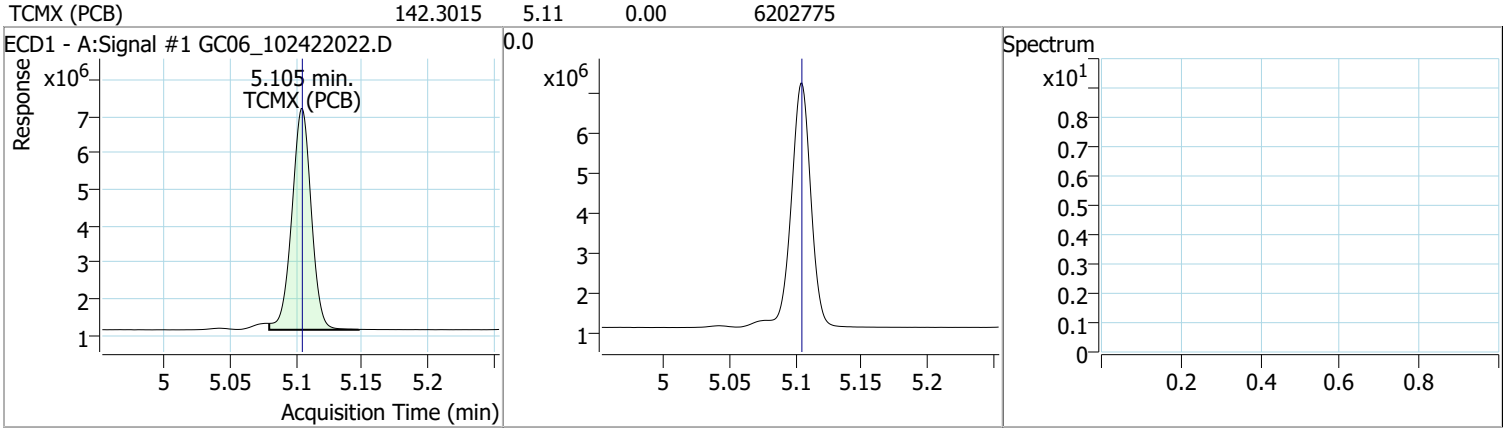


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	906626.221	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3691149.717	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	6202774.952	142.3015	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 711.51%		*	
S TCMX (PCB) #2	5.503	0.0	25651002.263	144.7037	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 723.52%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	6098843.349	106.6672	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 533.34%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	20258174.033	105.7889	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.94%		*	
Target Compounds							QValue

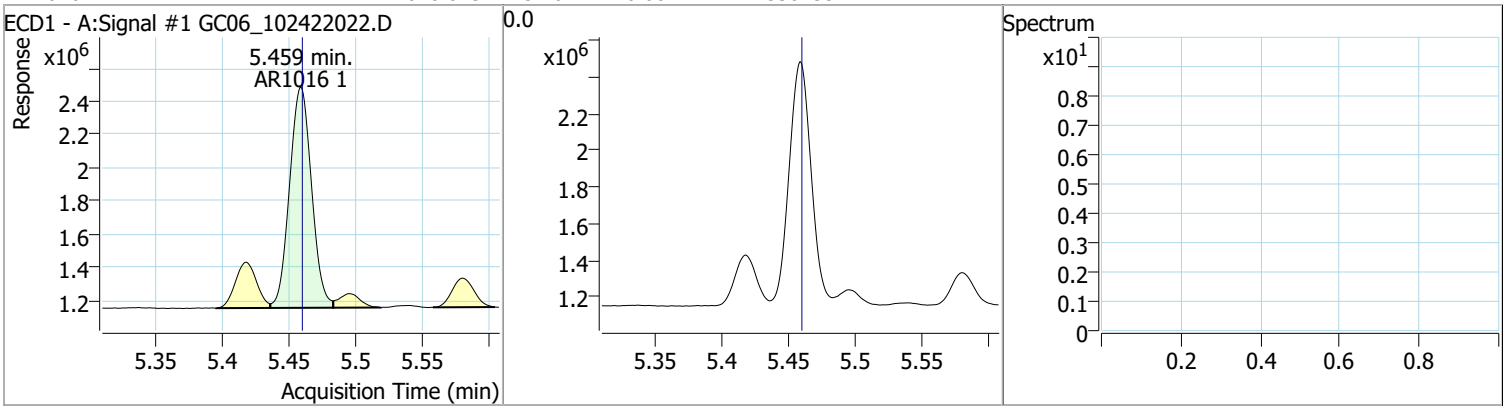
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.459	0.0	1538734.960	1618.8137	ng/ml		100
T AR1016 2	5.805	0.0	3184204.270	1669.3851	ng/ml		100
T AR1016 1 #2	6.003	0.0	6194471.019	1614.7027	ng/ml		100
T AR1016 3	6.285	0.0	3827451.052	1588.1636	ng/ml		100
T AR1016 4	6.431	0.0	2903211.966	1583.9087	ng/ml		100
T AR1016 2 #2	6.448	0.0	8887205.164	1604.8078	ng/ml	m	100
T AR1016 5	6.908	0.0	2292606.771	1552.8837	ng/ml		100
T AR1016 3 #2	7.033	0.0	15846370.157	1574.8198	ng/ml		100
T AR1016 4 #2	7.223	0.0	11463840.690	1595.8363	ng/ml		100
T AR1016 5 #2	7.966	0.0	9161537.220	1568.9859	ng/ml		100
T AR1260 1	8.881	0.0	4117618.549	1343.2907	ng/ml		100
T AR1260 2	9.341	0.0	6106282.504	1306.9692	ng/ml		100
T AR1260 3	9.752	0.0	6524007.873	1335.9676	ng/ml		100
T AR1260 1 #2	10.088	0.0	14980655.669	1363.7603	ng/ml		100
T AR1260 4	10.219	0.0	3788830.282	1453.5184	ng/ml		100
T AR1260 2 #2	10.343	0.0	17403792.021	1318.6185	ng/ml		100
T AR1260 5	10.582	0.0	8046003.993	1461.9072	ng/ml		100
T AR1260 3 #2	10.761	0.0	22258325.428	1332.3228	ng/ml		100
T AR1260 4 #2	11.176	0.0	13342427.945	1431.4709	ng/ml		100
T AR1260 5 #2	11.873	0.0	20128855.663	1431.1606	ng/ml		100

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

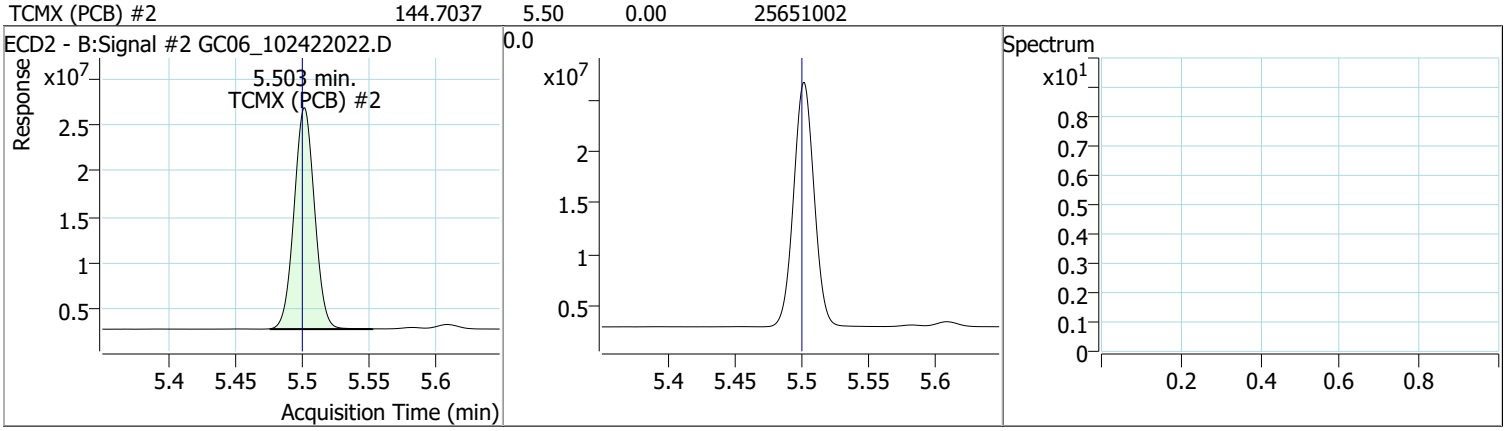
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	142.3015	5.11	0.00	6202775				



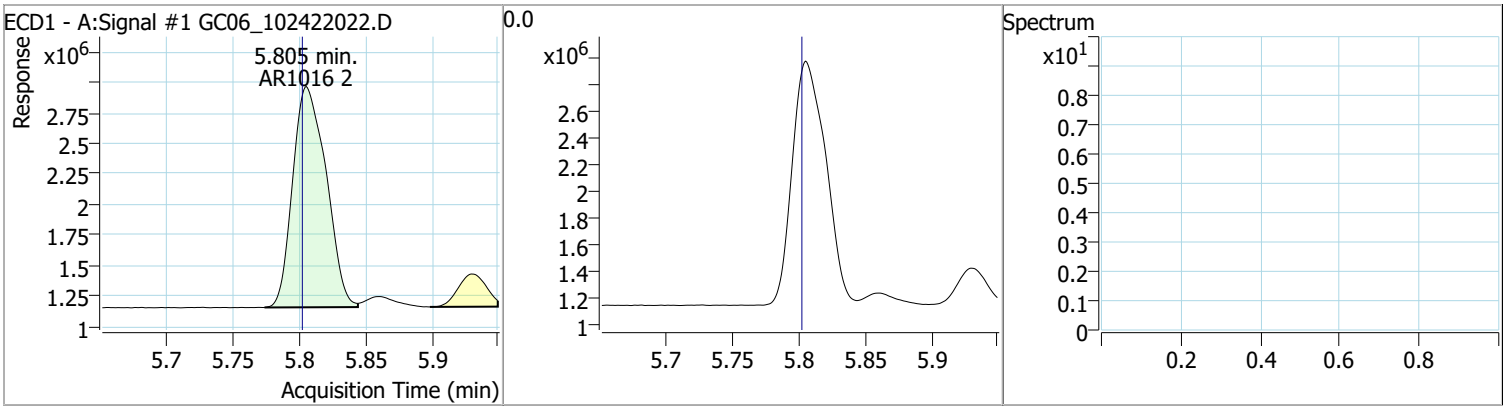
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1618.8137	5.46	0.00	1538735				



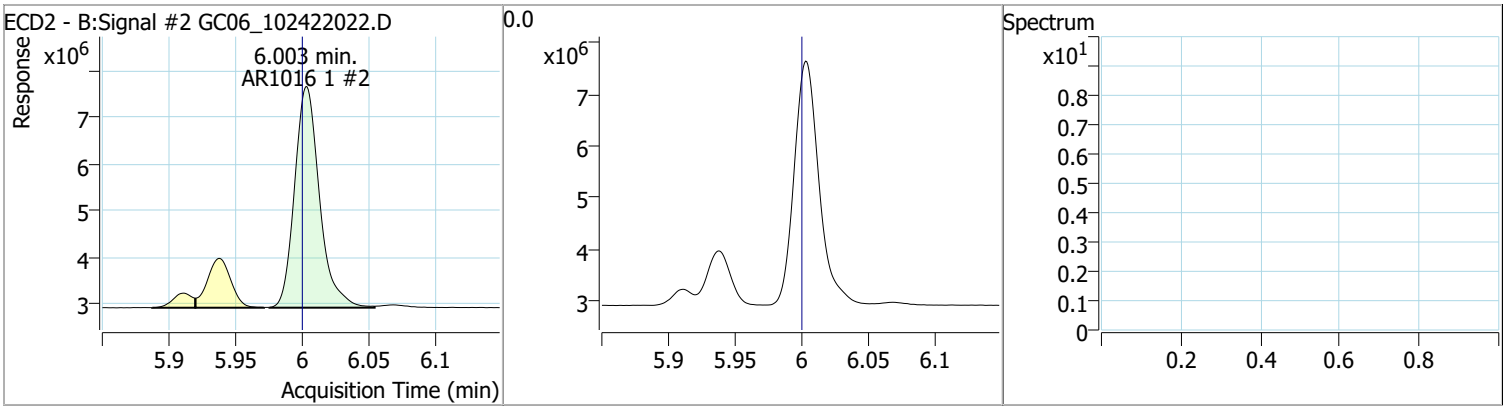
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	144.7037	5.50	0.00	25651002				



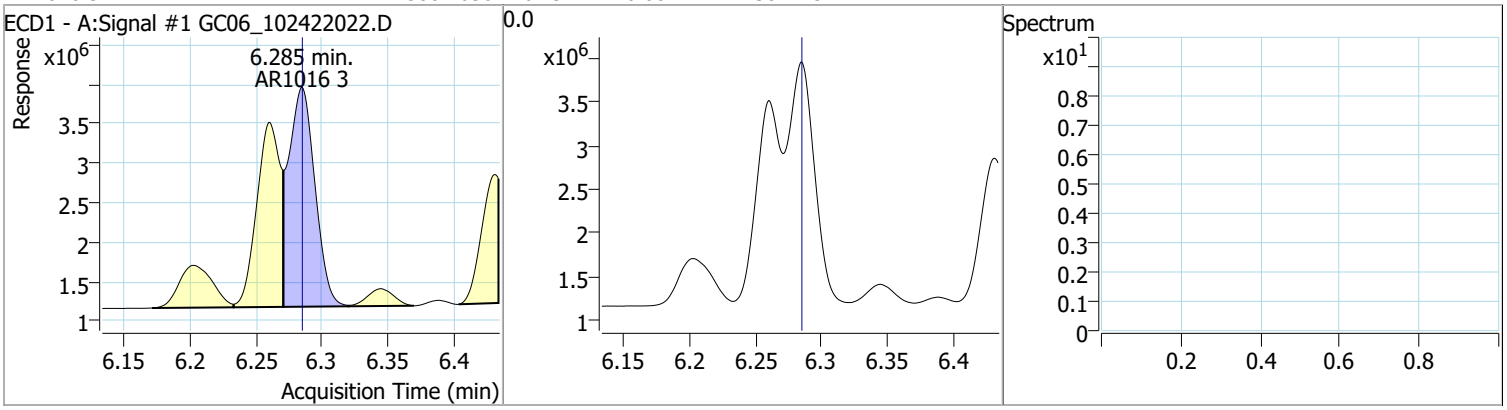
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1669.3851	5.81	0.00	3184204				



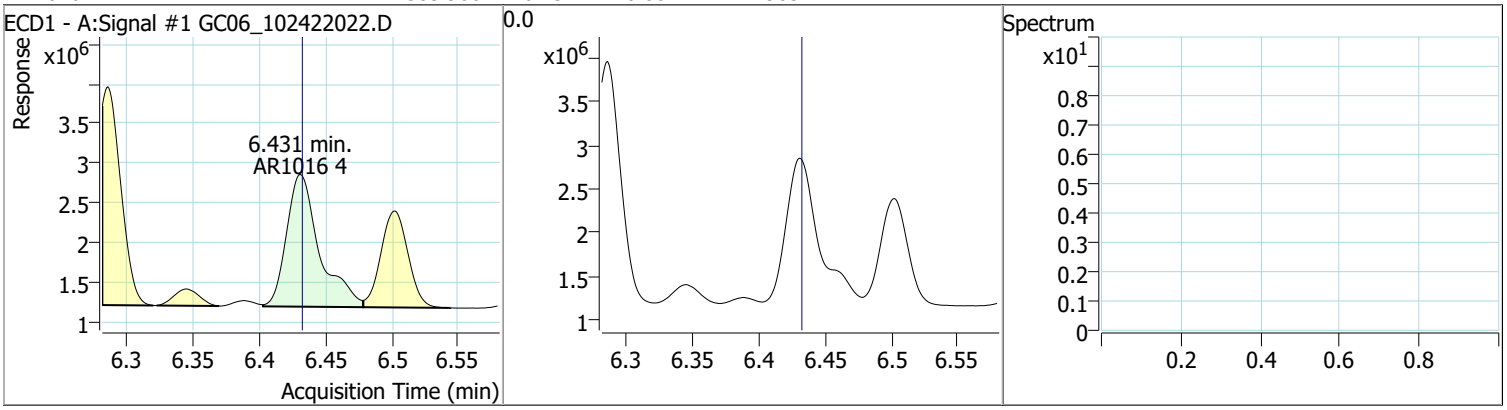
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1614.7027	6.00	0.00	6194471				



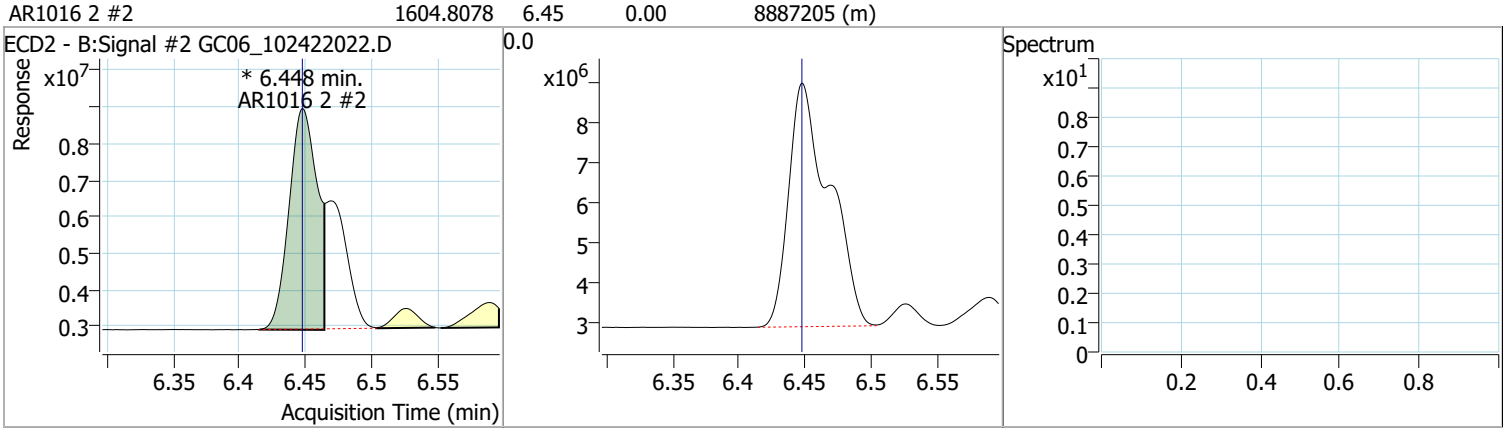
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1588.1636	6.29	0.00	3827451				



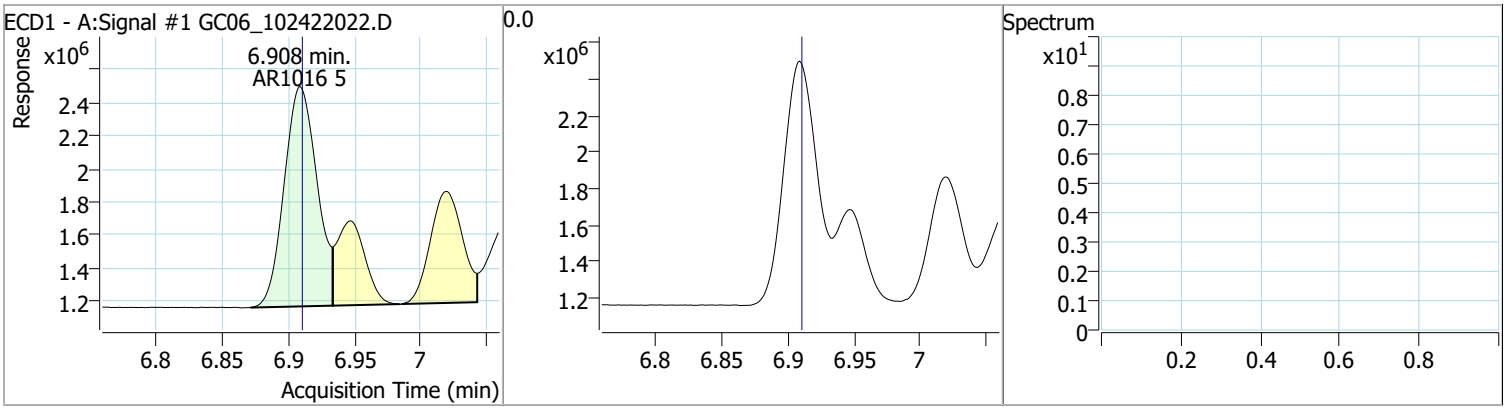
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1583.9087	6.43	0.00	2903212				



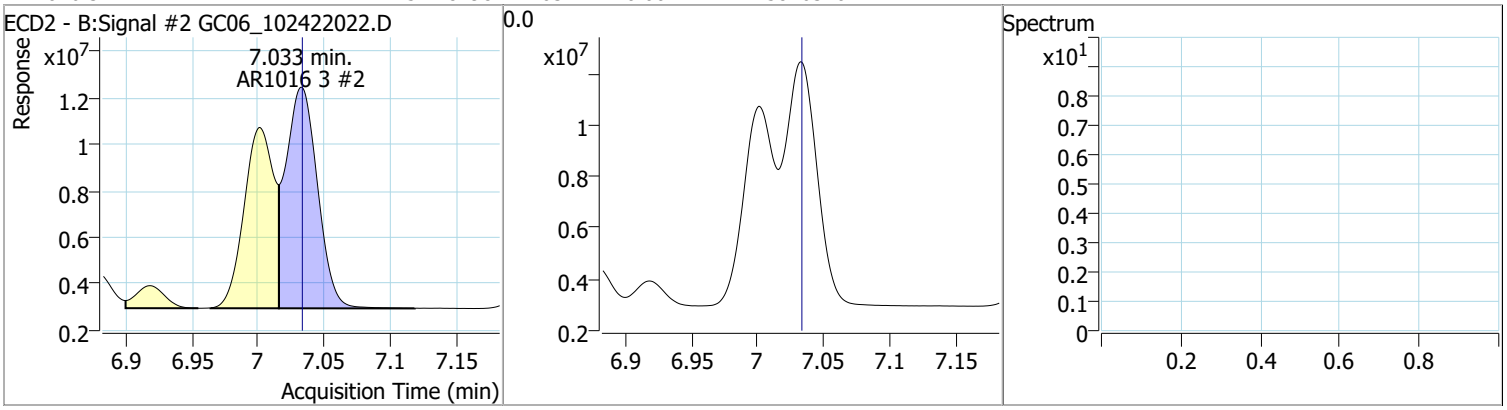
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AR1016 2 #2	1604.8078	6.45	0.00	8887205 (m)				



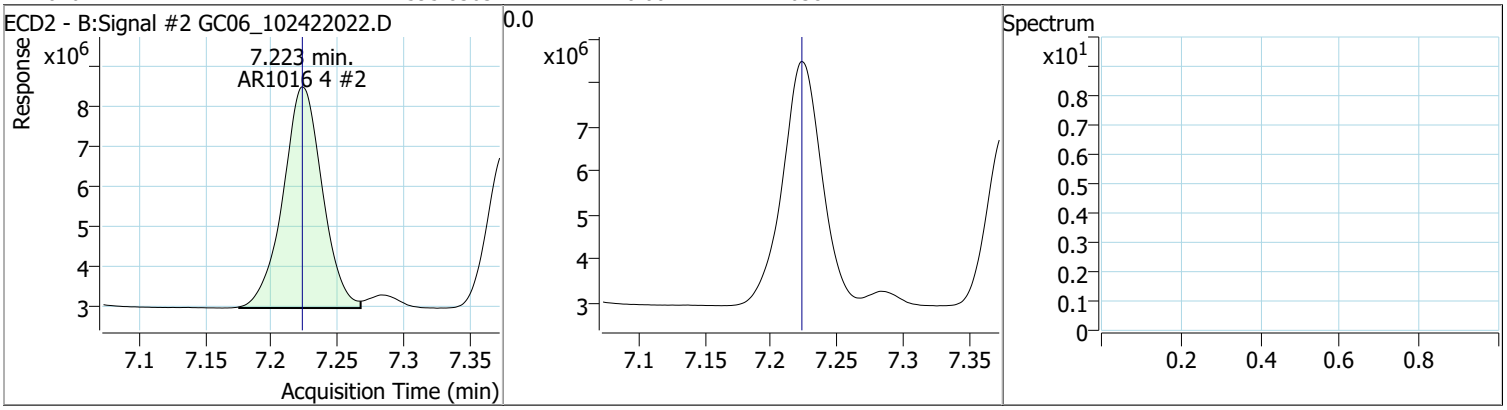
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1552.8837	6.91	0.00	2292607				



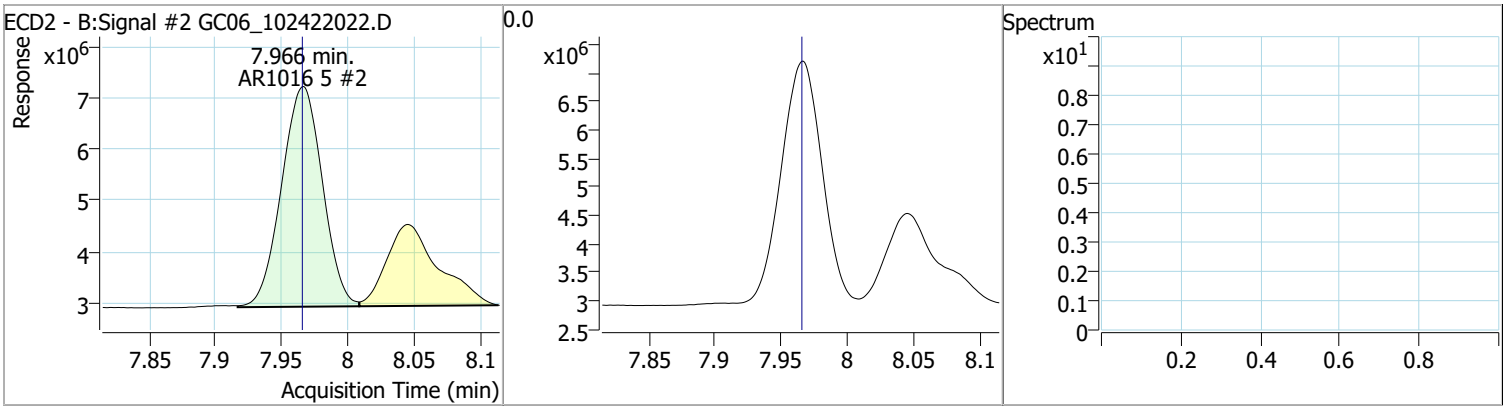
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1574.8198	7.03	0.00	15846370				



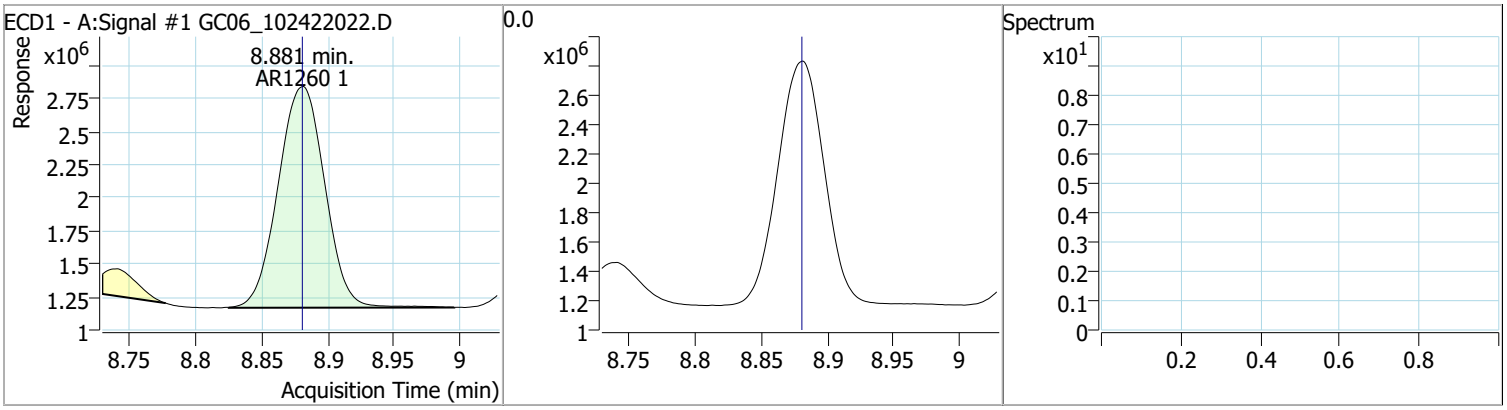
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1595.8363	7.22	0.00	11463841				



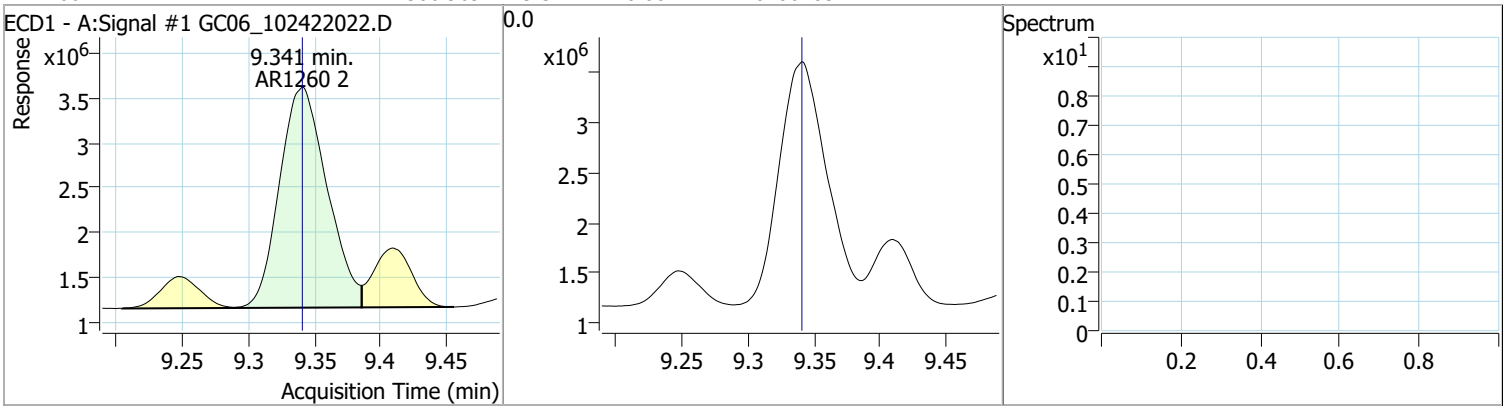
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1568.9859	7.97	0.00	9161537				



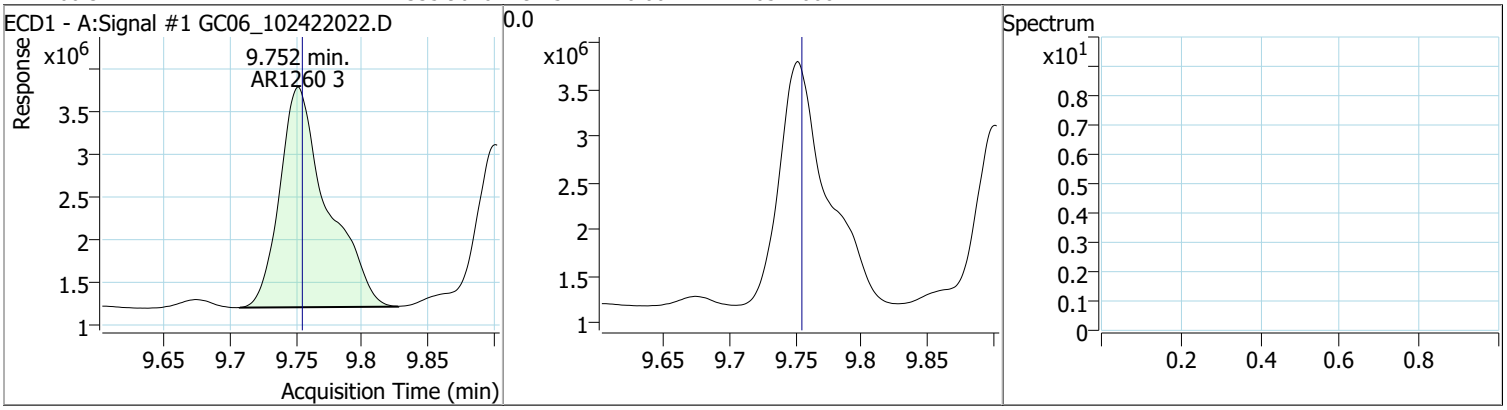
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1343.2907	8.88	0.00	4117619				



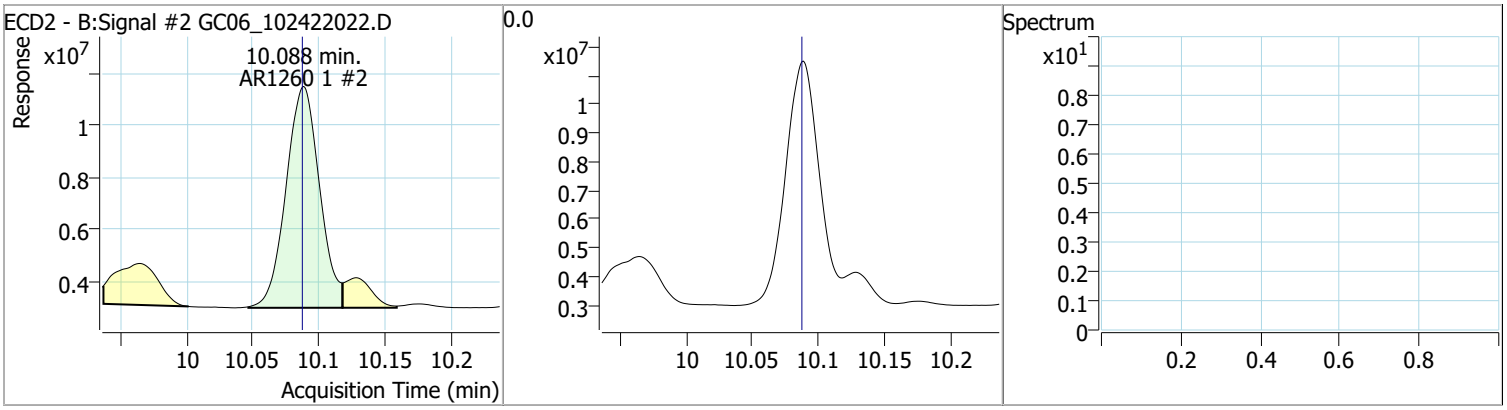
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1306.9692	9.34	0.00	6106283				



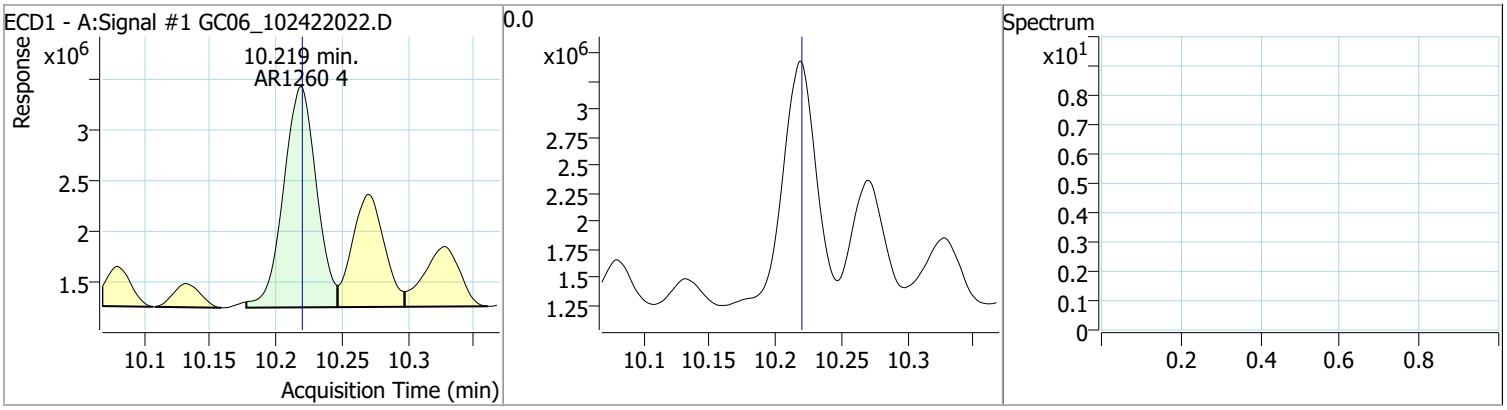
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AR1260 3	1335.9676	9.75	0.00	6524008				



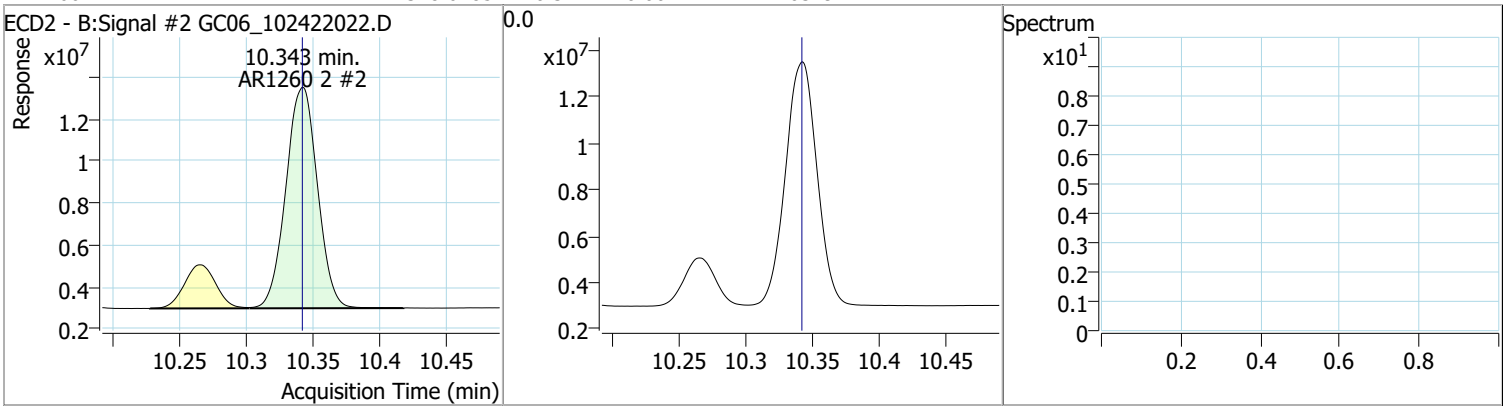
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1363.7603	10.09	0.00	14980656				



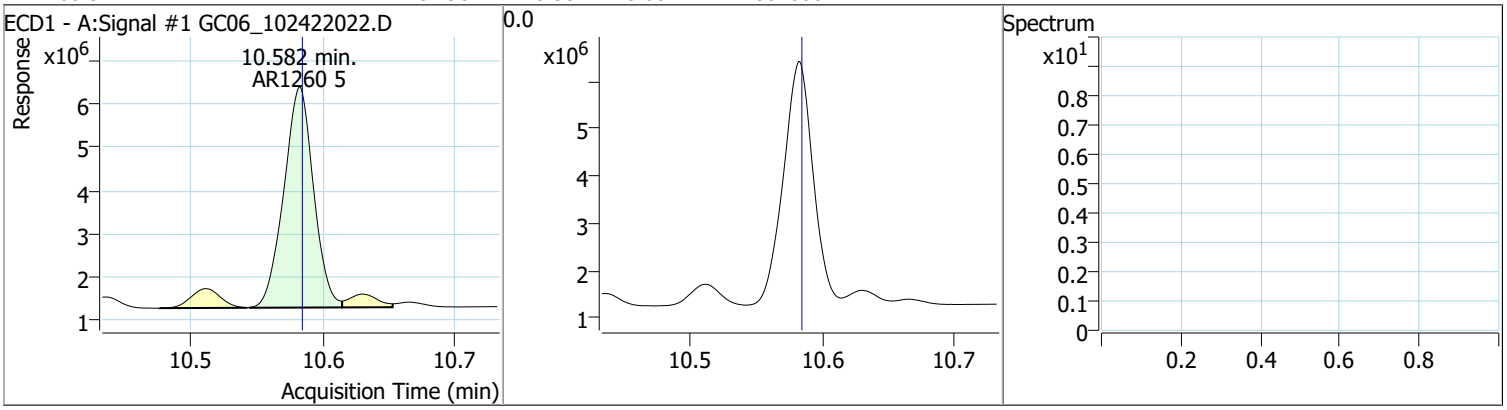
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1453.5184	10.22	0.00	3788830				



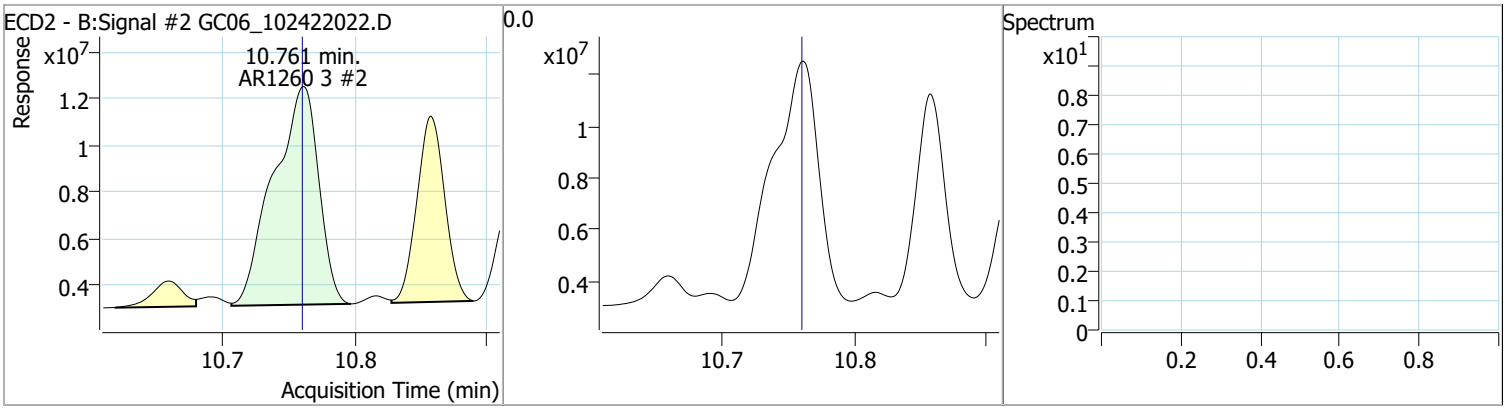
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1318.6185	10.34	0.00	17403792				



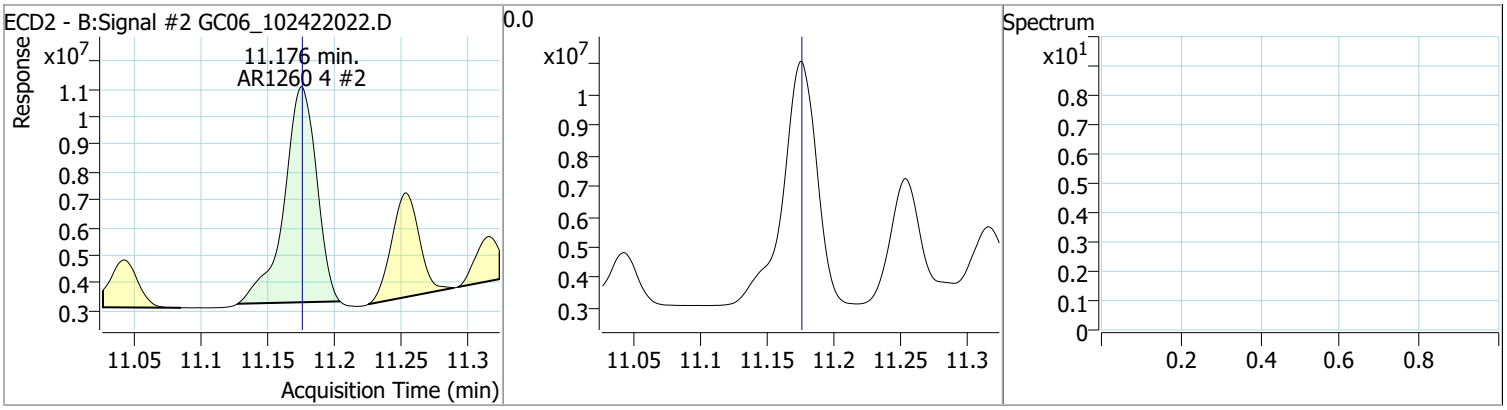
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1461.9072	10.58	0.00	8046004				



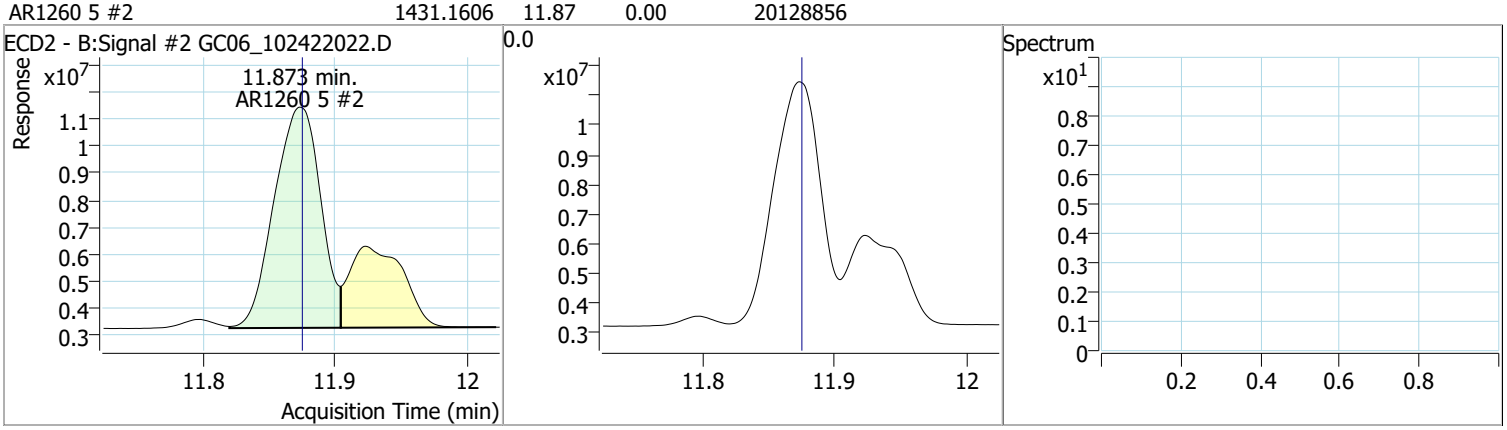
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1332.3228	10.76	0.00	22258325				



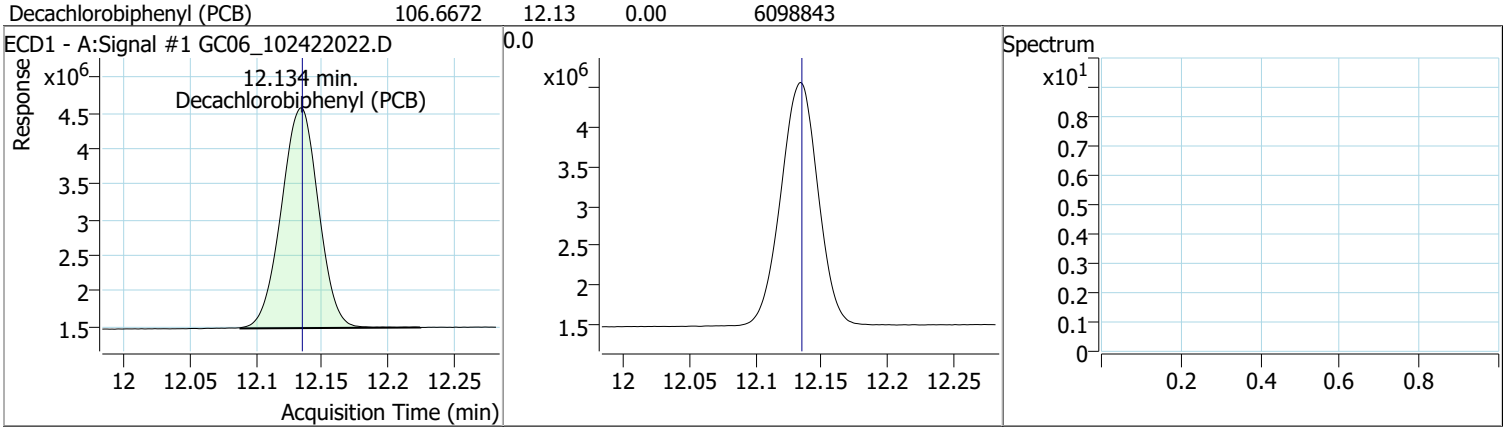
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1431.4709	11.18	0.00	13342428				



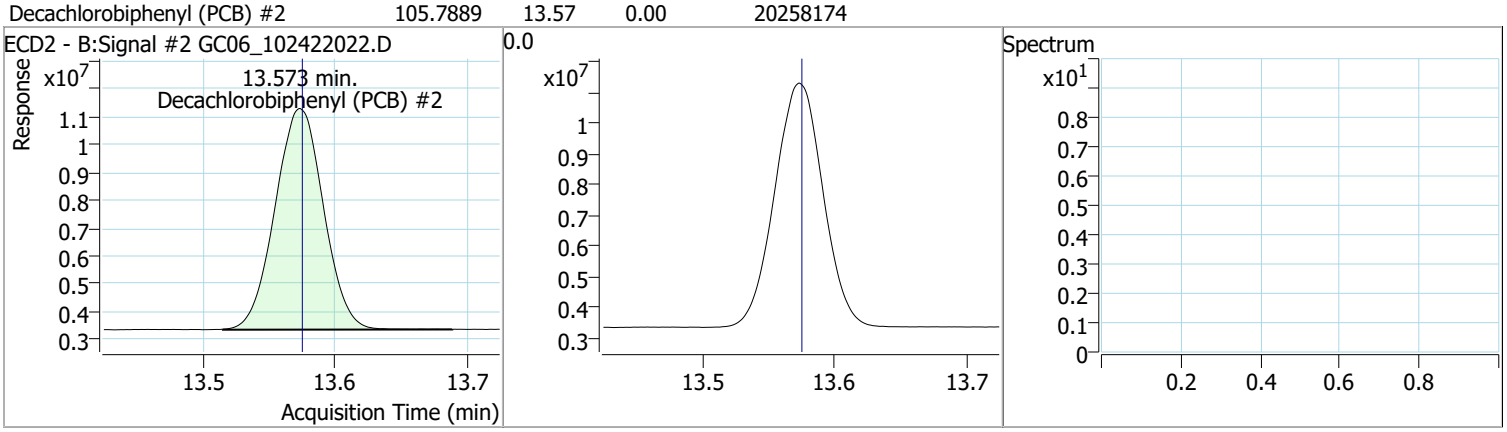
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1431.1606	11.87	0.00	20128856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	106.6672	12.13	0.00	6098843				

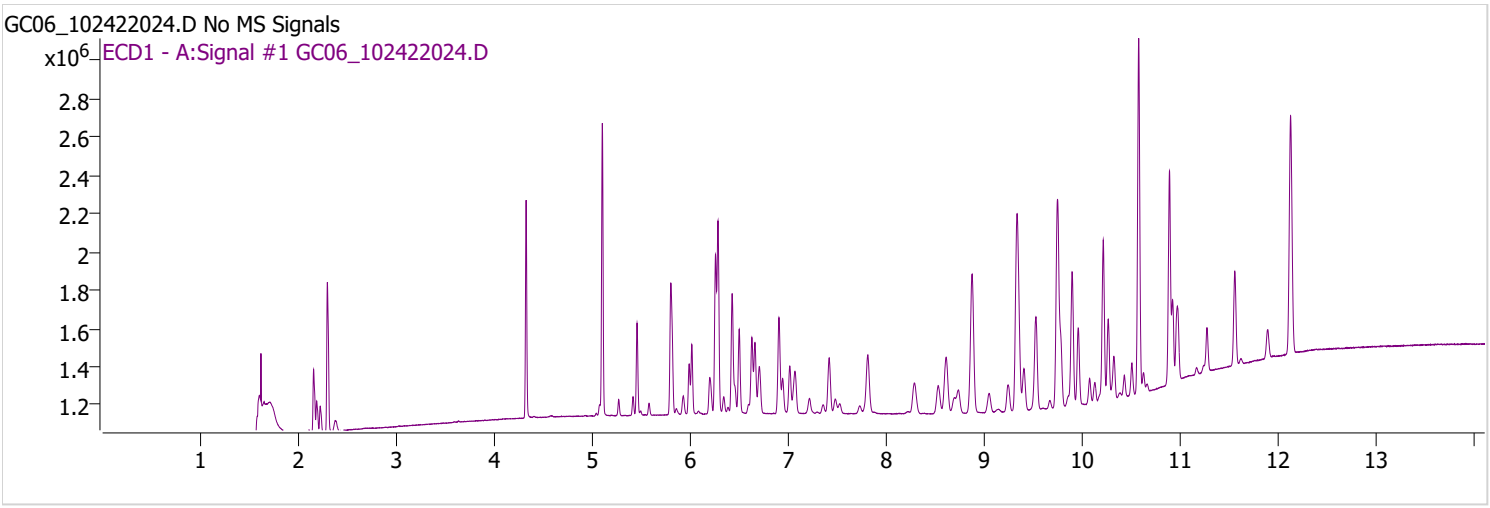


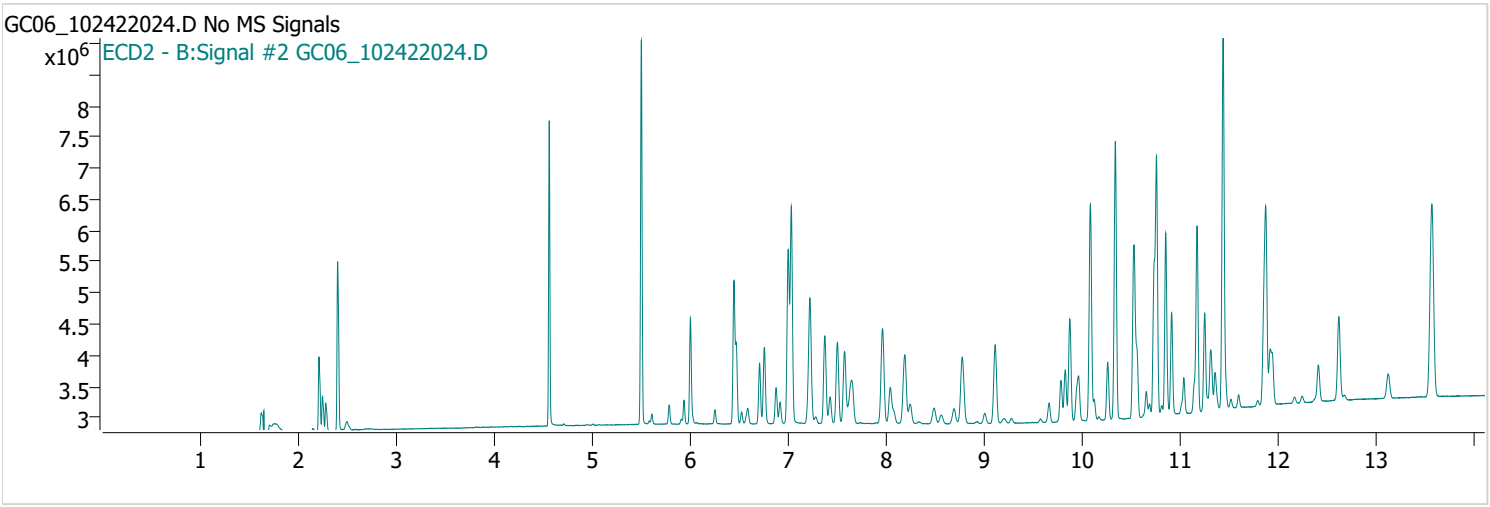
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.7889	13.57	0.00	20258174				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 8:25:35 PM
Sample Name	ICV, S17235	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



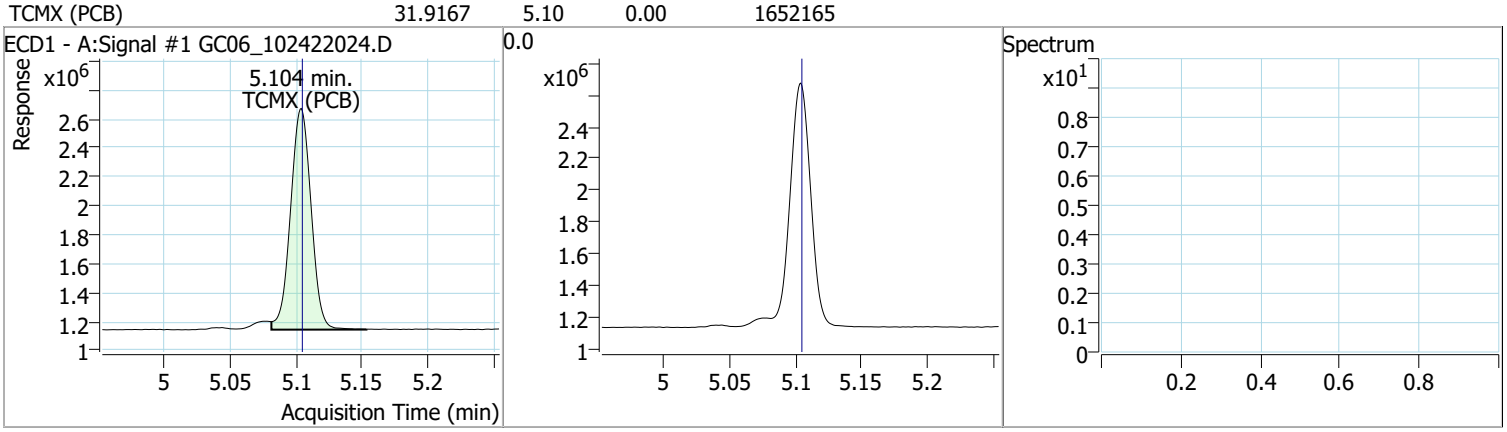


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	1076682.196	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4397148.902	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	1652164.770	31.9167	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.58%		*	
S TCMX (PCB) #2	5.503	0.0	6722893.316	31.8363	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.18%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2466843.073	33.4800	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.40%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	8011248.396	33.7063	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.53%		*	
Target Compounds							QValue

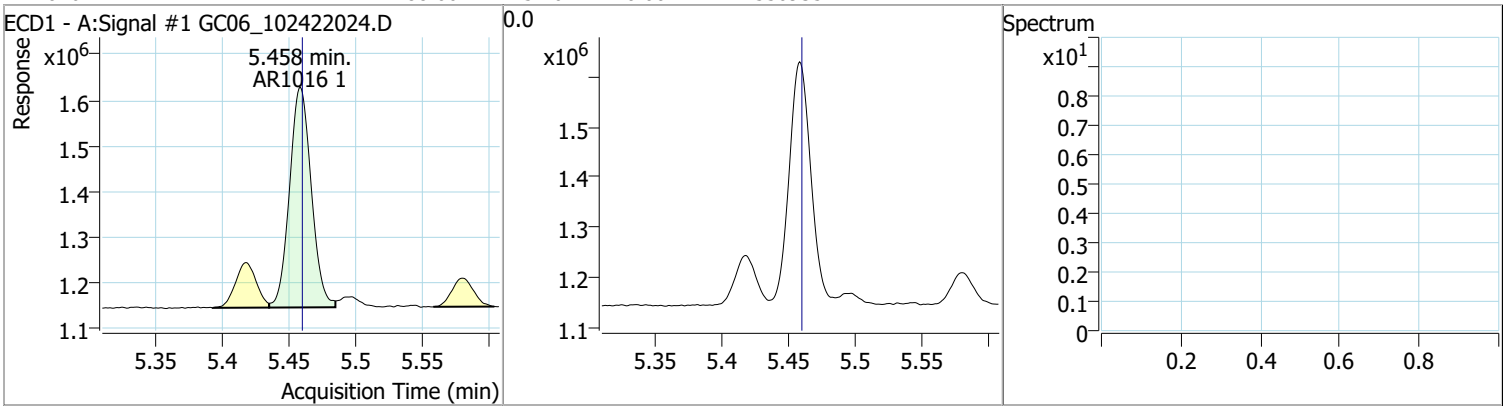
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	550935.426	488.0614	ng/ml		100
T AR1016 2	5.803	0.0	1189862.282	514.7354	ng/ml		100
T AR1016 1 #2	6.003	0.0	2242477.144	490.6896	ng/ml		100
T AR1016 3	6.285	0.0	1389465.420	485.4831	ng/ml		100
T AR1016 4	6.430	0.0	1046664.270	480.8388	ng/ml		100
T AR1016 2 #2	6.448	0.0	3255640.126	493.4972	ng/ml	m	100
T AR1016 5	6.908	0.0	816413.877	465.6509	ng/ml		100
T AR1016 3 #2	7.033	0.0	5620148.290	468.8558	ng/ml		100
T AR1016 4 #2	7.223	0.0	4113157.293	480.6445	ng/ml		100
T AR1016 5 #2	7.966	0.0	3287720.462	472.6461	ng/ml		100
T AR1260 1	8.880	0.0	1666464.315	457.7841	ng/ml		100
T AR1260 2	9.340	0.0	2597140.258	468.0849	ng/ml		100
T AR1260 3	9.752	0.0	2770140.676	477.6656	ng/ml		100
T AR1260 1 #2	10.088	0.0	6115733.850	467.3543	ng/ml		100
T AR1260 4	10.219	0.0	1373500.840	432.9684	ng/ml		100
T AR1260 2 #2	10.343	0.0	7171316.093	456.1048	ng/ml		100
T AR1260 5	10.581	0.0	2835639.223	421.1135	ng/ml		100
T AR1260 3 #2	10.763	0.0	9458173.779	475.2419	ng/ml		100
T AR1260 4 #2	11.178	0.0	5106288.877	443.8244	ng/ml		100
T AR1260 5 #2	11.878	0.0	7482914.204	433.7764	ng/ml		100

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

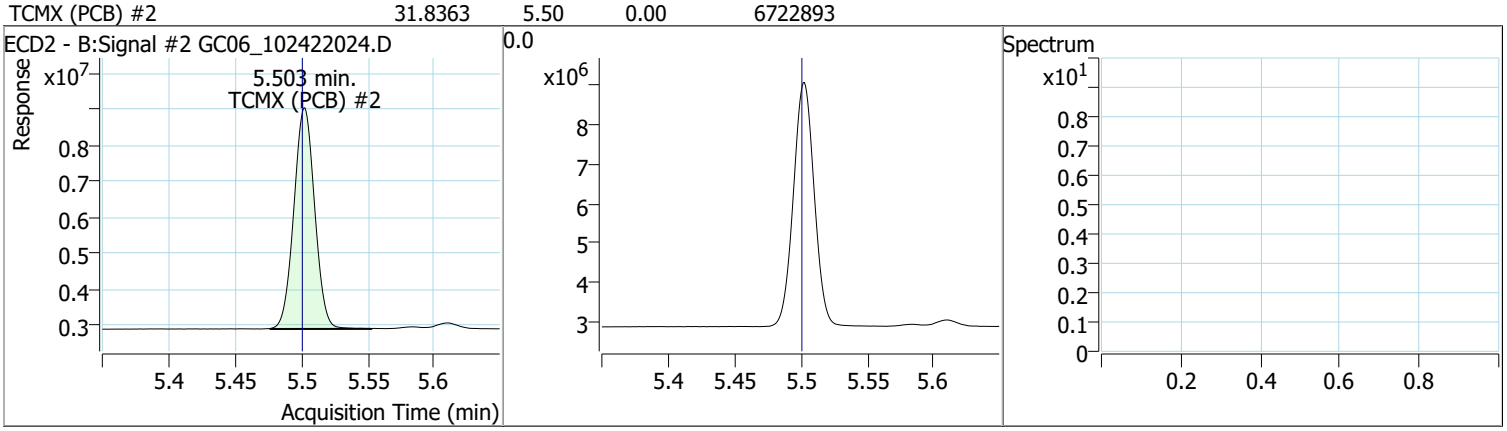
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9167	5.10	0.00	1652165				



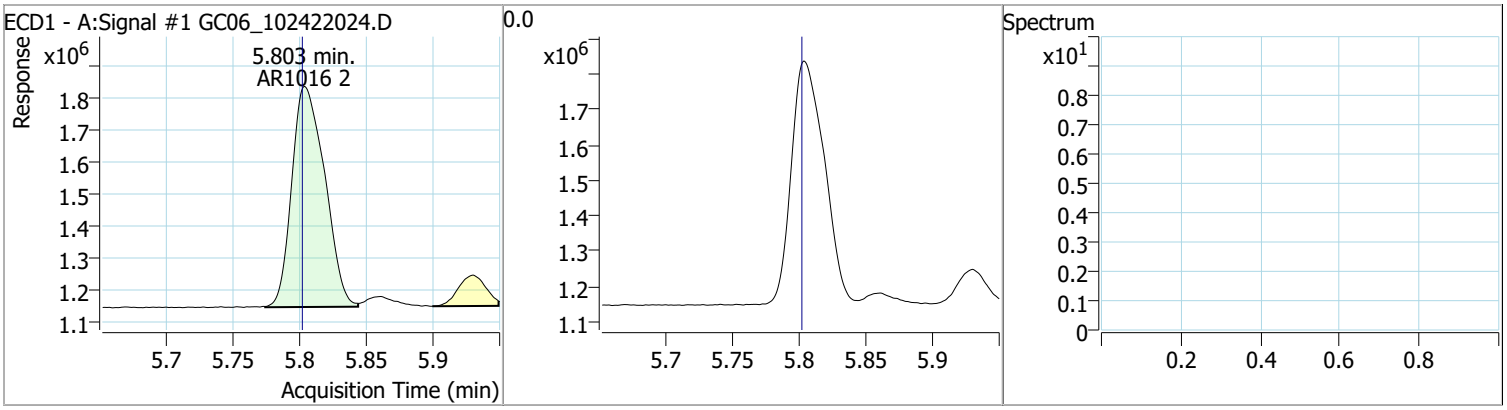
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.0614	5.46	0.00	550935				



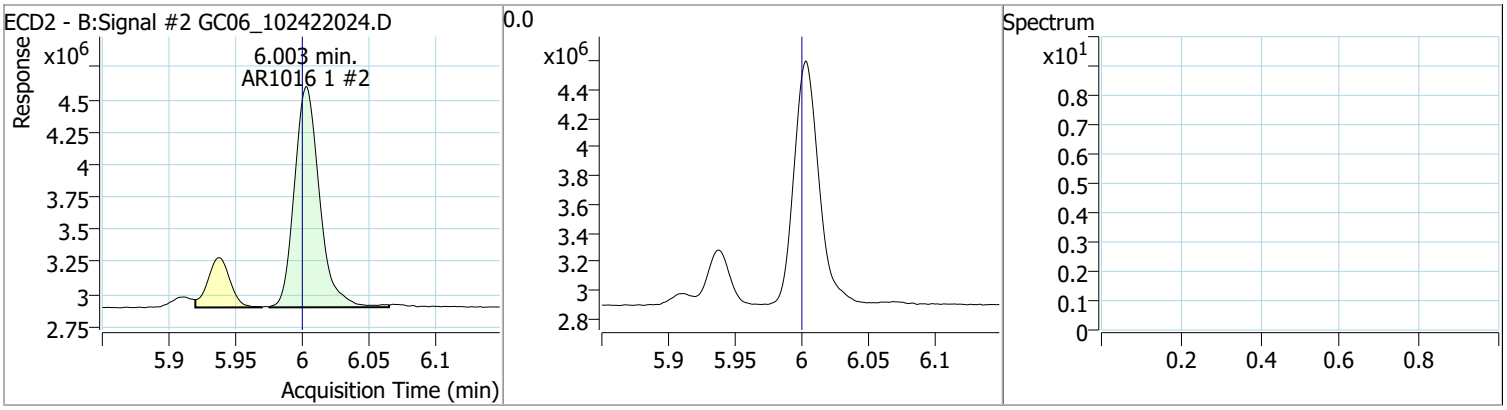
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.8363	5.50	0.00	6722893				



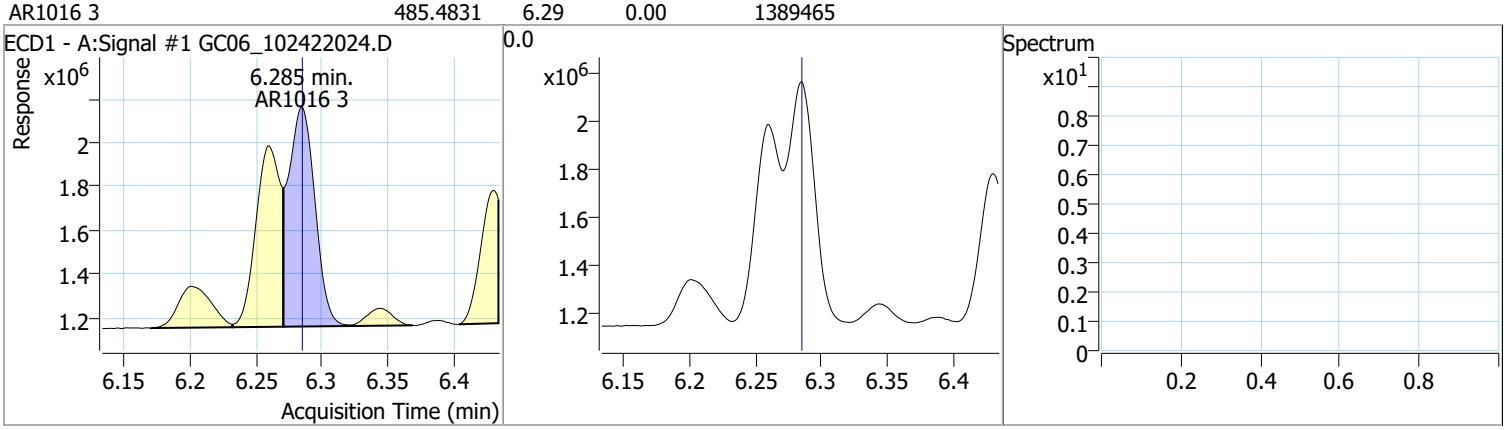
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.7354	5.80	0.00	1189862				



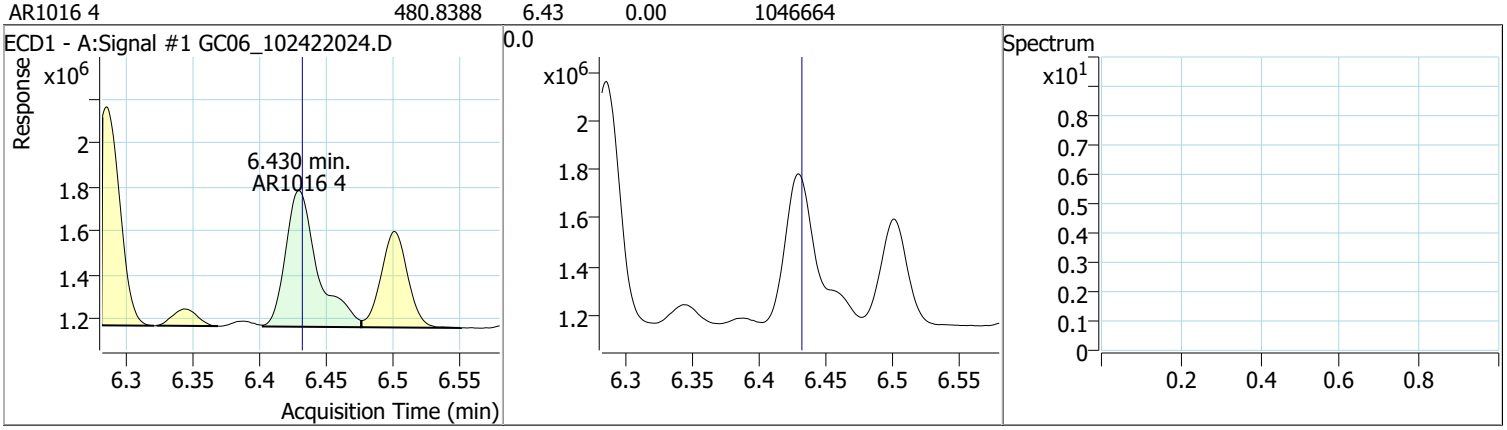
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	490.6896	6.00	0.00	2242477				



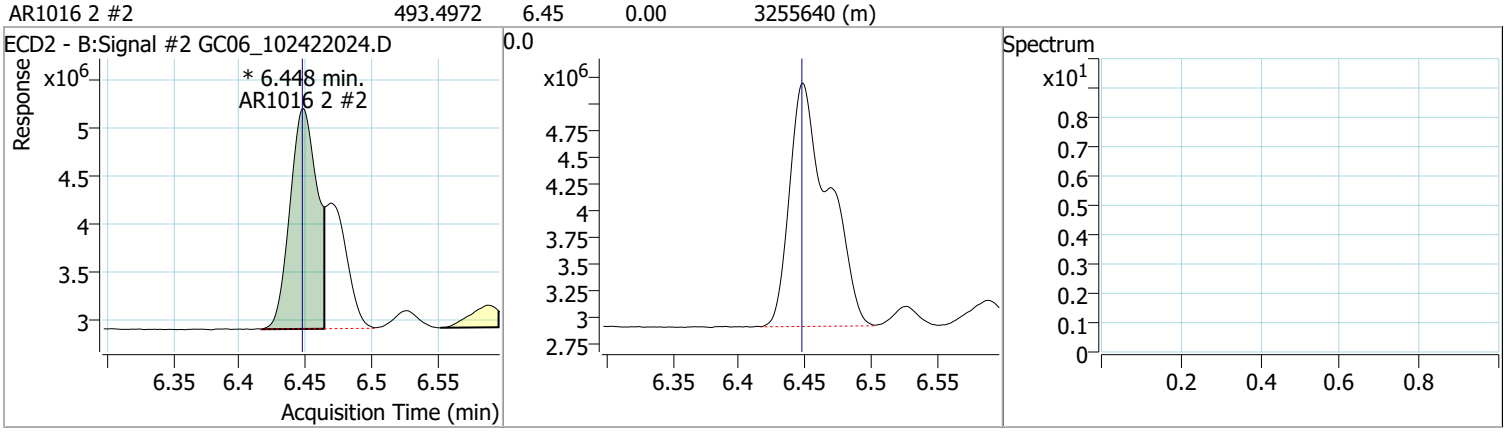
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	485.4831	6.29	0.00	1389465				



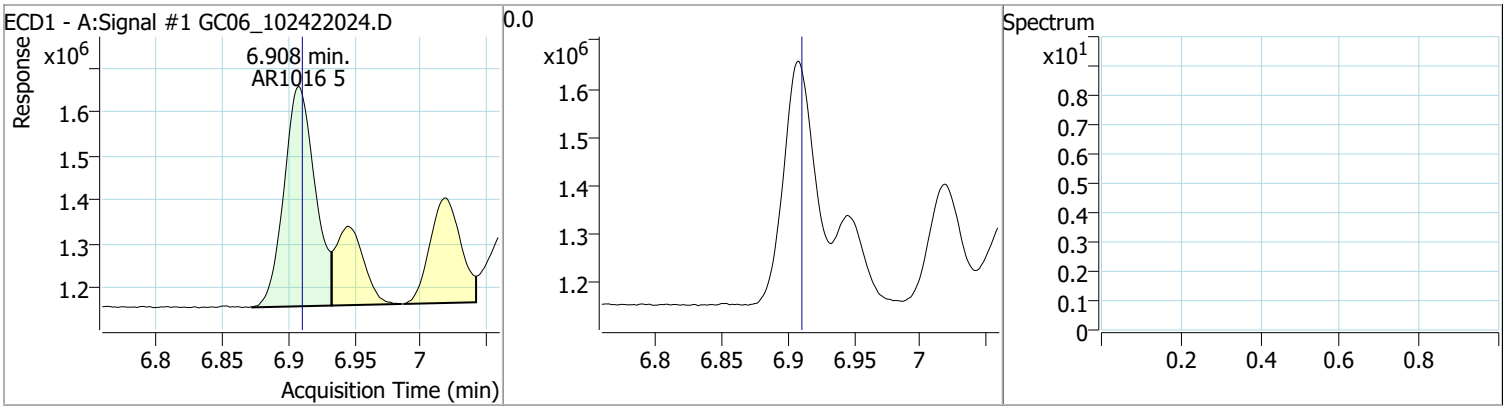
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8388	6.43	0.00	1046664				



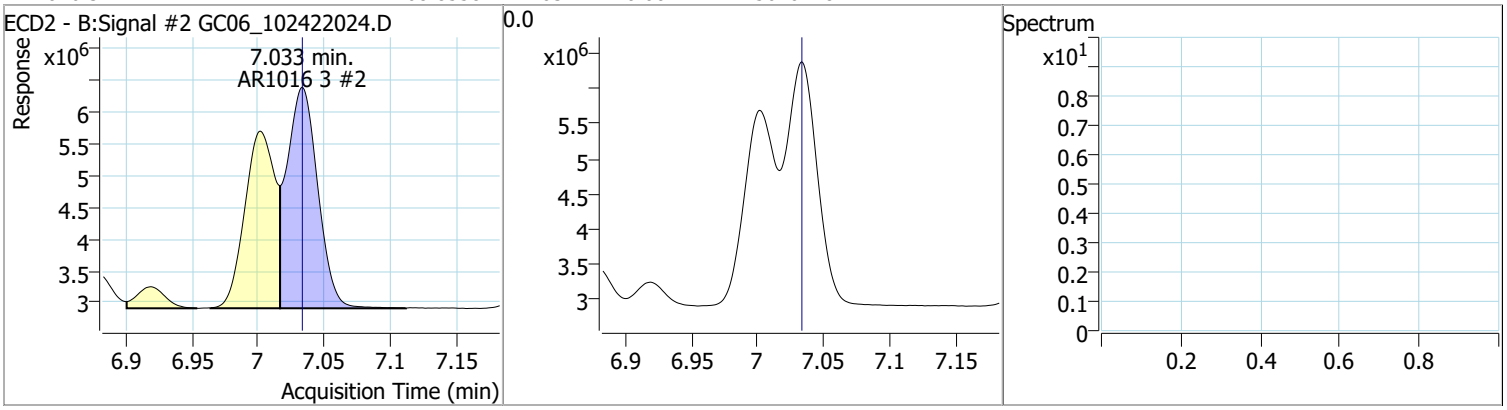
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	493.4972	6.45	0.00	3255640 (m)				



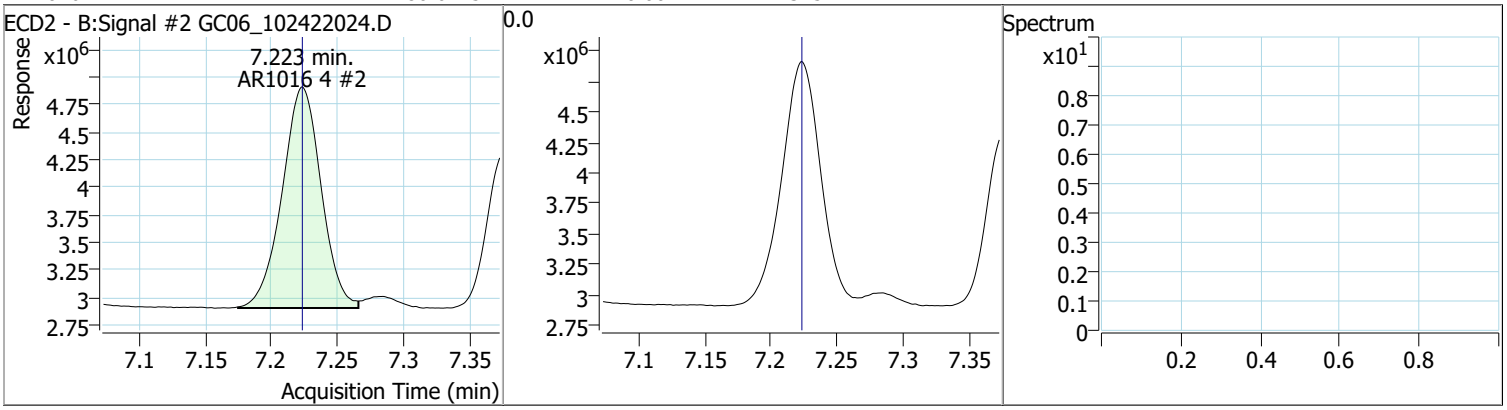
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	465.6509	6.91	0.00	816414				



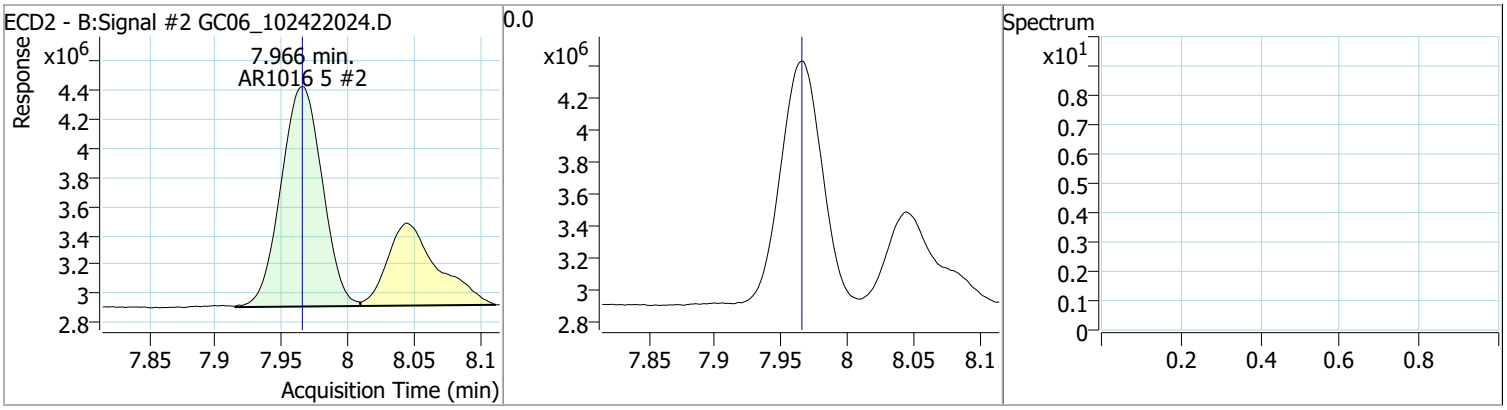
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	468.8558	7.03	0.00	5620148				



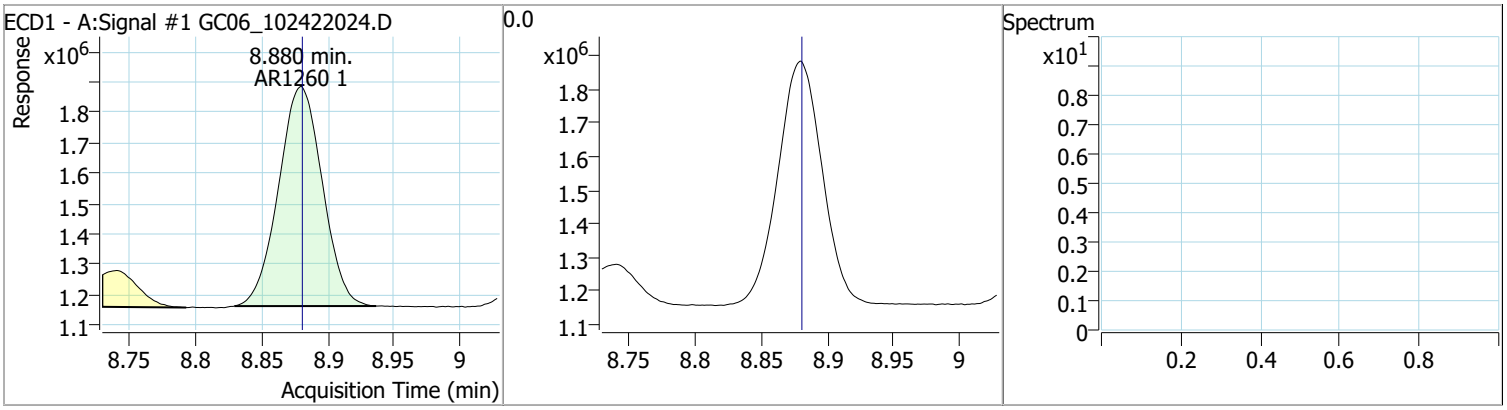
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.6445	7.22	0.00	4113157				



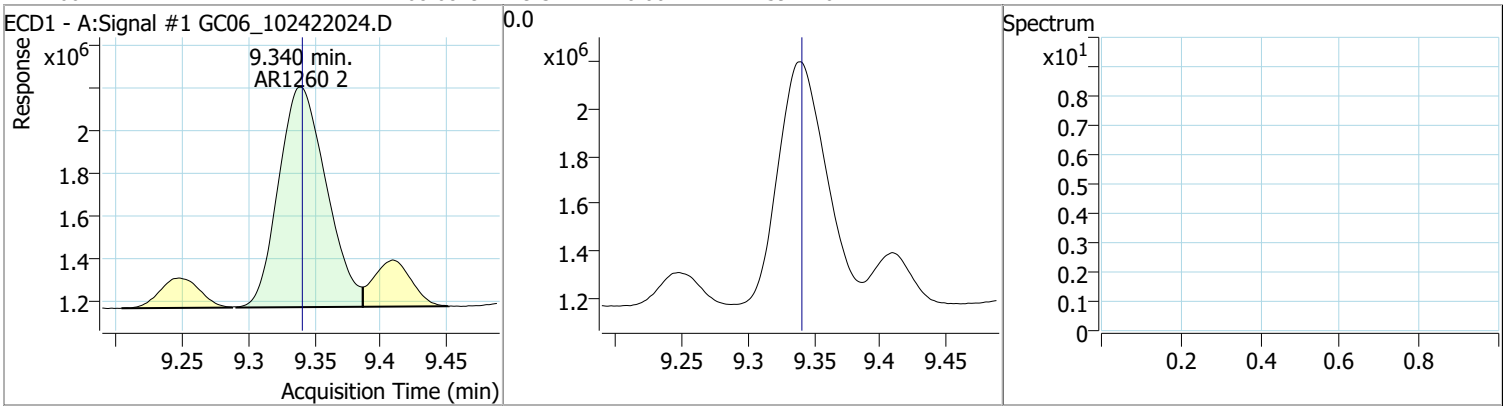
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	472.6461	7.97	0.00	3287720				



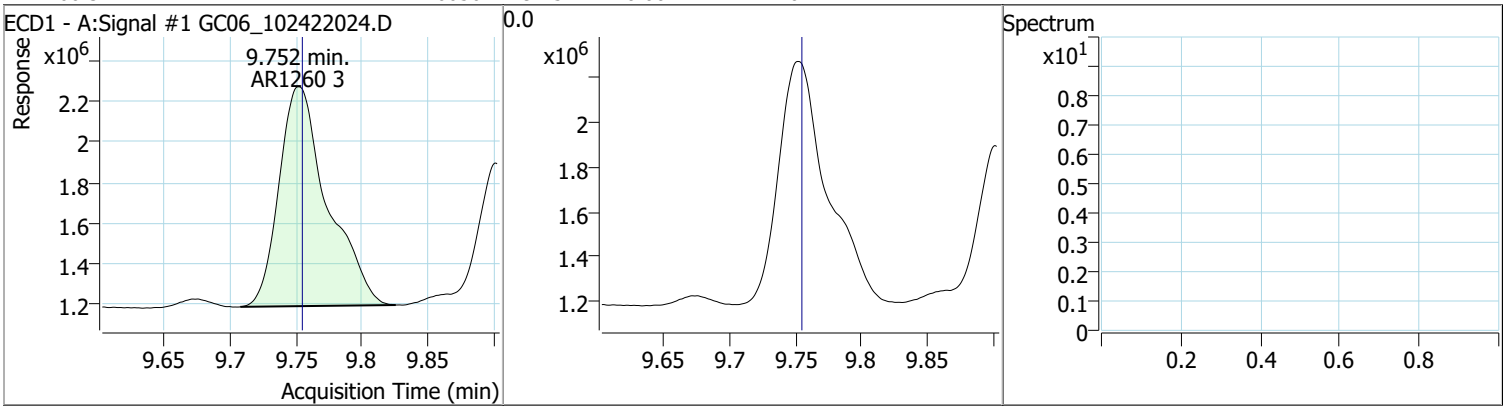
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.7841	8.88	0.00	1666464				



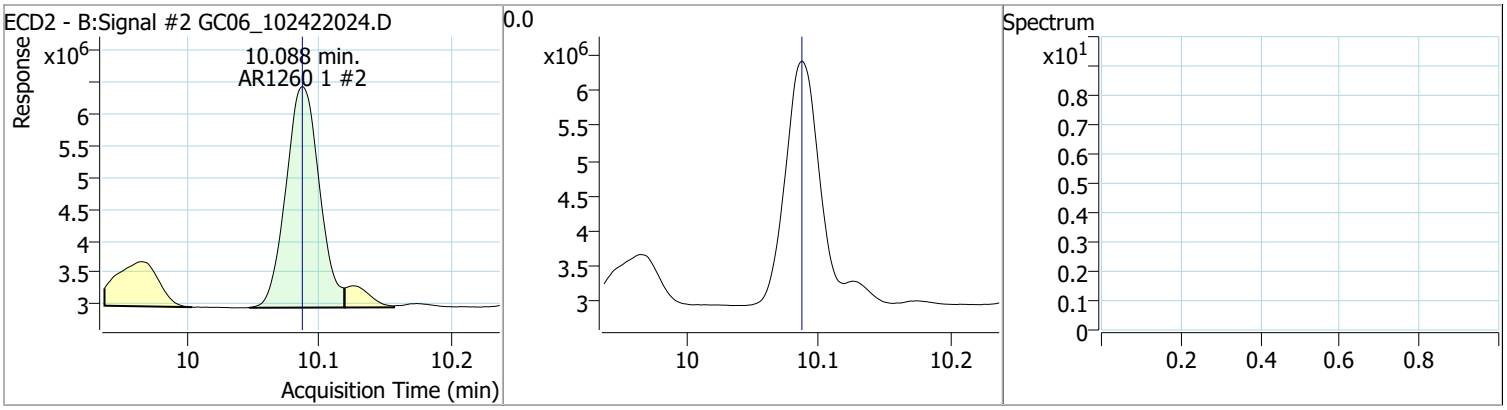
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	468.0849	9.34	0.00	2597140				



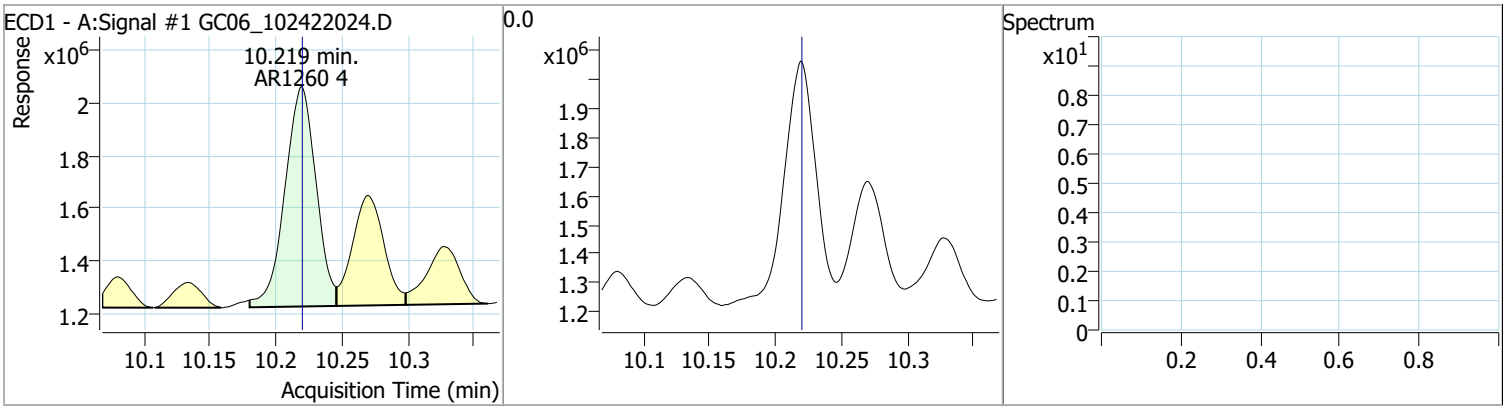
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	477.6656	9.75	0.00	2770141				



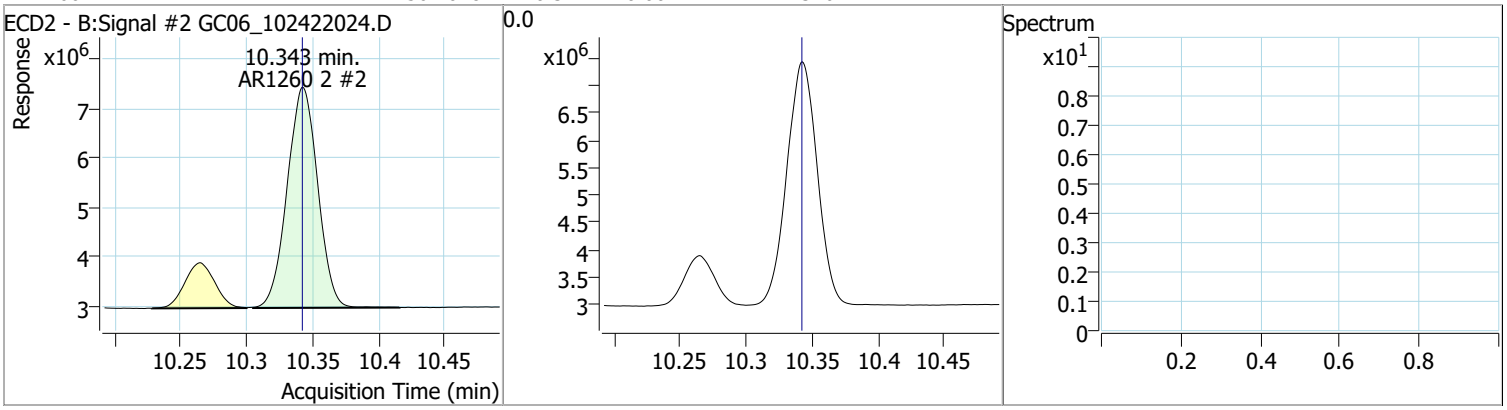
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	467.3543	10.09	0.00	6115734				



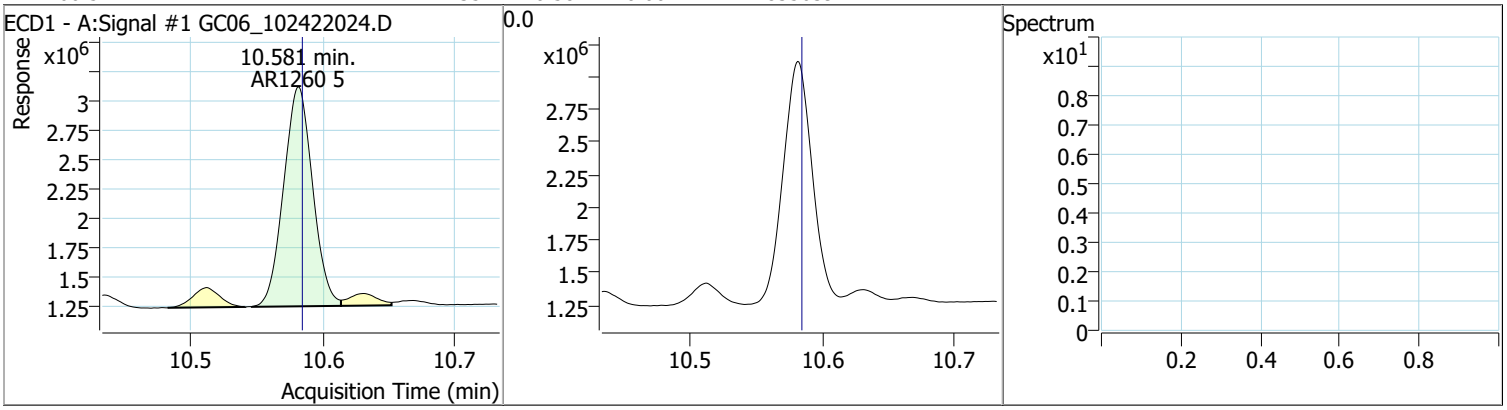
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	432.9684	10.22	0.00	1373501				



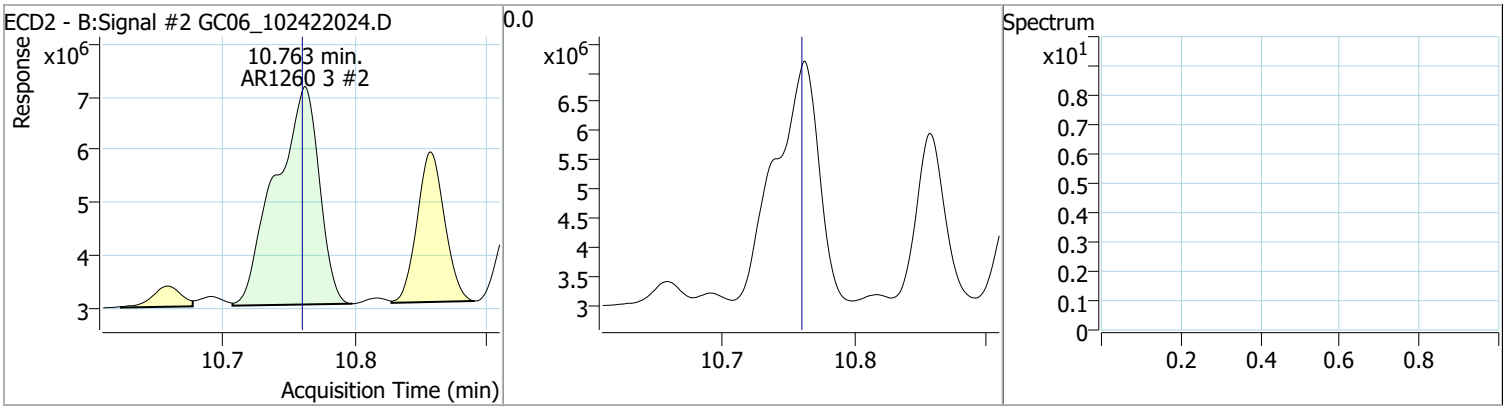
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1048	10.34	0.00	7171316				



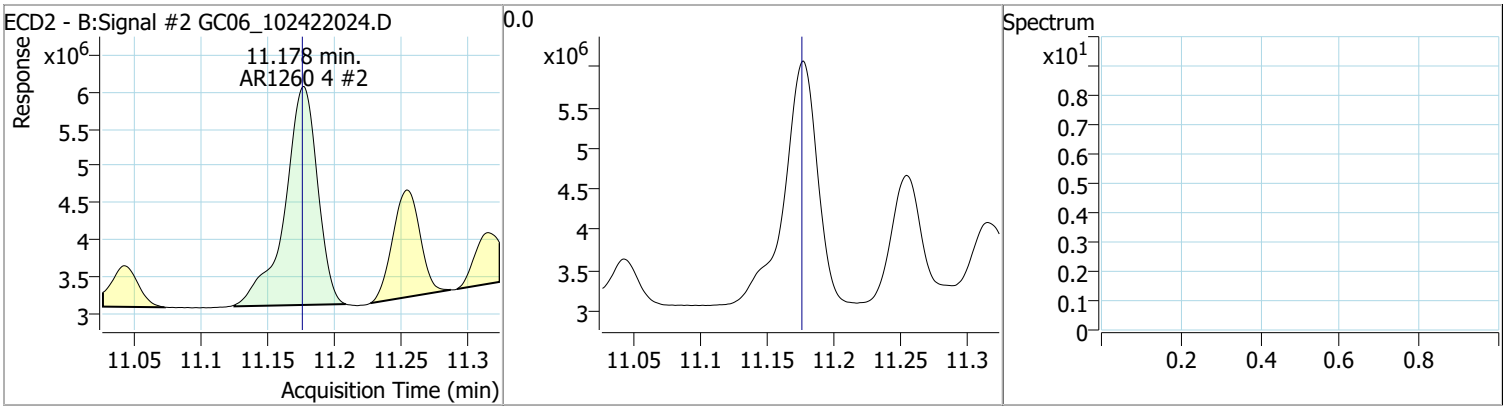
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	421.1135	10.58	0.00	2835639				



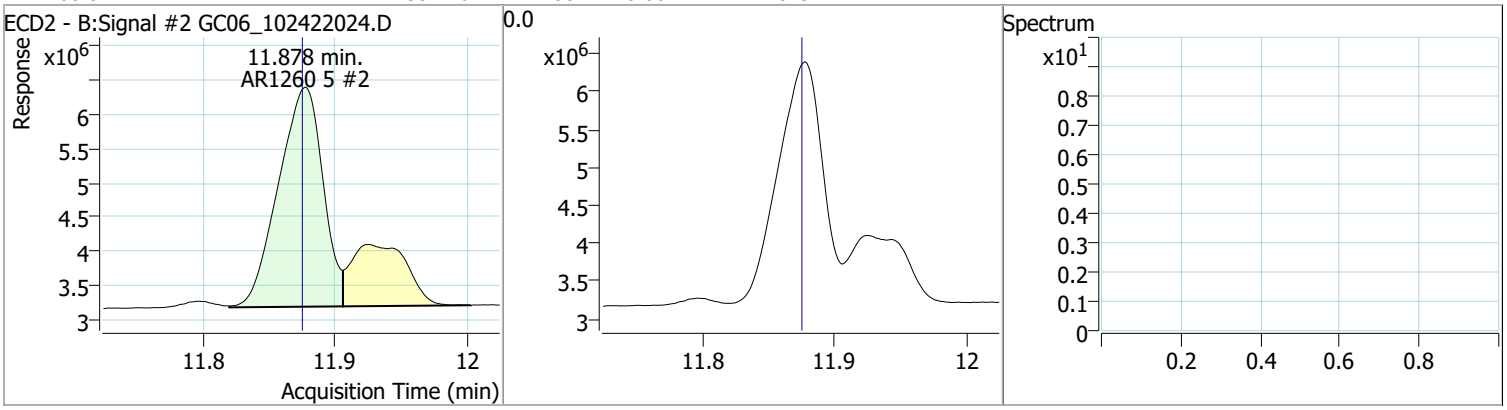
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	475.2419	10.76	0.00	9458174				



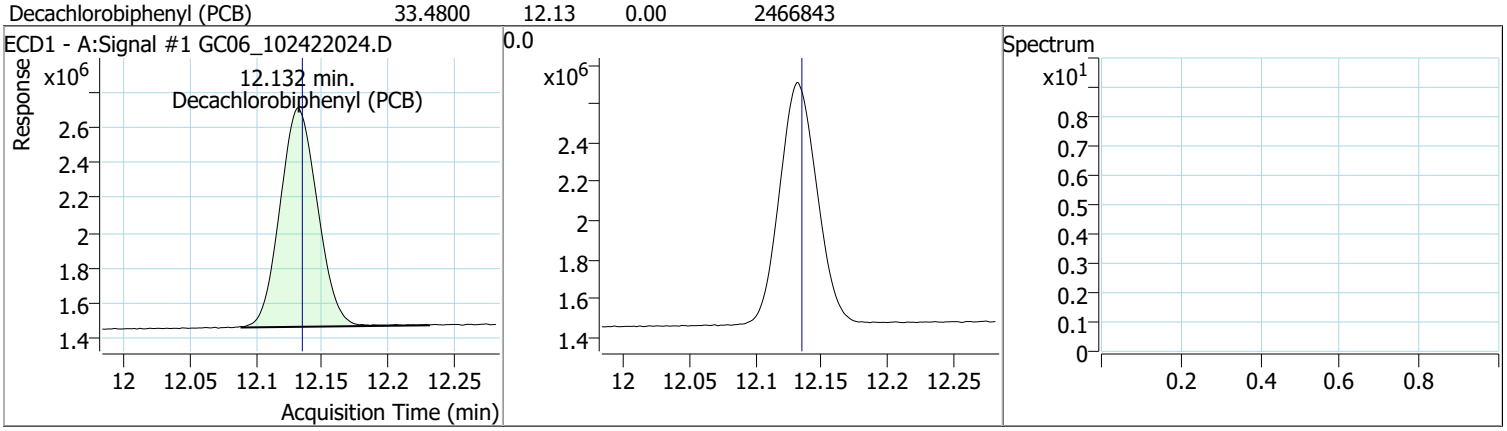
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	443.8244	11.18	0.00	5106289				



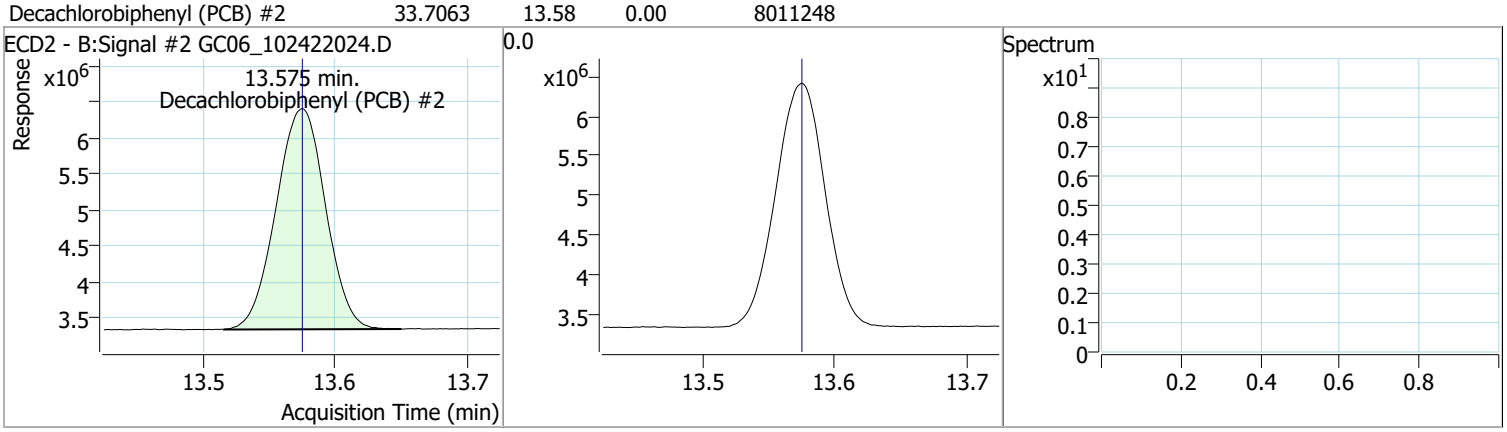
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	433.7764	11.88	0.00	7482914				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.4800	12.13	0.00	2466843				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.7063	13.58	0.00	8011248				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 475744 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452520427004.1	File:	gc06_122722004	Time:	27-DEC-2022 10:24
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	518.0	ug/L	4	15	0.0000	
Aroclor-1260	A			500.0	517.4	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4080	2.0389	40.00	62.96	ug/L	**57**	15	0.0000	c+
TCMX (PCB)	A	0.9616	0.9766	40.00	40.63	ug/L	2	15	0.0000	
Aroclor-1016	B			500.0	554.6	ug/L	11	15	0.0000	
Aroclor-1260	B			500.0	500.4	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.6043	40.00	60.97	ug/L	**52**	15	0.0000	c+
TCMX (PCB)	B	0.9605	0.9607	40.00	40.01	ug/L	0	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	6120897	38.67
1-bromo-2-nitrobenzene (PCB)	A	1096423	1313242	19.78

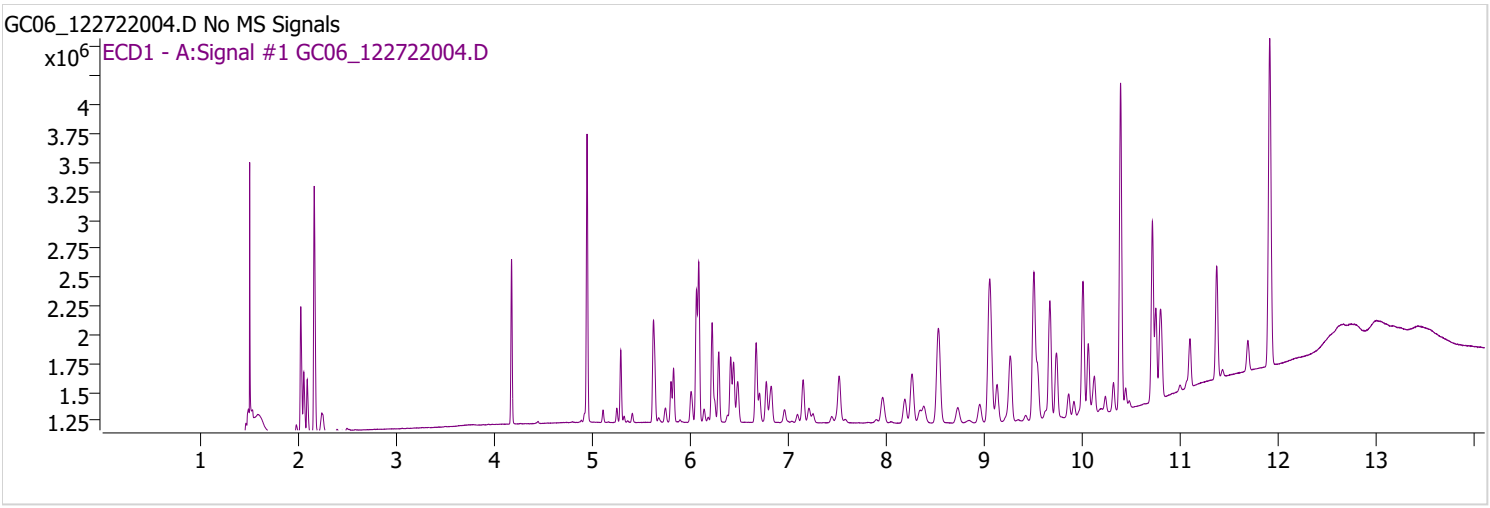
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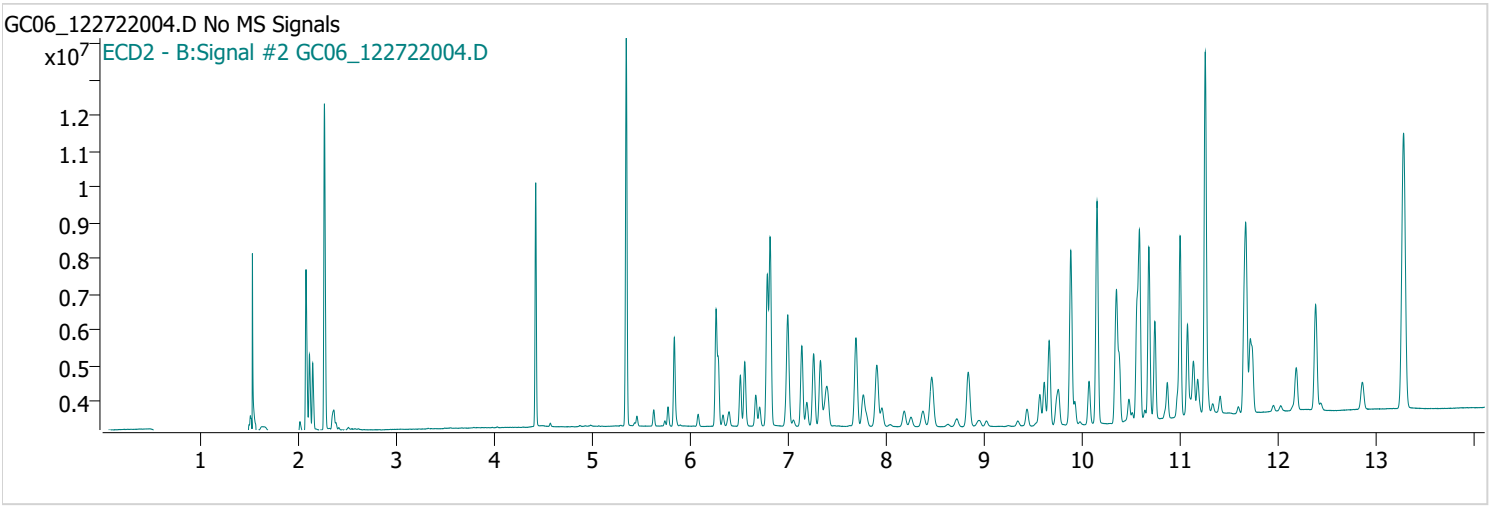
Analyst: MES 12/28/22 *

Reviewer: LW 12/30/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_122722004.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/27/2022 10:24:19 AM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_14a.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	122722PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



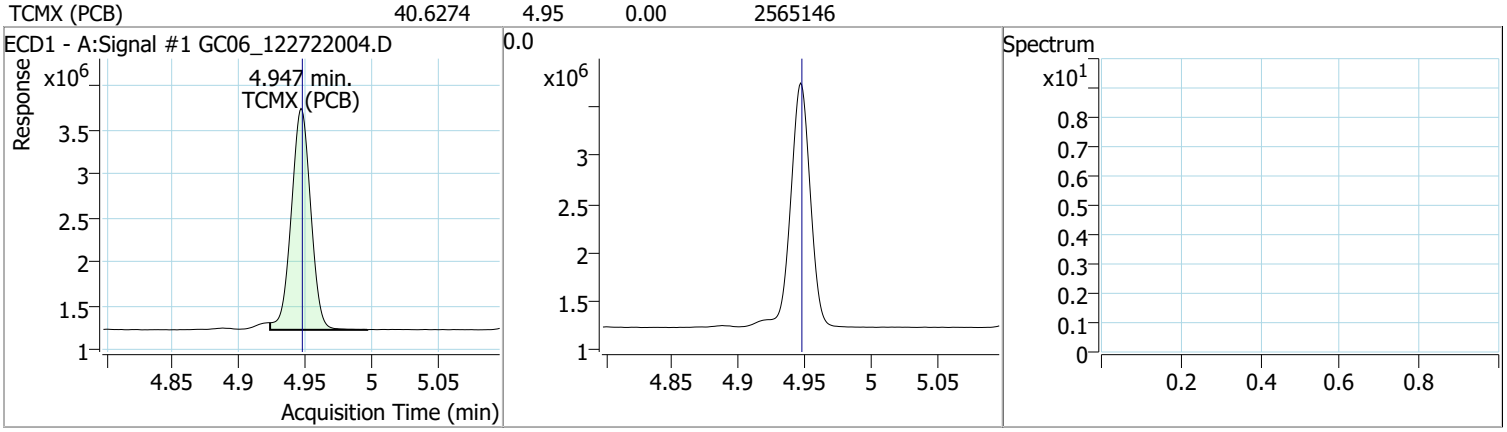


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.176	0.0	1313241.716	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.423	0.0	6120897.146	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.947	0.0	2565145.725	40.6274	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.14%		*	
S TCMX (PCB) #2	5.347	0.0	11760855.883	40.0093	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.05%		*	
S Decachlorobiphenyl (PCB)	11.916	0.0	5355229.060	62.9594	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 314.80%		*	
S Decachlorobiphenyl (PCB) #2	13.283	0.0	19638926.993	60.9671	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 304.84%		*	
Target Compounds							QValue

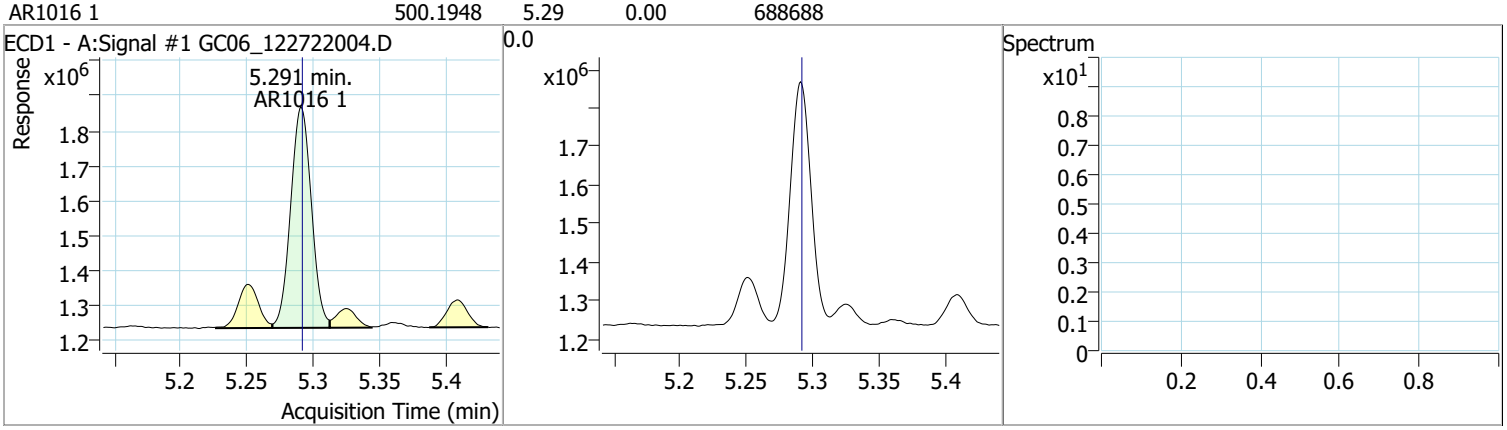
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.291	0.0	688687.965	500.1948	ng/ml	100
T AR1016 2	5.625	0.0	1495822.999	531.0028	ng/ml	100
T AR1016 1 #2	5.838	0.0	3177731.029	499.5191	ng/ml	100
T AR1016 3	6.087	0.0	1792601.888	513.5149	ng/ml	100
T AR1016 4	6.224	0.0	1393840.563	524.9864	ng/ml	100
T AR1016 2 #2	6.264	0.0	6768864.169	737.0895	ng/ml	100
T AR1016 5	6.673	0.0	1112760.657	520.3490	ng/ml	100
T AR1016 3 #2	6.815	0.0	8348042.302	500.3020	ng/ml	100
T AR1016 4 #2	6.996	0.0	6086844.109	510.9718	ng/ml	100
T AR1016 5 #2	7.692	0.0	5082603.958	524.9084	ng/ml	100
T AR1260 1	8.533	0.0	2236181.262	503.6334	ng/ml	100
T AR1260 2	9.058	0.0	3366939.058	497.5163	ng/ml	100
T AR1260 3	9.509	0.0	3100949.866	438.3891	ng/ml	100
T AR1260 1 #2	9.885	0.0	9004129.748	494.3056	ng/ml	100
T AR1260 4	10.010	0.0	2185528.896	569.5444	ng/ml	100
T AR1260 2 #2	10.153	0.0	10667639.159	487.4052	ng/ml	100
T AR1260 5	10.393	0.0	4693843.306	577.9683	ng/ml	100
T AR1260 3 #2	10.586	0.0	13103723.007	472.9969	ng/ml	100
T AR1260 4 #2	11.001	0.0	8167124.123	513.4784	ng/ml	100
T AR1260 5 #2	11.671	0.0	12721421.270	533.8985	ng/ml	100

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

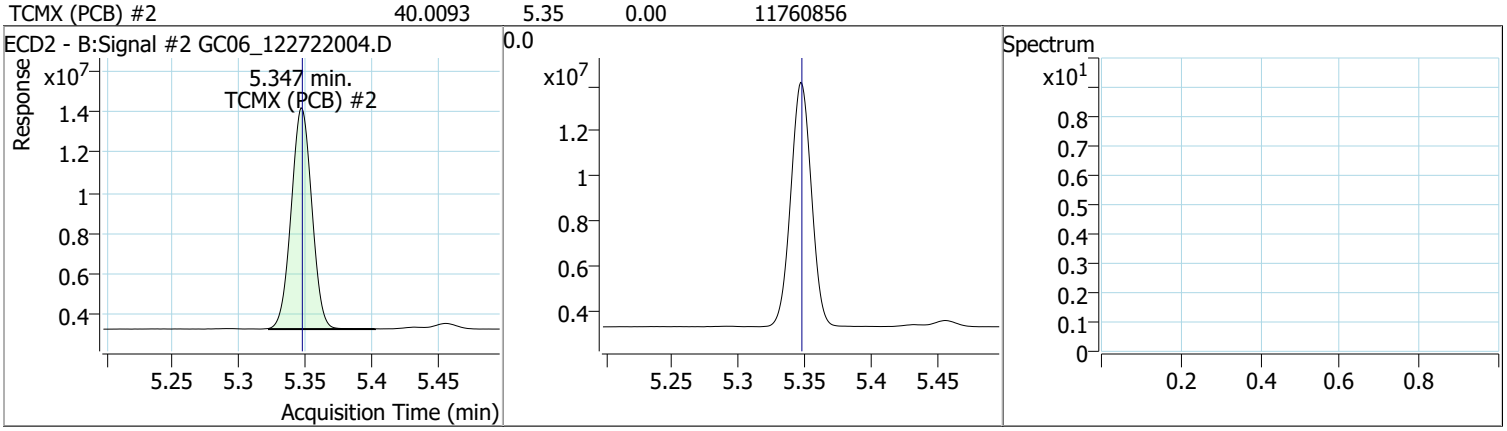
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6274	4.95	0.00	2565146				



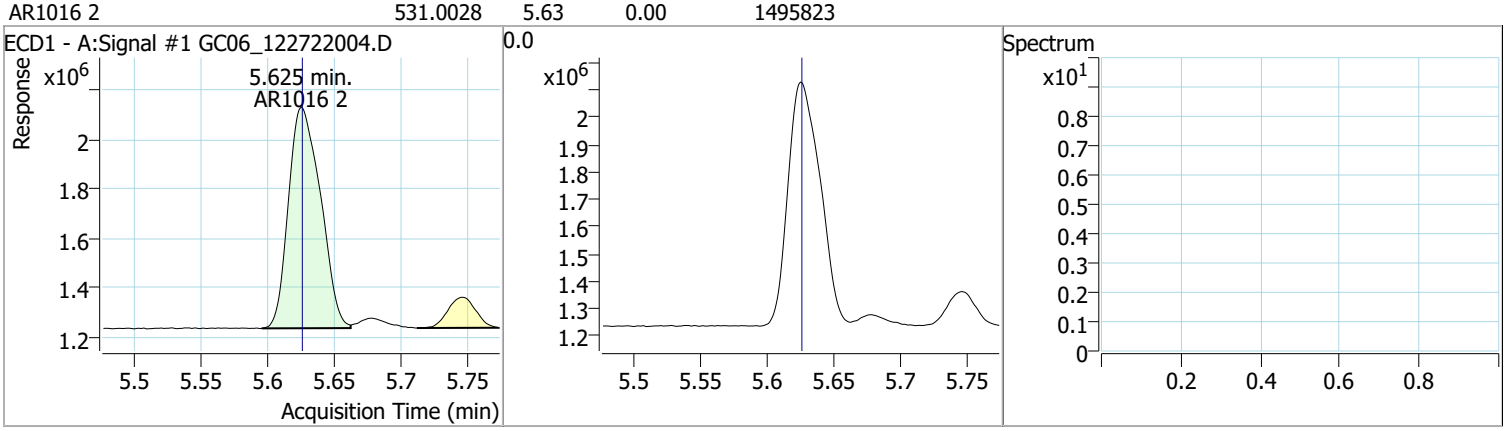
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	500.1948	5.29	0.00	688688				



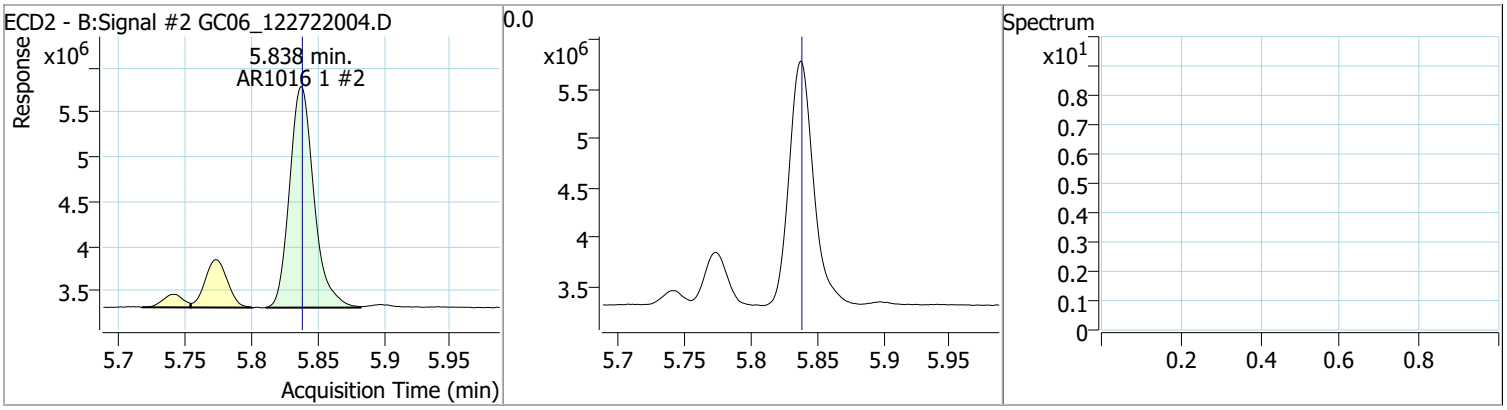
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.0093	5.35	0.00	11760856				



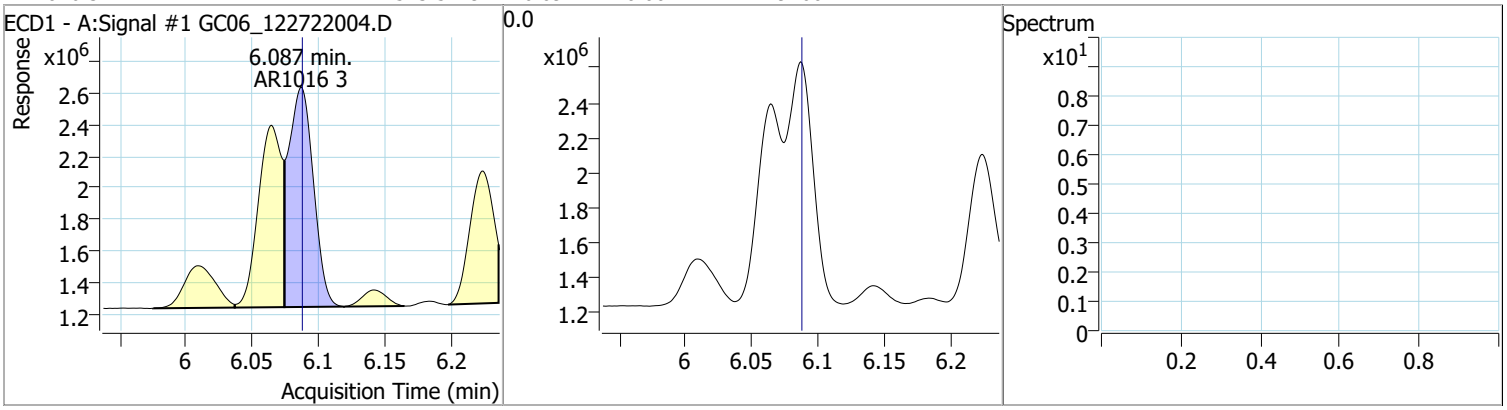
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	531.0028	5.63	0.00	1495823				



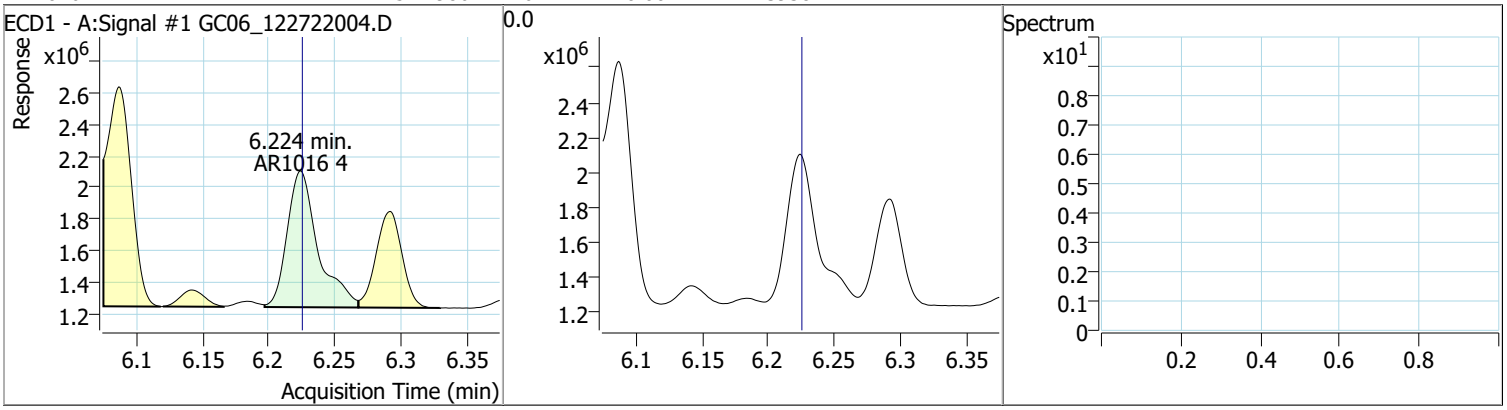
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	499.5191	5.84	0.00	3177731				



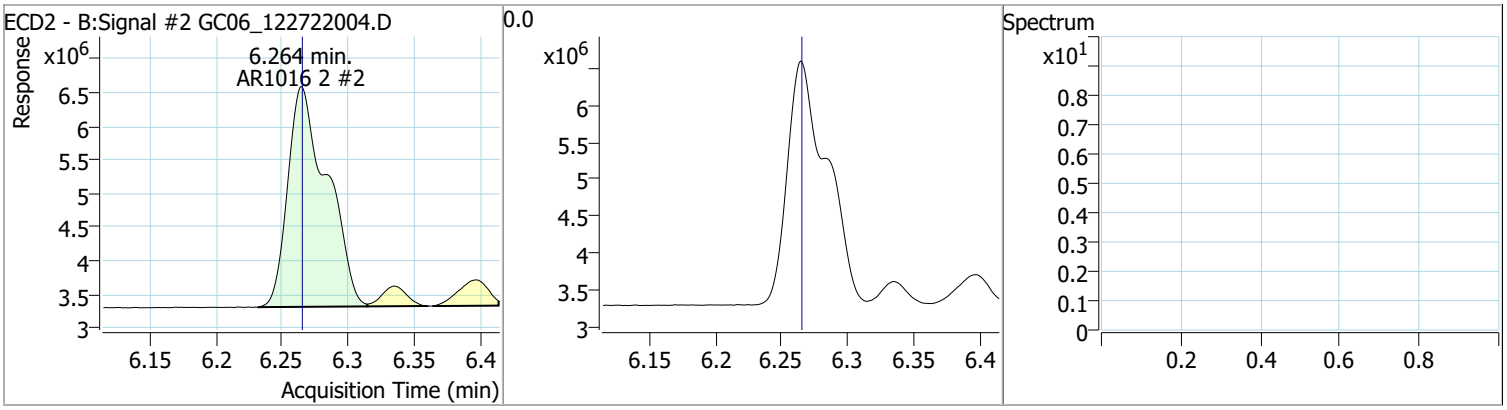
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	513.5149	6.09	0.00	1792602				



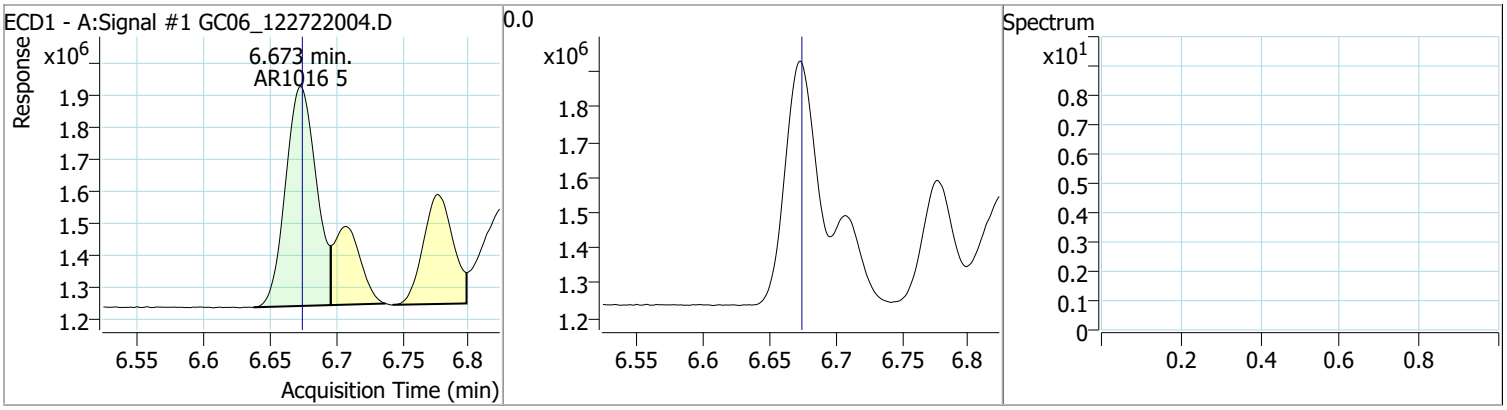
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	524.9864	6.22	0.00	1393841				



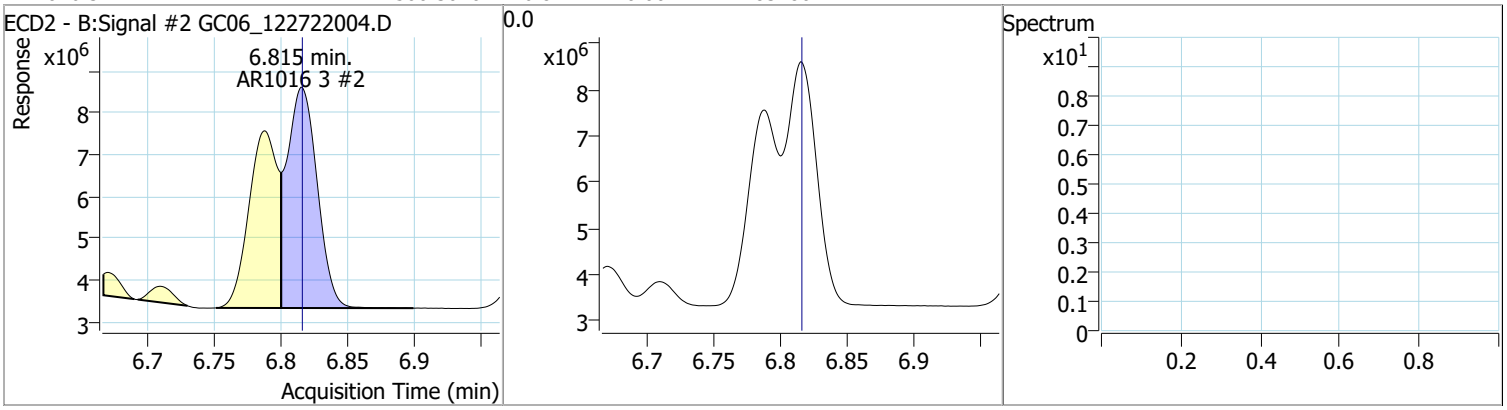
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	737.0895	6.26	0.00	6768864				



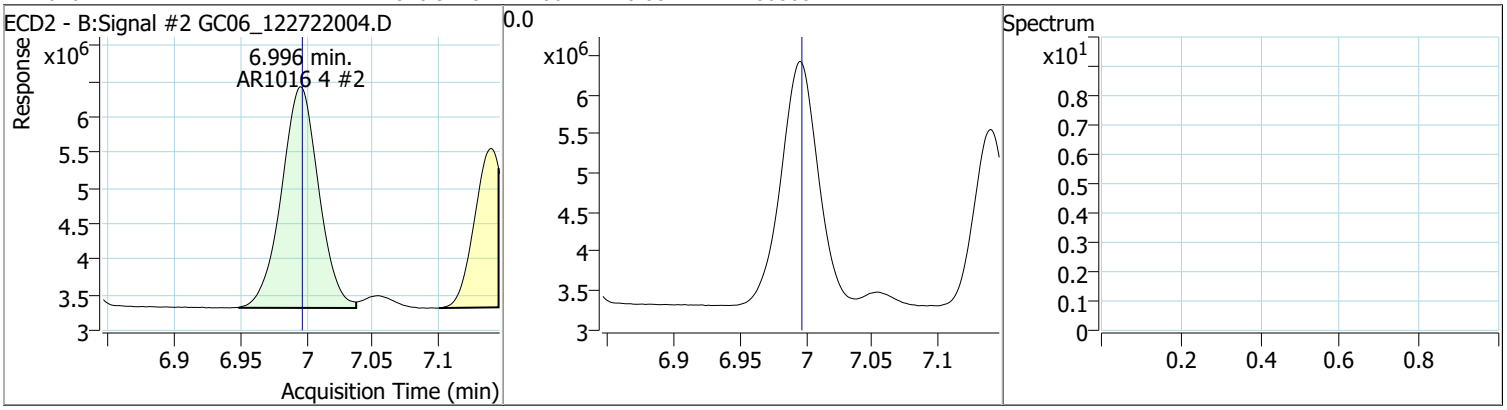
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	520.3490	6.67	0.00	1112761				



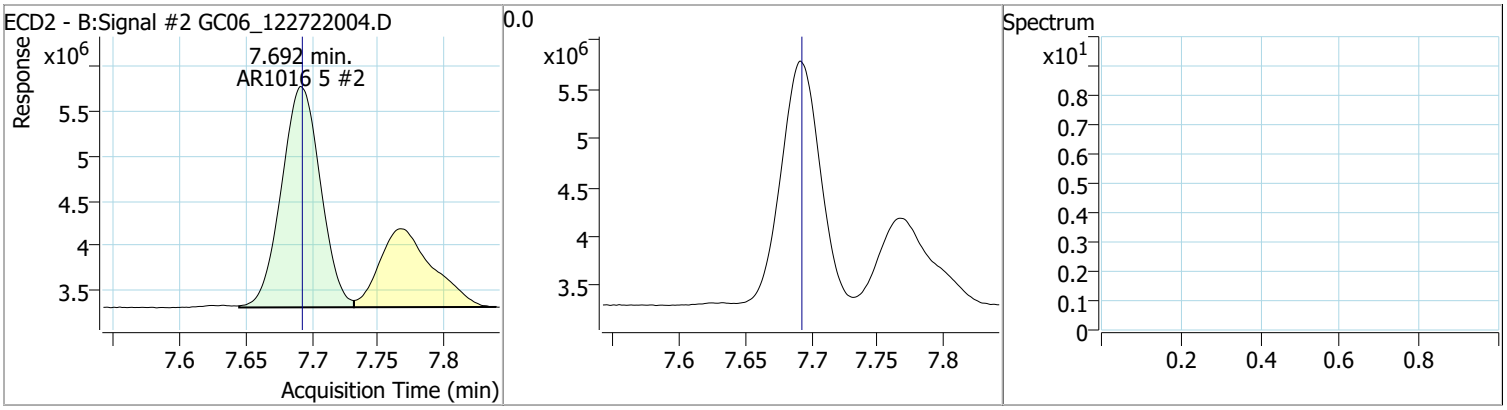
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	500.3020	6.82	0.00	8348042				



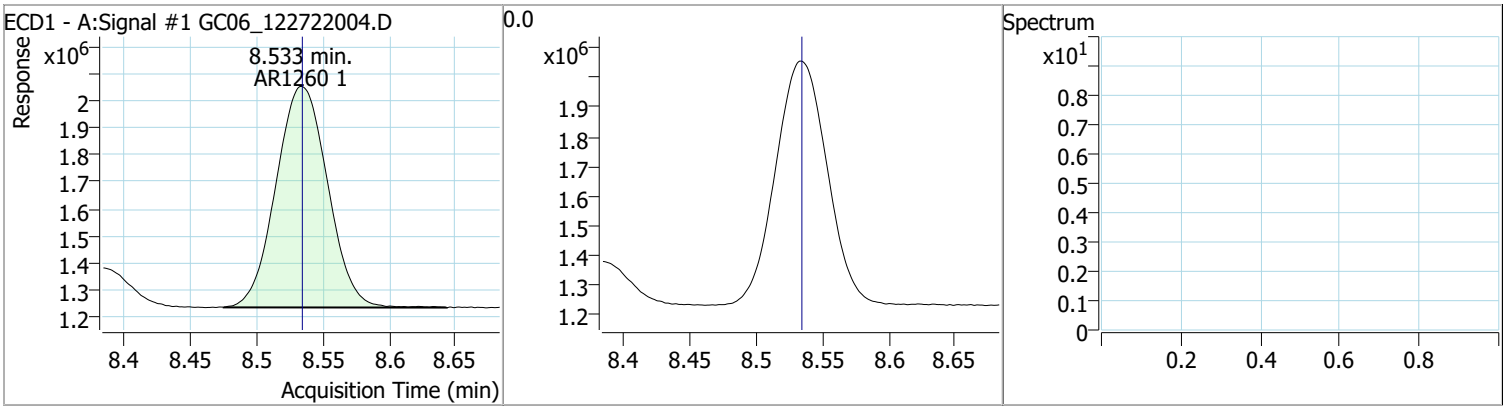
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	510.9718	7.00	0.00	6086844				



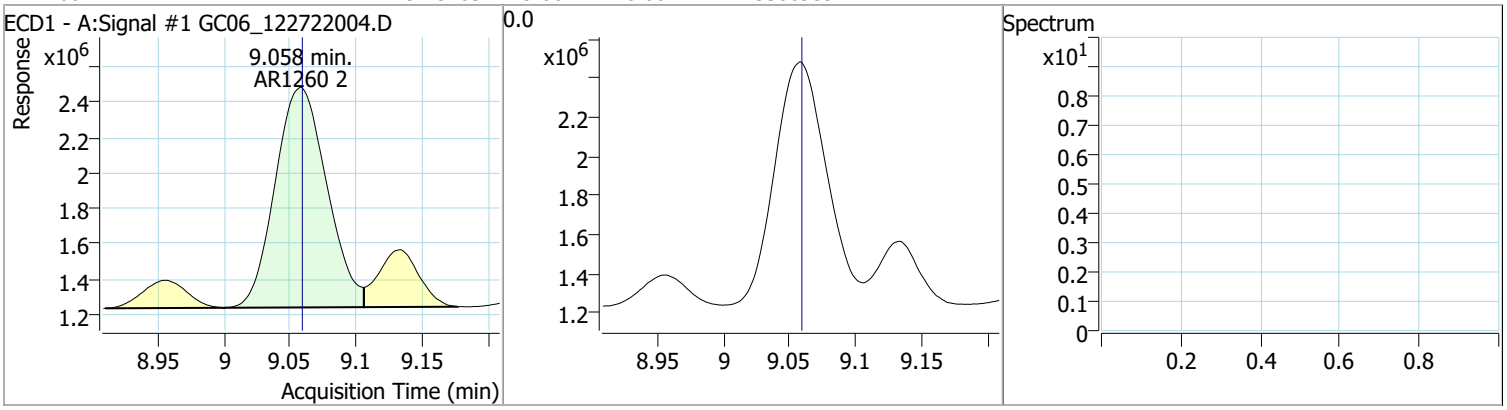
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.9084	7.69	0.00	5082604				



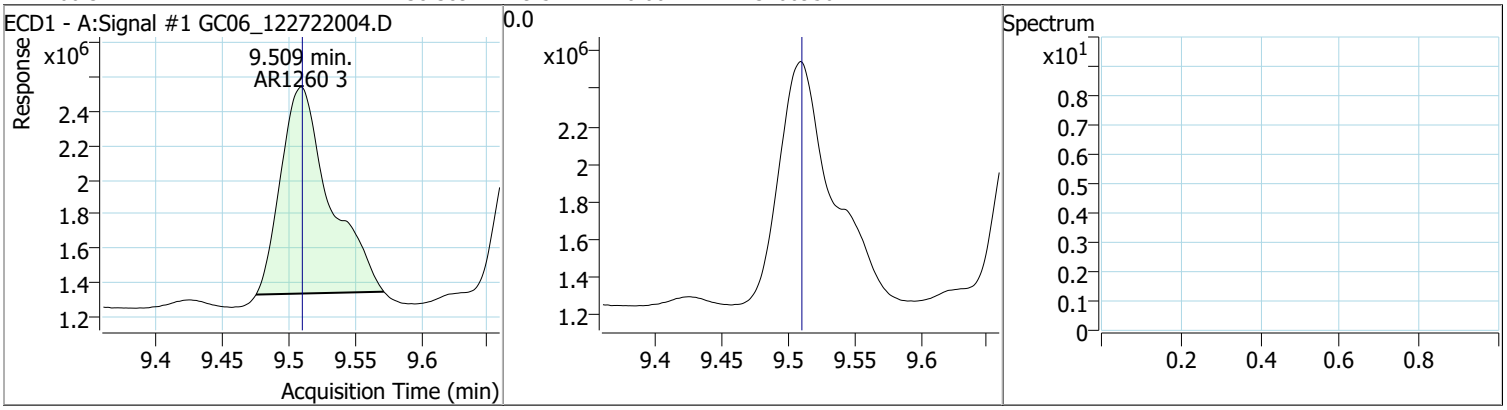
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	503.6334	8.53	0.00	2236181				



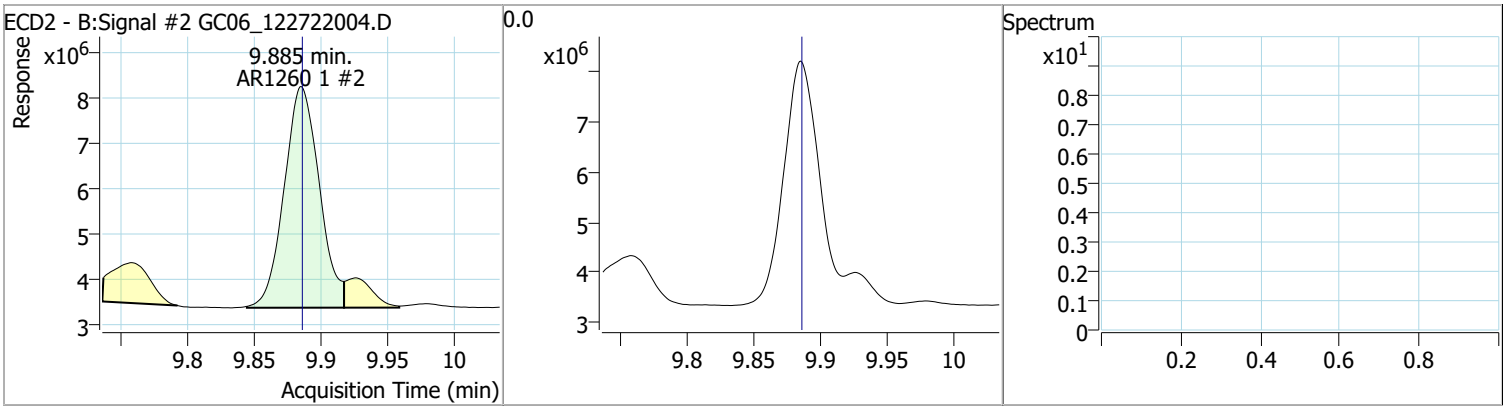
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	497.5163	9.06	0.00	3366939				



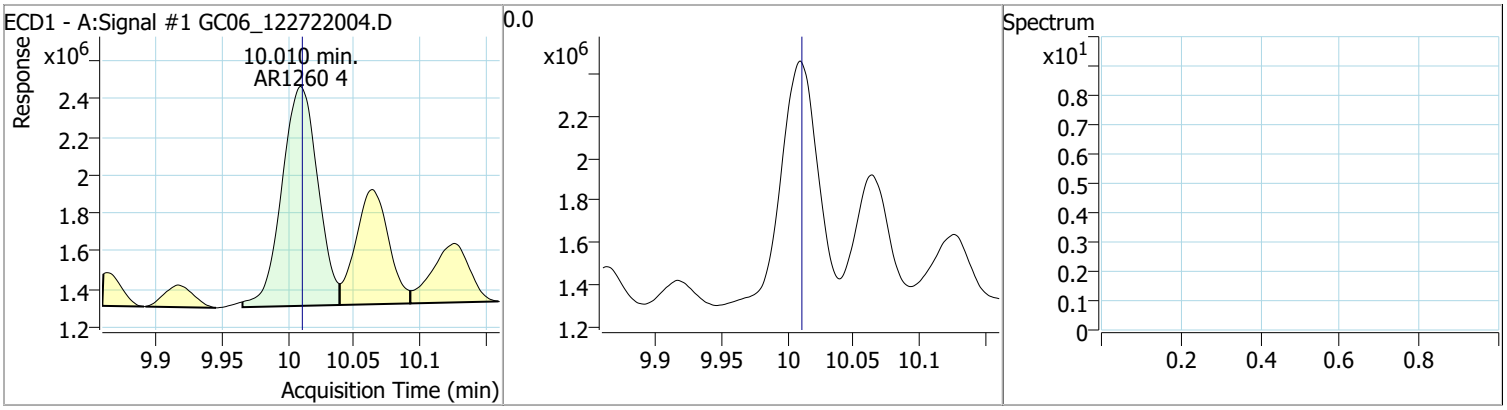
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	438.3891	9.51	0.00	3100950				



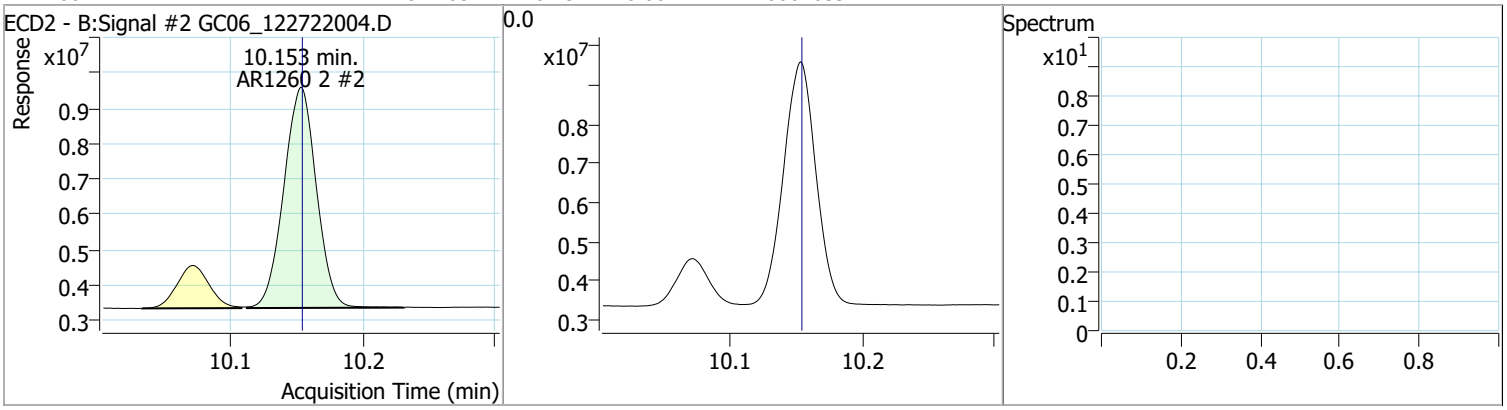
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	494.3056	9.89	0.00	9004130				



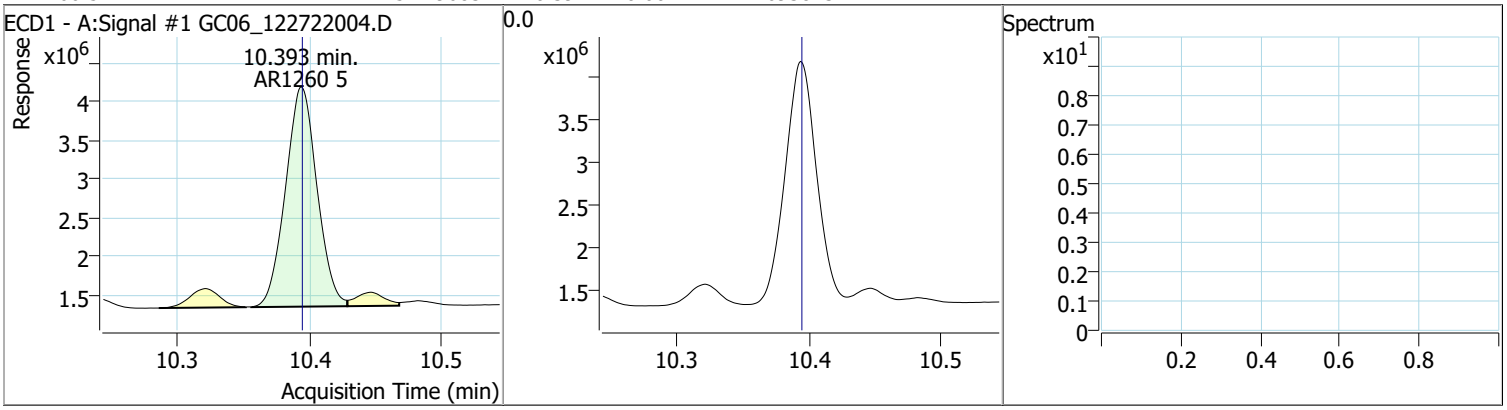
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	569.5444	10.01	0.00	2185529				



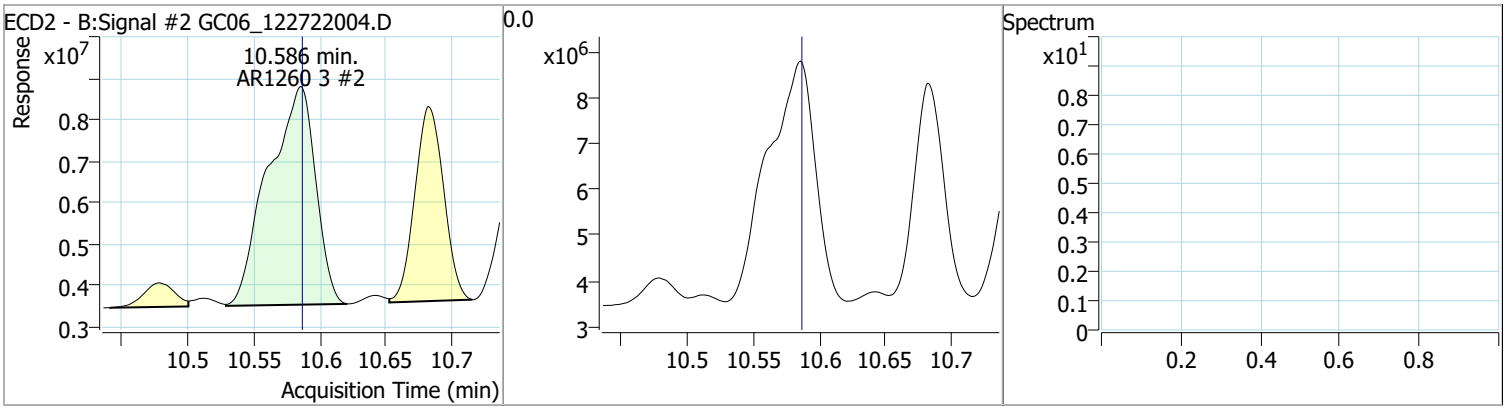
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	487.4052	10.15	0.00	10667639				



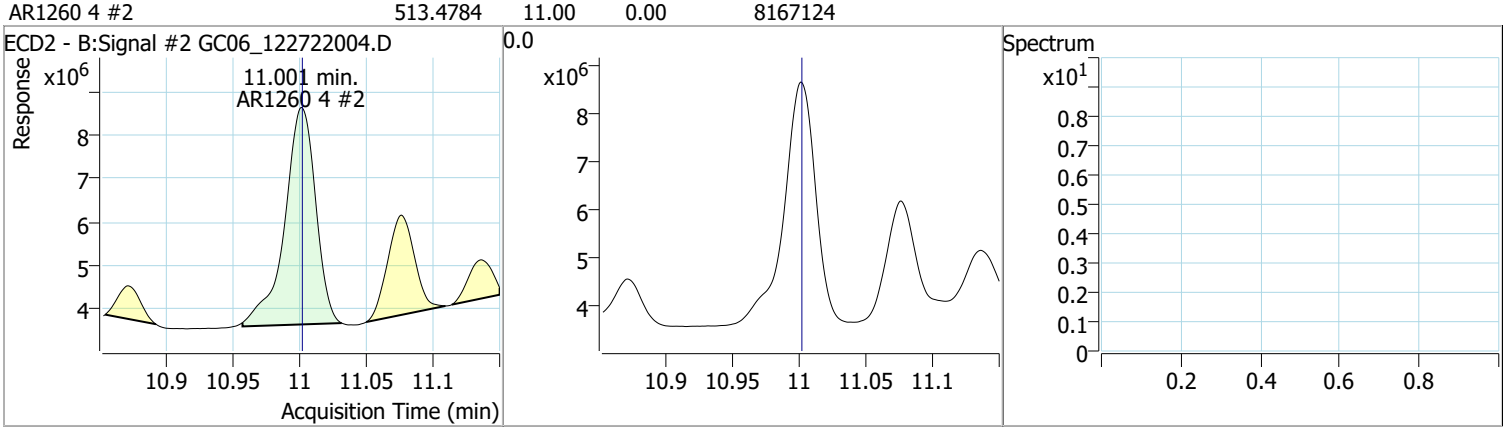
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	577.9683	10.39	0.00	4693843				



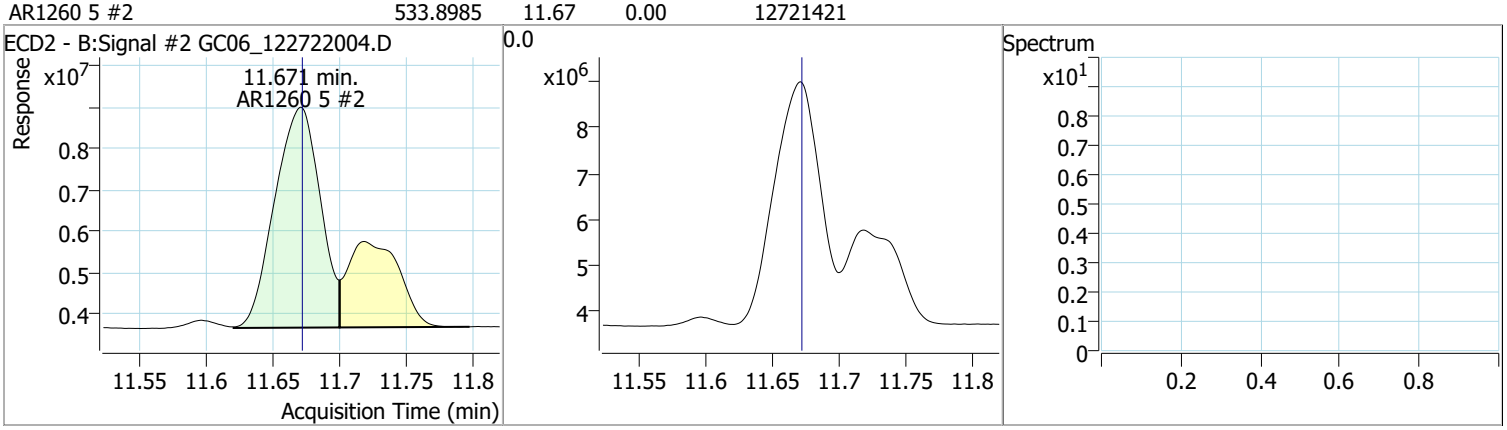
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	472.9969	10.59	0.00	13103723				



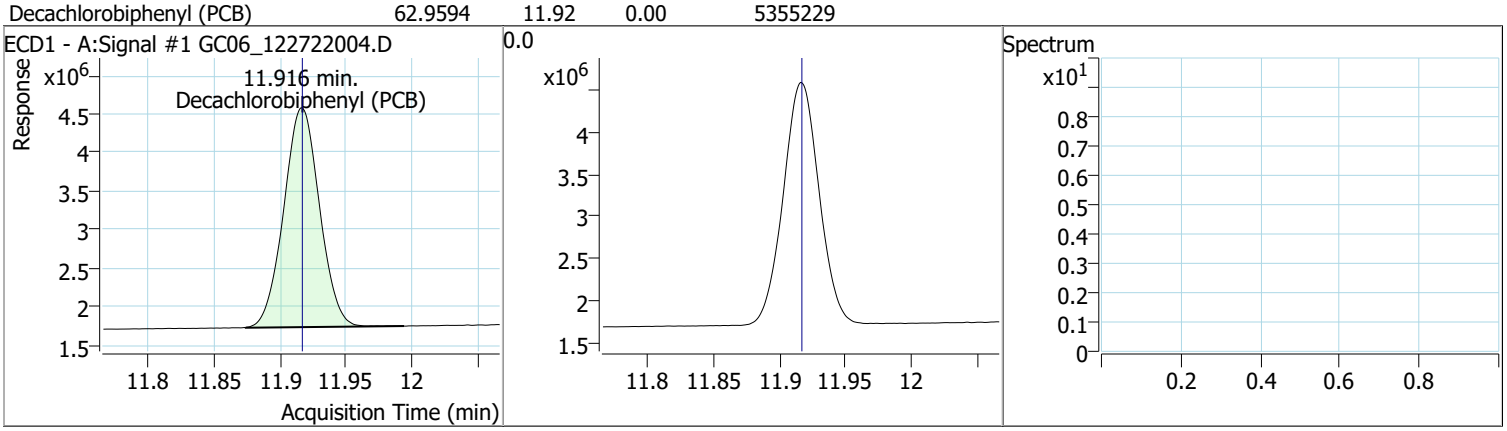
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	513.4784	11.00	0.00	8167124				



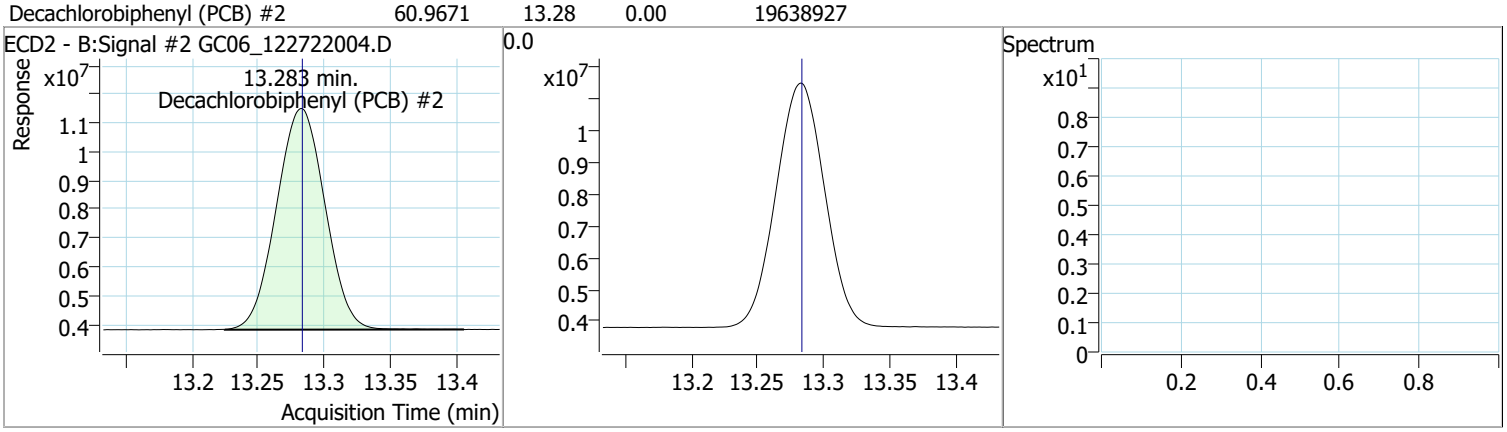
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	533.8985	11.67	0.00	12721421				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	62.9594	11.92	0.00	5355229				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	60.9671	13.28	0.00	19638927				



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

enthalpy.com

Lab Job Number: 475744
Report Level: IV
Report Date: 12/30/2022

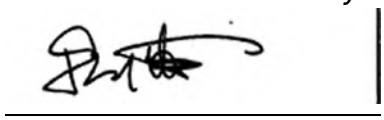
Metals

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	475744
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	12/21/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA	475744-002	12/21/22 13:25	Wipe
AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB	475744-004	12/21/22 13:40	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 475744 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/21/22

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 12/22/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

Chain of Custody

475744

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 12

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B								HOLD	Test Instructions / Comments
1	~~AFRAME-C5W-LAT-L3-UP-C5.1-HS-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X										DW
2	~~AFRAME-C5W-LAT-L3-UP-C5.1-HS-2212 -P DUP~~	~~12/21/2022~~		~~WP~~	~~1~~		X										DW
3	~~AFRAME-C5W-LAT-L3-UP-C5.1-HS-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X									DW
4	~~AFRAME-C4W-LAT-L3-EXT-1 TO 2-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X										DW
5	~~AFRAME-C4W-LAT-L3-EXT-1 TO 2-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X									DW
6	~~AFRAME-C5W-MED-L3-UP-C3.4-VS-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X										DW
7	~~AFRAME-C5W-MED-L3-UP-C5.4-VS-2212 -P-DUP-~~	~~12/21/2022~~		~~WP~~	~~1~~		X										DW
8	~~AFRAME-C3W-MED-L3-UP-C3.4-VS-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X									DW
9	~~AFRAME-C3W-MED-L3-EXT-1 TO 2-2212 -P-~~	~~12/21/2022~~		~~WP~~	~~1~~		X										DW
10	~~AFRAME-C3W-MED-L3-EXT-1 TO 2-2212 -L-~~	~~12/21/2022~~		~~WP~~	~~1~~			X									DW
11	~~AFRAME-C3W-MED-L3-EXT-1 TO 2-2212 -L DUP~~	~~12/21/2022~~		~~WP~~	~~1~~			X									DW
12	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA	12/21/22	1325	WP	1		X										
13		—	—	—	—	—											
14	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA	12/21/22	1325	WP	1	—		X									2x Riv Type 2 = 0.02 ft²
15		—	—	—	—	—											

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	12/21/22 1435
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/21/22 14:38
2 Relinquished By:	Audrey Hudson	"	"	12/21/22 17:00
2 Received By:		Maryni M Kim		12/21/22 17:00
3 Relinquished By:		Ian Peterson	Enthalpy	12.21.22 17:17
3 Received By:	Elena Sylvestri	Elena Sylvestri	EA.	12/22/22 10:00

475744

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B								HOLD	Test Instructions / Comments
1	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB	12/21/2022	1340	WP	1		X										**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 3 Enclosure C/D
2	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB	12/21/2022	1340	WP	1			X									
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants, Inc.	12/21/22 1435
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	12/21/22 14:38
[2] Relinquished By:	Audrey Hudson	"	"	12/21/22 17:00
[2] Received By:			BN	12/22/22 10:00
[3] Relinquished By:				
[3] Received By:	Geena Sylvestre	Geena Sylvestre	EA.	12/22/22 10:00

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

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 475744 Client: Rincon

Date Received: 122122 Project: _____

Section 2: Shipping info (if applicable) _____

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

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

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

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

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

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

If in cooler: Date Opened 12.21.22 By (print) Jak Peterson (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

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

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 12.21.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 12.21.22 **By (print)** Jak Peterson **(sign)** _____

Enthalpy Analytical - Berkeley Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 - NCTRA WP

Date Received: 12/22/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.1 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

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

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: [signature] Date: DEC 22 2022

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 475744 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA **Batch#:** 303908 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 12/21/22 **Analysis:** EPA 6010B

Lab ID: 475744-002 **Received:** 12/21/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 12/23/22

Diln Fac: 1.000 **Analyzed:** 12/23/22

475744-002 Analyte	Result	RL	Units	Qual
Lead	**630**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB **Batch#:** 303908 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 12/21/22 **Analysis:** EPA 6010B

Lab ID: 475744-004 **Received:** 12/21/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 12/23/22

Diln Fac: 1.000 **Analyzed:** 12/23/22

475744-004 Analyte	Result	RL	Units	Qual
Lead	**180**	0.25	ug/ft2	b

Type: BLANK **Batch#:** 303908 **Analysis:** EPA 6010B

Lab ID: QC1034212 **Prepared:** 12/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 12/23/22

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

QC1034212 Analyte	Result	RL	Units	Qual
Lead	ND	0.25	ug/ft2	b

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 475744 **Project#:** 20-10491

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

Type: BS **Batch#:** 303908 **Analysis:** EPA 6010B

Lab ID: QC1034213 **Prepared:** 12/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 12/23/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1034213 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	104.8	105	80-120	ug/ft2	b

Type: BSD **Batch#:** 303908 **Analysis:** EPA 6010B

Lab ID: QC1034214 **Prepared:** 12/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 12/23/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1034214 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	103.5	103	80-120	ug/ft2	1	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

REPORTING SUMMARY FOR 475744 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
475744-002	MET06	12/23/22 18:43	1.0	+	
475744-004	MET06	12/23/22 18:46	1.0	+	
QC1034212	MET06	12/23/22 17:25	1.0	+	
QC1034213	MET06	12/23/22 17:29	1.0	+	
QC1034214	MET06	12/23/22 17:32	1.0	+	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			12/23/22 08:47	1.0	1	
002	met06_master	ICAL	L1			12/23/22 08:50	1.0	2 1	
003	met06_master	ICAL	L2			12/23/22 08:53	1.0	3 1	
004	met06_master	ICAL	L3			12/23/22 08:56	1.0	4 1	
005	met06_master	ICAL	L4			12/23/22 09:00	1.0	5 1	
006	met06_master	ICAL	L5			12/23/22 09:03	1.0	6 1	
007	met06_master	ICAL	L6			12/23/22 09:06	1.0	7 1	
008	met06_master	ICAL	L7			12/23/22 09:09	1.0	8 1	
009	met06_master	ICAL	L8			12/23/22 09:13	1.0	9 1	
010	met06_master	ICV				12/23/22 09:16	1.0	10 1	
011	met06_master	XCRI				12/23/22 09:20	1.0	11 1	
012	met06_master	ICB				12/23/22 09:23	1.0	1	
013	met06_master	CRI				12/23/22 09:31	1.0	11 1	
014	met06_master	ICSA				12/23/22 09:34	1.0	12 1	5:MGASMGCO3=1400
015	met06_master	ICSAB				12/23/22 09:37	1.0	13 1	5:MGASMGCO3=1400
016	met06_master	SAMPLE	475266-013	Soil	303810	12/23/22 09:46	1.0	1	
017	met06_master	SAMPLE	475266-014	Soil	303810	12/23/22 09:50	1.0	1	
018	met06_master	SAMPLE	475322-001	Soil	303810	12/23/22 09:53	1.0	1	
019	met06_master	SAMPLE	475322-002	Soil	303810	12/23/22 09:56	1.0	1	1:FE=180
020	met06_master	SAMPLE	475322-003	Soil	303810	12/23/22 10:00	1.0	1	1:FE=190
021	met06_master	SAMPLE	475322-004	Soil	303810	12/23/22 10:03	1.0	1	
022	met06_master	SAMPLE	475448-001	Miscell.	303810	12/23/22 10:06	1.0	1	1:FE=170
023	met06_master	SAMPLE	475467-001	Soil	303810	12/23/22 10:09	1.0	1	
024	met06_master	SAMPLE	475521-005	Soil	303810	12/23/22 10:13	1.0	1	1:FE=240
025	met06_master	SAMPLE	475614-001	Soil	303810	12/23/22 10:16	1.0	1	
026	met06_master	CCV				12/23/22 10:19	1.0	10 1	

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master	CCB				12/23/22 10:25	1.0	1	
028	met06_master	LCS	QC1034041	Soil	303866	12/23/22 10:28	1.0	1	
029	met06_master	SAMPLE	475616-005	Soil	303810	12/23/22 10:31	1.0	1	1:FE=180
030	met06_master	SAMPLE	475654-001	Soil	303810	12/23/22 10:35	1.0	1	1:TI=11
031	met06_master	SAMPLE	475654-002	Soil	303810	12/23/22 10:38	1.0	1	2:FE=190
032	met06_master	SAMPLE	475654-003	Soil	303810	12/23/22 10:41	1.0	1	
033	met06_master	CCV				12/23/22 10:45	1.0	10 1	
034	met06_master	XCCB				12/23/22 10:48	1.0	1	
035	met06_master	CCB				12/23/22 10:53	1.0	1	
036	met06_master	BLANK	QC1034047	Miscell.	303868	12/23/22 10:56	1.0	1	
037	met06_master	LCS	QC1034048	Miscell.	303868	12/23/22 10:59	1.0	1	
038	met06_master	MSS	475180-040	Soil	303868	12/23/22 11:03	1.0	1	3:ALASAL2O3=450
039	met06_master	MS	QC1034049	Soil	303868	12/23/22 11:06	1.0	1	4:ALASAL2O3=570
040	met06_master	MSD	QC1034050	Soil	303868	12/23/22 11:09	1.0	1	4:ALASAL2O3=510
041	met06_master	PDS	QC1034226	Soil	303868	12/23/22 11:13	1.0	1	3:ALASAL2O3=440
042	met06_master	SAMPLE	475620-001	Miscell.	303868	12/23/22 11:16	1.0	1	
043	met06_master	SAMPLE	475620-001	Miscell.	303868	12/23/22 11:24	1.0	1	
044	met06_master	SAMPLE	475621-001	Miscell.	303868	12/23/22 11:27	1.0	1	
045	met06_master	SAMPLE	475180-032	Soil	303868	12/23/22 11:30	1.0	1	
046	met06_master	SAMPLE	475180-033	Soil	303868	12/23/22 11:33	1.0	1	
047	met06_master	CCV				12/23/22 11:37	1.0	10 1	
048	met06_master	CCB				12/23/22 11:43	1.0	1	
049	met06_master	SAMPLE	475180-034	Soil	303868	12/23/22 11:46	1.0	1	1:FE=190
050	met06_master	SAMPLE	475180-035	Soil	303868	12/23/22 11:49	1.0	1	1:FE=190
051	met06_master	SAMPLE	475180-036	Soil	303868	12/23/22 11:53	1.0	1	1:FE=200
052	met06_master	SAMPLE	475180-037	Soil	303868	12/23/22 11:56	1.0	1	1:FE=190

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	475180-038	Soil	303868	12/23/22 11:59	1.0	1	1:FE=220
054	met06_master	SAMPLE	475180-039	Soil	303868	12/23/22 12:02	1.0	1	2:FE=210
055	met06_master	SAMPLE	475180-041	Soil	303868	12/23/22 12:06	1.0	1	1:FE=180
056	met06_master	SAMPLE	475180-042	Soil	303868	12/23/22 12:09	1.0	1	
057	met06_master	SAMPLE	475180-043	Soil	303868	12/23/22 12:12	1.0	1	2:FE=200
058	met06_master	SAMPLE	475180-044	Soil	303868	12/23/22 12:15	1.0	1	1:FE=170
059	met06_master	CCV				12/23/22 12:19	1.0	10 1	
060	met06_master	CCB				12/23/22 12:24	1.0	1	
061	met06_master	BLANK	QC1034040	Soil	303866	12/23/22 12:27	1.0	1	
062	met06_master	PDS	QC1033246	Soil	303610	12/23/22 12:30	1.0	1	4:FEASFE2O3=390
063	met06_master	LCS	QC1033543	Soil	303721	12/23/22 12:33	1.0	1	
064	met06_master	SAMPLE	475180-045	Soil	303868	12/23/22 12:37	1.0	1	1:FE=230
065	met06_master	SAMPLE	475180-046	Soil	303868	12/23/22 12:40	1.0	1	1:FE=200
066	met06_master	SAMPLE	475180-047	Soil	303868	12/23/22 12:43	1.0	1	
067	met06_master	SAMPLE	475180-048	Soil	303868	12/23/22 12:46	1.0	1	1:FE=230
068	met06_master	SAMPLE	475180-049	Soil	303868	12/23/22 12:50	1.0	1	2:FE=240
069	met06_master	MSS	473490-001	Soil	303866	12/23/22 12:53	1.0	1	5:ALASAL2O3=430
070	met06_master	MS	QC1034042	Soil	303866	12/23/22 12:56	1.0	1	5:ALASAL2O3=560
071	met06_master	CCV				12/23/22 12:59	1.0	10 1	
072	met06_master	CCB				12/23/22 13:05	1.0	1	
073	met06_master	MSD	QC1034043	Soil	303866	12/23/22 13:08	1.0	1	5:ALASAL2O3=510
074	met06_master	PDS	QC1034249	Soil	303866	12/23/22 13:11	1.0	1	5:ALASAL2O3=420
075	met06_master	SAMPLE	473490-002	Soil	303866	12/23/22 13:15	1.0	1	3:FE=310
076	met06_master	SAMPLE	473490-003	Soil	303866	12/23/22 13:18	1.0	1	3:FE=320
077	met06_master	SAMPLE	473490-004	Soil	303866	12/23/22 13:21	1.0	1	2:FE=310
078	met06_master	SAMPLE	473490-005	Soil	303866	12/23/22 13:24	1.0	1	2:FE=310

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master	SAMPLE	473490-006	Soil	303866	12/23/22 13:28	1.0	1	2:FE=310
080	met06_master	SAMPLE	473490-007	Soil	303866	12/23/22 13:31	1.0	1	2:FE=300
081	met06_master	SAMPLE	473490-008	Soil	303866	12/23/22 13:34	1.0	1	2:FE=300
082	met06_master	SAMPLE	473490-009	Soil	303866	12/23/22 13:37	1.0	1	2:FE=310
083	met06_master	CCV				12/23/22 13:41	1.0	10 1	
084	met06_master	XCCB				12/23/22 13:44	1.0	1	
085	met06_master	CCB				12/23/22 13:48	1.0	1	
086	met06_master	BLANK	QC1034203	Wipe	303906	12/23/22 13:51	1.0	1	
087	met06_master	BS	QC1034204	Wipe	303906	12/23/22 13:54	1.0	1	
088	met06_master	BSD	QC1034205	Wipe	303906	12/23/22 13:58	1.0	1	
089	met06_master	SAMPLE	474637-001	Water	303192	12/23/22 14:01	1.0	1	
090	met06_master	SAMPLE	474637-002	Water	303192	12/23/22 14:04	1.0	1	
091	met06_master	SAMPLE	474637-003	Water	303192	12/23/22 14:07	1.0	1	
092	met06_master	SAMPLE	473490-010	Soil	303866	12/23/22 14:11	1.0	1	2:FE=300
093	met06_master	SAMPLE	475736-002	Wipe	303906	12/23/22 14:14	1.0	1	
094	met06_master	SAMPLE	475736-004	Wipe	303906	12/23/22 14:17	1.0	1	
095	met06_master	SAMPLE	475736-006	Wipe	303906	12/23/22 14:20	1.0	1	
096	met06_master	CCV				12/23/22 14:24	1.0	10 1	
097	met06_master	CCB				12/23/22 14:29	1.0	1	
098	met06_master	SAMPLE	474637-001	Water	303192	12/23/22 14:33	5.0	1	2:NA=2400
099	met06_master	SAMPLE	474637-002	Water	303192	12/23/22 14:36	5.0	1	2:SULFUR=2600
100	met06_master	SAMPLE	474637-003	Water	303192	12/23/22 14:39	5.0	1	2:NA=2400
101	met06_master	SAMPLE	475736-007	Wipe	303906	12/23/22 14:42	1.0	1	
102	met06_master	SAMPLE	475736-010	Wipe	303906	12/23/22 14:46	1.0	1	
103	met06_master	SAMPLE	475736-012	Wipe	303906	12/23/22 14:49	1.0	1	
104	met06_master	SAMPLE	475736-013	Wipe	303906	12/23/22 14:52	1.0	1	

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	SAMPLE	475736-015	Wipe	303906	12/23/22 14:55	1.0	1	
106	met06_master	SAMPLE	475736-017	Wipe	303906	12/23/22 14:58	1.0	1	
107	met06_master	SAMPLE	475736-019	Wipe	303906	12/23/22 15:02	1.0	1	
108	met06_master	CCV				12/23/22 15:05	1.0	10 1	
109	met06_master	CCB				12/23/22 15:08	1.0	1	
110	met06_master	SAMPLE	475736-021	Wipe	303906	12/23/22 15:12	1.0	1	
111	met06_master	SAMPLE	475736-023	Wipe	303906	12/23/22 15:15	1.0	1	
112	met06_master	SAMPLE	475736-025	Wipe	303906	12/23/22 15:18	1.0	1	
113	met06_master	SAMPLE	475736-027	Wipe	303906	12/23/22 15:21	1.0	1	
114	met06_master	SAMPLE	475736-029	Wipe	303906	12/23/22 15:25	1.0	1	1:FE=190
115	met06_master	SAMPLE	475736-031	Wipe	303906	12/23/22 15:28	1.0	1	
116	met06_master	SAMPLE	475736-033	Wipe	303906	12/23/22 15:31	1.0	1	
117	met06_master	SAMPLE	475736-035	Wipe	303906	12/23/22 15:34	1.0	1	
118	met06_master	SAMPLE	475736-037	Wipe	303906	12/23/22 15:38	1.0	1	
119	met06_master	SAMPLE	475736-039	Wipe	303906	12/23/22 15:41	1.0	1	
120	met06_master	CCV				12/23/22 15:44	1.0	10 1	
121	met06_master	CCB				12/23/22 15:47	1.0	1	
122	met06_master	BLANK	QC1034333	WET Leachate	303944	12/23/22 15:51	1.0	1	
123	met06_master	BS	QC1034334	WET Leachate	303944	12/23/22 15:54	1.0	1	
124	met06_master	BSD	QC1034335	WET Leachate	303944	12/23/22 15:57	1.0	1	
125	met06_master	SAMPLE	474542-003	WET Leachate	303944	12/23/22 16:00	1.0	1	
126	met06_master	SAMPLE	474542-007	WET Leachate	303944	12/23/22 16:04	1.0	1	
127	met06_master	SAMPLE	474734-001	WET Leachate	303944	12/23/22 16:07	1.0	1	
128	met06_master	SAMPLE	475016-004	WET Leachate	303944	12/23/22 16:10	1.0	1	
129	met06_master	SAMPLE	475199-001	WET Leachate	303944	12/23/22 16:13	1.0	1	
130	met06_master	SAMPLE	475199-002	WET Leachate	303944	12/23/22 16:17	1.0	1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master	SAMPLE	475620-001	WET Leachate	303944	12/23/22 16:20	1.0	1	
132	met06_master	CCV				12/23/22 16:24	1.0	10 1	
133	met06_master	XICB				12/23/22 16:27	1.0	1	
134	met06_master	CCB				12/23/22 16:32	1.0	1	
135	met06_master	SAMPLE	475621-001	WET Leachate	303944	12/23/22 16:35	1.0	1	
136	met06_master	BLANK	QC1034233	Soil	303917	12/23/22 16:38	1.0	1	
137	met06_master	LCS	QC1034234	Soil	303917	12/23/22 16:42	1.0	1	
138	met06_master	SAMPLE	474594-001	Miscell.	303917	12/23/22 16:45	1.0	1	1:P=79
139	met06_master	SAMPLE	474902-010	Soil	303917	12/23/22 16:48	1.0	1	
140	met06_master	SAMPLE	474922-001	Miscell.	303917	12/23/22 16:52	1.0	1	
141	met06_master	SAMPLE	475086-002	Soil	303917	12/23/22 16:55	1.0	1	1:P=11
142	met06_master	MSS	475318-001	Soil	303917	12/23/22 16:58	1.0	1	4:ALASAL2O3=410
143	met06_master	MS	QC1034235	Soil	303917	12/23/22 17:01	1.0	1	4:ALASAL2O3=470
144	met06_master	MSD	QC1034236	Soil	303917	12/23/22 17:04	1.0	1	4:ALASAL2O3=490
145	met06_master	CCV				12/23/22 17:08	1.0	10 1	
146	met06_master	XCCB				12/23/22 17:11	1.0	1	
147	met06_master	CCB				12/23/22 17:16	1.0	1	
148	met06_master	PDS	QC1034377	Soil	303917	12/23/22 17:19	1.0	1	4:ALASAL2O3=400
149	met06_master	SAMPLE	475367-001	Soil	303917	12/23/22 17:22	1.0	1	2:FE=230
150	met06_master	BLANK	QC1034212	Wipe	303908	12/23/22 17:25	1.0	1	
151	met06_master	BS	QC1034213	Wipe	303908	12/23/22 17:29	1.0	1	
152	met06_master	BSD	QC1034214	Wipe	303908	12/23/22 17:32	1.0	1	
153	met06_master	SAMPLE	475736-041	Wipe	303908	12/23/22 17:35	1.0	1	
154	met06_master	SAMPLE	475736-043	Wipe	303908	12/23/22 17:39	1.0	1	
155	met06_master	SAMPLE	475736-046	Wipe	303908	12/23/22 17:42	1.0	1	
156	met06_master	SAMPLE	475736-048	Wipe	303908	12/23/22 17:45	1.0	1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master	SAMPLE	475736-050	Wipe	303908	12/23/22 17:48	1.0	1	
158	met06_master	CCV				12/23/22 17:52	1.0	10 1	
159	met06_master	CCB				12/23/22 17:57	1.0	1	
160	met06_master	SAMPLE	475736-052	Wipe	303908	12/23/22 18:01	1.0	1	1:FE=400
161	met06_master	SAMPLE	475736-054	Wipe	303908	12/23/22 18:04	1.0	1	
162	met06_master	SAMPLE	475736-056	Wipe	303908	12/23/22 18:07	1.0	1	
163	met06_master	SAMPLE	475736-058	Wipe	303908	12/23/22 18:11	1.0	1	
164	met06_master	SAMPLE	475743-003	Wipe	303908	12/23/22 18:14	1.0	1	
165	met06_master	SAMPLE	475743-005	Wipe	303908	12/23/22 18:17	1.0	1	
166	met06_master	SAMPLE	475743-006	Wipe	303908	12/23/22 18:20	1.0	1	
167	met06_master	SAMPLE	475743-008	Wipe	303908	12/23/22 18:24	1.0	1	
168	met06_master	SAMPLE	475743-009	Wipe	303908	12/23/22 18:27	1.0	1	
169	met06_master	SAMPLE	475743-012	Wipe	303908	12/23/22 18:30	1.0	1	
170	met06_master	CCV				12/23/22 18:33	1.0	10 1	
171	met06_master	CCB				12/23/22 18:37	1.0	1	
172	met06_master	SAMPLE	475743-014	Wipe	303908	12/23/22 18:40	1.0	1	
173	met06_master	SAMPLE	475744-002	Wipe	303908	12/23/22 18:43	1.0	1	
174	met06_master	SAMPLE	475744-004	Wipe	303908	12/23/22 18:46	1.0	1	
175	met06_master	BLANK	QC1034240	Soil	303919	12/23/22 18:50	1.0	1	
176	met06_master	BS	QC1034241	Soil	303919	12/23/22 18:53	1.0	1	
177	met06_master	BSD	QC1034242	Soil	303919	12/23/22 18:56	1.0	1	
178	met06_master	SAMPLE	473490-011	Soil	303919	12/23/22 18:59	1.0	1	2:FE=270
179	met06_master	SAMPLE	473490-012	Soil	303919	12/23/22 19:03	1.0	1	2:FE=270
180	met06_master	SAMPLE	473490-013	Soil	303919	12/23/22 19:06	1.0	1	3:FE=290
181	met06_master	SAMPLE	473490-014	Soil	303919	12/23/22 19:09	1.0	1	3:FE=280
182	met06_master	CCV				12/23/22 19:13	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master	CCB				12/23/22 19:16	1.0	1	
184	met06_master	SAMPLE	473490-015	Soil	303919	12/23/22 19:19	1.0	1	3:FE=310
185	met06_master	SAMPLE	473490-016	Soil	303919	12/23/22 19:22	1.0	1	3:FE=290
186	met06_master	SAMPLE	473490-017	Soil	303919	12/23/22 19:25	1.0	1	3:FE=300
187	met06_master	SAMPLE	473490-018	Soil	303919	12/23/22 19:29	1.0	1	3:FE=310
188	met06_master	SAMPLE	473490-019	Soil	303919	12/23/22 19:32	1.0	1	3:FE=320
189	met06_master	SAMPLE	473490-020	Soil	303919	12/23/22 19:35	1.0	1	3:FE=320
190	met06_master	BLANK	QC1033847	Soil	303811	12/23/22 19:38	1.0	1	
191	met06_master	LCS	QC1033848	Soil	303811	12/23/22 19:42	1.0	1	
192	met06_master	MSS	475180-012	Soil	303811	12/23/22 19:45	1.0	1	3:FEASFE2O3=270
193	met06_master	MS	QC1033849	Soil	303811	12/23/22 19:48	1.0	1	3:ALASAL2O3=360
194	met06_master	CCV				12/23/22 19:52	1.0	10 1	
195	met06_master	CCB				12/23/22 19:55	1.0	1	
196	met06_master	MSD	QC1033850	Soil	303811	12/23/22 19:58	1.0	1	3:ALASAL2O3=380
197	met06_master	PDS	QC1033851	Soil	303811	12/23/22 20:01	1.0	1	3:FEASFE2O3=270
198	met06_master	SAMPLE	475180-013	Soil	303811	12/23/22 20:05	1.0	1	1:FE=200
199	met06_master	SAMPLE	475180-014	Soil	303811	12/23/22 20:08	1.0	1	1:FE=160
200	met06_master	SAMPLE	475180-015	Soil	303811	12/23/22 20:11	1.0	1	1:FE=280
201	met06_master	SAMPLE	475180-016	Soil	303811	12/23/22 20:14	1.0	1	1:FE=170
202	met06_master	SAMPLE	475180-017	Soil	303811	12/23/22 20:18	1.0	1	1:FE=230
203	met06_master	SAMPLE	475180-018	Soil	303811	12/23/22 20:21	1.0	1	2:FE=230
204	met06_master	SAMPLE	475180-019	Soil	303811	12/23/22 20:24	1.0	1	
205	met06_master	MSS	475180-020	Soil	303811	12/23/22 20:27	1.0	1	2:ALASAL2O3=220
206	met06_master	CCV				12/23/22 20:31	1.0	10 1	
207	met06_master	CCB				12/23/22 20:34	1.0	1	
208	met06_master	MS	QC1034318	Soil	303811	12/23/22 20:37	1.0	1	3:ALASAL2O3=320

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master	MSD	QC1034319	Soil	303811	12/23/22 20:40	1.0	1	3:ALASAL2O3=310
210	met06_master	PDS	QC1034392	Soil	303811	12/23/22 20:44	1.0	1	2:ALASAL2O3=220
211	met06_master	SAMPLE	475180-021	Soil	303811	12/23/22 20:47	1.0	1	1:FE=220
212	met06_master	SAMPLE	475180-022	Soil	303811	12/23/22 20:50	1.0	1	
213	met06_master	SAMPLE	475180-023	Soil	303811	12/23/22 20:53	1.0	1	1:FE=180
214	met06_master	SAMPLE	475180-024	Soil	303811	12/23/22 20:57	1.0	1	1:FE=230
215	met06_master	SAMPLE	475180-025	Soil	303811	12/23/22 21:00	1.0	1	1:FE=200
216	met06_master	SAMPLE	475180-026	Soil	303811	12/23/22 21:03	1.0	1	2:FE=240
217	met06_master	SAMPLE	475180-027	Soil	303811	12/23/22 21:06	1.0	1	1:FE=290
218	met06_master	CCV				12/23/22 21:10	1.0	10 1	
219	met06_master	CCB				12/23/22 21:13	1.0	1	
220	met06_master	SAMPLE	475180-028	Soil	303811	12/23/22 21:16	1.0	1	2:FE=320
221	met06_master	SAMPLE	475180-029	Soil	303811	12/23/22 21:19	1.0	1	1:FE=220
222	met06_master	SAMPLE	475180-030	Soil	303811	12/23/22 21:23	1.0	1	1:FE=190
223	met06_master	SAMPLE	475180-031	Soil	303811	12/23/22 21:26	1.0	1	1:FE=170
224	met06_master	BLANK	QC1034374	WET Leachate	303958	12/23/22 21:29	1.0	1	
225	met06_master	BS	QC1034375	WET Leachate	303958	12/23/22 21:33	1.0	1	
226	met06_master	BSD	QC1034376	WET Leachate	303958	12/23/22 21:36	1.0	1	
227	met06_master	SAMPLE	469333-013	WET Leachate	303958	12/23/22 21:39	1.0	1	
228	met06_master	SAMPLE	469333-027	WET Leachate	303958	12/23/22 21:42	1.0	1	
229	met06_master	SAMPLE	469333-029	WET Leachate	303958	12/23/22 21:46	1.0	1	
230	met06_master	CCV				12/23/22 21:49	1.0	10 1	
231	met06_master	CCB				12/23/22 21:52	1.0	1	
232	met06_master	SAMPLE	469333-031	WET Leachate	303958	12/23/22 21:55	1.0	1	
233	met06_master	CCV				12/23/22 21:59	1.0	10 1	
234	met06_master	CCB				12/23/22 22:02	1.0	1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument:	MET06	Begun:	12/23/22 08:47
Method:	EPA 6010B		

SBW 12/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 234.

Standards Used:

1=S13369 2=S17470 3=S17469 4=S17466 5=S17429 6=S17316 7=S17333 8=S17334 9=S17210 10=S17413 11=S17318 12=S17207 13=S17208

Enthalpy Internal Standard Summary for Sequence 482514607

Date: 12/23/22 Reference: met06_master

Sequence: MET06 12/23/22 Analyzed: 12/23/22 08:47

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	30464900	919101	186284
		LOWER LIMIT	9139470	275730	55885
		UPPER LIMIT	60929800	1838202	372568
012	ICB		29448900	894349	178578
014	ICSA		25378000	825563	175795
015	ICSAB		25353900	829899	175568
016	SAMPLE	475266-013	28661400	879939	181251
017	SAMPLE	475266-014	28374200	880407	181146
018	SAMPLE	475322-001	28144200	873042	179640
019	SAMPLE	475322-002	27703700	868594	181264
020	SAMPLE	475322-003	27411400	859071	181729
021	SAMPLE	475322-004	27743100	866300	181048
022	SAMPLE	475448-001	27178200	852281	180140
023	SAMPLE	475467-001	27402000	854483	178990
024	SAMPLE	475521-005	27282600	856954	181204
025	SAMPLE	475614-001	28020000	873334	177816
026	CCV		26898300	858604	179638
027	CCB		29217900	922755	182849
028	LCS	QC1034041	28206100	879069	174587
029	SAMPLE	475616-005	27364400	866171	179388
030	SAMPLE	475654-001	27477400	870537	179758
031	SAMPLE	475654-002	26820100	852778	179270
032	SAMPLE	475654-003	28139600	886344	179888
033	CCV		26675700	854969	179658
035	CCB		29620900	928630	182046
036	BLANK	QC1034047	29498300	916331	178967
037	LCS	QC1034048	28721500	901532	176032
038	MSS	475180-040	28125000	898908	182356
039	MS	QC1034049	27648800	895977	181831
040	MSD	QC1034050	27698100	894937	181303
041	PDS	QC1034226	27896400	900232	182777
042	SAMPLE	475620-001	67576400 *	2243180 *	443282 *
043	SAMPLE	475620-001	27538400	870906	176013
044	SAMPLE	475621-001	25606600	821624	173710
045	SAMPLE	475180-032	28514400	911087	180197
046	SAMPLE	475180-033	28593100	918608	182362
047	CCV		26852400	873935	179524
048	CCB		29474500	940450	182648
049	SAMPLE	475180-034	27957100	911802	181842
050	SAMPLE	475180-035	27833000	906448	180954
051	SAMPLE	475180-036	27519300	908054	179317
052	SAMPLE	475180-037	27775100	921027	181562
053	SAMPLE	475180-038	27588200	918152	181072
054	SAMPLE	475180-039	27459800	906240	181145
055	SAMPLE	475180-041	27502500	923070	181543
056	SAMPLE	475180-042	27517100	918091	178790
057	SAMPLE	475180-043	27287300	914137	178658
058	SAMPLE	475180-044	27622000	928255	181366
059	CCV		26333300	890679	178426
060	CCB		28772300	954129	180951
061	BLANK	QC1034040	27968100	907495	176729

Enthalpy Internal Standard Summary for Sequence 482514607

Date: 12/23/22 Reference: met06_master
Sequence: MET06 12/23/22 Analyzed: 12/23/22 08:47

#	Type	Sample ID	Y H	Y A	Y R
062	PDS	QC1033246	27278500	905088	180403
063	LCS	QC1033543	28281800	929658	177772
064	SAMPLE	475180-045	27045100	909086	182637
065	SAMPLE	475180-046	27206900	918764	181964
066	SAMPLE	475180-047	27509600	917408	181513
067	SAMPLE	475180-048	27349500	917656	182128
068	SAMPLE	475180-049	27346800	919352	184221
069	MSS	473490-001	25933400	864861	178076
070	MS	QC1034042	26027900	871760	179706
071	CCV		26239300	880284	177222
072	CCB		28356500	936020	178505
073	MSD	QC1034043	25418600	843329	175113
074	PDS	QC1034249	26056500	860659	178020
075	SAMPLE	473490-002	25962800	859517	178276
076	SAMPLE	473490-003	25896500	877508	180241
077	SAMPLE	473490-004	25880900	858394	176060
078	SAMPLE	473490-005	25773700	858407	176521
079	SAMPLE	473490-006	25856100	858473	177144
080	SAMPLE	473490-007	26096100	871424	178946
081	SAMPLE	473490-008	26328100	876503	180515
082	SAMPLE	473490-009	26179700	862977	180250
083	CCV		25955700	863155	177385
085	CCB		28760600	940725	182137
086	BLANK	QC1034203	26582500	860570	174494
087	BS	QC1034204	26568900	866911	173582
088	BSD	QC1034205	26705800	876754	175370
092	SAMPLE	473490-010	25817000	862831	179610
093	SAMPLE	475736-002	27027300	874218	174540
094	SAMPLE	475736-004	27183700	879570	173139
095	SAMPLE	475736-006	27327400	882573	174460
096	CCV		26500700	880987	181914
097	CCB		29017400	949637	185007
098	SAMPLE	474637-001	17707700	665166	171616
099	SAMPLE	474637-002	18690900	708153	175053
100	SAMPLE	474637-003	18177300	712461	174806
101	SAMPLE	475736-007	26600600	858321	170487
102	SAMPLE	475736-010	26609900	864435	170768
103	SAMPLE	475736-012	27071900	875710	172901
104	SAMPLE	475736-013	27034700	881547	173623
105	SAMPLE	475736-015	27243700	882407	174437
106	SAMPLE	475736-017	27125600	878183	174632
107	SAMPLE	475736-019	27339000	886011	175648
108	CCV		26489700	890201	180849
109	CCB		29318500	961036	185759
110	SAMPLE	475736-021	26988500	879478	174912
111	SAMPLE	475736-023	27066300	885310	174831
112	SAMPLE	475736-025	26877600	878107	174784
113	SAMPLE	475736-027	26941300	881189	173885
114	SAMPLE	475736-029	26883100	884124	176122
115	SAMPLE	475736-031	27065100	884576	173378
116	SAMPLE	475736-033	27088500	885735	173726
117	SAMPLE	475736-035	27545000	892571	173549

Enthalpy Internal Standard Summary for Sequence 482514607

Date: 12/23/22 Reference: met06_master

Sequence: MET06 12/23/22 Analyzed: 12/23/22 08:47

#	Type	Sample ID	Y H	Y A	Y R
118	SAMPLE	475736-037	27154400	878730	172820
119	SAMPLE	475736-039	27268000	884925	172357
120	CCV		26667300	894154	179027
121	CCB		29756800	961444	184665
122	BLANK	QC1034333	27625500	930725	180303
123	BS	QC1034334	27408200	924851	181498
124	BSD	QC1034335	27569900	931142	181886
125	SAMPLE	474542-003	27395600	924962	180207
126	SAMPLE	474542-007	27468900	920764	178947
127	SAMPLE	474734-001	27774800	929980	181280
128	SAMPLE	475016-004	27620600	928439	180889
129	SAMPLE	475199-001	27642700	930844	182048
130	SAMPLE	475199-002	27662200	929496	181988
131	SAMPLE	475620-001	27276500	917975	180133
132	CCV		25626500	874516	176346
134	CCB		29341600	976678	178594
135	SAMPLE	475621-001	26981800	916304	178902
136	BLANK	QC1034233	28893500	957943	179713
137	LCS	QC1034234	28333500	945301	177841
138	SAMPLE	474594-001	27412100	911385	178651
139	SAMPLE	474902-010	26358700	887261	173678
140	SAMPLE	474922-001	29723400	981375	182599
141	SAMPLE	475086-002	27330300	923159	175613
142	MSS	475318-001	27143300	929385	177642
143	MS	QC1034235	27063800	924407	175913
144	MSD	QC1034236	26876200	926217	175842
145	CCV		26365100	911510	175563
147	CCB		28627000	984737	174551
148	PDS	QC1034377	26303500	914684	167712
149	SAMPLE	475367-001	26141400	904357	167200
150	BLANK	QC1034212	26185800	890380	163488
151	BS	QC1034213	26223100	898310	169378
152	BSD	QC1034214	26855900	908226	171454
153	SAMPLE	475736-041	27628400	923701	173217
154	SAMPLE	475736-043	27805300	931631	172485
155	SAMPLE	475736-046	27651100	927655	172135
156	SAMPLE	475736-048	27426500	918440	171729
157	SAMPLE	475736-050	27077000	910250	172360
158	CCV		28092400	969038	180703
159	CCB		29987800	1023490	180069
160	SAMPLE	475736-052	25785800	901825	167729
161	SAMPLE	475736-054	27138700	925664	170575
162	SAMPLE	475736-056	28144800	948655	174247
163	SAMPLE	475736-058	28036400	949086	173560
164	SAMPLE	475743-003	27818900	953302	173284
165	SAMPLE	475743-005	27576900	945995	173541
166	SAMPLE	475743-006	27758300	960216	176115
167	SAMPLE	475743-008	27841400	956962	176060
168	SAMPLE	475743-009	27918800	957567	176194
169	SAMPLE	475743-012	28070300	972591	175933
170	CCV		27635600	979280	183976
171	CCB		30806600	1069160	188999

Enthalpy Internal Standard Summary for Sequence 482514607

Date: 12/23/22 Reference: met06_master
Sequence: MET06 12/23/22 Analyzed: 12/23/22 08:47

#	Type	Sample ID	Y H	Y A	Y R
172	SAMPLE	475743-014	27535800	952664	173088
173	SAMPLE	475744-002	27884400	955716	174262
174	SAMPLE	475744-004	27487600	958704	175730
175	BLANK	QC1034240	29753400	1014070	182745
176	BS	QC1034241	29615300	1041790	183400
177	BSD	QC1034242	29122500	1016000	179970
178	SAMPLE	473490-011	26937100	953992	179955
179	SAMPLE	473490-012	26716800	958746	178553
180	SAMPLE	473490-013	26781000	959690	180050
181	SAMPLE	473490-014	26861700	961148	179574
182	CCV		26827900	978601	177880
183	CCB		29591900	1052280	177768
184	SAMPLE	473490-015	25846300	941441	170782
185	SAMPLE	473490-016	26053800	946810	169816
186	SAMPLE	473490-017	26509400	966286	173291
187	SAMPLE	473490-018	26125400	954472	172346
188	SAMPLE	473490-019	26342500	956841	173504
189	SAMPLE	473490-020	25905400	949029	170516
190	BLANK	QC1033847	29418600	1064450	175524
191	LCS	QC1033848	28404800	1021140	170297
192	MSS	475180-012	27589000	1008160	172656
193	MS	QC1033849	26834700	992528	169664
194	CCV		25763100	945330	165746
195	CCB		28175500	1032600	169669
196	MSD	QC1033850	26504100	984350	166779
197	PDS	QC1033851	26590700	986261	164302
198	SAMPLE	475180-013	26378000	981452	162559
199	SAMPLE	475180-014	27226700	1010360	165577
200	SAMPLE	475180-015	27592600	1027010	184201
201	SAMPLE	475180-016	28214300	1022950	176114
202	SAMPLE	475180-017	27033900	999445	169469
203	SAMPLE	475180-018	27003300	998849	168199
204	SAMPLE	475180-019	26839800	990393	164683
205	MSS	475180-020	26350300	986269	161425
206	CCV		25002700	940048	159450
207	CCB		27592800	1012590	162192
208	MS	QC1034318	25671100	963988	158269
209	MSD	QC1034319	25956000	970831	160065
210	PDS	QC1034392	25817300	966986	158461
211	SAMPLE	475180-021	26120600	986072	161992
212	SAMPLE	475180-022	26143400	963245	157922
213	SAMPLE	475180-023	27626500	979558	176117
214	SAMPLE	475180-024	27904200	1005700	183634
215	SAMPLE	475180-025	27491900	989764	179360
216	SAMPLE	475180-026	27693800	1001760	180326
217	SAMPLE	475180-027	28068300	1018750	185655
218	CCV		26325700	948288	176337
219	CCB		29047700	1028080	182072
220	SAMPLE	475180-028	28339500	1016560	189010
221	SAMPLE	475180-029	27166600	970125	178865
222	SAMPLE	475180-030	27164800	964400	176327
223	SAMPLE	475180-031	28012200	994955	181207

Enthalpy Internal Standard Summary for Sequence 482514607

Date:	12/23/22	Reference:	met06_master
Sequence:	MET06 12/23/22	Analyzed:	12/23/22 08:47

#	Type	Sample ID	Y H	Y A	Y R
224	BLANK	QC1034374	27478000	990567	178771
225	BS	QC1034375	27263000	983951	178301
226	BSD	QC1034376	27472200	983146	178619
227	SAMPLE	469333-013	27090200	972814	177553
228	SAMPLE	469333-027	27262800	967277	177884
229	SAMPLE	469333-029	27111000	961725	175829
230	CCV		26235500	935914	174964
231	CCB		29334700	1022580	180007
232	SAMPLE	469333-031	26773200	961569	175185
233	CCV		26350300	937323	174482
234	CCB		29392000	1021910	180213

ENTHALPY INITIAL CALIBRATION FOR 475744 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482514607001	Date:	23-DEC-2022 08:47
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482514607002	L1	23-DEC-2022 08:50	S17470, S13369 (100X)
L2	met06_master	482514607003	L2	23-DEC-2022 08:53	S17469, S13369 (100X)
L3	met06_master	482514607004	L3	23-DEC-2022 08:56	S17466, S13369 (100X)
L4	met06_master	482514607005	L4	23-DEC-2022 09:00	S17429, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0160	0.0320	0.0323	0.0306	WB1K	0.00163	32.6808		0.0277	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	1	0.1000	6	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	482514607001	Cal Date:	23-DEC-2022

- ICV 482514607010 (23-DEC-2022) stds: S17413, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.019	mg/l	2	10	

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607012	File:	met06_master	Time:	23-DEC-2022 09:23
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	29448900	-3.33
Yttrium	A	919101	894349	-2.69
Yttrium	R	186284	178578	-4.14

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607014	File:	met06_master	Time:	23-DEC-2022 09:34
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01871]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	137.9	mg/l	86	
Aluminum	R	400.0	405.5	mg/l	101	
Calcium	R	400.0	404.6	mg/l	101	
Magnesium	R	400.0	409.8	mg/l	102	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	25378000	-16.70
Yttrium	A	919101	825563	-10.18
Yttrium	R	186284	175795	-5.63

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607015	File:	met06_master	Time:	23-DEC-2022 09:37
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9520	mg/l	-5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	25353900	-16.78
Yttrium	A	919101	829899	-9.71
Yttrium	R	186284	175568	-5.75

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607145	File:	met06_master	Time:	23-DEC-2022 17:08
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0322	1.000	1.052	mg/l	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	26365100	-13.46
Yttrium	A	919101	911510	-0.83
Yttrium	R	186284	175563	-5.76

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607147	File:	met06_master	Time:	23-DEC-2022 17:16
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	28627000	-6.03
Yttrium	A	919101	984737	7.14
Yttrium	R	186284	174551	-6.30

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607158	File:	met06_master	Time:	23-DEC-2022 17:52
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0316	1.000	1.035	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	28092400	-7.79
Yttrium	A	919101	969038	5.43
Yttrium	R	186284	180703	-3.00

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607159	File:	met06_master	Time:	23-DEC-2022 17:57
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	29987800	-1.57
Yttrium	A	919101	1023490	11.36
Yttrium	R	186284	180069	-3.34

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607170	File:	met06_master	Time:	23-DEC-2022 18:33
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0316	1.000	1.035	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	27635600	-9.29
Yttrium	A	919101	979280	6.55
Yttrium	R	186284	183976	-1.24

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607171	File:	met06_master	Time:	23-DEC-2022 18:37
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	30806600	1.12
Yttrium	A	919101	1069160	16.33
Yttrium	R	186284	188999	1.46

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607182	File:	met06_master	Time:	23-DEC-2022 19:13
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0315	1.000	1.032	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	26827900	-11.94
Yttrium	A	919101	978601	6.47
Yttrium	R	186284	177880	-4.51

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607183	File:	met06_master	Time:	23-DEC-2022 19:16
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	29591900	-2.87
Yttrium	A	919101	1052280	14.49
Yttrium	R	186284	177768	-4.57

SAMPLE PREPARATION SUMMARY

Batch # : 303908 Analysis : ICP
Started By : RPS Prep Date : 23-DEC-2022 10:22 Finished By : RPS
Method : 3050B Units : ft2
Spike #1 ID : S17422 Spike #2 ID : S17423

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
475736-041		Wipe	1.02	50	1	49.02						6010	
475736-043		Wipe	1	50	1	50.0						6010	
475736-046		Wipe	1.0552	50	1	47.38						6010	
475736-048		Wipe	1	50	1	50.0						6010	
475736-050		Wipe	1	50	1	50.0						6010	
475736-052		Wipe	1	50	1	50.0						6010	
475736-054		Wipe	1	50	1	50.0						6010	
475736-056		Wipe	1	50	1	50.0						6010	
475736-058		Wipe	1	50	1	50.0						6010	
475743-003		Wipe	1	50	1	50.0						6010	
475743-005		Wipe	1	50	1	50.0						6010	
475743-006		Wipe	1	50	1	50.0						6010	
475743-008		Wipe	1	50	1	50.0						6010	
475743-009		Wipe	1	50	1	50.0						6010	
475743-012		Wipe	1.02	50	1	49.02						6010	
475743-014		Wipe	1.01	50	1	49.50						6010	
475744-002		Wipe	1.02	50	1	49.02						6010	
475744-004		Wipe	1	50	1	50.0						6010	
QC1034212	BLANK	Wipe	1	50	1	50.0						ICP	
QC1034213	BS	Wipe	1	50	1	50.0		1	1			ICP	
QC1034214	BSD	Wipe	1	50	1	50.0		1	1			ICP	

SBW 12/27/22 : please check the backlog, the prep area is logged in here by the PM

Analyst: SBW Date: 12/27/22 Reviewer: MCP Date: 12/27/22

ICP Prep Log

Initials: RPS | Prep Method: 3050B / 3010A / 200.7 / STLC | QC Batch #: 303908 | Therm ID/Corr Factor: 9175 1.0°C

Prep Start, Date/Time: 12/23/22 10:22 | Prep End, Date/Time: 12/23/22 15:39 | HotBlock Temp (Obs/Cor), °C: 93 / 94 | HotBlock ID: #3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
					NA	50	~~220806~~ → 220806C	
Blank	----	----	----					
LCS	----	----	----					
LCSD	—	NA	~~Turbid~~					
475736-41	A		MRe					
-43								
-46								
-48								
-50								
-52								
-54								
-56								
-58								
743-3								
-5								
-6								
-8								
-9								
-12								
-14								
744-2								
-4	↓	↓	↓					
			12/23/22					

Hydrochloric Acid ID: 10mL 221601419

Nitric Acid ID: 10 ml 20220718 19

H_2O_2 ID: 3mL 220901

LCS Spike ID: 1ml (517422, 517423)

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			12/23/22 08:47	1.0	1	
002	met06_master	ICAL	L1			12/23/22 08:50	1.0	2 1	
003	met06_master	ICAL	L2			12/23/22 08:53	1.0	3 1	
004	met06_master	ICAL	L3			12/23/22 08:56	1.0	4 1	
005	met06_master	ICAL	L4			12/23/22 09:00	1.0	5 1	
006	met06_master	ICAL	L5			12/23/22 09:03	1.0	6 1	
007	met06_master	ICAL	L6			12/23/22 09:06	1.0	7 1	
008	met06_master	ICAL	L7			12/23/22 09:09	1.0	8 1	
009	met06_master	ICAL	L8			12/23/22 09:13	1.0	9 1	
010	met06_master	ICV				12/23/22 09:16	1.0	10 1	
011	met06_master	XCRI				12/23/22 09:20	1.0	11 1	
012	met06_master	ICB				12/23/22 09:23	1.0	1	
013	met06_master	CRI				12/23/22 09:31	1.0	11 1	
014	met06_master	ICSA				12/23/22 09:34	1.0	12 1	5:MGASMGCO3=1400
015	met06_master	ICSAB				12/23/22 09:37	1.0	13 1	5:MGASMGCO3=1400
016	met06_master	SAMPLE	475266-013	Soil	303810	12/23/22 09:46	1.0	1	
017	met06_master	SAMPLE	475266-014	Soil	303810	12/23/22 09:50	1.0	1	
018	met06_master	SAMPLE	475322-001	Soil	303810	12/23/22 09:53	1.0	1	
019	met06_master	SAMPLE	475322-002	Soil	303810	12/23/22 09:56	1.0	1	1:FE=180
020	met06_master	SAMPLE	475322-003	Soil	303810	12/23/22 10:00	1.0	1	1:FE=190
021	met06_master	SAMPLE	475322-004	Soil	303810	12/23/22 10:03	1.0	1	
022	met06_master	SAMPLE	475448-001	Miscell.	303810	12/23/22 10:06	1.0	1	1:FE=170
023	met06_master	SAMPLE	475467-001	Soil	303810	12/23/22 10:09	1.0	1	
024	met06_master	SAMPLE	475521-005	Soil	303810	12/23/22 10:13	1.0	1	1:FE=240
025	met06_master	SAMPLE	475614-001	Soil	303810	12/23/22 10:16	1.0	1	
026	met06_master	CCV				12/23/22 10:19	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master	CCB				12/23/22 10:25	1.0	1	
028	met06_master	LCS	QC1034041	Soil	303866	12/23/22 10:28	1.0	1	
029	met06_master	SAMPLE	475616-005	Soil	303810	12/23/22 10:31	1.0	1	1:FE=180
030	met06_master	SAMPLE	475654-001	Soil	303810	12/23/22 10:35	1.0	1	1:TI=11
031	met06_master	SAMPLE	475654-002	Soil	303810	12/23/22 10:38	1.0	1	2:FE=190
032	met06_master	SAMPLE	475654-003	Soil	303810	12/23/22 10:41	1.0	1	
033	met06_master	CCV				12/23/22 10:45	1.0	10 1	
034	met06_master	XCCB				12/23/22 10:48	1.0	1	
035	met06_master	CCB				12/23/22 10:53	1.0	1	
036	met06_master	BLANK	QC1034047	Miscell.	303868	12/23/22 10:56	1.0	1	
037	met06_master	LCS	QC1034048	Miscell.	303868	12/23/22 10:59	1.0	1	
038	met06_master	MSS	475180-040	Soil	303868	12/23/22 11:03	1.0	1	3:ALASAL2O3=450
039	met06_master	MS	QC1034049	Soil	303868	12/23/22 11:06	1.0	1	4:ALASAL2O3=570
040	met06_master	MSD	QC1034050	Soil	303868	12/23/22 11:09	1.0	1	4:ALASAL2O3=510
041	met06_master	PDS	QC1034226	Soil	303868	12/23/22 11:13	1.0	1	3:ALASAL2O3=440
042	met06_master	SAMPLE	475620-001	Miscell.	303868	12/23/22 11:16	1.0	1	
043	met06_master	SAMPLE	475620-001	Miscell.	303868	12/23/22 11:24	1.0	1	
044	met06_master	SAMPLE	475621-001	Miscell.	303868	12/23/22 11:27	1.0	1	
045	met06_master	SAMPLE	475180-032	Soil	303868	12/23/22 11:30	1.0	1	
046	met06_master	SAMPLE	475180-033	Soil	303868	12/23/22 11:33	1.0	1	
047	met06_master	CCV				12/23/22 11:37	1.0	10 1	
048	met06_master	CCB				12/23/22 11:43	1.0	1	
049	met06_master	SAMPLE	475180-034	Soil	303868	12/23/22 11:46	1.0	1	1:FE=190
050	met06_master	SAMPLE	475180-035	Soil	303868	12/23/22 11:49	1.0	1	1:FE=190
051	met06_master	SAMPLE	475180-036	Soil	303868	12/23/22 11:53	1.0	1	1:FE=200
052	met06_master	SAMPLE	475180-037	Soil	303868	12/23/22 11:56	1.0	1	1:FE=190

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	475180-038	Soil	303868	12/23/22 11:59	1.0	1	1:FE=220
054	met06_master	SAMPLE	475180-039	Soil	303868	12/23/22 12:02	1.0	1	2:FE=210
055	met06_master	SAMPLE	475180-041	Soil	303868	12/23/22 12:06	1.0	1	1:FE=180
056	met06_master	SAMPLE	475180-042	Soil	303868	12/23/22 12:09	1.0	1	
057	met06_master	SAMPLE	475180-043	Soil	303868	12/23/22 12:12	1.0	1	2:FE=200
058	met06_master	SAMPLE	475180-044	Soil	303868	12/23/22 12:15	1.0	1	1:FE=170
059	met06_master	CCV				12/23/22 12:19	1.0	10 1	
060	met06_master	CCB				12/23/22 12:24	1.0	1	
061	met06_master	BLANK	QC1034040	Soil	303866	12/23/22 12:27	1.0	1	
062	met06_master	PDS	QC1033246	Soil	303610	12/23/22 12:30	1.0	1	4:FEASFE2O3=390
063	met06_master	LCS	QC1033543	Soil	303721	12/23/22 12:33	1.0	1	
064	met06_master	SAMPLE	475180-045	Soil	303868	12/23/22 12:37	1.0	1	1:FE=230
065	met06_master	SAMPLE	475180-046	Soil	303868	12/23/22 12:40	1.0	1	1:FE=200
066	met06_master	SAMPLE	475180-047	Soil	303868	12/23/22 12:43	1.0	1	
067	met06_master	SAMPLE	475180-048	Soil	303868	12/23/22 12:46	1.0	1	1:FE=230
068	met06_master	SAMPLE	475180-049	Soil	303868	12/23/22 12:50	1.0	1	2:FE=240
069	met06_master	MSS	473490-001	Soil	303866	12/23/22 12:53	1.0	1	5:ALASAL2O3=430
070	met06_master	MS	QC1034042	Soil	303866	12/23/22 12:56	1.0	1	5:ALASAL2O3=560
071	met06_master	CCV				12/23/22 12:59	1.0	10 1	
072	met06_master	CCB				12/23/22 13:05	1.0	1	
073	met06_master	MSD	QC1034043	Soil	303866	12/23/22 13:08	1.0	1	5:ALASAL2O3=510
074	met06_master	PDS	QC1034249	Soil	303866	12/23/22 13:11	1.0	1	5:ALASAL2O3=420
075	met06_master	SAMPLE	473490-002	Soil	303866	12/23/22 13:15	1.0	1	3:FE=310
076	met06_master	SAMPLE	473490-003	Soil	303866	12/23/22 13:18	1.0	1	3:FE=320
077	met06_master	SAMPLE	473490-004	Soil	303866	12/23/22 13:21	1.0	1	2:FE=310
078	met06_master	SAMPLE	473490-005	Soil	303866	12/23/22 13:24	1.0	1	2:FE=310

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master	SAMPLE	473490-006	Soil	303866	12/23/22 13:28	1.0	1	2:FE=310
080	met06_master	SAMPLE	473490-007	Soil	303866	12/23/22 13:31	1.0	1	2:FE=300
081	met06_master	SAMPLE	473490-008	Soil	303866	12/23/22 13:34	1.0	1	2:FE=300
082	met06_master	SAMPLE	473490-009	Soil	303866	12/23/22 13:37	1.0	1	2:FE=310
083	met06_master	CCV				12/23/22 13:41	1.0	10 1	
084	met06_master	XCCB				12/23/22 13:44	1.0	1	
085	met06_master	CCB				12/23/22 13:48	1.0	1	
086	met06_master	BLANK	QC1034203	Wipe	303906	12/23/22 13:51	1.0	1	
087	met06_master	BS	QC1034204	Wipe	303906	12/23/22 13:54	1.0	1	
088	met06_master	BSD	QC1034205	Wipe	303906	12/23/22 13:58	1.0	1	
089	met06_master	SAMPLE	474637-001	Water	303192	12/23/22 14:01	1.0	1	
090	met06_master	SAMPLE	474637-002	Water	303192	12/23/22 14:04	1.0	1	
091	met06_master	SAMPLE	474637-003	Water	303192	12/23/22 14:07	1.0	1	
092	met06_master	SAMPLE	473490-010	Soil	303866	12/23/22 14:11	1.0	1	2:FE=300
093	met06_master	SAMPLE	475736-002	Wipe	303906	12/23/22 14:14	1.0	1	
094	met06_master	SAMPLE	475736-004	Wipe	303906	12/23/22 14:17	1.0	1	
095	met06_master	SAMPLE	475736-006	Wipe	303906	12/23/22 14:20	1.0	1	
096	met06_master	CCV				12/23/22 14:24	1.0	10 1	
097	met06_master	CCB				12/23/22 14:29	1.0	1	
098	met06_master	SAMPLE	474637-001	Water	303192	12/23/22 14:33	5.0	1	2:NA=2400
099	met06_master	SAMPLE	474637-002	Water	303192	12/23/22 14:36	5.0	1	2:SULFUR=2600
100	met06_master	SAMPLE	474637-003	Water	303192	12/23/22 14:39	5.0	1	2:NA=2400
101	met06_master	SAMPLE	475736-007	Wipe	303906	12/23/22 14:42	1.0	1	
102	met06_master	SAMPLE	475736-010	Wipe	303906	12/23/22 14:46	1.0	1	
103	met06_master	SAMPLE	475736-012	Wipe	303906	12/23/22 14:49	1.0	1	
104	met06_master	SAMPLE	475736-013	Wipe	303906	12/23/22 14:52	1.0	1	

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	SAMPLE	475736-015	Wipe	303906	12/23/22 14:55	1.0	1	
106	met06_master	SAMPLE	475736-017	Wipe	303906	12/23/22 14:58	1.0	1	
107	met06_master	SAMPLE	475736-019	Wipe	303906	12/23/22 15:02	1.0	1	
108	met06_master	CCV				12/23/22 15:05	1.0	10 1	
109	met06_master	CCB				12/23/22 15:08	1.0	1	
110	met06_master	SAMPLE	475736-021	Wipe	303906	12/23/22 15:12	1.0	1	
111	met06_master	SAMPLE	475736-023	Wipe	303906	12/23/22 15:15	1.0	1	
112	met06_master	SAMPLE	475736-025	Wipe	303906	12/23/22 15:18	1.0	1	
113	met06_master	SAMPLE	475736-027	Wipe	303906	12/23/22 15:21	1.0	1	
114	met06_master	SAMPLE	475736-029	Wipe	303906	12/23/22 15:25	1.0	1	1:FE=190
115	met06_master	SAMPLE	475736-031	Wipe	303906	12/23/22 15:28	1.0	1	
116	met06_master	SAMPLE	475736-033	Wipe	303906	12/23/22 15:31	1.0	1	
117	met06_master	SAMPLE	475736-035	Wipe	303906	12/23/22 15:34	1.0	1	
118	met06_master	SAMPLE	475736-037	Wipe	303906	12/23/22 15:38	1.0	1	
119	met06_master	SAMPLE	475736-039	Wipe	303906	12/23/22 15:41	1.0	1	
120	met06_master	CCV				12/23/22 15:44	1.0	10 1	
121	met06_master	CCB				12/23/22 15:47	1.0	1	
122	met06_master	BLANK	QC1034333	WET Leachate	303944	12/23/22 15:51	1.0	1	
123	met06_master	BS	QC1034334	WET Leachate	303944	12/23/22 15:54	1.0	1	
124	met06_master	BSD	QC1034335	WET Leachate	303944	12/23/22 15:57	1.0	1	
125	met06_master	SAMPLE	474542-003	WET Leachate	303944	12/23/22 16:00	1.0	1	
126	met06_master	SAMPLE	474542-007	WET Leachate	303944	12/23/22 16:04	1.0	1	
127	met06_master	SAMPLE	474734-001	WET Leachate	303944	12/23/22 16:07	1.0	1	
128	met06_master	SAMPLE	475016-004	WET Leachate	303944	12/23/22 16:10	1.0	1	
129	met06_master	SAMPLE	475199-001	WET Leachate	303944	12/23/22 16:13	1.0	1	
130	met06_master	SAMPLE	475199-002	WET Leachate	303944	12/23/22 16:17	1.0	1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master	SAMPLE	475620-001	WET Leachate	303944	12/23/22 16:20	1.0	1	
132	met06_master	CCV				12/23/22 16:24	1.0	10 1	
133	met06_master	XICB				12/23/22 16:27	1.0	1	
134	met06_master	CCB				12/23/22 16:32	1.0	1	
135	met06_master	SAMPLE	475621-001	WET Leachate	303944	12/23/22 16:35	1.0	1	
136	met06_master	BLANK	QC1034233	Soil	303917	12/23/22 16:38	1.0	1	
137	met06_master	LCS	QC1034234	Soil	303917	12/23/22 16:42	1.0	1	
138	met06_master	SAMPLE	474594-001	Miscell.	303917	12/23/22 16:45	1.0	1	1:P=79
139	met06_master	SAMPLE	474902-010	Soil	303917	12/23/22 16:48	1.0	1	
140	met06_master	SAMPLE	474922-001	Miscell.	303917	12/23/22 16:52	1.0	1	
141	met06_master	SAMPLE	475086-002	Soil	303917	12/23/22 16:55	1.0	1	1:P=11
142	met06_master	MSS	475318-001	Soil	303917	12/23/22 16:58	1.0	1	4:ALASAL2O3=410
143	met06_master	MS	QC1034235	Soil	303917	12/23/22 17:01	1.0	1	4:ALASAL2O3=470
144	met06_master	MSD	QC1034236	Soil	303917	12/23/22 17:04	1.0	1	4:ALASAL2O3=490
145	met06_master	CCV				12/23/22 17:08	1.0	10 1	
146	met06_master	XCCB				12/23/22 17:11	1.0	1	
147	met06_master	CCB				12/23/22 17:16	1.0	1	
148	met06_master	PDS	QC1034377	Soil	303917	12/23/22 17:19	1.0	1	4:ALASAL2O3=400
149	met06_master	SAMPLE	475367-001	Soil	303917	12/23/22 17:22	1.0	1	2:FE=230
150	met06_master	BLANK	QC1034212	Wipe	303908	12/23/22 17:25	1.0	1	
151	met06_master	BS	QC1034213	Wipe	303908	12/23/22 17:29	1.0	1	
152	met06_master	BSD	QC1034214	Wipe	303908	12/23/22 17:32	1.0	1	
153	met06_master	SAMPLE	475736-041	Wipe	303908	12/23/22 17:35	1.0	1	
154	met06_master	SAMPLE	475736-043	Wipe	303908	12/23/22 17:39	1.0	1	
155	met06_master	SAMPLE	475736-046	Wipe	303908	12/23/22 17:42	1.0	1	
156	met06_master	SAMPLE	475736-048	Wipe	303908	12/23/22 17:45	1.0	1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master	SAMPLE	475736-050	Wipe	303908	12/23/22 17:48	1.0	1	
158	met06_master	CCV				12/23/22 17:52	1.0	10 1	
159	met06_master	CCB				12/23/22 17:57	1.0	1	
160	met06_master	SAMPLE	475736-052	Wipe	303908	12/23/22 18:01	1.0	1	1:FE=400
161	met06_master	SAMPLE	475736-054	Wipe	303908	12/23/22 18:04	1.0	1	
162	met06_master	SAMPLE	475736-056	Wipe	303908	12/23/22 18:07	1.0	1	
163	met06_master	SAMPLE	475736-058	Wipe	303908	12/23/22 18:11	1.0	1	
164	met06_master	SAMPLE	475743-003	Wipe	303908	12/23/22 18:14	1.0	1	
165	met06_master	SAMPLE	475743-005	Wipe	303908	12/23/22 18:17	1.0	1	
166	met06_master	SAMPLE	475743-006	Wipe	303908	12/23/22 18:20	1.0	1	
167	met06_master	SAMPLE	475743-008	Wipe	303908	12/23/22 18:24	1.0	1	
168	met06_master	SAMPLE	475743-009	Wipe	303908	12/23/22 18:27	1.0	1	
169	met06_master	SAMPLE	475743-012	Wipe	303908	12/23/22 18:30	1.0	1	
170	met06_master	CCV				12/23/22 18:33	1.0	10 1	
171	met06_master	CCB				12/23/22 18:37	1.0	1	
172	met06_master	SAMPLE	475743-014	Wipe	303908	12/23/22 18:40	1.0	1	
173	met06_master	SAMPLE	475744-002	Wipe	303908	12/23/22 18:43	1.0	1	
174	met06_master	SAMPLE	475744-004	Wipe	303908	12/23/22 18:46	1.0	1	
175	met06_master	BLANK	QC1034240	Soil	303919	12/23/22 18:50	1.0	1	
176	met06_master	BS	QC1034241	Soil	303919	12/23/22 18:53	1.0	1	
177	met06_master	BSD	QC1034242	Soil	303919	12/23/22 18:56	1.0	1	
178	met06_master	SAMPLE	473490-011	Soil	303919	12/23/22 18:59	1.0	1	2:FE=270
179	met06_master	SAMPLE	473490-012	Soil	303919	12/23/22 19:03	1.0	1	2:FE=270
180	met06_master	SAMPLE	473490-013	Soil	303919	12/23/22 19:06	1.0	1	3:FE=290
181	met06_master	SAMPLE	473490-014	Soil	303919	12/23/22 19:09	1.0	1	3:FE=280
182	met06_master	CCV				12/23/22 19:13	1.0	10 1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master	CCB				12/23/22 19:16	1.0	1	
184	met06_master	SAMPLE	473490-015	Soil	303919	12/23/22 19:19	1.0	1	3:FE=310
185	met06_master	SAMPLE	473490-016	Soil	303919	12/23/22 19:22	1.0	1	3:FE=290
186	met06_master	SAMPLE	473490-017	Soil	303919	12/23/22 19:25	1.0	1	3:FE=300
187	met06_master	SAMPLE	473490-018	Soil	303919	12/23/22 19:29	1.0	1	3:FE=310
188	met06_master	SAMPLE	473490-019	Soil	303919	12/23/22 19:32	1.0	1	3:FE=320
189	met06_master	SAMPLE	473490-020	Soil	303919	12/23/22 19:35	1.0	1	3:FE=320
190	met06_master	BLANK	QC1033847	Soil	303811	12/23/22 19:38	1.0	1	
191	met06_master	LCS	QC1033848	Soil	303811	12/23/22 19:42	1.0	1	
192	met06_master	MSS	475180-012	Soil	303811	12/23/22 19:45	1.0	1	3:FEASFE2O3=270
193	met06_master	MS	QC1033849	Soil	303811	12/23/22 19:48	1.0	1	3:ALASAL2O3=360
194	met06_master	CCV				12/23/22 19:52	1.0	10 1	
195	met06_master	CCB				12/23/22 19:55	1.0	1	
196	met06_master	MSD	QC1033850	Soil	303811	12/23/22 19:58	1.0	1	3:ALASAL2O3=380
197	met06_master	PDS	QC1033851	Soil	303811	12/23/22 20:01	1.0	1	3:FEASFE2O3=270
198	met06_master	SAMPLE	475180-013	Soil	303811	12/23/22 20:05	1.0	1	1:FE=200
199	met06_master	SAMPLE	475180-014	Soil	303811	12/23/22 20:08	1.0	1	1:FE=160
200	met06_master	SAMPLE	475180-015	Soil	303811	12/23/22 20:11	1.0	1	1:FE=280
201	met06_master	SAMPLE	475180-016	Soil	303811	12/23/22 20:14	1.0	1	1:FE=170
202	met06_master	SAMPLE	475180-017	Soil	303811	12/23/22 20:18	1.0	1	1:FE=230
203	met06_master	SAMPLE	475180-018	Soil	303811	12/23/22 20:21	1.0	1	2:FE=230
204	met06_master	SAMPLE	475180-019	Soil	303811	12/23/22 20:24	1.0	1	
205	met06_master	MSS	475180-020	Soil	303811	12/23/22 20:27	1.0	1	2:ALASAL2O3=220
206	met06_master	CCV				12/23/22 20:31	1.0	10 1	
207	met06_master	CCB				12/23/22 20:34	1.0	1	
208	met06_master	MS	QC1034318	Soil	303811	12/23/22 20:37	1.0	1	3:ALASAL2O3=320

Instrument: MET06 Begun: 12/23/22 08:47
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master	MSD	QC1034319	Soil	303811	12/23/22 20:40	1.0	1	3:ALASAL2O3=310
210	met06_master	PDS	QC1034392	Soil	303811	12/23/22 20:44	1.0	1	2:ALASAL2O3=220
211	met06_master	SAMPLE	475180-021	Soil	303811	12/23/22 20:47	1.0	1	1:FE=220
212	met06_master	SAMPLE	475180-022	Soil	303811	12/23/22 20:50	1.0	1	
213	met06_master	SAMPLE	475180-023	Soil	303811	12/23/22 20:53	1.0	1	1:FE=180
214	met06_master	SAMPLE	475180-024	Soil	303811	12/23/22 20:57	1.0	1	1:FE=230
215	met06_master	SAMPLE	475180-025	Soil	303811	12/23/22 21:00	1.0	1	1:FE=200
216	met06_master	SAMPLE	475180-026	Soil	303811	12/23/22 21:03	1.0	1	2:FE=240
217	met06_master	SAMPLE	475180-027	Soil	303811	12/23/22 21:06	1.0	1	1:FE=290
218	met06_master	CCV				12/23/22 21:10	1.0	10 1	
219	met06_master	CCB				12/23/22 21:13	1.0	1	
220	met06_master	SAMPLE	475180-028	Soil	303811	12/23/22 21:16	1.0	1	2:FE=320
221	met06_master	SAMPLE	475180-029	Soil	303811	12/23/22 21:19	1.0	1	1:FE=220
222	met06_master	SAMPLE	475180-030	Soil	303811	12/23/22 21:23	1.0	1	1:FE=190
223	met06_master	SAMPLE	475180-031	Soil	303811	12/23/22 21:26	1.0	1	1:FE=170
224	met06_master	BLANK	QC1034374	WET Leachate	303958	12/23/22 21:29	1.0	1	
225	met06_master	BS	QC1034375	WET Leachate	303958	12/23/22 21:33	1.0	1	
226	met06_master	BSD	QC1034376	WET Leachate	303958	12/23/22 21:36	1.0	1	
227	met06_master	SAMPLE	469333-013	WET Leachate	303958	12/23/22 21:39	1.0	1	
228	met06_master	SAMPLE	469333-027	WET Leachate	303958	12/23/22 21:42	1.0	1	
229	met06_master	SAMPLE	469333-029	WET Leachate	303958	12/23/22 21:46	1.0	1	
230	met06_master	CCV				12/23/22 21:49	1.0	10 1	
231	met06_master	CCB				12/23/22 21:52	1.0	1	
232	met06_master	SAMPLE	469333-031	WET Leachate	303958	12/23/22 21:55	1.0	1	
233	met06_master	CCV				12/23/22 21:59	1.0	10 1	
234	met06_master	CCB				12/23/22 22:02	1.0	1	

Enthalpy Sequence Summary for Sequence 482514607

Instrument:	MET06	Begun:	12/23/22 08:47
Method:	EPA 6010B		

SBW 12/27/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 234.

Standards Used:

1=S13369 2=S17470 3=S17469 4=S17466 5=S17429 6=S17316 7=S17333 8=S17334 9=S17210 10=S17413 11=S17318 12=S17207 13=S17208

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	475744-002	Client ID:	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA
Seqnum:	482514607173	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	303908	Time:	23-DEC-2022 18:43
Cal:	482514607001	Caldate:	23-DEC-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.02 ft2 ⇨ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	12.87	630	0.25		**<a-** u **b***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	919101	955716	3.98

-=low bias <=opening a=ICSA b=noncompliant u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 475744-002,303908			Sample Type: Unknown Sample
Measure Date: 2022-12-23 18:43:41	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31213.60000000	12996.10000000	3693.86000000	7932.32000000	15362.80000000	51606.60000000	7446.72000000
Int RSD	*1.02974665*	*2.86235871*	*1.61773321*	*0.71313311*	*1.03952405*	*1.48118070*	*0.32715209*
Int SD	*321.42100000*	*371.99500000*	*59.75680000*	*56.56800000*	*159.70000000*	*764.38700000*	*24.36210000*
RelInt Mean	0.00001690	0.07188650	0.00013589	0.00289991	0.01090970	0.29622100	0.00296321
RelInt RSD	*10.57046503*	*4.53103156*	*50.42284823*	*4.19157836*	*1.39924104*	*2.39049223*	*0.61614263*
RelInt SD	*0.00000179*	*0.00325720*	*0.00006852*	*0.00012155*	*0.00015265*	*0.00708114*	*0.00001826*
Conc Mean	<-0.00038112[mg/l]	6.39246000[mg/l]	0.01221780[mg/l]	0.01694650[mg/l]	0.03267210[mg/l]	24.26880000[mg/l]	0.01752430[mg/l]
Conc RSD	*18.77669791*	*4.69246581*	*30.11769713*	*8.53220429*	*1.42013216*	*2.39103705*	*0.67850927*
Conc SD	*0.00007156[mg/l]*	*0.29996400[mg/l]*	*0.00367972[mg/l]*	*0.00144591[mg/l]*	*0.00046399[mg/l]*	*0.58027600[mg/l]*	*0.00011890[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	14299.70000000	459837	26691300	6870.55000000	6160.62000000	1382660	4350.11000000
Int RSD	*0.45342839*	*1.28537069*	*0.40901342*	*4.88544585*	*1.66837104*	*0.41471656*	*1.03944728*
Int SD	*64.83890000*	*5910.61000000*	*109171*	*335.65700000*	*102.78200000*	*5734.12000000*	*45.21710000*
RelInt Mean	0.00989626	0.01544260	28.10410000	0.03993470	0.03235110	1.44917000	0.00043552
RelInt RSD	*0.72309438*	*1.05750327*	*0.25381065*	*6.13328759*	*2.13125674*	*0.55906139*	*14.32145170*
RelInt SD	*0.00007156*	*0.00016331*	*0.07133120*	*0.00244931*	*0.00068948*	*0.00810175*	*0.00006237*
Conc Mean	0.06936240[mg/l]	0.46295300[mg/l]	91.67400000[mg/l]	3.89751000[mg/l]	6.80717000[mg/l]	0.86225300[mg/l]	0.00260381[mg/l]
Conc RSD	*0.72643536*	*1.06939365*	*0.25373716*	*6.04398706*	*2.09671567*	*0.55912244*	*17.58035341*
Conc SD	*0.00050387[mg/l]*	*0.00495079[mg/l]*	*0.23261100[mg/l]*	*0.23556500[mg/l]*	*0.14272700[mg/l]*	*0.00482105[mg/l]*	*0.00045776[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	104487	19167.40000000	379450	4189.72000000	3689.30000000	9238.58000000	6216.97000000
Int RSD	*0.85256731*	*0.69104313*	*0.11504862*	*0.74345064*	*0.26118939*	*0.43596418*	*3.12012122*
Int SD	*890.82200000*	*132.45500000*	*436.55200000*	*31.14850000*	*9.63606000*	*40.27690000*	*193.97700000*
RelInt Mean	0.58076900	0.01487170	0.39387600	0.00034696	0.00023191	0.00524099	0.03432580
RelInt RSD	*0.56541413*	*1.07917051*	*0.08911536*	*11.33382714*	*15.08552998*	*0.84395505*	*4.48837318*
RelInt SD	*0.00328375*	*0.00016049*	*0.00035100*	*0.00003932*	*0.00003498*	*0.00004423*	*0.00154067*
Conc Mean	8.11326000[mg/l]	0.14695200[mg/l]	>12.87210000[mg/l]	0.02045270[mg/l]	0.01612260[mg/l]	0.09421580[mg/l]	0.02996100[mg/l]
Conc RSD	*0.57047722*	*1.09240432*	*0.08934051*	*10.40371198*	*14.28870033*	*0.85618336*	*4.41066720*
Conc SD	*0.04628430[mg/l]*	*0.00160531[mg/l]*	*0.01150000[mg/l]*	*0.00212784[mg/l]*	*0.00230371[mg/l]*	*0.00080666[mg/l]*	*0.00132148[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	1024540	3392.91000000	10410.80000000	955716	27884400	174262	1249800
Int RSD	*0.88383274*	*0.22228382*	*2.15042072*	*0.15250974*	*0.58184863*	*0.82268079*	*0.22598096*
Int SD	*9055.22000000*	*7.54189000*	*223.87600000*	*1457.56000000*	*162245*	*1433.62000000*	*2824.31000000*
RelInt Mean	0.03556160	-0.00053207	0.00011983	---	---	---	1.31192000
RelInt RSD	*1.10448911*	*5.46132681*	*7.19572891*	---	---	---	*0.16105022*
RelInt SD	*0.00039277*	*0.00002906*	*0.00000862*	---	---	---	*0.00211285*
Conc Mean	0.32891300[mg/l]	<-0.02177320[mg/l]	0.01632720[mg/l]	949425	27831900	173958	>5.36903000[mg/l]
Conc RSD	*1.10434978*	*6.15977440*	*9.62963643*	---	---	---	*0.16121217*
Conc SD	*0.00363235[mg/l]*	*0.00134118[mg/l]*	*0.00157225[mg/l]*	*1504.46000000*	*162298*	*1372.82000000*	*0.00865553[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-15.21340000	2276.70000000	609148	25197.80000000	5013.66000000	51269.00000000	
Int RSD	*768.10574888*	*3.84958932*	*0.64398471*	*0.23765805*	*0.47874607*	*0.47158517*	
Int SD	*116.85500000*	*87.64360000*	*3922.82000000*	*59.88460000*	*24.00270000*	*241.77700000*	
RelInt Mean	-0.00092924	0.00276646	0.63478100	0.02256510	-0.00012257	0.04995580	
RelInt RSD	*84.80336187*	*21.79738727*	*0.60576955*	*0.40441700*	*31.17373994*	*0.46965718*	
RelInt SD	*0.00078803*	*0.00060302*	*0.00384531*	*0.00009126*	*0.00003821*	*0.00023462*	
Conc Mean	<0.00005273[mg/l]	<0.00368711[mg/l]	9.85406000[mg/l]	0.81350100[mg/l]	<-0.00090890[mg/l]	4.82988000[mg/l]	
Conc RSD	*6420.99733152*	*31.25428859*	*0.60930824*	*0.41885628*	*15.30043943*	*0.46917936*	
Conc SD	*0.00338558[mg/l]*	*0.00115238[mg/l]*	*0.06004160[mg/l]*	*0.00340740[mg/l]*	*0.00013907[mg/l]*	*0.02266080[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	475744-004	Client ID:	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB
Seqnum:	482514607174	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	303908	Time:	23-DEC-2022 18:46
Cal:	482514607001	Caldate:	23-DEC-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.528	180	0.25		**<a-** u **b***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	919101	958704	4.31

-=low bias <=opening a=ICSA b=noncompliant u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 475744-004,303908			Sample Type: Unknown Sample
Measure Date: 2022-12-23 18:46:56	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31364.50000000	7157.97000000	3856.33000000	7731.74000000	9805.52000000	39781.90000000	7192.32000000
Int RSD	*1.27612428*	*3.98350370*	*1.92344794*	*1.45200175*	*0.75672682*	*2.15190074*	*0.33136040*
Int SD	*400.25000000*	*285.13800000*	*74.17450000*	*112.26500000*	*74.20100000*	*856.06700000*	*23.83250000*
RelInt Mean	0.00001769	0.03838740	0.00061630	0.00267217	0.00504599	0.22625100	0.00265504
RelInt RSD	*14.52288210*	*5.36686517*	*13.09144278*	*4.68817478*	*1.81868375*	*3.51744302*	*0.25094688*
RelInt SD	*0.00000257*	*0.00206020*	*0.00008068*	*0.00012528*	*0.00009177*	*0.00795825*	*0.00000666*
Conc Mean	<-0.00034962[mg/l]	3.30745000[mg/l]	0.03796740[mg/l]	0.01423740[mg/l]	0.01468280[mg/l]	18.53460000[mg/l]	0.01579040[mg/l]
Conc RSD	*29.43012087*	*5.73644348*	*11.41065756*	*10.46630705*	*1.87535756*	*3.51860844*	*0.30913530*
Conc SD	*0.00010289[mg/l]*	*0.18973000[mg/l]*	*0.00433233[mg/l]*	*0.00149013[mg/l]*	*0.00027536[mg/l]*	*0.65216000[mg/l]*	*0.00004881[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	21707.90000000	379983	27895100	5899.48000000	5010.18000000	1017490	12114.50000000
Int RSD	*0.41000511*	*1.76436577*	*0.61575689*	*7.08981131*	*4.18715495*	*0.39923242*	*0.65461224*
Int SD	*89.00350000*	*6704.29000000*	*171766*	*418.26200000*	*209.78400000*	*4062.15000000*	*79.30300000*
RelInt Mean	0.01763620	0.01275740	29.28010000	0.03403310	0.02547660	1.06140000	0.00881326
RelInt RSD	*0.83121081*	*1.60198787*	*0.34378981*	*8.47339796*	*7.36903668*	*0.12118428*	*1.55837908*
RelInt SD	*0.00014659*	*0.00020437*	*0.10066200*	*0.00288376*	*0.00187738*	*0.00128625*	*0.00013734*
Conc Mean	0.12386400[mg/l]	0.38155000[mg/l]	95.51020000[mg/l]	3.32991000[mg/l]	5.38410000[mg/l]	0.63150000[mg/l]	0.06408890[mg/l]
Conc RSD	*0.83317994*	*1.62360110*	*0.34382610*	*8.32887375*	*7.21823517*	*0.12138702*	*1.57270604*
Conc SD	*0.00103201[mg/l]*	*0.00619485[mg/l]*	*0.32838900[mg/l]*	*0.27734400[mg/l]*	*0.38863700[mg/l]*	*0.00076656[mg/l]*	*0.00100793[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	99398.00000000	22051.80000000	107808	4032.85000000	3421.79000000	7226.79000000	4878.23000000
Int RSD	*0.61768446*	*0.45296847*	*0.42011075*	*1.32022267*	*1.23161562*	*0.31354031*	*2.54459097*
Int SD	*613.96600000*	*99.88770000*	*452.91300000*	*53.24260000*	*42.14330000*	*22.65890000*	*124.13100000*
RelInt Mean	0.54682000	0.01787430	0.10791600	0.00041720	0.00015215	0.00362198	0.02660820
RelInt RSD	*1.38391427*	*0.69067320*	*0.15387431*	*14.55528630*	*36.30233322*	*0.92989194*	*4.16394194*
RelInt SD	*0.00756752*	*0.00012345*	*0.00016606*	*0.00006072*	*0.00005523*	*0.00003368*	*0.00110795*
Conc Mean	7.63477000[mg/l]	0.17698900[mg/l]	3.52761000[mg/l]	0.02393000[mg/l]	0.01087060[mg/l]	0.06469280[mg/l]	0.02334150[mg/l]
Conc RSD	*1.39709513*	*0.69778913*	*0.15310054*	*13.74283326*	*33.45822678*	*0.94938077*	*4.07134931*
Conc SD	*0.10666500[mg/l]*	*0.00123501[mg/l]*	*0.00540079[mg/l]*	*0.00328866[mg/l]*	*0.00363711[mg/l]*	*0.00061418[mg/l]*	*0.00095031[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	716674	3044.52000000	9477.74000000	958704	27487600	175730	449970
Int RSD	*2.29859043*	*0.64636462*	*1.75230593*	*0.28291840*	*0.21940875*	*1.46424060*	*0.25817499*
Int SD	*16473.40000000*	*19.67870000*	*166.07900000*	*2712.35000000*	*60310.20000000*	*2573.11000000*	*1161.71000000*
RelInt Mean	0.02486680	-0.00049520	0.00008822	---	---	---	0.46868100
RelInt RSD	*2.33584538*	*1.71686420*	*2.84006874*	---	---	---	*0.40142229*
RelInt SD	*0.00058085*	*0.00000850*	*0.00000251*	---	---	---	*0.00188139*
Conc Mean	0.23000400[mg/l]	<-0.01997190[mg/l]	0.01053980[mg/l]	952397	27436200	175455	1.91684000[mg/l]
Conc RSD	*2.33559851*	*2.01781503*	*4.33433272*	---	---	---	*0.40179984*
Conc SD	*0.00537197[mg/l]*	*0.00040300[mg/l]*	*0.00045683[mg/l]*	*2707.98000000*	*60573.30000000*	*2515.12000000*	*0.00770186[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17.27720000	2241.92000000	395883	18096.40000000	4894.83000000	51793.50000000	
Int RSD	*624.00157433*	*5.00758279*	*0.25653539*	*0.72618311*	*0.84782311*	*0.77321479*	
Int SD	*107.81000000*	*112.26600000*	*1015.58000000*	*131.41300000*	*41.49950000*	*400.47500000*	
RelInt Mean	-0.00090118	0.00240575	0.40933300	0.01542180	-0.00027086	0.05064540	
RelInt RSD	*70.65560418*	*16.14939208*	*0.22892291*	*1.19756449*	*14.64889092*	*0.55999163*	
RelInt SD	*0.00063674*	*0.00038851*	*0.00093706*	*0.00018469*	*0.00003968*	*0.00028361*	
Conc Mean	<0.00017329[mg/l]	<0.00299779[mg/l]	6.33191000[mg/l]	0.54671300[mg/l]	<-0.00157955[mg/l]	4.89650000[mg/l]	
Conc RSD	*1578.64121371*	*24.76681155*	*0.23076291*	*1.26176623*	*9.09904720*	*0.55945880*	
Conc SD	*0.00273558[mg/l]*	*0.00074246[mg/l]*	*0.01461170[mg/l]*	*0.00689824[mg/l]*	*0.00014372[mg/l]*	*0.02739390[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1034212		
Seqnum:	482514607150.3	Matrix:	Wipe		
File:	met06_master	Batch:	303908	Time:	23-DEC-2022 17:25
Cal:	482514607001	Caldate:	23-DEC-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.001512	ND	0.25	**<a-** u **b***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	919101	890380	-3.12

-=low bias <=opening a=ICSA b=noncompliant u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1034212,303908			Sample Type: Unknown Sample
Measure Date: 2022-12-23 17:25:59	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	33834.80000000	829.14300000	2299.08000000	6192.51000000	5029.08000000	102.11700000	4688.32000000
Int RSD	*1.30233960*	*5.89643765*	*1.90300468*	*0.44775059*	*0.49601319*	*64.85707571*	*0.36351828*
Int SD	*440.64400000*	*48.88990000*	*43.75160000*	*27.72700000*	*24.94490000*	*66.23010000*	*17.04290000*
RelInt Mean	0.00002399	0.00332638	-0.00014165	0.00168537	0.00010829	0.00000131	-0.00001158
RelInt RSD	*42.94582628*	*9.03119908*	*35.99117543*	*0.90083483*	*21.73281865*	*37192.03065134*	*104.56786606*
RelInt SD	*0.00001030*	*0.00030041*	*0.00005098*	*0.00001518*	*0.00002353*	*0.00048536*	*0.00001211*
Conc Mean	<-0.00009739[mg/l]	0.07859480[mg/l]	<-0.00262540[mg/l]	0.00249931[mg/l]	<-0.00008648[mg/l]	<-0.00692957[mg/l]	<-0.00035998[mg/l]
Conc RSD	*423.63332248*	*35.20092932*	*104.28315685*	*7.22655453*	*90.64499455*	*574.00242728*	*17.82983960*
Conc SD	*0.00041258[mg/l]*	*0.02766610[mg/l]*	*0.00273785[mg/l]*	*0.00018061[mg/l]*	*0.00007839[mg/l]*	*0.03977590[mg/l]*	*0.00006418[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	4697.42000000	35549.30000000	18858.00000000	-229.75500000	417.63000000	14895.80000000	4649.34000000
Int RSD	*0.45309553*	*0.71540930*	*21.71327818*	*31.60962765*	*11.53638388*	*1.05924489*	*8.26209742*
Int SD	*21.28380000*	*254.32300000*	*4094.69000000*	*72.62470000*	*48.17940000*	*157.78300000*	*384.13300000*
RelInt Mean	0.00017602	0.00019016	0.01496760	-0.00080136	-0.00093195	0.01045540	0.00176578
RelInt RSD	*17.72896936*	*2.01605473*	*31.81031027*	*33.17002803*	*28.91291028*	*0.84488398*	*24.61342863*
RelInt SD	*0.00003121*	*0.00000383*	*0.00476124*	*0.00026581*	*0.00026945*	*0.00008834*	*0.00043462*
Conc Mean	0.00091623[mg/l]	<0.00056379[mg/l]	0.04775220[mg/l]	<-0.02030630[mg/l]	<-0.08273100[mg/l]	0.00610938[mg/l]	0.01236670[mg/l]
Conc RSD	*23.98325313*	*20.61504952*	*32.52436537*	*125.89491931*	*67.42273150*	*0.86044247*	*25.79257199*
Conc SD	*0.00021974[mg/l]*	*0.00011623[mg/l]*	*0.01553110[mg/l]*	*0.02556460[mg/l]*	*0.05577950[mg/l]*	*0.00005257[mg/l]*	*0.00318969[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	6320.41000000	5264.03000000	4888.56000000	3490.52000000	2637.44000000	3955.09000000	142.88500000
Int RSD	*3.18773624*	*0.27418537*	*0.37767154*	*0.08621208*	*0.25103623*	*1.54688515*	*46.88770690*
Int SD	*201.47800000*	*14.43320000*	*18.46270000*	*3.00925000*	*6.62093000*	*61.18070000*	*66.99550000*
RelInt Mean	0.01635770	0.00031762	-0.00009551	0.00013906	0.00009168	0.00188339	-0.00088618
RelInt RSD	*2.33128741*	*2.89261382*	*34.26720595*	*7.25486671*	*37.88444297*	*3.91228052*	*7.43416947*
RelInt SD	*0.00038135*	*0.00000919*	*0.00003273*	*0.00001009*	*0.00003473*	*0.00007368*	*0.00006588*
Conc Mean	0.15799900[mg/l]	0.00135776[mg/l]	<-0.00151179[mg/l]	0.00961459[mg/l]	0.00688900[mg/l]	0.03298940[mg/l]	<-0.00024096[mg/l]
Conc RSD	*3.40195191*	*6.76932595*	*70.90072034*	*5.67668512*	*33.20089999*	*4.07279308*	*23.45065717*
Conc SD	*0.00537505[mg/l]*	*0.00009191[mg/l]*	*0.00107187[mg/l]*	*0.00054579[mg/l]*	*0.00228721[mg/l]*	*0.00134359[mg/l]*	*0.00005651[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	156045	2347.28000000	8014.95000000	890380	26185800	163488	3708.57000000
Int RSD	*19.54404178*	*0.41337591*	*0.86936288*	*0.82041825*	*1.37260653*	*0.54383441*	*0.73217709*
Int SD	*30497.50000000*	*9.70309000*	*69.67900000*	*7304.84000000*	*359428*	*889.10400000*	*27.15330000*
RelInt Mean	0.00457098	-0.00017870	0.00003286	---	---	---	0.00055539
RelInt RSD	*27.09615881*	*13.19858085*	*12.28257661*	---	---	---	*8.24533479*
RelInt SD	*0.00123856*	*0.00002359*	*0.00000404*	---	---	---	*0.00004579*
Conc Mean	0.04230170[mg/l]	<-0.00464048[mg/l]	<0.00046700[mg/l]	884182	26134000	163198	<0.00042912[mg/l]
Conc RSD	*27.07834437*	*24.43928214*	*157.41449752*	---	---	---	*43.71411260*
Conc SD	*0.01145460[mg/l]*	*0.00113410[mg/l]*	*0.00073513[mg/l]*	*7293.00000000*	*358803*	*919.47600000*	*0.00018759[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	80.74420000	2129.86000000	13130.70000000	3455.71000000	4833.17000000	3336.27000000	
Int RSD	*50.95139961*	*4.56963368*	*2.37630896*	*2.00271145*	*0.24912428*	*0.42955756*	
Int SD	*41.14030000*	*97.32680000*	*312.02600000*	*69.20790000*	*12.04060000*	*14.33120000*	
RelInt Mean	-0.00038950	0.00053580	0.00919858	0.00124212	0.00019431	0.00068539	
RelInt RSD	*92.39763079*	*17.65898041*	*4.42946629*	*7.04626767*	*31.61696894*	*1.03380537*	
RelInt SD	*0.00035989*	*0.00009462*	*0.00040745*	*0.00008752*	*0.00006143*	*0.00000709*	
Conc Mean	0.00237163[mg/l]	<-0.00057572[mg/l]	0.08430190[mg/l]	0.01712340[mg/l]	0.00037810[mg/l]	0.07039310[mg/l]	
Conc RSD	*65.19398051*	*31.40732583*	*7.46315326*	*19.09025077*	*61.07659634*	*0.97237371*	
Conc SD	*0.00154616[mg/l]*	*0.00018082[mg/l]*	*0.00629158[mg/l]*	*0.00326890[mg/l]*	*0.00023093[mg/l]*	*0.00068448[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 475744 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	482514607151.3	Seqnum:	482514607152.3
File:	met06_master	File:	met06_master
IDF:	1.0	IDF:	1.0
Lab ID:	QC1034213	Lab ID:	QC1034214
Matrix:	Wipe	Matrix:	Wipe
Batch:	303908	Batch:	303908
Time:	23-DEC-2022 17:29	Time:	23-DEC-2022 17:32
Cal:	482514607001	Cal:	482514607001
Units:	ug/ft2		

- BS: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	2.096	104.8	A	105	2.069	103.5	A	103	80-120	1	20	**<a-** u **b***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	919101	898310	-2.26

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	919101	908226	-1.18

-=low bias <=opening a=ICSA b=noncompliant u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1034213,303908			Sample Type: Unknown Sample
Measure Date: 2022-12-23 17:29:15	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	631127	4027.39000000	35708.20000000	144309	631258	3957.61000000	317955
Int RSD	*1.93108519*	*1.99105624*	*0.49824410*	*0.77731812*	*0.54874552*	*0.69838615*	*0.45359563*
Int SD	*12187.60000000*	*80.18760000*	*177.91400000*	*1121.74000000*	*3464.00000000*	*27.63940000*	*1442.23000000*
RelInt Mean	0.02276150	0.02179680	0.03720260	0.15643000	0.70170100	0.02273540	0.35058400
RelInt RSD	*1.66586121*	*5.80828378*	*0.33369980*	*0.56655501*	*0.46936088*	*2.49580830*	*0.42289437*
RelInt SD	*0.00037917*	*0.00126602*	*0.00012415*	*0.00088626*	*0.00329351*	*0.00056743*	*0.00148260*
Conc Mean	0.91061100[mg/l]	1.77958000[mg/l]	2.00088000[mg/l]	1.84321000[mg/l]	2.11746000[mg/l]	1.85617000[mg/l]	2.16179000[mg/l]
Conc RSD	*1.66779228*	*6.55126491*	*0.33338931*	*0.57213231*	*0.47032671*	*2.50489449*	*0.42665384*
Conc SD	*0.01518710[mg/l]*	*0.11658500[mg/l]*	*0.00667072[mg/l]*	*0.01054560[mg/l]*	*0.00995898[mg/l]*	*0.04649510[mg/l]*	*0.00922336[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	271293	1779130	609213	23264.70000000	2021.22000000	3197560	267940
Int RSD	*0.60227872*	*2.26996903*	*0.46925952*	*2.66877286*	*3.46779173*	*0.38565656*	*0.46776890*
Int SD	*1633.94000000*	*40385.70000000*	*2858.79000000*	*620.88200000*	*70.09170000*	*12331.60000000*	*1253.34000000*
RelInt Mean	0.29840200	0.06658550	0.67642100	0.13787500	0.00847808	3.57755000	0.29667100
RelInt RSD	*0.47329441*	*1.94070781*	*0.43438923*	*2.62868540*	*2.03493008*	*0.19525346*	*0.28290160*
RelInt SD	*0.00141232*	*0.00129223*	*0.00293830*	*0.00362430*	*0.00017252*	*0.00698529*	*0.00083929*
Conc Mean	2.10091000[mg/l]	2.01339000[mg/l]	2.20540000[mg/l]	13.31700000[mg/l]	1.86524000[mg/l]	2.12880000[mg/l]	2.17670000[mg/l]
Conc RSD	*0.47334060*	*1.94557438*	*0.43470119*	*2.61742885*	*1.91476700*	*0.19529876*	*0.28286856*
Conc SD	*0.00994446[mg/l]*	*0.03917200[mg/l]*	*0.00958690[mg/l]*	*0.34856300[mg/l]*	*0.03571500[mg/l]*	*0.00415752[mg/l]*	*0.00615720[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	26816.00000000	195685	62402.30000000	36393.20000000	24351.00000000	3830.52000000	421234
Int RSD	*1.05357622*	*0.46731942*	*1.59580977*	*0.19743276*	*0.31824812*	*0.46012030*	*0.33125531*
Int SD	*282.52700000*	*914.47400000*	*995.82200000*	*71.85210000*	*77.49660000*	*17.62500000*	*1395.36000000*
RelInt Mean	0.13706300	0.21330600	0.06408950	0.03683300	0.02432390	0.00156754	2.48886000
RelInt RSD	*0.69056127*	*0.40496611*	*1.52969831*	*0.11985068*	*0.57767052*	*1.64585912*	*0.26653167*
RelInt SD	*0.00094650*	*0.00086382*	*0.00098038*	*0.00004414*	*0.00014051*	*0.00002580*	*0.00663360*
Conc Mean	1.85932000[mg/l]	2.13202000[mg/l]	2.09569000[mg/l]	1.98099000[mg/l]	1.60257000[mg/l]	0.02722970[mg/l]	2.13526000[mg/l]
Conc RSD	*0.71759568*	*0.40543334*	*1.52770687*	*0.11823533*	*0.57722096*	*1.72770174*	*0.26659376*
Conc SD	*0.01334240[mg/l]*	*0.00864392[mg/l]*	*0.03201600[mg/l]*	*0.00234223[mg/l]*	*0.00925037[mg/l]*	*0.00047045[mg/l]*	*0.00569247[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	6111090	40470.80000000	310205	898310	26223100	169378	461887
Int RSD	*2.66284738*	*0.23705363*	*2.45234925*	*0.29548597*	*0.39252796*	*0.09778897*	*0.48025599*
Int SD	*162729*	*95.93750000*	*7607.31000000*	*2654.38000000*	*102933*	*165.63300000*	*2218.24000000*
RelInt Mean	0.23173700	0.04228210	0.01155350	---	---	---	0.51375600
RelInt RSD	*2.33164751*	*0.09064971*	*2.14102220*	---	---	---	*0.45161322*
RelInt SD	*0.00540329*	*0.00003833*	*0.00024736*	---	---	---	*0.00232019*
Conc Mean	2.14320000[mg/l]	1.95902000[mg/l]	2.10014000[mg/l]	891983	26171000	169134	2.10037000[mg/l]
Conc RSD	*2.33165827*	*0.09064992*	*2.14736160*	---	---	---	*0.45205559*
Conc SD	*0.04997210[mg/l]*	*0.00177585[mg/l]*	*0.04509760[mg/l]*	*2660.25000000*	*102371*	*166.77200000*	*0.00949484[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	88841.80000000	154467	537097	4649.49000000	450084	3663.33000000	
Int RSD	*0.63814893*	*0.60123910*	*0.79160189*	*0.68935303*	*0.36796242*	*0.51344542*	
Int SD	*566.94300000*	*928.71600000*	*4251.67000000*	*32.05140000*	*1656.14000000*	*18.80920000*	
RelInt Mean	0.52398200	0.89494600	0.59563900	0.00240280	0.49817500	0.00091248	
RelInt RSD	*0.71736625*	*0.71204743*	*0.50079830*	*1.56678875*	*0.30045064*	*2.63217766*	
RelInt SD	*0.00375887*	*0.00637244*	*0.00298295*	*0.00003765*	*0.00149677*	*0.00002402*	
Conc Mean	2.25521000[mg/l]	1.70866000[mg/l]	9.19386000[mg/l]	0.06047280[mg/l]	1.93075000[mg/l]	0.09232980[mg/l]	
Conc RSD	*0.71628363*	*0.71265787*	*0.50599313*	*2.32497916*	*0.30282947*	*2.51290483*	
Conc SD	*0.01615370[mg/l]*	*0.01217690[mg/l]*	*0.04652030[mg/l]*	*0.00140598[mg/l]*	*0.00584688[mg/l]*	*0.00232016[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1034214,303908			Sample Type: Unknown Sample
Measure Date: 2022-12-23 17:32:30	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	640893	4210.76000000	35590.40000000	145093	637087	4036.77000000	318822
Int RSD	*2.15839462*	*5.91118943*	*0.54289921*	*0.54668247*	*0.64795075*	*8.95941557*	*0.57731901*
Int SD	*13833.00000000*	*248.90600000*	*193.22000000*	*793.19800000*	*4128.01000000*	*361.67100000*	*1840.62000000*
RelInt Mean	0.02263860	0.02292970	0.03675440	0.15575800	0.70049600	0.02310840	0.34778800
RelInt RSD	*0.84217664*	*5.24398488*	*0.37177590*	*0.38907664*	*0.26411714*	*10.39782071*	*0.48884665*
RelInt SD	*0.00019066*	*0.00120243*	*0.00013664*	*0.00060602*	*0.00185013*	*0.00240277*	*0.00170015*
Conc Mean	0.90568900[mg/l]	1.88391000[mg/l]	1.97683000[mg/l]	1.83522000[mg/l]	2.11381000[mg/l]	1.88674000[mg/l]	2.14450000[mg/l]
Conc RSD	*0.84329720*	*5.87809396*	*0.37142445*	*0.39279269*	*0.26395229*	*10.43652014*	*0.48938680*
Conc SD	*0.00763765[mg/l]*	*0.11073800[mg/l]*	*0.00734243[mg/l]*	*0.00720861[mg/l]*	*0.00557945[mg/l]*	*0.19691000[mg/l]*	*0.01049490[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	272287	1828200	619484	23680.40000000	2052.30000000	3223270	270502
Int RSD	*0.48169395*	*2.26388251*	*0.54692454*	*5.89829564*	*4.63588169*	*0.12576049*	*0.74698154*
Int SD	*1311.59000000*	*41388.30000000*	*3388.11000000*	*1396.74000000*	*95.14220000*	*4053.60000000*	*2020.60000000*
RelInt Mean	0.29631100	0.06688770	0.68051300	0.13874800	0.00886720	3.56634000	0.29632900
RelInt RSD	*0.49010668*	*0.92445397*	*0.50836060*	*6.59884106*	*8.23365888*	*0.57479657*	*0.35679937*
RelInt SD	*0.00145224*	*0.00061835*	*0.00345946*	*0.00915576*	*0.00073010*	*0.02049920*	*0.00105730*
Conc Mean	2.08618000[mg/l]	2.02255000[mg/l]	2.21875000[mg/l]	13.40090000[mg/l]	1.94579000[mg/l]	2.12213000[mg/l]	2.17419000[mg/l]
Conc RSD	*0.49020219*	*0.92679044*	*0.50849803*	*6.57070048*	*7.76748776*	*0.57491294*	*0.35704883*
Conc SD	*0.01022650[mg/l]*	*0.01874480[mg/l]*	*0.01128230[mg/l]*	*0.88053300[mg/l]*	*0.15113900[mg/l]*	*0.01220040[mg/l]*	*0.00776292[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	27021.60000000	196710	62138.60000000	36594.70000000	24224.10000000	3657.32000000	426584
Int RSD	*3.66149303*	*0.72555030*	*0.73302585*	*0.80963637*	*1.04958698*	*0.56164623*	*0.25014300*
Int SD	*989.39400000*	*1427.23000000*	*455.49200000*	*296.28400000*	*254.25300000*	*20.54120000*	*1067.07000000*
RelInt Mean	0.13765700	0.21222400	0.06328550	0.03678500	0.02405340	0.00147856	2.49022000
RelInt RSD	*3.31377990*	*0.58093807*	*0.25178595*	*0.36028272*	*0.57217691*	*1.80246321*	*0.43310631*
RelInt SD	*0.00456165*	*0.00123289*	*0.00015934*	*0.00013253*	*0.00013763*	*0.00002665*	*0.01078530*
Conc Mean	1.86768000[mg/l]	2.12119000[mg/l]	2.06940000[mg/l]	1.97848000[mg/l]	1.58476000[mg/l]	0.02560710[mg/l]	2.13643000[mg/l]
Conc RSD	*3.44237771*	*0.58122563*	*0.25198608*	*0.36517832*	*0.57193455*	*1.89788770*	*0.43321242*
Conc SD	*0.06429260[mg/l]*	*0.01232890[mg/l]*	*0.00521460[mg/l]*	*0.00722498[mg/l]*	*0.00906379[mg/l]*	*0.00048599[mg/l]*	*0.00925528[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	6289830	40355.70000000	315572	908226	26855900	171454	457247
Int RSD	*2.64277413*	*0.14667098*	*2.72229792*	*0.62014961*	*1.38379276*	*0.65309646*	*0.36140860*
Int SD	*166226*	*59.19010000*	*8590.81000000*	*5632.36000000*	*371630*	*1119.76000000*	*1652.53000000*
RelInt Mean	0.23295400	0.04178710	0.01149260	---	---	---	0.50291600
RelInt RSD	*1.28270817*	*0.47524954*	*1.33833945*	---	---	---	*0.28636989*
RelInt SD	*0.00298812*	*0.00019859*	*0.00015381*	---	---	---	*0.00144020*
Conc Mean	2.15446000[mg/l]	1.93598000[mg/l]	2.08905000[mg/l]	902112	26804700	171185	2.05601000[mg/l]
Conc RSD	*1.28294329*	*0.47910464*	*1.34226562*	---	---	---	*0.28645094*
Conc SD	*0.02764050[mg/l]*	*0.00927537[mg/l]*	*0.02804060[mg/l]*	*5674.50000000*	*370827*	*1152.75000000*	*0.00588946[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	90047.20000000	159388	552665	4487.01000000	453151	3469.77000000	
Int RSD	*2.27852726*	*1.49644892*	*0.56410484*	*0.94627157*	*0.63160624*	*0.71085980*	
Int SD	*2051.75000000*	*2385.16000000*	*3117.61000000*	*42.45930000*	*2862.13000000*	*24.66520000*	
RelInt Mean	0.52512300	0.91348700	0.60638700	0.00230038	0.49621500	0.00080033	
RelInt RSD	*2.83752568*	*1.59465871*	*0.44458077*	*1.95584643*	*0.05451266*	*3.03428698*	
RelInt SD	*0.01490050*	*0.01456700*	*0.00269588*	*0.00004499*	*0.00027050*	*0.00002428*	
Conc Mean	2.26011000[mg/l]	1.74410000[mg/l]	9.36176000[mg/l]	0.05664780[mg/l]	1.92321000[mg/l]	0.08149610[mg/l]	
Conc RSD	*2.83251258*	*1.59597500*	*0.44814223*	*2.96638175*	*0.05611504*	*2.87853038*	
Conc SD	*0.06401790[mg/l]*	*0.02783540[mg/l]*	*0.04195400[mg/l]*	*0.00168039[mg/l]*	*0.00107921[mg/l]*	*0.00234589[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 475744 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482514607001	Date:	23-DEC-2022 08:47
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482514607002	L1	23-DEC-2022 08:50	S17470, S13369 (100X)
L2	met06_master	482514607003	L2	23-DEC-2022 08:53	S17469, S13369 (100X)
L3	met06_master	482514607004	L3	23-DEC-2022 08:56	S17466, S13369 (100X)
L4	met06_master	482514607005	L4	23-DEC-2022 09:00	S17429, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0160	0.0320	0.0323	0.0306	WB1K	0.00163	32.6808		0.0277	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	1	0.1000	6	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	482514607001	Cal Date:	23-DEC-2022

- ICV 482514607010 (23-DEC-2022) stds: S17413, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.019	mg/l	2	10	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-12-23 08:47:00	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26237.10000000	644.52800000	1620.54000000	4886.43000000	3802.10000000	68.28340000	3581.41000000
Int RSD	*0.33938278*	*2.69122521*	*1.94936873*	*0.35630102*	*1.29928987*	*67.61409069*	*1.31656247*
Int SD	*89.04420000*	*17.34570000*	*31.59030000*	*17.41040000*	*49.40030000*	*46.16920000*	*47.15150000*
RelInt Mean	0.00002642	0.00247791	-0.00009316	0.00147665	0.00011674	0.00008284	0.00003287
RelInt RSD	*6.67282425*	*6.48849232*	*40.86066291*	*2.50233298*	*47.41915865*	*42.54896375*	*112.18371712*
RelInt SD	*0.00000176*	*0.00016078*	*0.00003806*	*0.00003695*	*0.00005536*	*0.00003525*	*0.00003687*

	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	3486.38000000	29107.40000000	4582.76000000	-192.35100000	206.50300000	4393.31000000	2253.87000000
Int RSD	*0.46128936*	*0.47971650*	*0.59561923*	*61.80836076*	*34.85760497*	*0.40814329*	*0.62610976*
Int SD	*16.08230000*	*139.63300000*	*27.29580000*	*118.88900000*	*71.98200000*	*17.93100000*	*14.11170000*
RelInt Mean	0.00004409	0.00017214	0.00030830	-0.00059022	-0.00053537	0.00009910	0.00008652
RelInt RSD	*32.04509368*	*2.67528552*	*4.25471459*	*101.71392556*	*31.37587089*	*64.77698478*	*18.46322958*
RelInt SD	*0.00001413*	*0.00000461*	*0.00001312*	*0.00060034*	*0.00016798*	*0.00006420*	*0.00001597*

	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	3782.45000000	3972.15000000	3680.46000000	2437.18000000	1780.75000000	1686.86000000	58.45570000
Int RSD	*1.09040966*	*0.78771446*	*0.45318792*	*1.62898924*	*1.86200197*	*0.30906359*	*130.94103740*
Int SD	*41.24420000*	*31.28920000*	*16.67940000*	*39.70140000*	*33.15760000*	*5.21347000*	*76.54250000*
RelInt Mean	0.00530349	0.00017863	-0.00005157	-0.00003929	-0.00001293	0.00007296	-0.00060525
RelInt RSD	*9.78730987*	*8.85587764*	*66.83570865*	*80.71343862*	*241.71428571*	*6.10966662*	*93.72818040*
RelInt SD	*0.00051907*	*0.00001582*	*0.00003446*	*0.00003172*	*0.00003126*	*0.00000446*	*0.00056729*

	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	28199.50000000	1590.26000000	5920.22000000	919101	30464900	186284	2756.92000000
Int RSD	*0.95191759*	*0.95581855*	*1.15021908*	*0.35105391*	*0.12808117*	*0.51863391*	*2.20682138*
Int SD	*268.43600000*	*15.20000000*	*68.09550000*	*3226.54000000*	*39019.80000000*	*966.13200000*	*60.84030000*
RelInt Mean	-0.00000302	-0.00008408	0.00003033	---	---	---	0.00045138
RelInt RSD	*112.79434981*	*25.49224832*	*10.23613350*	---	---	---	*17.22459153*
RelInt SD	*0.00000341*	*0.00002143*	*0.00000310*	---	---	---	*0.00007775*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-14.17230000	1611.07000000	7176.11000000	2468.93000000	3619.40000000	2072.74000000	
Int RSD	*717.06074526*	*7.20483902*	*0.24660715*	*1.56869980*	*0.22130049*	*0.53684977*	
Int SD	*101.62400000*	*116.07500000*	*17.69680000*	*38.73010000*	*8.00975000*	*11.12750000*	
RelInt Mean	-0.00094151	0.00088780	0.00378256	0.00078364	0.00009912	-0.00004332	
RelInt RSD	*38.67947875*	*32.33844071*	*1.53282169*	*4.98186672*	*39.61839100*	*29.10315278*	
RelInt SD	*0.00036417*	*0.00028710*	*0.00005798*	*0.00003904*	*0.00003927*	*0.00001261*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17470			Sample Type: Calibration Sample
Measure Date: 2022-12-23 08:50:17	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28112.10000000	717.78500000	1746.28000000	5245.53000000	4976.01000000	166.16400000	3961.73000000
Int RSD	*1.01380544*	*10.83495754*	*0.96857892*	*0.41666714*	*0.84249228*	*62.48164464*	*0.66633264*
Int SD	*285.00200000*	*77.77170000*	*16.91410000*	*21.85640000*	*41.92250000*	*103.82200000*	*26.39830000*
RelInt Mean	0.00002135	0.00273778	-0.00001702	0.00168675	0.00123072	0.00085730	0.00027713
RelInt RSD	*27.79307018*	*12.83390192*	*101.56474017*	*1.07944864*	*4.32068220*	*74.99720051*	*9.66495868*
RelInt SD	*0.00000593*	*0.00035136*	*0.00001729*	*0.00001821*	*0.00005318*	*0.00064295*	*0.00002678*

	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	4094.05000000	33637.30000000	7316.79000000	-39.08720000	407.17000000	10321.00000000	2710.53000000
Int RSD	*0.16583676*	*0.72048886*	*0.45843874*	*43.94482081*	*15.50917307*	*0.58341634*	*0.77942690*
Int SD	*6.78944000*	*242.35300000*	*33.54300000*	*17.17680000*	*63.14870000*	*60.21440000*	*21.12660000*
RelInt Mean	0.00049154	0.00027501	0.00307963	0.00027294	-0.00011818	0.00637520	0.00048133
RelInt RSD	*3.63120729*	*1.28678334*	*1.00523764*	*14.05423823*	*169.59656129*	*1.20688606*	*7.58632869*
RelInt SD	*0.00001785*	*0.00000354*	*0.00003096*	*0.00003836*	*0.00020044*	*0.00007694*	*0.00003652*

	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	10477.90000000	4498.70000000	3939.04000000	2676.74000000	1995.64000000	1854.40000000	3032.52000000
Int RSD	*4.80976150*	*0.61969902*	*0.20541223*	*0.46273826*	*0.55857269*	*0.83991048*	*3.70091541*
Int SD	*503.96200000*	*27.87840000*	*8.09127000*	*12.38630000*	*11.14710000*	*15.57530000*	*112.23100000*
RelInt Mean	0.03989710	0.00059288	0.00005343	0.00011659	0.00015538	0.00019114	0.01497850
RelInt RSD	*4.27462146*	*1.69571715*	*73.41032998*	*3.21385746*	*16.25695052*	*14.68549066*	*5.00802484*
RelInt SD	*0.00170545*	*0.00001005*	*0.00003922*	*0.00000375*	*0.00002526*	*0.00002807*	*0.00075013*

	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	40837.20000000	1871.73000000	6487.18000000	916321	30079100	186533	5178.27000000
Int RSD	*0.12422326*	*0.31273100*	*0.27618626*	*0.14048243*	*0.67541582*	*0.41677451*	*0.21807862*
Int SD	*50.72930000*	*5.85348000*	*17.91670000*	*1287.27000000*	*203159*	*777.42200000*	*11.29270000*
RelInt Mean	0.00035077	0.00017770	0.00003512	---	---	---	0.00300732
RelInt RSD	*1.91268427*	*2.54270118*	*3.42275573*	---	---	---	*0.07661872*
RelInt SD	*0.00000671*	*0.00000452*	*0.00000120*	---	---	---	*0.00000230*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	4.35309000	2018.61000000	12698.20000000	27685.80000000	4151.85000000	11895.00000000	
Int RSD	*1496.34397635*	*7.26390932*	*0.43925911*	*0.27172305*	*0.56121488*	*0.85034048*	
Int SD	*65.13720000*	*146.63000000*	*55.77800000*	*75.22870000*	*23.30080000*	*101.14800000*	
RelInt Mean	-0.00070885	0.00206414	0.00964289	0.02837760	0.00051958	0.01065060	
RelInt RSD	*41.45670158*	*37.15416590*	*0.75514498*	*0.45432313*	*1.65750996*	*0.96423676*	
RelInt SD	*0.00029386*	*0.00076691*	*0.00007282*	*0.00012893*	*0.00000861*	*0.00010270*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17469			Sample Type: Calibration Sample
Measure Date: 2022-12-23 08:53:34	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28775.30000000	850.32400000	3409.31000000	12279.10000000	34318.70000000	115.49800000	11222.10000000
Int RSD	*0.05493461*	*10.31972519*	*0.56030106*	*0.99574073*	*0.67762474*	*103.10914475*	*0.83632386*
Int SD	*15.80760000*	*87.75110000*	*19.10240000*	*122.26800000*	*232.55200000*	*119.08900000*	*93.85310000*
RelInt Mean	0.00002528	0.00320127	0.00178371	0.00943553	0.03364100	0.00019893	0.00824364
RelInt RSD	*16.44090127*	*15.54417466*	*0.07893772*	*1.32415455*	*0.91646206*	*285.70767877*	*0.85400503*
RelInt SD	*0.00000416*	*0.00049761*	*0.00000141*	*0.00012494*	*0.00030831*	*0.00056834*	*0.00007040*

	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	16834.20000000	122941	61944.20000000	-153.40800000	324.77000000	163577	13862.10000000
Int RSD	*0.37703603*	*0.93387072*	*0.43088780*	*61.84925167*	*25.56369123*	*0.34998197*	*2.21892065*
Int SD	*63.47100000*	*1148.11000000*	*266.91000000*	*94.88170000*	*83.02320000*	*572.49000000*	*307.58900000*
RelInt Mean	0.01453240	0.00324236	0.06341910	-0.00047496	-0.00075172	0.17576000	0.01276950
RelInt RSD	*0.62964548*	*0.43567648*	*0.69003975*	*94.79054158*	*38.46929504*	*0.17397929*	*2.41021966*
RelInt SD	*0.00009150*	*0.00001413*	*0.00043762*	*0.00045022*	*0.00028918*	*0.00030579*	*0.00030777*

	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	4266.01000000	13256.40000000	6829.75000000	7441.55000000	5865.11000000	6895.67000000	106968
Int RSD	*3.55711778*	*0.28440753*	*0.99850361*	*1.10014715*	*1.67750647*	*1.29158588*	*1.93341934*
Int SD	*151.74700000*	*37.70220000*	*68.19530000*	*81.86800000*	*98.38760000*	*89.06350000*	*2068.14000000*
RelInt Mean	0.00605308	0.01022150	0.00319530	0.00534731	0.00439548	0.00572934	0.58072200
RelInt RSD	*3.70350301*	*0.82188622*	*1.75156636*	*1.24483338*	*1.86812134*	*1.57813291*	*2.18038924*
RelInt SD	*0.00022418*	*0.00008401*	*0.00005597*	*0.00006657*	*0.00008211*	*0.00009042*	*0.01266200*

	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	340752	7624.59000000	14417.50000000	909294	29860300	184114	68255.50000000
Int RSD	*0.88201390*	*1.91957863*	*0.62347286*	*0.24626029*	*1.10596679*	*0.59055259*	*0.38704720*
Int SD	*3005.48000000*	*146.36000000*	*89.88920000*	*2239.23000000*	*330245*	*1087.29000000*	*264.18100000*
RelInt Mean	0.01037700	0.00648269	0.00029379	---	---	---	0.07271050
RelInt RSD	*0.64127975*	*2.22961456*	*1.06976364*	---	---	---	*0.64843867*
RelInt SD	*0.00006655*	*0.00014454*	*0.00000314*	---	---	---	*0.00047148*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	898.60600000	10359.20000000	7392.13000000	2356.99000000	15647.80000000	2129.81000000	
Int RSD	*13.74573506*	*2.76088887*	*1.04700269*	*1.13454024*	*1.01429594*	*1.39740634*	
Int SD	*123.52000000*	*286.00600000*	*77.39580000*	*26.74100000*	*158.71500000*	*29.76210000*	
RelInt Mean	0.00425706	0.04666910	0.00379477	0.00060319	0.01311350	-0.00006682	
RelInt RSD	*15.55777931*	*3.12551560*	*3.34389172*	*7.11191204*	*1.74134289*	*65.19701750*	
RelInt SD	*0.00066230*	*0.00145865*	*0.00012689*	*0.00004290*	*0.00022835*	*0.00004356*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17466			Sample Type: Calibration Sample
Measure Date: 2022-12-23 08:56:51	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28651.10000000	3999.44000000	19080.00000000	80520.30000000	308558	30.49160000	79427.10000000
Int RSD	*0.25225698*	*4.24591943*	*0.45244392*	*0.28975178*	*0.60326746*	*107.50009839*	*0.79439511*
Int SD	*72.27440000*	*169.81300000*	*86.32630000*	*233.30900000*	*1861.43000000*	*32.77850000*	*630.96500000*
RelInt Mean	0.00001961	0.02034420	0.01895500	0.08449170	0.33536200	0.00008462	0.08314920
RelInt RSD	*18.22034892*	*5.59220810*	*0.88322342*	*1.00884229*	*0.25302241*	*44.22822607*	*0.35977616*
RelInt SD	*0.00000357*	*0.00113769*	*0.00016742*	*0.00085239*	*0.00084854*	*0.00003742*	*0.00029915*

	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	134460	996700	580519	-208.87400000	236.52100000	1614360	121370
Int RSD	*0.57678864*	*1.30542791*	*0.59542409*	*41.90023651*	*23.67561443*	*0.12538281*	*1.31220236*
Int SD	*775.55000000*	*13011.20000000*	*3456.55000000*	*87.51870000*	*55.99780000*	*2024.13000000*	*1592.62000000*
RelInt Mean	0.14376400	0.03276820	0.63419300	-0.00052795	-0.00088645	1.77267000	0.13096700
RelInt RSD	*0.14696656*	*1.44701570*	*0.38378222*	*122.58759842*	*15.65645285*	*0.56518698*	*1.51755022*
RelInt SD	*0.00021128*	*0.00047416*	*0.00243392*	*0.00064720*	*0.00013879*	*0.01001890*	*0.00198749*

	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	3962.98000000	98447.90000000	33381.10000000	53619.30000000	43320.10000000	52834.70000000	1075660
Int RSD	*5.89465503*	*0.52001719*	*0.29024628*	*0.47081741*	*1.08652796*	*0.20552024*	*0.80364149*
Int SD	*233.60400000*	*511.94600000*	*96.88740000*	*252.44900000*	*470.68500000*	*108.58600000*	*8644.45000000*
RelInt Mean	0.00598858	0.10374300	0.03231100	0.05595450	0.04555970	0.05620250	5.82898000
RelInt RSD	*10.45383046*	*0.33817029*	*1.06152394*	*1.18127407*	*1.68813227*	*0.55408033*	*0.31896490*
RelInt SD	*0.00062604*	*0.00035083*	*0.00034299*	*0.00066098*	*0.00076911*	*0.00031141*	*0.01859240*

	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	3196440	62257.20000000	86298.20000000	912984	29581700	184699	668733
Int RSD	*0.79497816*	*0.91865680*	*1.25053593*	*0.68452678*	*0.27713282*	*0.67287858*	*0.10541651*
Int SD	*25411.00000000*	*571.93000000*	*1079.19000000*	*6249.62000000*	*81980.60000000*	*1242.80000000*	*704.95500000*
RelInt Mean	0.10701700	0.06640530	0.00272335	---	---	---	0.73334400
RelInt RSD	*0.84955194*	*1.40098607*	*1.30519030*	---	---	---	*0.77614189*
RelInt SD	*0.00090916*	*0.00093033*	*0.00003554*	---	---	---	*0.00569179*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	20444.00000000	89857.80000000	8681.28000000	3145.10000000	121105	2339.93000000	
Int RSD	*1.84757875*	*2.27708669*	*1.03193193*	*1.06409971*	*0.67044631*	*1.90853573*	
Int SD	*377.71900000*	*2046.14000000*	*89.58490000*	*33.46700000*	*811.94400000*	*44.65840000*	
RelInt Mean	0.11041600	0.47540800	0.00516829	0.00136351	0.12894100	0.00006075	
RelInt RSD	*2.23402405*	*2.60260660*	*1.94731720*	*3.08080615*	*0.21711636*	*78.56950032*	
RelInt SD	*0.00246672*	*0.01237300*	*0.00010064*	*0.00004201*	*0.00027995*	*0.00004773*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17429			Sample Type: Calibration Sample
Measure Date: 2022-12-23 09:00:07	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	34741.40000000	39156.40000000	165824	741973	2895120	189.02800000	714129
Int RSD	*0.66504228*	*2.95509802*	*0.55239712*	*0.44082467*	*0.26090974*	*12.75652284*	*0.15968824*
Int SD	*231.04500000*	*1157.11000000*	*916.00700000*	*3270.80000000*	*7553.65000000*	*24.11340000*	*1140.38000000*
RelInt Mean	-0.00003468	0.21996700	0.18608500	0.84226000	3.30047000	0.00058751	0.80921600
RelInt RSD	*15.59444451*	*3.25022844*	*0.57976731*	*0.31942749*	*0.21415465*	*9.14499451*	*0.13110220*
RelInt SD	*0.00000541*	*0.00714943*	*0.00107886*	*0.00269041*	*0.00706811*	*0.00005373*	*0.00106090*

	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	1250000	9193880	5372400	-178.82300000	309.73500000	14710800	1197400
Int RSD	*0.26647600*	*1.04990276*	*0.23757166*	*14.22775594*	*35.59171550*	*0.57826087*	*0.60017872*
Int SD	*3330.95000000*	*96526.80000000*	*12763.30000000*	*25.44250000*	*110.24000000*	*85066.80000000*	*7186.54000000*
RelInt Mean	1.42000000	0.33007400	6.12940000	-0.00052399	-0.00062612	16.79500000	1.36317000
RelInt RSD	*0.05261620*	*0.93317256*	*0.14743058*	*37.19453197*	*75.12557557*	*0.45210837*	*0.61598040*
RelInt SD	*0.00074715*	*0.00308016*	*0.00903661*	*0.00019490*	*0.00047037*	*0.07593160*	*0.00839686*

	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	4000.15000000	881475	273400	490507	3278.05000000	482923	9822320
Int RSD	*6.74617202*	*0.29361128*	*0.36813826*	*0.41804704*	*6.78561950*	*0.19572727*	*0.18220339*
Int SD	*269.85700000*	*2588.11000000*	*1006.49000000*	*2050.55000000*	*222.43600000*	*945.21200000*	*17896.60000000*
RelInt Mean	0.00622635	0.99944500	0.30576200	0.55484600	0.00052165	0.54833100	55.52440000
RelInt RSD	*4.80053322*	*0.33182917*	*0.26964862*	*0.31624271*	*49.03277875*	*0.23687882*	*0.27643162*
RelInt SD	*0.00029890*	*0.00331645*	*0.00082448*	*0.00175466*	*0.00025578*	*0.00129888*	*0.15348700*

	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	30015000	568254	768710	881354	27729700	177064	6287160
Int RSD	*1.00175246*	*0.31187462*	*1.12462307*	*0.27189302*	*0.17131379*	*0.39976506*	*0.35168025*
Int SD	*300676*	*1772.24000000*	*8645.09000000*	*2396.34000000*	*47504.80000000*	*707.84000000*	*22110.70000000*
RelInt Mean	1.08139000	0.64477500	0.02745840	---	---	---	7.17401000
RelInt RSD	*0.97997022*	*0.28779031*	*1.13177388*	---	---	---	*0.11646262*
RelInt SD	*0.01059730*	*0.00185560*	*0.00031077*	---	---	---	*0.00835504*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	206016	935818	22534.30000000	9713.28000000	1132450	4160.63000000	
Int RSD	*0.33979691*	*0.59306510*	*0.50927253*	*0.59145314*	*0.28377677*	*1.05112928*	
Int SD	*700.03600000*	*5550.01000000*	*114.76100000*	*57.44950000*	*3213.63000000*	*43.73360000*	
RelInt Mean	1.16337000	5.23811000	0.02047460	0.00780188	1.28507000	0.00119330	
RelInt RSD	*0.70634536*	*0.79686375*	*1.42167857*	*0.75405159*	*0.37508229*	*3.05720272*	
RelInt SD	*0.00821741*	*0.04174060*	*0.00029108*	*0.00005883*	*0.00482007*	*0.00003648*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S17316			Sample Type: Calibration Sample
Measure Date: 2022-12-23 09:03:25	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1500710	632.91800000	2196.91000000	8373.68000000	4882.81000000	136.48900000	3946.18000000
Int RSD	*1.09895983*	*21.92306112*	*5.17144535*	*6.29166627*	*0.51071617*	*65.12444226*	*0.31863980*
Int SD	*16492.20000000*	*138.75500000*	*113.61200000*	*526.84400000*	*24.93730000*	*88.88770000*	*12.57410000*
RelInt Mean	0.04996010	0.00244497	0.00044450	0.00514895	0.00106639	0.00030484	0.00019491
RelInt RSD	*0.50353382*	*15.23666957*	*29.08394319*	*12.13070626*	*3.31495044*	*192.88345651*	*7.25505487*
RelInt SD	*0.00025157*	*0.00037253*	*0.00012928*	*0.00062460*	*0.00003535*	*0.00058798*	*0.00001414*

	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	4034.29000000	33632.60000000	10400.00000000	-244.62200000	326.71200000	9079.45000000	15448.60000000
Int RSD	*0.44071695*	*1.23636888*	*19.47067308*	*24.60592261*	*12.50456059*	*0.90894823*	*23.93899771*
Int SD	*17.77980000*	*415.82300000*	*2024.95000000*	*60.19150000*	*40.85390000*	*82.52750000*	*3698.24000000*
RelInt Mean	0.00041671	0.00026682	0.00652206	-0.00086288	-0.00037857	0.00504619	0.01465240
RelInt RSD	*4.24640637*	*5.34012203*	*34.87487082*	*44.41593540*	*30.69884407*	*2.46865457*	*28.45260845*
RelInt SD	*0.00001770*	*0.00001425*	*0.00227456*	*0.00038326*	*0.00011622*	*0.00012457*	*0.00416899*

	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	3778.99000000	4468.32000000	3992.17000000	2981.20000000	1954.37000000	2836.38000000	1858.39000000
Int RSD	*6.30496508*	*1.03389193*	*0.08232190*	*2.47581511*	*1.30861096*	*11.93655293*	*6.97098026*
Int SD	*238.26400000*	*46.19760000*	*3.28643000*	*73.80900000*	*25.57510000*	*338.56600000*	*129.54800000*
RelInt Mean	0.00487967	0.00048869	0.00003488	0.00040394	0.00007861	0.00124263	0.00919745
RelInt RSD	*7.01428580*	*11.71589351*	*71.58829634*	*19.68356530*	*40.57206462*	*30.82381723*	*8.72549457*
RelInt SD	*0.00034227*	*0.00005725*	*0.00002497*	*0.00007951*	*0.00003189*	*0.00038303*	*0.00080252*

	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	89917.80000000	4768.04000000	6780.30000000	900722	29479200	181814	5069.50000000
Int RSD	*5.42402061*	*34.01124991*	*1.52944560*	*0.35565691*	*0.62933865*	*1.31721430*	*1.77909064*
Int SD	*4877.16000000*	*1621.67000000*	*103.70100000*	*3203.48000000*	*185524*	*2394.88000000*	*90.19100000*
RelInt Mean	0.00201007	0.00334537	0.00003887	---	---	---	0.00289396
RelInt RSD	*8.99277140*	*54.87464765*	*13.79986672*	---	---	---	*4.32576815*
RelInt SD	*0.00018076*	*0.00183576*	*0.00000536*	---	---	---	*0.00012519*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-43.05500000	1937.86000000	8069.11000000	2555.35000000	4177.55000000	2167.87000000	
Int RSD	*316.62524678*	*14.68661307*	*2.08742972*	*2.28866104*	*0.47339230*	*0.90253567*	
Int SD	*136.32300000*	*284.60600000*	*168.43700000*	*58.48330000*	*19.77620000*	*19.56580000*	
RelInt Mean	-0.00083011	0.00242822	0.00456054	0.00078446	0.00047691	-0.00005879	
RelInt RSD	*69.22355980*	*31.56719737*	*3.65399711*	*8.96923999*	*5.41692265*	*57.37582777*	
RelInt SD	*0.00057463*	*0.00076652*	*0.00016664*	*0.00007036*	*0.00002583*	*0.00003373*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17333			Sample Type: Calibration Sample
Measure Date: 2022-12-23 09:06:42	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29161.60000000	860.91100000	1942.99000000	6202.07000000	4223.11000000	22340.40000000	3898.32000000
Int RSD	*0.61397866*	*8.60027343*	*0.52894765*	*1.37534888*	*0.85929564*	*1.45220766*	*1.33214564*
Int SD	*179.04600000*	*74.04070000*	*10.27740000*	*85.30010000*	*36.28900000*	*324.42900000*	*51.93130000*
RelInt Mean	0.00003449	0.00280613	0.00006451	0.00259988	0.00012222	0.12529700	-0.00004791
RelInt RSD	*29.29921162*	*23.31876998*	*14.00832083*	*3.64881456*	*23.76227335*	*0.97395788*	*47.11264725*
RelInt SD	*0.00001010*	*0.00065436*	*0.00000904*	*0.00009486*	*0.00002904*	*0.00122034*	*0.00002257*

	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	3899.68000000	31509.70000000	5584.93000000	84739.20000000	9522.31000000	4897.25000000	5069.50000000
Int RSD	*0.39604019*	*0.67388772*	*1.48831230*	*2.50534581*	*4.00098295*	*0.53826739*	*7.08373607*
Int SD	*15.44430000*	*212.34000000*	*83.12120000*	*2123.01000000*	*380.98600000*	*26.36030000*	*359.11000000*
RelInt Mean	0.00009517	0.00018465	0.00098231	0.47670300	0.05096440	0.00018085	0.00307348
RelInt RSD	*32.69037186*	*3.47829124*	*11.40463662*	*2.42924840*	*4.09693825*	*15.98582243*	*14.27629267*
RelInt SD	*0.00003111*	*0.00000642*	*0.00011203*	*0.01158030*	*0.00208798*	*0.00002891*	*0.00043878*

	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	600094	4378.50000000	4039.72000000	2769.32000000	2014.35000000	2038.86000000	124.21200000
Int RSD	*0.89249018*	*0.28367021*	*1.21110622*	*1.02668164*	*2.96906694*	*2.12845414*	*21.71352204*
Int SD	*5355.78000000*	*12.42050000*	*48.92530000*	*28.43210000*	*59.80740000*	*43.39620000*	*26.97080000*
RelInt Mean	3.34930000	0.00021298	-0.00005786	0.00002182	0.00002885	0.00024891	-0.00038079
RelInt RSD	*0.62472457*	*18.34126049*	*68.11897548*	*185.85129147*	*129.42897148*	*18.37412419*	*55.32206559*
RelInt SD	*0.02092390*	*0.00003906*	*0.00003941*	*0.00004056*	*0.00003734*	*0.00004574*	*0.00021066*

	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	55293.00000000	1878.68000000	6658.07000000	871685	28200600	178012	3013.30000000
Int RSD	*0.64409238*	*1.45698576*	*1.29288217*	*0.27559841*	*0.32798522*	*0.30666753*	*0.24460525*
Int SD	*356.13800000*	*27.37210000*	*86.08100000*	*2402.35000000*	*92493.80000000*	*545.90500000*	*7.37069000*
RelInt Mean	0.00085204	0.00006571	0.00002608	---	---	---	0.00046461
RelInt RSD	*0.55728422*	*39.74810838*	*9.22659623*	---	---	---	*8.05207831*
RelInt SD	*0.00000475*	*0.00002612*	*0.00000241*	---	---	---	*0.00003741*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-12.15380000	1757.59000000	563320	2438.87000000	3965.17000000	2254.07000000	
Int RSD	*721.09299149*	*8.64262996*	*0.19232053*	*2.27525452*	*1.83682667*	*0.30413031*	
Int SD	*87.64020000*	*151.90200000*	*1083.38000000*	*55.49050000*	*72.83330000*	*6.85531000*	
RelInt Mean	-0.00086140	0.00117167	0.64412300	0.00057138	0.00008907	-0.00006121	
RelInt RSD	*42.53867273*	*11.72599793*	*0.09048536*	*9.21398656*	*67.99766465*	*40.69447530*	
RelInt SD	*0.00036643*	*0.00013739*	*0.00058284*	*0.00005265*	*0.00006056*	*0.00002491*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17334			Sample Type: Calibration Sample
Measure Date: 2022-12-23 09:09:58	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28736.90000000	668.81500000	1844.57000000	5558.21000000	4100.19000000	80.45220000	3835.09000000
Int RSD	*0.89410479*	*17.44428579*	*1.15518522*	*0.44410161*	*0.96433580*	*126.72245134*	*1.32118673*
Int SD	*256.93800000*	*116.67000000*	*21.30820000*	*24.68410000*	*39.53960000*	*101.95100000*	*50.66870000*
RelInt Mean	0.00002714	0.00265293	0.00002082	0.00195288	0.00015407	0.00012990	0.00003913
RelInt RSD	*12.20285775*	*16.76930790*	*147.15238658*	*2.88541539*	*30.67700795*	*701.57426368*	*118.79377800*
RelInt SD	*0.00000331*	*0.00044488*	*0.00003064*	*0.00005635*	*0.00004727*	*0.00091136*	*0.00004649*

	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	3820.11000000	31173.30000000	5468.08000000	-259.25400000	272.65400000	5052.47000000	3501.62000000
Int RSD	*0.79774143*	*0.36599911*	*0.49022143*	*6.30231356*	*30.21140346*	*0.72462974*	*2.03916187*
Int SD	*30.47460000*	*114.09400000*	*26.80570000*	*16.33900000*	*82.37260000*	*36.61170000*	*71.40370000*
RelInt Mean	0.00011756	0.00017342	0.00096432	-0.00128470	-0.00066416	0.00048901	0.00127301
RelInt RSD	*24.10353686*	*1.83439726*	*1.61108513*	*8.09262863*	*83.66631283*	*3.14669584*	*5.95698384*
RelInt SD	*0.00002834*	*0.00000318*	*0.00001554*	*0.00010397*	*0.00055567*	*0.00001539*	*0.00007583*

	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	3813.96000000	4248.68000000	3907.50000000	2673.80000000	1970.55000000	1880.16000000	64.37720000
Int RSD	*7.06837513*	*1.19518062*	*0.89150352*	*0.06926472*	*0.33475781*	*0.55057548*	*50.77884717*
Int SD	*269.58500000*	*50.77940000*	*34.83550000*	*1.85200000*	*6.59657000*	*10.35170000*	*32.69000000*
RelInt Mean	0.00504157	0.00019886	-0.00009663	0.00002359	0.00004006	0.00013972	-0.00067379
RelInt RSD	*11.56241012*	*11.08453183*	*15.42725924*	*122.29419795*	*70.34979208*	*14.86694437*	*7.39450364*
RelInt SD	*0.00058293*	*0.00002204*	*0.00001491*	*0.00002885*	*0.00002818*	*0.00002077*	*0.00004982*

	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	32675.80000000	1804.87000000	6497.79000000	905574	29917900	183538	2972.97000000
Int RSD	*1.03796694*	*0.70349111*	*1.53142684*	*0.37716851*	*0.35398206*	*1.00105700*	*0.61075961*
Int SD	*339.16400000*	*12.69710000*	*99.50890000*	*3415.54000000*	*105904*	*1837.32000000*	*18.15770000*
RelInt Mean	0.00005824	0.00002131	0.00002754	---	---	---	0.00050004
RelInt RSD	*3.38516116*	*101.16512052*	*22.27624715*	---	---	---	*4.68192417*
RelInt SD	*0.00000197*	*0.00002156*	*0.00000614*	---	---	---	*0.00002341*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-152.51300000	1737.81000000	7410.40000000	244152	3885.33000000	95586.80000000	
Int RSD	*50.77285215*	*10.10490215*	*0.53347323*	*1.11244634*	*0.77739085*	*0.54034867*	
Int SD	*77.43520000*	*175.60400000*	*39.53250000*	*2716.06000000*	*30.20420000*	*516.50200000*	
RelInt Mean	-0.00138665	0.00130832	0.00376241	0.26853300	0.00009145	0.10347700	
RelInt RSD	*26.86849602*	*25.86591965*	*1.81605141*	*0.77576313*	*41.00993180*	*0.21024672*	
RelInt SD	*0.00037257*	*0.00033841*	*0.00006833*	*0.00208318*	*0.00003751*	*0.00021756*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17210			Sample Type: Calibration Sample
Measure Date: 2022-12-23 09:13:14	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	30067.70000000	2237.21000000	2334.63000000	6225.01000000	4916.92000000	434906	4553.57000000
Int RSD	*0.84399871*	*2.24578828*	*1.85087573*	*0.59358298*	*0.75579835*	*0.64776986*	*1.03061774*
Int SD	*253.77100000*	*50.24300000*	*43.21110000*	*36.95060000*	*37.16200000*	*2817.19000000*	*46.92990000*
RelInt Mean	0.00003445	0.00118406	-0.00006065	0.00179564	0.00025699	2.44038000	0.00003410
RelInt RSD	*9.10674527*	*28.29248518*	*114.76783371*	*4.33024437*	*20.62326595*	*0.76167236*	*158.74532967*
RelInt SD	*0.00000314*	*0.00033500*	*0.00006961*	*0.00007776*	*0.00005300*	*0.01858770*	*0.00005413*

	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	4727.70000000	33039.30000000	6268.70000000	371787	172847	6194.63000000	3485.78000000
Int RSD	*1.12686296*	*0.65560106*	*0.22337805*	*1.30282124*	*0.20584100*	*0.38971819*	*2.10824837*
Int SD	*53.27470000*	*216.60600000*	*14.00290000*	*4843.72000000*	*355.79000000*	*24.14160000*	*73.48890000*
RelInt Mean	0.00010422	0.00020490	0.00077908	2.07894000	0.96543500	0.00073558	0.00072378
RelInt RSD	*55.60510838*	*1.77844370*	*3.02248687*	*2.11928675*	*0.70258381*	*3.74127557*	*10.08188941*
RelInt SD	*0.00005795*	*0.00000364*	*0.00002355*	*0.04405870*	*0.00678299*	*0.00002752*	*0.00007297*

	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	2548330	5070.79000000	4619.08000000	3149.92000000	2398.57000000	2247.20000000	341.04600000
Int RSD	*0.13088768*	*0.23013179*	*0.59842869*	*1.12455237*	*0.78340845*	*1.16165450*	*10.76060121*
Int SD	*3335.45000000*	*11.66950000*	*27.64190000*	*35.42250000*	*18.79060000*	*26.10470000*	*36.69860000*
RelInt Mean	14.24250000	0.00028204	-0.00010036	-0.00003603	0.00004352	0.00004820	0.00070457
RelInt RSD	*0.84077936*	*7.01137770*	*23.19958550*	*115.27096604*	*58.22407875*	*44.97063516*	*78.17029345*
RelInt SD	*0.11974800*	*0.00001978*	*0.00002328*	*0.00004153*	*0.00002534*	*0.00002168*	*0.00055077*

	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	36714.60000000	2185.20000000	8100.20000000	816726	25581900	178383	3609.66000000
Int RSD	*1.15521890*	*0.43749268*	*1.20025061*	*2.99559461*	*0.26205872*	*0.90304569*	*0.69894949*
Int SD	*424.13400000*	*9.56009000*	*97.22270000*	*24465.80000000*	*67039.60000000*	*1610.88000000*	*25.22970000*
RelInt Mean	0.00011187	-0.00001422	0.00003425	---	---	---	0.00075598
RelInt RSD	*11.81413477*	*5.18160270*	*5.91506903*	---	---	---	*6.91567546*
RelInt SD	*0.00001322*	*0.00000074*	*0.00000203*	---	---	---	*0.00005228*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-59.11250000	1881.73000000	8088.40000000	2788.50000000	4556.69000000	2724.59000000	
Int RSD	*280.13702686*	*8.24044895*	*0.57125389*	*0.90529317*	*0.71677248*	*1.31279569*	
Int SD	*165.59600000*	*155.06300000*	*46.20530000*	*25.24410000*	*32.66110000*	*35.76830000*	
RelInt Mean	-0.00115790	0.00111196	0.00385325	0.00060452	0.00003347	-0.00009130	
RelInt RSD	*74.15476293*	*21.33395086*	*0.98198404*	*4.75804971*	*195.52327996*	*57.27543769*	
RelInt SD	*0.00085864*	*0.00023723*	*0.00003784*	*0.00002876*	*0.00006544*	*0.00005229*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17413	Sample Type: Control Sample		
Measure Date: 2022-12-23 09:16:49	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	351950	3323.23000000	19326.30000000	81946.40000000	280962	218076	139811
Int RSD	*1.17813326*	*3.34575097*	*1.00324946*	*0.53418454*	*0.58028844*	*0.31058713*	*0.54988306*
Int SD	*4146.44000000*	*111.18700000*	*193.89100000*	*437.74500000*	*1630.39000000*	*677.31600000*	*768.79700000*
RelInt Mean	0.01216860	0.01262440	0.02063370	0.09368650	0.33424700	1.23053000	0.16358400
RelInt RSD	*1.43356672*	*5.19032192*	*1.43150768*	*0.18563294*	*0.10638450*	*0.15675116*	*0.23766444*
RelInt SD	*0.00017444*	*0.00065525*	*0.00029537*	*0.00017391*	*0.00035559*	*0.00192887*	*0.00038878*
Conc Mean	0.48633100[mg/l]	0.93487100[mg/l]	1.11212000[mg/l]	1.09687000[mg/l]	1.00838000[mg/l]	100.83700000[mg/l]	1.00852000[mg/l]
Conc RSD	*1.43684240*	*6.45490126*	*1.42599719*	*0.18874525*	*0.10518654*	*0.15687396*	*0.24052473*
Conc SD	*0.00698781[mg/l]*	*0.06034500[mg/l]*	*0.01585880[mg/l]*	*0.00207029[mg/l]*	*0.00106068[mg/l]*	*0.15818700[mg/l]*	*0.00242574[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	122387	901366	268557	211466	92691.60000000	1435460	121266
Int RSD	*0.39140350*	*1.56377099*	*0.34239547*	*0.85874325*	*2.20863595*	*0.59025330*	*1.42368842*
Int SD	*479.02700000*	*14095.30000000*	*919.52700000*	*1815.95000000*	*2047.22000000*	*8472.85000000*	*1726.45000000*
RelInt Mean	0.14234800	0.03292160	0.31834900	1.19136000	0.51967200	1.72995000	0.14327300
RelInt RSD	*0.29093840*	*1.76296110*	*0.16900980*	*0.45874379*	*1.83476693*	*0.60064742*	*1.48958282*
RelInt SD	*0.00041414*	*0.00058040*	*0.00053804*	*0.00546529*	*0.00953477*	*0.01039090*	*0.00213417*
Conc Mean	1.00204000[mg/l]	0.99284100[mg/l]	1.03738000[mg/l]	114.63600000[mg/l]	107.68700000[mg/l]	1.02934000[mg/l]	1.05091000[mg/l]
Conc RSD	*0.29095844*	*1.77232810*	*0.16898918*	*0.45878433*	*1.83289534*	*0.60076262*	*1.49061290*
Conc SD	*0.00291552[mg/l]*	*0.01759640[mg/l]*	*0.00175306[mg/l]*	*0.52593200[mg/l]*	*1.97379000[mg/l]*	*0.00618389[mg/l]*	*0.01566500[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	1232280	86398.10000000	30325.80000000	19161.10000000	14700.60000000	218049	214508
Int RSD	*0.29893774*	*0.26049763*	*0.62243041*	*1.81433738*	*0.73059603*	*0.26302391*	*0.58617860*
Int SD	*3683.75000000*	*225.06500000*	*188.75700000*	*347.64700000*	*107.40200000*	*573.52100000*	*1257.40000000*
RelInt Mean	6.91710000	0.09860870	0.03112360	0.01939060	0.01501390	0.26120200	1.20967000
RelInt RSD	*0.29451071*	*0.25066348*	*0.33481667*	*1.83561623*	*0.57834673*	*0.26061630*	*0.32568634*
RelInt SD	*0.02037160*	*0.00024718*	*0.00010421*	*0.00035594*	*0.00008683*	*0.00068074*	*0.00393973*
Conc Mean	97.42270000[mg/l]	0.98462600[mg/l]	1.01855000[mg/l]	1.04449000[mg/l]	0.98951000[mg/l]	4.76172000[mg/l]	1.03807000[mg/l]
Conc RSD	*0.29477627*	*0.25113089*	*0.33305778*	*1.84184626*	*0.57783044*	*0.26066841*	*0.32543759*
Conc SD	*0.28717900[mg/l]*	*0.00247270[mg/l]*	*0.00339236[mg/l]*	*0.01923790[mg/l]*	*0.00571769[mg/l]*	*0.01241230[mg/l]*	*0.00337827[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	3013030	20078.30000000	155065	832056	26518300	177368	204820
Int RSD	*1.23399037*	*0.52554250*	*1.14125044*	*0.48008548*	*0.16502264*	*0.43512866*	*0.25333561*
Int SD	*37180.50000000*	*105.52000000*	*1769.68000000*	*3994.58000000*	*43761.20000000*	*771.77900000*	*518.88200000*
RelInt Mean	0.11242500	0.02161400	0.00559785	---	---	---	0.24408600
RelInt RSD	*1.35572159*	*0.70066623*	*1.31015479*	---	---	---	*0.24332366*
RelInt SD	*0.00152417*	*0.00015144*	*0.00007334*	---	---	---	*0.00059392*
Conc Mean	1.03977000[mg/l]	1.00359000[mg/l]	1.01471000[mg/l]	826525	26467400	177156	0.99691800[mg/l]
Conc RSD	*1.35561711*	*0.69492821*	*1.31706596*	---	---	---	*0.24366798*
Conc SD	*0.01409530[mg/l]*	*0.00697423[mg/l]*	*0.01336440[mg/l]*	*4039.92000000*	*43627.10000000*	*772.17600000*	*0.00242917[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42868.90000000	114327	293825	122253	226354	49424.80000000	
Int RSD	*3.13409021*	*0.24548794*	*0.42492300*	*0.77200232*	*0.29116693*	*0.44543630*	
Int SD	*1343.55000000*	*280.65900000*	*1248.53000000*	*943.79600000*	*659.06800000*	*220.15600000*	
RelInt Mean	0.24131600	0.63188200	0.34933000	0.14481000	0.26809500	0.05646310	
RelInt RSD	*2.75706542*	*0.38653261*	*0.09670541*	*0.33080934*	*0.29422891*	*0.07097078*	
RelInt SD	*0.00665324*	*0.00244243*	*0.00033782*	*0.00047904*	*0.00078881*	*0.00004007*	
Conc Mean	1.04080000[mg/l]	1.20594000[mg/l]	5.37266000[mg/l]	5.37917000[mg/l]	1.03873000[mg/l]	5.45849000[mg/l]	
Conc RSD	*2.74651230*	*0.38728461*	*0.09217390*	*0.33267400*	*0.28961617*	*0.07091210*	
Conc SD	*0.02858570[mg/l]*	*0.00467042[mg/l]*	*0.00495219[mg/l]*	*0.01789510[mg/l]*	*0.00300833[mg/l]*	*0.00387073[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607012	File:	met06_master	Time:	23-DEC-2022 09:23
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	29448900	-3.33
Yttrium	A	919101	894349	-2.69
Yttrium	R	186284	178578	-4.14

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-12-23 09:23:20	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29033.00000000	702.26200000	1778.07000000	5268.73000000	4131.02000000	63.77450000	3842.83000000
Int RSD	*0.18811731*	*4.58941250*	*1.75094344*	*0.51539935*	*1.45611011*	*215.91702013*	*0.61340991*
Int SD	*54.61610000*	*32.22970000*	*31.13300000*	*27.15500000*	*60.15220000*	*137.70000000*	*23.57230000*
RelInt Mean	0.00003142	0.00266667	-0.00005869	0.00161439	0.00015420	0.00012014	0.00001059
RelInt RSD	*13.48170214*	*8.12507734*	*53.92020063*	*3.69367377*	*28.47498735*	*514.89466193*	*133.21432956*
RelInt SD	*0.00000424*	*0.00021667*	*0.00003165*	*0.00005963*	*0.00004391*	*0.00061858*	*0.00001410*
Conc Mean	<0.00020044[mg/l]	<0.01784120[mg/l]	<0.00182987[mg/l]	0.00165495[mg/l]	<0.00007581[mg/l]	<0.00280897[mg/l]	<-0.00015150[mg/l]
Conc RSD	*84.64892587*	*111.83888976*	*92.87545017*	*42.86093235*	*181.54620177*	*1804.71133547*	*57.57288923*
Conc SD	*0.00016967[mg/l]*	*0.01995340[mg/l]*	*0.00169950[mg/l]*	*0.00070933[mg/l]*	*0.00013763[mg/l]*	*0.05069380[mg/l]*	*0.00008722[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	3801.06000000	31016.70000000	5180.95000000	-239.44700000	392.88100000	4669.47000000	3166.58000000
Int RSD	*0.40453979*	*0.48306235*	*0.38612610*	*16.67133019*	*21.18598252*	*0.46183614*	*4.28506464*
Int SD	*15.37680000*	*149.83000000*	*20.00500000*	*39.91900000*	*83.23570000*	*21.56530000*	*135.69000000*
RelInt Mean	0.00007369	0.00016355	0.00058585	-0.00090064	-0.00011758	0.00001431	0.00090357
RelInt RSD	*7.53631232*	*4.23822830*	*1.84146112*	*24.70967835*	*217.02062513*	*259.11277018*	*20.22831657*
RelInt SD	*0.00000555*	*0.00000693*	*0.00001079*	*0.00022254*	*0.00025516*	*0.00003707*	*0.00018278*
Conc Mean	<0.00019571[mg/l]	<-0.00024301[mg/l]	0.00083897[mg/l]	<-0.02985430[mg/l]	<0.08585180[mg/l]	<-0.00010387[mg/l]	0.00603890[mg/l]
Conc RSD	*19.98252508*	*86.46785782*	*4.19442388*	*71.69285497*	*61.52555916*	*21.23527033*	*22.21331699*
Conc SD	*0.00003911[mg/l]*	*0.00021013[mg/l]*	*0.00003519[mg/l]*	*0.02140340[mg/l]*	*0.05282080[mg/l]*	*0.00002206[mg/l]*	*0.00134144[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	4291.60000000	4285.26000000	3971.75000000	2746.57000000	1998.15000000	1840.20000000	78.44860000
Int RSD	*4.66588219*	*0.87331457*	*0.10335444*	*1.69969453*	*1.32525086*	*1.42617107*	*163.78877380*
Int SD	*200.24100000*	*37.42380000*	*4.10498000*	*46.68330000*	*26.48050000*	*26.24440000*	*128.49000000*
RelInt Mean	0.00739097	0.00022046	-0.00005433	0.00007525	0.00004722	0.00008982	-0.00060178
RelInt RSD	*3.76037245*	*4.69942257*	*48.30268416*	*70.51591109*	*93.42125048*	*35.98950314*	*68.67292695*
RelInt SD	*0.00027793*	*0.00001036*	*0.00002624*	*0.00005306*	*0.00004411*	*0.00003232*	*0.00041326*
Conc Mean	0.03161450[mg/l]	<0.00038580[mg/l]	<-0.00015393[mg/l]	0.00616936[mg/l]	<0.00396094[mg/l]	<0.00028322[mg/l]	<0.00000297[mg/l]
Conc RSD	*12.39114963*	*26.86333110*	*554.99116493*	*46.49817809*	*73.33562235*	*208.12407316*	*11922.70433905*
Conc SD	*0.00391740[mg/l]*	*0.00010364[mg/l]*	*0.00085431[mg/l]*	*0.00286864[mg/l]*	*0.00290478[mg/l]*	*0.00058945[mg/l]*	*0.00035446[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	33108.30000000	1765.00000000	6591.80000000	894349	29448900	178578	2811.58000000
Int RSD	*0.98075105*	*0.56315297*	*0.63824449*	*0.30859430*	*0.05909796*	*0.50394169*	*0.98691483*
Int SD	*324.71000000*	*9.93965000*	*42.07180000*	*2759.91000000*	*17403.70000000*	*899.92900000*	*27.74790000*
RelInt Mean	0.00006636	-0.00002101	0.00002702	---	---	---	0.00030250
RelInt RSD	*8.68388374*	*51.43116917*	*6.11144626*	---	---	---	*16.20196297*
RelInt SD	*0.00000576*	*0.00001080*	*0.00000165*	---	---	---	*0.00004901*
Conc Mean	0.00064164[mg/l]	0.00281536[mg/l]	<-0.00059603[mg/l]	889224	29400100	178357	<-0.00060582[mg/l]
Conc RSD	*8.30556867*	*17.92005285*	*50.55794639*	---	---	---	*33.12270867*
Conc SD	*0.00005329[mg/l]*	*0.00050451[mg/l]*	*0.00030134[mg/l]*	*2783.03000000*	*17071.30000000*	*927.65900000*	*0.00020066[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-97.96100000	1675.76000000	7470.19000000	2447.10000000	3892.35000000	2135.76000000	
Int RSD	*50.27327202*	*0.59393529*	*0.41256648*	*4.39230109*	*1.27509859*	*1.11502229*	
Int SD	*49.24820000*	*9.95293000*	*30.81950000*	*107.48400000*	*49.63130000*	*23.81420000*	
RelInt Mean	-0.00135667	0.00059929	0.00385302	0.00067426	0.00009041	-0.00009970	
RelInt RSD	*35.48268923*	*85.95909840*	*0.58541612*	*16.36181349*	*41.31902967*	*28.62476165*	
RelInt SD	*0.00048138*	*0.00051515*	*0.00002256*	*0.00011032*	*0.00003736*	*0.00002854*	
Conc Mean	<-0.00178362[mg/l]	<-0.00045439[mg/l]	<0.00096444[mg/l]	<-0.00408528[mg/l]	<-0.00004238[mg/l]	<-0.00544624[mg/l]	
Conc RSD	*115.95182830*	*216.65228854*	*34.27909904*	*100.85746877*	*355.62781237*	*50.61749023*	
Conc SD	*0.00206814[mg/l]*	*0.00098445[mg/l]*	*0.00033060[mg/l]*	*0.00412031[mg/l]*	*0.00015071[mg/l]*	*0.00275675[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607014	File:	met06_master	Time:	23-DEC-2022 09:34
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01871]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	137.9	mg/l	86	
Aluminum	R	400.0	405.5	mg/l	101	
Calcium	R	400.0	404.6	mg/l	101	
Magnesium	R	400.0	409.8	mg/l	102	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	25378000	-16.70
Yttrium	A	919101	825563	-10.18
Yttrium	R	186284	175795	-5.63

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S17207			Sample Type: Control Sample
Measure Date: 2022-12-23 09:34:23	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31486.90000000	782144	8249.36000000	8429.20000000	5959.84000000	867028	5669.06000000
Int RSD	*1.11022679*	*0.53571209*	*0.36617871*	*0.69922175*	*0.16168320*	*0.40236532*	*0.37990954*
Int SD	*349.57600000*	*4190.04000000*	*30.20740000*	*58.93880000*	*9.63606000*	*3488.62000000*	*21.53730000*
RelInt Mean	0.00001556	4.40577000	-0.00011731	0.00223835	0.00033571	4.93671000	0.00017276
RelInt RSD	*60.78061323*	*0.04824287*	*17.61202936*	*5.39915563*	*3.12880164*	*0.09873884*	*25.76546383*
RelInt SD	*0.00000946*	*0.00212547*	*0.00002066*	*0.00012085*	*0.00001050*	*0.00487445*	*0.00004451*
Conc Mean	<-0.00043499[mg/l]	>405.51000000[mg/l]	<-0.00131294[mg/l]	0.00907709[mg/l]	0.00066075[mg/l]	>404.56600000[mg/l]	<0.00084840[mg/l]
Conc RSD	*87.06570941*	*0.04820078*	*84.49510259*	*15.83701384*	*3.86416263*	*0.09877325*	*32.41926302*
Conc SD	*0.00037873[mg/l]*	*0.19545900[mg/l]*	*0.00110937[mg/l]*	*0.00143754[mg/l]*	*0.00002553[mg/l]*	*0.39960300[mg/l]*	*0.00027505[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	5596.36000000	35998.70000000	34610500	-256.32600000	348813	11320.40000000	12351.50000000
Int RSD	*0.46723763*	*1.63202005*	*0.31218850*	*10.24956501*	*0.58341002*	*2.00644854*	*1.11979112*
Int SD	*26.14830000*	*587.50600000*	*108050*	*26.27230000*	*2035.01000000*	*227.13800000*	*138.31100000*
RelInt Mean	-0.00072473	0.00019396	42.26560000	-0.00081599	1.97927000	0.00296236	-0.00040024
RelInt RSD	*3.54986885*	*2.22255505*	*0.35290875*	*12.89989718*	*0.46877182*	*10.27879799*	*61.12667118*
RelInt SD	*0.00002573*	*0.00000431*	*0.14915900*	*0.00010526*	*0.00927826*	*0.00030450*	*0.00024465*
Conc Mean	<-0.00542649[mg/l]	0.00067894[mg/l]	>137.86900000[mg/l]	<-0.02171330[mg/l]	>409.83900000[mg/l]	0.00165044[mg/l]	<-0.00352991[mg/l]
Conc RSD	*3.33836421*	*19.24871012*	*0.35301917*	*46.62395859*	*0.46848153*	*10.97858753*	*50.86645269*
Conc SD	*0.00018116[mg/l]*	*0.00013069[mg/l]*	*0.48670400[mg/l]*	*0.01012360[mg/l]*	*1.92002000[mg/l]*	*0.00018119[mg/l]*	*0.00179554[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	5373.86000000	6027.69000000	12919.70000000	14769.70000000	9717.61000000	8401.08000000	3372.84000000
Int RSD	*3.18577335*	*0.98200471*	*0.12960131*	*0.57329059*	*1.13063809*	*0.37733363*	*3.55267371*
Int SD	*171.19900000*	*59.19220000*	*16.74410000*	*84.67330000*	*109.87100000*	*31.70010000*	*119.82600000*
RelInt Mean	0.01413060	0.00016164	0.00185563	0.00014834	-0.00040736	0.00006116	0.01779400
RelInt RSD	*4.35225680*	*37.70397179*	*7.49303471*	*44.51792528*	*19.33543465*	*61.88680047*	*3.58097673*
RelInt SD	*0.00061500*	*0.00006094*	*0.00013904*	*0.00006604*	*0.00007877*	*0.00003785*	*0.00063720*
Conc Mean	0.12660900[mg/l]	<-0.00020261[mg/l]	<-0.01870560[mg/l]	0.01015350[mg/l]	<-0.02597320[mg/l]	<-0.00023930[mg/l]	0.01578130[mg/l]
Conc RSD	*6.84625895*	*300.90765510*	*24.44054187*	*35.16984291*	*19.96939153*	*288.43516379*	*3.46327616*
Conc SD	*0.00866798[mg/l]*	*0.00060967[mg/l]*	*0.00457175[mg/l]*	*0.00357097[mg/l]*	*0.00518669[mg/l]*	*0.00069023[mg/l]*	*0.00054655[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	40912.40000000	8396.30000000	9732.11000000	825563	25378000	175795	14475.00000000
Int RSD	*1.25959122*	*0.60013220*	*2.04053386*	*0.20211298*	*0.41416975*	*0.48821866*	*1.13210363*
Int SD	*515.32900000*	*50.38890000*	*198.58700000*	*1668.57000000*	*105108*	*858.26400000*	*163.87200000*
RelInt Mean	0.00018507	-0.00002171	0.00001751	---	---	---	0.00089589
RelInt RSD	*3.03211740*	*458.99371707*	*8.98843865*	---	---	---	*25.00449275*
RelInt SD	*0.00000561*	*0.00009965*	*0.00000157*	---	---	---	*0.00022401*
Conc Mean	0.00173955[mg/l]	<0.00280540[mg/l]	<-0.00232670[mg/l]	818625	25316600	175575	0.00182630[mg/l]
Conc RSD	*2.98327728*	*165.12048193*	*12.30919328*	---	---	---	*50.21195860*
Conc SD	*0.00005190[mg/l]*	*0.00463229[mg/l]*	*0.00028640[mg/l]*	*1650.20000000*	*105286*	*877.28400000*	*0.00091702[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-73.91820000	1778.99000000	10391.00000000	6635.58000000	5908.38000000	7392.44000000	
Int RSD	*94.86378186*	*4.17688126*	*0.91410355*	*1.57473800*	*0.78894553*	*0.50413125*	
Int SD	*70.12160000*	*74.30630000*	*94.98450000*	*104.49300000*	*46.61390000*	*37.26760000*	
RelInt Mean	-0.00131481	0.00138957	0.00424724	0.00040724	-0.00048431	-0.00034125	
RelInt RSD	*35.03753394*	*52.29840886*	*5.40249668*	*51.44679848*	*9.59800209*	*16.41793407*	
RelInt SD	*0.00046068*	*0.00072672*	*0.00022946*	*0.00020951*	*0.00004648*	*0.00005603*	
Conc Mean	<-0.00160376[mg/l]	<0.00105585[mg/l]	0.00733616[mg/l]	<-0.01405780[mg/l]	<-0.00226719[mg/l]	<-0.02878010[mg/l]	
Conc RSD	*123.40936300*	*131.53194109*	*48.79405575*	*55.66304827*	*7.89730900*	*18.80518136*	
Conc SD	*0.00197919[mg/l]*	*0.00138878[mg/l]*	*0.00357961[mg/l]*	*0.00782500[mg/l]*	*0.00017905[mg/l]*	*0.00541215[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607015	File:	met06_master	Time:	23-DEC-2022 09:37
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9520	mg/l	-5	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	25353900	-16.78
Yttrium	A	919101	829899	-9.71
Yttrium	R	186284	175568	-5.75

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17208			Sample Type: Control Sample
Measure Date: 2022-12-23 09:37:40	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	679618	776655	8308.54000000	8516.70000000	138697	865217	66523.20000000
Int RSD	*0.86930894*	*0.64185127*	*0.51885650*	*1.54442448*	*0.36175692*	*0.65043336*	*0.56152440*
Int SD	*5907.98000000*	*4984.97000000*	*43.10940000*	*131.53400000*	*501.74600000*	*5627.66000000*	*373.54400000*
RelInt Mean	0.02557530	4.38116000	-0.00008521	0.00235586	0.16153300	4.93305000	0.07385550
RelInt RSD	*0.96047358*	*0.42807613*	*93.93478832*	*2.00416833*	*0.12596312*	*0.30297281*	*0.40692569*
RelInt SD	*0.00024564*	*0.01875470*	*0.00008004*	*0.00004722*	*0.00020347*	*0.01494580*	*0.00030054*
Conc Mean	1.02331000[mg/l]	>403.24400000[mg/l]	<-0.00002148[mg/l]	0.01047490[mg/l]	0.48901000[mg/l]	>404.26500000[mg/l]	0.45601400[mg/l]
Conc RSD	*0.96177307*	*0.42839819*	*20008.09931435*	*5.36114903*	*0.12580479*	*0.30302895*	*0.40709276*
Conc SD	*0.00984192[mg/l]*	*1.72749000[mg/l]*	*0.00429840[mg/l]*	*0.00056158[mg/l]*	*0.00061520[mg/l]*	*1.22504000[mg/l]*	*0.00185640[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	62963.50000000	476815	34800600	-235.84600000	348109	683591	12312.80000000
Int RSD	*0.61414311*	*0.87010476*	*0.33456032*	*59.12290223*	*0.81974037*	*0.38318966*	*0.82519817*
Int SD	*386.68600000*	*4148.79000000*	*116429*	*139.43900000*	*2853.59000000*	*2619.45000000*	*101.60500000*
RelInt Mean	0.06884250	0.01756870	42.27810000	-0.00094274	1.97794000	0.81976500	-0.00050030
RelInt RSD	*0.38445147*	*0.98012374*	*0.06333350*	*48.03726164*	*0.46688676*	*0.15403195*	*20.48251049*
RelInt SD	*0.00026467*	*0.00017219*	*0.02677620*	*0.00045287*	*0.00923474*	*0.00126270*	*0.00010247*
Conc Mean	0.48443900[mg/l]	0.52740700[mg/l]	>137.90900000[mg/l]	<-0.03390350[mg/l]	>409.56300000[mg/l]	0.48770900[mg/l]	<-0.00426425[mg/l]
Conc RSD	*0.38469240*	*0.98991860*	*0.06350594*	*128.46697244*	*0.46674871*	*0.15404001*	*17.63658322*
Conc SD	*0.00186360[mg/l]*	*0.00522090[mg/l]*	*0.08758040[mg/l]*	*0.04355480[mg/l]*	*1.91163000[mg/l]*	*0.00075127[mg/l]*	*0.00075207[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	5494.64000000	80261.80000000	37506.50000000	14862.20000000	9746.84000000	8398.61000000	3274.07000000
Int RSD	*3.06598794*	*0.64872704*	*0.63393545*	*0.95495956*	*0.95588622*	*0.09319697*	*7.41312800*
Int SD	*168.46500000*	*520.68000000*	*237.76700000*	*141.92800000*	*93.16870000*	*7.82725000*	*242.71100000*
RelInt Mean	0.01488800	0.09012930	0.03154670	0.00023161	-0.00038392	0.00003585	0.01755000
RelInt RSD	*2.27252149*	*0.52107583*	*0.50972685*	*67.42195933*	*23.28237614*	*62.71566992*	*6.76159544*
RelInt SD	*0.00033833*	*0.00046964*	*0.00016080*	*0.00015616*	*0.00008939*	*0.00002249*	*0.00118666*
Conc Mean	0.13728300[mg/l]	0.89980100[mg/l]	0.95204300[mg/l]	0.01178160[mg/l]	<-0.02442920[mg/l]	<-0.00070082[mg/l]	0.01557210[mg/l]
Conc RSD	*3.47361290*	*0.52210767*	*0.52331880*	*71.59596320*	*24.09391220*	*58.50692686*	*6.53624110*
Conc SD	*0.00476868[mg/l]*	*0.00469793[mg/l]*	*0.00498222[mg/l]*	*0.00843515[mg/l]*	*0.00588595[mg/l]*	*0.00041003[mg/l]*	*0.00101783[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	41274.50000000	8532.02000000	81321.60000000	829899	25353900	175568	196491
Int RSD	*0.33937904*	*0.84392793*	*1.27251554*	*0.28806879*	*0.06926587*	*0.40979507*	*0.48084442*
Int SD	*140.07700000*	*72.00410000*	*1034.83000000*	*2390.68000000*	*17561.60000000*	*719.46900000*	*944.81600000*
RelInt Mean	0.00019088	0.00008623	0.00283992	---	---	---	0.22190300
RelInt RSD	*5.14127428*	*163.88054890*	*1.49026381*	---	---	---	*0.26031690*
RelInt SD	*0.00000981*	*0.00014132*	*0.00004232*	---	---	---	*0.00057765*
Conc Mean	0.00179331[mg/l]	<0.00782722[mg/l]	0.51227800[mg/l]	822880	25292400	175340	0.90636600[mg/l]
Conc RSD	*5.06106585*	*83.97451458*	*1.50631103*	---	---	---	*0.26073132*
Conc SD	*0.00009076[mg/l]*	*0.00657287[mg/l]*	*0.00771650[mg/l]*	*2395.50000000*	*18142.90000000*	*726.04800000*	*0.00236318[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	20473.30000000	1711.18000000	10279.90000000	7092.03000000	221695	7470.48000000	
Int RSD	*2.58558220*	*8.96784675*	*1.00676077*	*0.68343761*	*0.35358037*	*0.30980740*	
Int SD	*529.35400000*	*153.45600000*	*103.49400000*	*48.46960000*	*783.87000000*	*23.14410000*	
RelInt Mean	0.11585500	0.00098641	0.00414287	0.00087652	0.26116000	-0.00027739	
RelInt RSD	*2.29153683*	*36.98222543*	*5.30892835*	*6.86721353*	*0.13897687*	*2.64454354*	
RelInt SD	*0.00265486*	*0.00036480*	*0.00021994*	*0.00006019*	*0.00036295*	*0.00000734*	
Conc Mean	0.50178800[mg/l]	<0.00028540[mg/l]	0.00572286[mg/l]	<0.00346886[mg/l]	1.01579000[mg/l]	<-0.02261090[mg/l]	
Conc RSD	*2.27297185*	*244.26831490*	*59.72293573*	*64.80717008*	*0.13888993*	*3.13391771*	
Conc SD	*0.01140550[mg/l]*	*0.00069713[mg/l]*	*0.00341786[mg/l]*	*0.00224807[mg/l]*	*0.00141083[mg/l]*	*0.00070861[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607145	File:	met06_master	Time:	23-DEC-2022 17:08
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0322	1.000	1.052	mg/l	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	26365100	-13.46
Yttrium	A	919101	911510	-0.83
Yttrium	R	186284	175563	-5.76

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413 | Sample Type: Control Sample

Measure Date: 2022-12-23 17:08:14 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	354357	3458.71000000	21132.40000000	86032.00000000	310168	226943	154807
Int RSD	*1.54636426*	*1.13738648*	*0.33703697*	*0.18149758*	*0.43258815*	*0.27235429*	*0.41496379*
Int SD	*5479.65000000*	*39.33890000*	*71.22400000*	*156.14600000*	*1341.75000000*	*618.08900000*	*642.39300000*
RelInt Mean	0.01216780	0.01284670	0.02047100	0.08932270	0.33671600	1.29414000	0.16517700
RelInt RSD	*1.27456894*	*1.27794687*	*0.29441258*	*0.25369363*	*0.42943311*	*0.46758233*	*0.43237073*
RelInt SD	*0.00015509*	*0.00016417*	*0.00006027*	*0.00022661*	*0.00144597*	*0.00605117*	*0.00071418*
Conc Mean	0.48630200[mg/l]	0.95534700[mg/l]	1.10339000[mg/l]	1.04496000[mg/l]	1.01582000[mg/l]	106.05000000[mg/l]	1.01831000[mg/l]
Conc RSD	*1.27743254*	*1.58235699*	*0.29307498*	*0.25765388*	*0.42783072*	*0.46773692*	*0.43274445*
Conc SD	*0.00621218[mg/l]*	*0.01511700[mg/l]*	*0.00323376[mg/l]*	*0.00269238[mg/l]*	*0.00434599[mg/l]*	*0.49603500[mg/l]*	*0.00440668[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	132174	890415	303003	177277	91785.90000000	1535490	134476
Int RSD	*0.55238474*	*1.60935070*	*1.66038290*	*1.94699820*	*0.92818505*	*0.35963829*	*0.83730926*
Int SD	*730.10900000*	*14329.90000000*	*5031.01000000*	*3451.58000000*	*851.94300000*	*5522.21000000*	*1125.98000000*
RelInt Mean	0.14012900	0.03256470	0.32784400	1.00944000	0.51920800	1.68917000	0.14496000
RelInt RSD	*0.53709082*	*1.45344499*	*1.66886995*	*1.69519734*	*1.24373469*	*0.34651101*	*0.90335955*
RelInt SD	*0.00075262*	*0.00047331*	*0.00547129*	*0.01711200*	*0.00645757*	*0.00585316*	*0.00130951*
Conc Mean	0.98641100[mg/l]	0.98202000[mg/l]	1.06835000[mg/l]	97.13980000[mg/l]	107.59100000[mg/l]	1.00507000[mg/l]	1.06328000[mg/l]
Conc RSD	*0.53737235*	*1.46123297*	*1.67045444*	*1.69401214*	*1.24266900*	*0.34670222*	*0.90339704*
Conc SD	*0.00530070[mg/l]*	*0.01434960[mg/l]*	*0.01784630[mg/l]*	*1.64556000[mg/l]*	*1.33700000[mg/l]*	*0.00348460[mg/l]*	*0.00960564[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	1065230	96863.00000000	34356.60000000	21108.70000000	16469.10000000	249888	214729
Int RSD	*1.27003558*	*0.73779668*	*0.34609653*	*2.10489988*	*0.67765087*	*0.46133068*	*0.92507300*
Int SD	*13528.80000000*	*714.65200000*	*118.90700000*	*444.31700000*	*111.60300000*	*1152.81000000*	*1986.40000000*
RelInt Mean	6.04023000	0.10086800	0.03216120	0.01934940	0.01527340	0.27331000	1.22355000
RelInt RSD	*1.01559378*	*0.71962862*	*0.52478763*	*2.71893702*	*0.86845758*	*0.53803373*	*0.54468228*
RelInt SD	*0.06134420*	*0.00072588*	*0.00016878*	*0.00052610*	*0.00013264*	*0.00147050*	*0.00666446*
Conc Mean	85.06340000[mg/l]	1.00722000[mg/l]	1.05245000[mg/l]	1.04235000[mg/l]	1.00660000[mg/l]	4.98251000[mg/l]	1.04998000[mg/l]
Conc RSD	*1.01649946*	*0.72111753*	*0.52417217*	*2.72699189*	*0.86794357*	*0.53818457*	*0.54448942*
Conc SD	*0.86466900[mg/l]*	*0.00726324[mg/l]*	*0.00551665[mg/l]*	*0.02842480[mg/l]*	*0.00873672[mg/l]*	*0.02681510[mg/l]*	*0.00571703[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	3077480	21283.30000000	156918	911510	26365100	175563	236700
Int RSD	*0.93479080*	*0.25179601*	*1.62766540*	*0.10318790*	*0.79743297*	*0.46088014*	*0.64116603*
Int SD	*28768.00000000*	*53.59050000*	*2554.10000000*	*940.56800000*	*210244*	*809.13500000*	*1517.64000000*
RelInt Mean	0.11537500	0.02071280	0.00565990	---	---	---	0.25760400
RelInt RSD	*0.68212524*	*0.35294311*	*1.33774272*	---	---	---	*0.59434636*
RelInt SD	*0.00078700*	*0.00007310*	*0.00007571*	---	---	---	*0.00153106*
Conc Mean	1.06705000[mg/l]	0.96157800[mg/l]	1.02602000[mg/l]	905261	26309200	175295	1.05227000[mg/l]
Conc RSD	*0.68225669*	*0.34945163*	*1.34542212*	---	---	---	*0.59565796*
Conc SD	*0.00728002[mg/l]*	*0.00336025[mg/l]*	*0.01380430[mg/l]*	*956.09200000*	*209938*	*771.49500000*	*0.00626793[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	43216.50000000	98374.60000000	316156	140395	248272	57137.20000000	
Int RSD	*0.93005449*	*1.43507572*	*0.47311454*	*0.19791303*	*0.39500024*	*0.50455570*	
Int SD	*401.93700000*	*1411.75000000*	*1495.78000000*	*277.86000000*	*980.67500000*	*288.28900000*	
RelInt Mean	0.24574500	0.54534600	0.34286200	0.15194500	0.26820900	0.05969210	
RelInt RSD	*0.96098395*	*1.68844733*	*0.48940682*	*0.23790582*	*0.40145558*	*0.65554236*	
RelInt SD	*0.00236157*	*0.00920788*	*0.00167799*	*0.00036149*	*0.00107674*	*0.00039131*	
Conc Mean	1.05983000[mg/l]	1.04057000[mg/l]	5.27138000[mg/l]	5.64565000[mg/l]	1.03921000[mg/l]	5.77040000[mg/l]	
Conc RSD	*0.95741770*	*1.69099628*	*0.49298666*	*0.23935419*	*0.40205637*	*0.65500485*	
Conc SD	*0.01014700[mg/l]*	*0.01759600[mg/l]*	*0.02598720[mg/l]*	*0.01351310[mg/l]*	*0.00417821[mg/l]*	*0.03779640[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607147	File:	met06_master	Time:	23-DEC-2022 17:16
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	28627000	-6.03
Yttrium	A	919101	984737	7.14
Yttrium	R	186284	174551	-6.30

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-12-23 17:16:15	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	34630.30000000	722.36400000	2185.90000000	6175.79000000	4985.02000000	56.27630000	4664.79000000
Int RSD	*0.69764339*	*4.93870126*	*0.73282858*	*0.60058389*	*0.79589651*	*90.22963486*	*0.57770232*
Int SD	*241.59600000*	*35.67540000*	*16.01890000*	*37.09080000*	*39.67560000*	*50.77790000*	*26.94860000*
RelInt Mean	0.00003389	0.00275941	-0.00005513	0.00153990	0.00014176	0.00013073	0.00000790
RelInt RSD	*33.89418395*	*35.21738343*	*31.99081447*	*1.25390610*	*14.24324934*	*155.75418225*	*679.62267160*
RelInt SD	*0.00001149*	*0.00097179*	*0.00001764*	*0.00001931*	*0.00002019*	*0.00020362*	*0.00005370*
Conc Mean	<0.00029926[mg/l]	<0.02638200[mg/l]	<0.00202117[mg/l]	<0.00076889[mg/l]	<0.00003602[mg/l]	<0.00367713[mg/l]	<-0.00016910[mg/l]
Conc RSD	*153.73315868*	*339.22636646*	*46.86320300*	*29.86756250*	*182.69231837*	*453.80500553*	*196.17504435*
Conc SD	*0.00046007[mg/l]*	*0.08949470[mg/l]*	*0.00094718[mg/l]*	*0.00022965[mg/l]*	*0.00006581[mg/l]*	*0.01668700[mg/l]*	*0.00033173[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	4621.76000000	35794.20000000	7942.06000000	-232.23900000	504.50700000	5666.30000000	3864.95000000
Int RSD	*1.55268988*	*0.27801795*	*2.94591076*	*33.28924083*	*13.99167901*	*0.61543159*	*5.53381027*
Int SD	*71.76160000*	*99.51430000*	*233.96600000*	*77.31060000*	*70.58900000*	*34.87220000*	*213.87900000*
RelInt Mean	0.00009242	0.00016216	0.00233083	-0.00088917	-0.00039523	0.00007843	0.00098194
RelInt RSD	*69.59805846*	*3.26228548*	*10.77418774*	*45.56282826*	*67.67562015*	*72.97048841*	*21.71767783*
RelInt SD	*0.00006432*	*0.00000529*	*0.00025113*	*0.00040513*	*0.00026747*	*0.00005723*	*0.00021326*
Conc Mean	<0.00032758[mg/l]	<-0.00028504[mg/l]	0.00653107[mg/l]	<-0.02875120[mg/l]	<0.02837510[mg/l]	<-0.00006571[mg/l]	0.00661406[mg/l]
Conc RSD	*138.26924192*	*56.26302458*	*12.54278395*	*135.51990873*	*195.13411406*	*51.82665808*	*23.66307533*
Conc SD	*0.00045294[mg/l]*	*0.00016037[mg/l]*	*0.00081918[mg/l]*	*0.03896360[mg/l]*	*0.05536950[mg/l]*	*0.00003406[mg/l]*	*0.00156509[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	6848.50000000	5146.25000000	4752.06000000	3384.85000000	2435.09000000	2245.86000000	91.01690000
Int RSD	*1.38747025*	*0.22402526*	*1.06845242*	*1.15155177*	*1.55161822*	*0.45360352*	*55.30961832*
Int SD	*95.02090000*	*11.52890000*	*50.77350000*	*38.97830000*	*37.78330000*	*10.18730000*	*50.34110000*
RelInt Mean	0.01746080	0.00018072	-0.00010434	0.00013336	0.00003668	0.00009615	-0.00078481
RelInt RSD	*1.02897347*	*18.57688285*	*52.59342323*	*20.73213710*	*85.78400499*	*17.12749760*	*58.04045040*
RelInt SD	*0.00017967*	*0.00003357*	*0.00005487*	*0.00002765*	*0.00003146*	*0.00001647*	*0.00045551*
Conc Mean	0.17354700[mg/l]	<-0.00001171[mg/l]	<-0.00178985[mg/l]	0.00931025[mg/l]	<0.00326682[mg/l]	<0.00039874[mg/l]	<-0.00015402[mg/l]
Conc RSD	*1.45915516*	*2868.15945891*	*99.49269492*	*16.03920410*	*63.42161490*	*75.31323670*	*253.67464208*
Conc SD	*0.00253232[mg/l]*	*0.00033585[mg/l]*	*0.00178077[mg/l]*	*0.00149329[mg/l]*	*0.00207187[mg/l]*	*0.00030030[mg/l]*	*0.00039070[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	40838.30000000	2136.22000000	7950.80000000	984737	28627000	174551	3314.38000000
Int RSD	*0.26316717*	*0.27049883*	*2.10814006*	*0.26020552*	*0.50010829*	*0.08437419*	*0.82000857*
Int SD	*107.47300000*	*5.77845000*	*167.61400000*	*2562.34000000*	*143166*	*147.27600000*	*27.17820000*
RelInt Mean	0.00012994	-0.00005197	0.00002792	---	---	---	0.00022239
RelInt RSD	*1.41763696*	*28.64449045*	*25.72045222*	---	---	---	*5.34158921*
RelInt SD	*0.00000184*	*0.00001489*	*0.00000718*	---	---	---	*0.00001188*
Conc Mean	0.00122971[mg/l]	<0.00137229[mg/l]	<-0.00043281[mg/l]	978748	28572200	174219	<-0.00093386[mg/l]
Conc RSD	*1.38525343*	*50.72972914*	*302.58451785*	---	---	---	*5.22905905*
Conc SD	*0.00001703[mg/l]*	*0.00069616[mg/l]*	*0.00130961[mg/l]*	*2594.50000000*	*143463*	*219.23600000*	*0.00004883[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-151.56000000	2364.88000000	8578.06000000	2936.17000000	4728.34000000	2686.68000000	
Int RSD	*28.23330694*	*0.23330782*	*1.00858819*	*1.34586894*	*0.12826595*	*0.76849495*	
Int SD	*42.79040000*	*5.51745000*	*86.51730000*	*39.51700000*	*6.06485000*	*20.64700000*	
RelInt Mean	-0.00176118	0.00117559	0.00373178	0.00073631	0.00009691	0.00004130	
RelInt RSD	*9.98949568*	*31.86876377*	*2.79349265*	*5.32841422*	*19.77098622*	*2.92282474*	
RelInt SD	*0.00017593*	*0.00037465*	*0.00010425*	*0.00003923*	*0.00001916*	*0.00000121*	
Conc Mean	<-0.00352148[mg/l]	<0.00064693[mg/l]	<-0.00094187[mg/l]	<-0.00176775[mg/l]	<-0.00001778[mg/l]	0.00817405[mg/l]	
Conc RSD	*21.46381635*	*110.66979529*	*169.47934262*	*82.89124593*	*405.80553728*	*1.42655110*	
Conc SD	*0.00075584[mg/l]*	*0.00071596[mg/l]*	*0.00159627[mg/l]*	*0.00146531[mg/l]*	*0.00007216[mg/l]*	*0.00011661[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607158	File:	met06_master	Time:	23-DEC-2022 17:52
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0316	1.000	1.035	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	28092400	-7.79
Yttrium	A	919101	969038	5.43
Yttrium	R	186284	180703	-3.00

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413			Sample Type: Control Sample
Measure Date: 2022-12-23 17:52:01	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	372747	3635.80000000	21967.70000000	88333.40000000	326969	232981	163016
Int RSD	*0.99788597*	*1.32759503*	*0.74892228*	*1.07372749*	*0.68385382*	*0.48382057*	*0.79114934*
Int SD	*3719.59000000*	*48.26870000*	*164.52100000*	*948.46000000*	*2235.99000000*	*1127.21000000*	*1289.70000000*
RelInt Mean	0.01201000	0.01279450	0.02004340	0.08619940	0.33391700	1.29138000	0.16368100
RelInt RSD	*1.64136553*	*3.22397124*	*1.46241656*	*0.22511526*	*0.50405041*	*0.27790581*	*0.27131188*
RelInt SD	*0.00019713*	*0.00041249*	*0.00029312*	*0.00019405*	*0.00168311*	*0.00358882*	*0.00044409*
Conc Mean	0.47998100[mg/l]	0.95053700[mg/l]	1.08043000[mg/l]	1.00781000[mg/l]	1.00743000[mg/l]	105.82400000[mg/l]	1.00912000[mg/l]
Conc RSD	*1.64501303*	*3.99624633*	*1.45669780*	*0.22892906*	*0.50138471*	*0.27823934*	*0.26846559*
Conc SD	*0.00789575[mg/l]*	*0.03798580[mg/l]*	*0.01573860[mg/l]*	*0.00230717[mg/l]*	*0.00505110[mg/l]*	*0.29444400[mg/l]*	*0.00270914[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	139424	927923	312908	169379	93363.20000000	1615870	139408
Int RSD	*0.55651753*	*1.18925816*	*1.08070423*	*3.21506208*	*0.78713562*	*0.31079171*	*0.84890394*
Int SD	*775.91900000*	*11035.40000000*	*3381.61000000*	*5445.64000000*	*734.89500000*	*5021.99000000*	*1183.44000000*
RelInt Mean	0.13913200	0.03182930	0.31839800	0.93749200	0.51313100	1.67200000	0.14133700
RelInt RSD	*1.04347670*	*1.68471188*	*0.47879070*	*3.56628110*	*0.79442482*	*0.91268541*	*1.82397391*
RelInt SD	*0.00145181*	*0.00053623*	*0.00152446*	*0.03343360*	*0.00407644*	*0.01526010*	*0.00257795*
Conc Mean	0.97938900[mg/l]	0.95972600[mg/l]	1.03754000[mg/l]	90.22060000[mg/l]	106.33300000[mg/l]	0.99485000[mg/l]	1.03669000[mg/l]
Conc RSD	*1.04365068*	*1.69379594*	*0.47911695*	*3.56408625*	*0.79336518*	*0.91304217*	*1.82474993*
Conc SD	*0.01022140[mg/l]*	*0.01625580[mg/l]*	*0.00497103[mg/l]*	*3.21554000[mg/l]*	*0.84360900[mg/l]*	*0.00908340[mg/l]*	*0.01891700[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	1031530	102113	35893.00000000	21632.80000000	16941.00000000	266202	218341
Int RSD	*2.38643568*	*0.76826163*	*0.64247068*	*2.07190470*	*0.60213683*	*0.48722023*	*0.30875420*
Int SD	*24616.80000000*	*784.49500000*	*230.60200000*	*448.21100000*	*102.00800000*	*1296.99000000*	*674.13700000*
RelInt Mean	5.68224000	0.10007900	0.03161600	0.01860970	0.01474330	0.27389400	1.20861000
RelInt RSD	*2.75822563*	*0.27337204*	*1.24857983*	*2.96764053*	*1.55070439*	*0.73382038*	*0.56346547*
RelInt SD	*0.15672900*	*0.00027359*	*0.00039475*	*0.00055227*	*0.00022862*	*0.00200989*	*0.00681010*
Conc Mean	80.01760000[mg/l]	0.99933200[mg/l]	1.03464000[mg/l]	1.00241000[mg/l]	0.97169500[mg/l]	4.99314000[mg/l]	1.03717000[mg/l]
Conc RSD	*2.76064266*	*0.27351371*	*1.24657852*	*2.97772369*	*1.54937506*	*0.73416728*	*0.56287976*
Conc SD	*2.20900000[mg/l]*	*0.00273331[mg/l]*	*0.01289760[mg/l]*	*0.02984900[mg/l]*	*0.01505520[mg/l]*	*0.03665800[mg/l]*	*0.00583802[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	3192660	22073.50000000	166892	969038	28092400	180703	251300
Int RSD	*1.15606109*	*0.37476567*	*0.90004913*	*1.09320790*	*0.58206134*	*0.34538386*	*0.65857143*
Int SD	*36909.10000000*	*82.72390000*	*1502.11000000*	*10593.60000000*	*163515*	*624.11900000*	*1654.99000000*
RelInt Mean	0.11231700	0.02017620	0.00564630	---	---	---	0.25724800
RelInt RSD	*1.71404151*	*1.16315758*	*1.55832846*	---	---	---	*0.86207084*
RelInt SD	*0.00192516*	*0.00023468*	*0.00008799*	---	---	---	*0.00221766*
Conc Mean	1.03876000[mg/l]	0.93676100[mg/l]	1.02355000[mg/l]	962540	28033800	180374	1.05081000[mg/l]
Conc RSD	*1.71420732*	*1.15495842*	*1.56660642*	---	---	---	*0.86339586*
Conc SD	*0.01780650[mg/l]*	*0.01081920[mg/l]*	*0.01603500[mg/l]*	*10631.90000000*	*163685*	*673.24500000*	*0.00907265[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	43744.00000000	96674.20000000	338322	149200	260658	59943.70000000	
Int RSD	*1.56225997*	*0.88270190*	*1.22395529*	*0.66561729*	*0.82606327*	*0.54141303*	
Int SD	*683.39500000*	*853.34500000*	*4140.91000000*	*993.10100000*	*2153.20000000*	*324.54300000*	
RelInt Mean	0.24173200	0.52008900	0.34521800	0.15197000	0.26490500	0.05897690	
RelInt RSD	*1.32821472*	*1.11092332*	*0.37657944*	*0.77531092*	*0.42297805*	*0.55786418*	
RelInt SD	*0.00321072*	*0.00577779*	*0.00130002*	*0.00117824*	*0.00112049*	*0.00032901*	
Conc Mean	1.04259000[mg/l]	0.99230200[mg/l]	5.30876000[mg/l]	5.64658000[mg/l]	1.02643000[mg/l]	5.70131000[mg/l]	
Conc RSD	*1.32325267*	*1.11288700*	*0.38617304*	*0.77913002*	*0.42312091*	*0.55749994*	
Conc SD	*0.01379610[mg/l]*	*0.01104320[mg/l]*	*0.02050100[mg/l]*	*0.04399420[mg/l]*	*0.00434304[mg/l]*	*0.03178480[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607159	File:	met06_master	Time:	23-DEC-2022 17:57
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	29987800	-1.57
Yttrium	A	919101	1023490	11.36
Yttrium	R	186284	180069	-3.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1	Sample Type: Control Sample		
Measure Date: 2022-12-23 17:57:31	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	34584.40000000	714.59200000	2180.90000000	6232.66000000	4992.23000000	172.17600000	4685.15000000
Int RSD	*0.78513145*	*9.52171309*	*1.77788069*	*1.00983368*	*0.51342787*	*23.31480578*	*0.39108033*
Int SD	*271.53300000*	*68.04140000*	*38.77380000*	*62.93950000*	*25.63150000*	*40.14250000*	*18.32270000*
RelInt Mean	0.00002266	0.00256357	-0.00006056	0.00152349	0.00015761	0.00037983	0.00002001
RelInt RSD	*34.42338247*	*2.36142957*	*86.72131608*	*3.12127418*	*27.18958188*	*32.05054960*	*60.31419160*
RelInt SD	*0.00000780*	*0.00006054*	*0.00005251*	*0.00004755*	*0.00004285*	*0.00012174*	*0.00001207*
Conc Mean	<-0.00015057[mg/l]	<0.00834634[mg/l]	<0.00173023[mg/l]	<0.00057371[mg/l]	<0.00008184[mg/l]	<0.02409080[mg/l]	<-0.00009405[mg/l]
Conc RSD	*207.47620724*	*66.79538576*	*162.98873560*	*98.59214586*	*153.45629158*	*41.41215734*	*79.34406637*
Conc SD	*0.00031240[mg/l]*	*0.00557497[mg/l]*	*0.00282008[mg/l]*	*0.00056563[mg/l]*	*0.00012559[mg/l]*	*0.00997652[mg/l]*	*0.00007462[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	4577.12000000	36069.60000000	7120.58000000	-123.89900000	376.82400000	5658.59000000	3970.00000000
Int RSD	*0.66807294*	*0.35215805*	*2.42358066*	*87.55680030*	*17.91050995*	*0.38986567*	*4.20410579*
Int SD	*30.57850000*	*127.02200000*	*172.57300000*	*108.48200000*	*67.49110000*	*22.06090000*	*166.90300000*
RelInt Mean	0.00002542	0.00015645	0.00143497	-0.00037301	-0.00107536	0.00008209	0.00106305
RelInt RSD	*85.07166717*	*5.59191957*	*12.50493042*	*138.12149808*	*16.06568963*	*63.87738769*	*17.04077889*
RelInt SD	*0.00002162*	*0.00000875*	*0.00017944*	*0.00051521*	*0.00017276*	*0.00005244*	*0.00018115*
Conc Mean	<-0.00014425[mg/l]	<-0.00045817[mg/l]	0.00360878[mg/l]	<0.02089070[mg/l]	<-0.11241800[mg/l]	<-0.00006353[mg/l]	0.00720931[mg/l]
Conc RSD	*105.55093382*	*57.88677615*	*16.22005221*	*237.18879693*	*31.81287694*	*49.11613280*	*18.44129327*
Conc SD	*0.00015225[mg/l]*	*0.00026522[mg/l]*	*0.00058535[mg/l]*	*0.04955040[mg/l]*	*0.03576340[mg/l]*	*0.00003121[mg/l]*	*0.00132949[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	6743.42000000	5137.41000000	4791.72000000	3319.63000000	2486.39000000	2314.37000000	102.43600000
Int RSD	*2.68767183*	*0.30210748*	*0.46711411*	*1.25177505*	*1.96204135*	*1.36545151*	*91.51313991*
Int SD	*181.24100000*	*15.52050000*	*22.38280000*	*41.55430000*	*48.78400000*	*31.60160000*	*93.74240000*
RelInt Mean	0.01602960	0.00016549	-0.00005635	0.00004309	0.00007591	0.00015047	-0.00089603
RelInt RSD	*0.96085367*	*13.21259804*	*64.00379759*	*119.44539843*	*37.39697101*	*24.07667821*	*57.36601513*
RelInt SD	*0.00015402*	*0.00002187*	*0.00003607*	*0.00005147*	*0.00002839*	*0.00003623*	*0.00051402*
Conc Mean	0.15337500[mg/l]	<-0.00016413[mg/l]	<-0.00021810[mg/l]	<0.00443302[mg/l]	0.00585045[mg/l]	0.00138929[mg/l]	<-0.00024941[mg/l]
Conc RSD	*1.41575224*	*133.26387747*	*539.94461307*	*62.76127786*	*31.95343948*	*47.55277876*	*176.76865280*
Conc SD	*0.00217141[mg/l]*	*0.00021873[mg/l]*	*0.00117763[mg/l]*	*0.00278222[mg/l]*	*0.00186942[mg/l]*	*0.00066065[mg/l]*	*0.00044088[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	40685.60000000	2139.89000000	7999.47000000	1023490	29987800	180069	3399.16000000
Int RSD	*0.94837977*	*0.63435036*	*3.23442678*	*0.04524412*	*0.43236249*	*0.89992725*	*0.85201050*
Int SD	*385.85400000*	*13.57440000*	*258.73700000*	*463.06900000*	*129656*	*1620.49000000*	*28.96120000*
RelInt Mean	0.00011257	-0.00005471	0.00002635	---	---	---	0.00027785
RelInt RSD	*4.46229491*	*4.29819943*	*25.30901957*	---	---	---	*20.52941473*
RelInt SD	*0.00000502*	*0.00000235*	*0.00000667*	---	---	---	*0.00005704*
Conc Mean	0.00106905[mg/l]	<0.00124399[mg/l]	<-0.00071802[mg/l]	1017470	29932500	179747	<-0.00070655[mg/l]
Conc RSD	*4.34568074*	*8.55907202*	*169.43121362*	---	---	---	*33.05852381*
Conc SD	*0.00004646[mg/l]*	*0.00010647[mg/l]*	*0.00121655[mg/l]*	*440.34100000*	*129461*	*1638.43000000*	*0.00023358[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	34.67430000	2320.35000000	8539.09000000	2916.78000000	4733.93000000	2700.69000000	
Int RSD	*86.51450786*	*7.05833172*	*0.53878809*	*1.82457367*	*0.76824541*	*1.49287775*	
Int SD	*29.99830000*	*163.77800000*	*46.00760000*	*53.21880000*	*36.36820000*	*40.31800000*	
RelInt Mean	-0.00067680	0.00079129	0.00356203	0.00067942	0.00008585	0.00004704	
RelInt RSD	*14.66286250*	*16.19330460*	*1.07465687*	*5.76241949*	*52.53711559*	*87.12020715*	
RelInt SD	*0.00009924*	*0.00012814*	*0.00003828*	*0.00003915*	*0.00004510*	*0.00004098*	
Conc Mean	0.00113729[mg/l]	<-0.00008748[mg/l]	<-0.00360624[mg/l]	<-0.00389266[mg/l]	<-0.00005975[mg/l]	0.00872836[mg/l]	
Conc RSD	*37.48841544*	*279.92180891*	*15.76966591*	*37.56351698*	*301.45593126*	*45.35433919*	
Conc SD	*0.00042635[mg/l]*	*0.00024487[mg/l]*	*0.00056869[mg/l]*	*0.00146222[mg/l]*	*0.00018012[mg/l]*	*0.00395869[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607170	File:	met06_master	Time:	23-DEC-2022 18:33
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0316	1.000	1.035	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	27635600	-9.29
Yttrium	A	919101	979280	6.55
Yttrium	R	186284	183976	-1.24

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413			Sample Type: Control Sample
Measure Date: 2022-12-23 18:33:57	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	366993	3682.12000000	21883.80000000	87845.20000000	328153	235714	163793
Int RSD	*1.29338434*	*3.70683193*	*1.21451942*	*0.93048567*	*0.09861650*	*0.27457470*	*0.33872998*
Int SD	*4746.63000000*	*136.49000000*	*265.78300000*	*817.38700000*	*323.61300000*	*647.21100000*	*554.81600000*
RelInt Mean	0.01200010	0.01284220	0.01974660	0.08482140	0.33161300	1.28279000	0.16275900
RelInt RSD	*1.81477654*	*9.52212238*	*1.50557058*	*0.96309068*	*0.09693739*	*0.29738071*	*0.35555269*
RelInt SD	*0.00021777*	*0.00122285*	*0.00029730*	*0.00081691*	*0.00032146*	*0.00381477*	*0.00057869*
Conc Mean	0.47958500[mg/l]	0.95492600[mg/l]	1.06451000[mg/l]	0.99141700[mg/l]	1.00048000[mg/l]	105.12000000[mg/l]	1.00343000[mg/l]
Conc RSD	*1.81884755*	*11.79306040*	*1.49995773*	*0.98015870*	*0.09422497*	*0.29768836*	*0.35790638*
Conc SD	*0.00872292[mg/l]*	*0.11261500[mg/l]*	*0.01596720[mg/l]*	*0.00971746[mg/l]*	*0.00094270[mg/l]*	*0.31293000[mg/l]*	*0.00359134[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	139138	913342	310482	169894	93976.90000000	1601220	140118
Int RSD	*0.51711969*	*1.42345365*	*0.41552489*	*3.47006369*	*0.89743437*	*0.32522327*	*1.20641888*
Int SD	*719.51000000*	*13001.00000000*	*1290.13000000*	*5895.43000000*	*843.38100000*	*5207.54000000*	*1690.41000000*
RelInt Mean	0.13740200	0.03183940	0.31255100	0.92327600	0.50712400	1.63914000	0.14057100
RelInt RSD	*0.51704051*	*1.73757043*	*0.40934759*	*3.46137016*	*0.89207373*	*0.33011884*	*1.25028633*
RelInt SD	*0.00071042*	*0.00055323*	*0.00127942*	*0.03195800*	*0.00452392*	*0.00541111*	*0.00175754*
Conc Mean	0.96720600[mg/l]	0.96003200[mg/l]	1.01846000[mg/l]	88.85340000[mg/l]	105.09000000[mg/l]	0.97530000[mg/l]	1.03107000[mg/l]
Conc RSD	*0.51718869*	*1.74684802*	*0.40957720*	*3.45915857*	*0.89114854*	*0.33013124*	*1.25072982*
Conc SD	*0.00500228[mg/l]*	*0.01677030[mg/l]*	*0.00417138[mg/l]*	*3.07358000[mg/l]*	*0.93650800[mg/l]*	*0.00321977[mg/l]*	*0.01289590[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	1031200	102112	36170.90000000	21639.40000000	17093.70000000	265990	220668
Int RSD	*3.31178239*	*0.37175944*	*0.41016397*	*1.46317828*	*1.79113943*	*0.12770104*	*0.51632770*
Int SD	*34151.10000000*	*379.61100000*	*148.36000000*	*316.62300000*	*306.17200000*	*339.67200000*	*1139.37000000*
RelInt Mean	5.58013000	0.09910150	0.03162340	0.01845160	0.01474790	0.27076200	1.20005000
RelInt RSD	*3.31680445*	*0.35476960*	*0.44283031*	*1.80388151*	*2.20183891*	*0.14099874*	*0.50309570*
RelInt SD	*0.18508200*	*0.00035158*	*0.00014004*	*0.00033285*	*0.00032472*	*0.00038177*	*0.00603740*
Conc Mean	78.57830000[mg/l]	0.98955600[mg/l]	1.03488000[mg/l]	0.99393200[mg/l]	0.97199700[mg/l]	4.93604000[mg/l]	1.02983000[mg/l]
Conc RSD	*3.31986057*	*0.35544729*	*0.44273249*	*1.81124061*	*2.19995535*	*0.14088662*	*0.50282085*
Conc SD	*2.60869000[mg/l]*	*0.00351735[mg/l]*	*0.00458175[mg/l]*	*0.01800250[mg/l]*	*0.02138350[mg/l]*	*0.00695422[mg/l]*	*0.00517820[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	3118630	21899.50000000	163824	979280	27635600	183976	252031
Int RSD	*1.53420252*	*0.48819379*	*1.63993676*	*0.01460042*	*0.48005833*	*0.04518981*	*0.24155878*
Int SD	*47846.10000000*	*106.91200000*	*2686.61000000*	*142.97900000*	*132667*	*83.13840000*	*608.80300000*
RelInt Mean	0.11149600	0.01981370	0.00562842	---	---	---	0.25532900
RelInt RSD	*1.88153835*	*0.53073379*	*1.93549877*	---	---	---	*0.23680663*
RelInt SD	*0.00209784*	*0.00010516*	*0.00010894*	---	---	---	*0.00060464*
Conc Mean	1.03117000[mg/l]	0.91993800[mg/l]	1.02029000[mg/l]	972866	27577100	183632	1.04296000[mg/l]
Conc RSD	*1.88157142*	*0.52611046*	*1.94626038*	---	---	---	*0.23721619*
Conc SD	*0.01940220[mg/l]*	*0.00483989[mg/l]*	*0.01985750[mg/l]*	*110.36500000*	*132241*	*66.51570000*	*0.00247407[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	44504.60000000	94317.10000000	335421	150349	262460	60422.70000000	
Int RSD	*1.20343964*	*1.77101501*	*0.44214882*	*0.26109718*	*0.13700640*	*0.17768322*	
Int SD	*535.58600000*	*1670.37000000*	*1483.06000000*	*392.55700000*	*359.58700000*	*107.36100000*	
RelInt Mean	0.24130400	0.49763200	0.33857100	0.15155400	0.26402300	0.05886020	
RelInt RSD	*1.08375327*	*1.71472494*	*0.46594363*	*0.24513903*	*0.11834158*	*0.18805746*	
RelInt SD	*0.00261514*	*0.00853302*	*0.00157755*	*0.00037152*	*0.00031245*	*0.00011069*	
Conc Mean	1.04075000[mg/l]	0.94938500[mg/l]	5.20508000[mg/l]	5.63105000[mg/l]	1.02306000[mg/l]	5.69004000[mg/l]	
Conc RSD	*1.07923132*	*1.71764879*	*0.47893020*	*0.24644072*	*0.12457529*	*0.18793717*	
Conc SD	*0.01123210[mg/l]*	*0.01630710[mg/l]*	*0.02492870[mg/l]*	*0.01387720[mg/l]*	*0.00127448[mg/l]*	*0.01069370[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607171	File:	met06_master	Time:	23-DEC-2022 18:37
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	30806600	1.12
Yttrium	A	919101	1069160	16.33
Yttrium	R	186284	188999	1.46

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1 | Sample Type: Control Sample

Measure Date: 2022-12-23 18:37:11 | Recalculation Date: | State: Checked | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	33950.70000000	783.55400000	2196.93000000	6233.20000000	4810.04000000	120.86400000	4512.94000000
Int RSD	*0.61421119*	*7.69211822*	*2.11899332*	*0.54505551*	*0.76866097*	*26.79424808*	*0.59672409*
Int SD	*208.52900000*	*60.27190000*	*46.55280000*	*33.97440000*	*36.97290000*	*32.38460000*	*26.92980000*
RelInt Mean	0.00003310	0.00242618	0.00003425	0.00160322	0.00013204	0.00048864	0.00000895
RelInt RSD	*25.18178715*	*13.29431452*	*109.51050462*	*1.69306770*	*7.35742415*	*138.59682872*	*138.34648662*
RelInt SD	*0.00000834*	*0.00032254*	*0.00003751*	*0.00002714*	*0.00000971*	*0.00067723*	*0.00001238*
Conc Mean	<0.00026774[mg/l]	<-0.00430640[mg/l]	0.00682109[mg/l]	0.00152213[mg/l]	<-0.00007916[mg/l]	<0.03300810[mg/l]	<-0.00017132[mg/l]
Conc RSD	*124.69896168*	*689.75942783*	*29.53281660*	*21.21343118*	*52.78517135*	*168.14206210*	*45.51290582*
Conc SD	*0.00033387[mg/l]*	*0.02970380[mg/l]*	*0.00201446[mg/l]*	*0.00032290[mg/l]*	*0.00004178[mg/l]*	*0.05550050[mg/l]*	*0.00007797[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	4462.74000000	36507.80000000	8055.47000000	-233.53700000	531.11700000	5527.35000000	7225.68000000
Int RSD	*0.60861041*	*1.50781477*	*6.38944717*	*31.00497994*	*4.58373579*	*0.64327752*	*21.21336677*
Int SD	*27.16070000*	*550.47000000*	*514.70000000*	*72.40810000*	*24.34500000*	*35.55620000*	*1532.81000000*
RelInt Mean	0.00006360	0.00018884	0.00244820	-0.00072659	-0.00060316	0.00011948	0.00417003
RelInt RSD	*68.47586495*	*9.04378862*	*20.48684748*	*21.36168327*	*38.13588125*	*37.14509298*	*34.68128527*
RelInt SD	*0.00004355*	*0.00001708*	*0.00050156*	*0.00015521*	*0.00023002*	*0.00004438*	*0.00144622*
Conc Mean	<0.00012466[mg/l]	<0.00052366[mg/l]	0.00691394[mg/l]	<-0.01311470[mg/l]	<-0.01466850[mg/l]	<-0.00004128[mg/l]	0.03001180[mg/l]
Conc RSD	*246.01562625*	*98.87007700*	*23.66335259*	*113.82265702*	*324.61669564*	*63.97327765*	*35.36575614*
Conc SD	*0.00030669[mg/l]*	*0.00051775[mg/l]*	*0.00163607[mg/l]*	*0.01492750[mg/l]*	*0.04761640[mg/l]*	*0.00002641[mg/l]*	*0.01061390[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	6491.47000000	5010.02000000	4666.66000000	3741.22000000	2633.53000000	2888.00000000	225.53200000
Int RSD	*2.20444676*	*0.33377511*	*0.29110327*	*3.46854769*	*4.17580206*	*10.48628809*	*27.20429917*
Int SD	*143.10100000*	*16.72220000*	*13.58480000*	*129.76600000*	*109.97100000*	*302.84400000*	*61.35440000*
RelInt Mean	0.01465060	0.00018958	-0.00002302	0.00055328	0.00028917	0.00074436	-0.00022240
RelInt RSD	*2.52780091*	*3.82321013*	*132.14369489*	*21.00021689*	*41.88372318*	*37.60907094*	*187.00826877*
RelInt SD	*0.00037034*	*0.00000725*	*0.00003042*	*0.00011619*	*0.00012112*	*0.00027995*	*0.00041591*
Conc Mean	0.13393700[mg/l]	<0.00007690[mg/l]	<0.00087365[mg/l]	0.03201230[mg/l]	0.01989350[mg/l]	0.01221880[mg/l]	<0.00032837[mg/l]
Conc RSD	*3.89688436*	*94.28823318*	*113.59827392*	*19.62589380*	*40.09058235*	*41.77840704*	*108.63712912*
Conc SD	*0.00521937[mg/l]*	*0.00007251[mg/l]*	*0.00099246[mg/l]*	*0.00628270[mg/l]*	*0.00797542[mg/l]*	*0.00510482[mg/l]*	*0.00035673[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	57181.90000000	2176.92000000	8071.34000000	1069160	30806600	188999	3379.81000000
Int RSD	*5.10495454*	*2.45626849*	*1.63057188*	*0.33860040*	*0.29939948*	*0.33915047*	*0.48119865*
Int SD	*2919.11000000*	*53.47100000*	*131.60900000*	*3620.18000000*	*92234.80000000*	*640.99100000*	*16.26360000*
RelInt Mean	0.00067576	0.00005205	0.00003575	---	---	---	0.00035767
RelInt RSD	*14.22857397*	*104.56773118*	*8.42899618*	---	---	---	*4.44722789*
RelInt SD	*0.00009615*	*0.00005443*	*0.00000301*	---	---	---	*0.00001591*
Conc Mean	0.00627754[mg/l]	0.00613510[mg/l]	<0.00098684[mg/l]	1063320	30751500	188647	<-0.00037992[mg/l]
Conc RSD	*14.16527812*	*40.76429072*	*55.26460324*	---	---	---	*17.17501796*
Conc SD	*0.00088923[mg/l]*	*0.00250093[mg/l]*	*0.00054537[mg/l]*	*3579.03000000*	*92069.80000000*	*634.14000000*	*0.00006525[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17.76230000	2338.98000000	8538.18000000	2790.16000000	4594.55000000	2584.89000000	
Int RSD	*391.26858571*	*8.46368930*	*0.15746096*	*2.13653339*	*0.70612356*	*1.26411182*	
Int SD	*69.49830000*	*197.96400000*	*13.44430000*	*59.61270000*	*32.44320000*	*32.67590000*	
RelInt Mean	-0.00040195	0.00099344	0.00355768	0.00060295	0.00010008	0.00001536	
RelInt RSD	*76.54472718*	*48.60776695*	*0.88991984*	*9.81056598*	*37.92845723*	*225.89406647*	
RelInt SD	*0.00030767*	*0.00048289*	*0.00003166*	*0.00005915*	*0.00003796*	*0.00003469*	
Conc Mean	0.00231813[mg/l]	<0.00029884[mg/l]	<-0.00418726[mg/l]	<-0.00674840[mg/l]	<-0.00002292[mg/l]	<0.00566788[mg/l]	
Conc RSD	*57.02139224*	*308.80106010*	*15.32914125*	*32.73783415*	*659.32070992*	*59.12351708*	
Conc SD	*0.00132183[mg/l]*	*0.00092282[mg/l]*	*0.00064187[mg/l]*	*0.00220928[mg/l]*	*0.00015108[mg/l]*	*0.00335105[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607182	File:	met06_master	Time:	23-DEC-2022 19:13
Cal:	482514607001	Caldate:	23-DEC-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0277	0.0315	1.000	1.032	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	26827900	-11.94
Yttrium	A	919101	978601	6.47
Yttrium	R	186284	177880	-4.51

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413	Sample Type: Control Sample		
Measure Date: 2022-12-23 19:13:00	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	355758	3457.51000000	21881.30000000	88177.60000000	327533	227492	163595
Int RSD	*1.57559633*	*3.08114799*	*1.20214521*	*0.73495196*	*0.55674085*	*0.17320785*	*0.65231822*
Int SD	*5605.31000000*	*106.53100000*	*263.04500000*	*648.06300000*	*1823.51000000*	*394.03400000*	*1067.16000000*
RelInt Mean	0.01194350	0.01242470	0.01976590	0.08519220	0.33122300	1.28048000	0.16263400
RelInt RSD	*1.53161971*	*0.84874484*	*0.48316798*	*1.03300067*	*0.46827062*	*0.21413220*	*0.48718103*
RelInt SD	*0.00018293*	*0.00010545*	*0.00009550*	*0.00088004*	*0.00155102*	*0.00274192*	*0.00079232*
Conc Mean	0.47731600[mg/l]	0.91647900[mg/l]	1.06555000[mg/l]	0.99582800[mg/l]	0.99929500[mg/l]	104.93100000[mg/l]	1.00261000[mg/l]
Conc RSD	*1.53522614*	*1.05934342*	*0.48118718*	*1.05117550*	*0.47377501*	*0.21365755*	*0.48857582*
Conc SD	*0.00732788[mg/l]*	*0.00970866[mg/l]*	*0.00512729[mg/l]*	*0.01046790[mg/l]*	*0.00473441[mg/l]*	*0.22419300[mg/l]*	*0.00489851[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	138311	882932	328184	170271	90698.60000000	1594470	139978
Int RSD	*0.57877103*	*1.78013709*	*3.08604320*	*2.65415720*	*1.47783979*	*0.91002026*	*1.97388875*
Int SD	*800.50400000*	*15717.40000000*	*10127.90000000*	*4519.26000000*	*1340.38000000*	*14510.00000000*	*2763.01000000*
RelInt Mean	0.13663300	0.03165930	0.33103600	0.95703800	0.50633100	1.63342000	0.14053300
RelInt RSD	*0.41284756*	*1.66536215*	*4.12601651*	*2.95927643*	*1.69730868*	*0.07470216*	*1.09867433*
RelInt SD	*0.00056409*	*0.00052724*	*0.01365860*	*0.02832140*	*0.00859400*	*0.00122020*	*0.00154400*
Conc Mean	0.96179300[mg/l]	0.95457200[mg/l]	1.07876000[mg/l]	92.10050000[mg/l]	104.92500000[mg/l]	0.97189600[mg/l]	1.03079000[mg/l]
Conc RSD	*0.41313879*	*1.67433153*	*4.13018651*	*2.95749752*	*1.69563021*	*0.07480080*	*1.09911815*
Conc SD	*0.00397354[mg/l]*	*0.01598270[mg/l]*	*0.04455480[mg/l]*	*2.72387000[mg/l]*	*1.77914000[mg/l]*	*0.00072699[mg/l]*	*0.01132960[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	1029540	102805	36062.30000000	21772.90000000	17064.00000000	265660	213330
Int RSD	*2.15803174*	*0.76493167*	*0.63898032*	*2.26491648*	*1.16520745*	*0.54202740*	*0.26795950*
Int SD	*22217.80000000*	*786.38800000*	*230.43100000*	*493.13800000*	*198.83100000*	*1439.95000000*	*571.63800000*
RelInt Mean	5.76177000	0.09984220	0.03152840	0.01856220	0.01472050	0.27063400	1.19969000
RelInt RSD	*2.45402021*	*0.15091815*	*0.18533481*	*1.93695252*	*0.56542848*	*0.42914416*	*0.44769982*
RelInt SD	*0.14139500*	*0.00015068*	*0.00005843*	*0.00035954*	*0.00008323*	*0.00116141*	*0.00537101*
Conc Mean	81.13860000[mg/l]	0.99696700[mg/l]	1.03178000[mg/l]	0.99994600[mg/l]	0.97019100[mg/l]	4.93371000[mg/l]	1.02951000[mg/l]
Conc RSD	*2.45622922*	*0.15140321*	*0.18501619*	*1.94641511*	*0.56485991*	*0.42920236*	*0.44732251*
Conc SD	*1.99295000[mg/l]*	*0.00150944[mg/l]*	*0.00190896[mg/l]*	*0.01946310[mg/l]*	*0.00548022[mg/l]*	*0.02117560[mg/l]*	*0.00460523[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	3130330	21676.70000000	157894	978601	26827900	177880	252278
Int RSD	*0.82758048*	*0.74493350*	*1.92892700*	*0.96531886*	*0.15871276*	*0.33057567*	*0.55713142*
Int SD	*25906.00000000*	*161.47700000*	*3045.66000000*	*9446.62000000*	*42579.30000000*	*588.02800000*	*1405.52000000*
RelInt Mean	0.11528400	0.01958450	0.00557649	---	---	---	0.25577600
RelInt RSD	*0.67944468*	*0.46910005*	*1.83830689*	---	---	---	*0.46163049*
RelInt SD	*0.00078329*	*0.00009187*	*0.00010251*	---	---	---	*0.00118074*
Conc Mean	1.06620000[mg/l]	0.90919100[mg/l]	1.01082000[mg/l]	972129	26770000	177564	1.04480000[mg/l]
Conc RSD	*0.67931157*	*0.47296223*	*1.84865753*	---	---	---	*0.46275651*
Conc SD	*0.00724282[mg/l]*	*0.00430013[mg/l]*	*0.01868660[mg/l]*	*9451.01000000*	*42371.50000000*	*528.24300000*	*0.00483488[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42834.10000000	94404.60000000	334534	149993	262003	60833.80000000	
Int RSD	*2.01844558*	*1.57144885*	*0.23259848*	*0.73172081*	*0.74328157*	*0.89301671*	
Int SD	*864.58300000*	*1483.52000000*	*778.12100000*	*1097.53000000*	*1947.42000000*	*543.25600000*	
RelInt Mean	0.24022800	0.51582600	0.33803000	0.15129300	0.26371000	0.05931980	
RelInt RSD	*2.35593270*	*1.62908035*	*0.75147768*	*0.63719405*	*0.59571499*	*0.04228554*	
RelInt SD	*0.00565961*	*0.00840322*	*0.00254022*	*0.00096403*	*0.00157096*	*0.00002508*	
Conc Mean	1.03613000[mg/l]	0.98415500[mg/l]	5.19664000[mg/l]	5.62128000[mg/l]	1.02184000[mg/l]	5.73444000[mg/l]	
Conc RSD	*2.34657813*	*1.63172468*	*0.76818868*	*0.64041108*	*0.59774916*	*0.04225417*	
Conc SD	*0.02431360[mg/l]*	*0.01605870[mg/l]*	*0.03992000[mg/l]*	*0.03599930[mg/l]*	*0.00610804[mg/l]*	*0.00242304[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 475744 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482514607183	File:	met06_master	Time:	23-DEC-2022 19:16
Cal:	482514607001	Caldate:	23-DEC-2022		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30464900	29591900	-2.87
Yttrium	A	919101	1052280	14.49
Yttrium	R	186284	177768	-4.57

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2022-12-23 19:16:14	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	35318.10000000	851.55800000	2282.99000000	6405.37000000	5027.59000000	47.23260000	4728.27000000
Int RSD	*0.52642696*	*11.80013575*	*1.41379945*	*0.58648290*	*0.36564636*	*134.26891596*	*1.25842221*
Int SD	*185.92400000*	*100.48500000*	*32.27690000*	*37.56640000*	*18.38320000*	*63.41870000*	*59.50160000*
RelInt Mean	0.00003525	0.00279175	0.00003216	0.00162949	0.00013646	0.00019692	0.00000556
RelInt RSD	*5.55207580*	*21.31154294*	*143.26466518*	*4.13982289*	*16.46799311*	*77.25116799*	*396.89078365*
RelInt SD	*0.00000196*	*0.00059496*	*0.00004607*	*0.00006746*	*0.00002247*	*0.00015212*	*0.00002207*
Conc Mean	<0.00035384[mg/l]	<0.02935990[mg/l]	0.00670868[mg/l]	0.00183464[mg/l]	<-0.00005891[mg/l]	<0.00910143[mg/l]	<-0.00019362[mg/l]
Conc RSD	*22.15456747*	*186.62018604*	*36.88162202*	*43.73757249*	*79.84970625*	*136.97627735*	*71.33818820*
Conc SD	*0.00007839[mg/l]*	*0.05479150[mg/l]*	*0.00247427[mg/l]*	*0.00080243[mg/l]*	*0.00004704[mg/l]*	*0.01246680[mg/l]*	*0.00013813[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	4686.65000000	37311.10000000	10666.30000000	-189.70000000	491.11800000	5886.32000000	7010.39000000
Int RSD	*1.40316217*	*1.76647700*	*9.55101582*	*9.84717976*	*22.31439288*	*1.12679399*	*20.66903553*
Int SD	*65.76130000*	*659.09200000*	*1018.74000000*	*18.68010000*	*109.59000000*	*66.32670000*	*1448.98000000*
RelInt Mean	0.00007609	0.00018343	0.00473590	-0.00077478	-0.00066924	0.00022969	0.00391421
RelInt RSD	*51.20594277*	*9.17890593*	*21.07086298*	*34.94006694*	*53.45867875*	*28.91646204*	*34.99429004*
RelInt SD	*0.00003896*	*0.00001684*	*0.00099789*	*0.00027071*	*0.00035777*	*0.00006642*	*0.00136975*
Conc Mean	<0.00021255[mg/l]	<0.00035958[mg/l]	0.01437640[mg/l]	<-0.01774990[mg/l]	<-0.02834860[mg/l]	<0.00002430[mg/l]	0.02813430[mg/l]
Conc RSD	*129.07161105*	*141.94564800*	*22.64210790*	*146.67969960*	*261.25205478*	*162.65514914*	*35.73111824*
Conc SD	*0.00027434[mg/l]*	*0.00051041[mg/l]*	*0.00325512[mg/l]*	*0.02603550[mg/l]*	*0.07406130[mg/l]*	*0.00003952[mg/l]*	*0.01005270[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	6310.54000000	5188.93000000	4877.42000000	3845.71000000	2754.76000000	2952.45000000	222.93500000
Int RSD	*7.10902712*	*1.12542470*	*0.16778010*	*3.25939813*	*3.06677170*	*8.38320717*	*25.45692691*
Int SD	*448.61800000*	*58.39750000*	*8.18334000*	*125.34700000*	*84.48220000*	*247.51000000*	*56.75240000*
RelInt Mean	0.01282620	0.00015913	-0.00001458	0.00053126	0.00029327	0.00073088	-0.00042000
RelInt RSD	*4.58667415*	*6.84073599*	*139.82127304*	*23.10566489*	*28.07118940*	*32.19780099*	*53.54723657*
RelInt SD	*0.00058830*	*0.00001089*	*0.00002039*	*0.00012275*	*0.00008233*	*0.00023533*	*0.00022490*
Conc Mean	0.10822300[mg/l]	<-0.00022769[mg/l]	<0.00114275[mg/l]	0.03082120[mg/l]	0.02016360[mg/l]	0.01197300[mg/l]	<0.00015889[mg/l]
Conc RSD	*7.66164309*	*47.82538044*	*58.84454168*	*21.53485263*	*26.88562558*	*35.84064144*	*121.40690298*
Conc SD	*0.00829166[mg/l]*	*0.00010890[mg/l]*	*0.00067245[mg/l]*	*0.00663730[mg/l]*	*0.00542111[mg/l]*	*0.00429120[mg/l]*	*0.00019290[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	60357.30000000	2264.10000000	8412.22000000	1052280	29591900	177768	3391.99000000
Int RSD	*5.77129858*	*1.61262753*	*1.56695854*	*0.07617573*	*0.38732897*	*0.52467992*	*1.15313135*
Int SD	*3483.40000000*	*36.51150000*	*131.81600000*	*801.58200000*	*114618*	*932.71300000*	*39.11410000*
RelInt Mean	0.00076362	0.00006523	0.00003777	---	---	---	0.00023134
RelInt RSD	*14.79786333*	*85.93959130*	*2.23876906*	---	---	---	*14.85158273*
RelInt SD	*0.00011300*	*0.00005605*	*0.00000085*	---	---	---	*0.00003436*
Conc Mean	0.00709012[mg/l]	0.00675070[mg/l]	<0.00135476[mg/l]	1046250	29535800	177415	<-0.00089715[mg/l]
Conc RSD	*14.73952486*	*38.18285511*	*11.15607192*	---	---	---	*15.66512028*
Conc SD	*0.00104505[mg/l]*	*0.00257761[mg/l]*	*0.00015114[mg/l]*	*769.69700000*	*114520*	*985.94700000*	*0.00014054[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-44.82430000	2539.29000000	9503.01000000	2964.51000000	4783.48000000	2687.72000000	
Int RSD	*192.66848562*	*8.54455379*	*0.71379384*	*3.37762396*	*1.27730021*	*1.20557201*	
Int SD	*86.36230000*	*216.97100000*	*67.83190000*	*100.13000000*	*61.09940000*	*32.40240000*	
RelInt Mean	-0.00109902	0.00123886	0.00432697	0.00069693	0.00006466	0.00001482	
RelInt RSD	*33.79711015*	*56.03901974*	*2.07478212*	*16.17527628*	*30.82036071*	*121.82738035*	
RelInt SD	*0.00037144*	*0.00069425*	*0.00008978*	*0.00011273*	*0.00001993*	*0.00001806*	
Conc Mean	<-0.00067668[mg/l]	<0.00076785[mg/l]	0.00786861[mg/l]	<-0.00323839[mg/l]	<-0.00016032[mg/l]	0.00561646[mg/l]	
Conc RSD	*235.82673616*	*172.78442190*	*15.52459710*	*130.01337084*	*44.88316970*	*31.06244859*	
Conc SD	*0.00159579[mg/l]*	*0.00132672[mg/l]*	*0.00122157[mg/l]*	*0.00421034[mg/l]*	*0.00007196[mg/l]*	*0.00174461[mg/l]*	

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

enthalpy.com

Lab Job Number:	478361
Report Level:	IV
Report Date:	02/06/2023

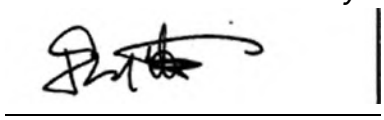
PCBs

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478361
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P-LA	478361-001	01/27/23 09:26	Wipe
AFRAME-C5W-MED-L2-HS-1-230127-P-G	478361-003	01/27/23 09:00	Wipe
AFRAME-C3W-LAT-L2-HS-1-P-230127-FB	478361-006	01/27/23 09:15	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478361 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/27/23

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 01/30/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

)G

478361

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:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-P-~~	1/27/2023		WP	1	--	X			MK
2	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-L-~~	~~1/27/2023~~		WP	1	--		X		MK
3	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P- LA	1/27/2023	0926	WP	1	--	X			
4	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L- LA	1/27/2023	0926	WP	1	--		X		
5	AFRAME-~~C4W~~ C3W-MED-L2-HS-1-230127-P- G1	1/27/2023	0900	WP	1	--	X			1xRivet Type 1 = 12.8835cm²
6	AFRAME-~~C4W~~ C3W-MED-L2-HS-1-230127-L- G1	1/27/2023	0900	WP	1	--		X		10xRivet Type 1 = 0.138ft²
7	AFRAME-C3W-LAT-L2-HS-1-L-FB	1/27/23	0915	WP	1	-		X		
8	AFRAME-C3W-LAT-L2-HS-1-P-FB	1/27/23	0915	WP	1	-	X			
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kamm	Rincon / Env Scientist	1/27/23 @ 1353
1 Received By:	Audrey Hudson	ENTHALPY	ENTHALPY	1/27/23 @ 13:53
2 Relinquished By:	Audrey Hudson	"	"	1/27/23 @ 16:50
2 Received By:		Jon Lucas	R.A. Enthalpy EA.	1/27/23 16:50
3 Relinquished By:		JSP		1-27-23 17:15
3 Received By:	Gene Sylvester	Gene Sylvester		1/28/23 11:14

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478361 Client: Rincon

Date Received: 1.27.23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 1.27.23 How many 2 ☑ Signature, ☐ Initials, ☐ None

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

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

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

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

If in cooler: Date Opened 1.27.23 By (print) JJP (sign) [signature]

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.3, #2: 7.2, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 1.27.22 **By (print)** JJ for MY **(sign)** [signature]

Date Labeled 1.27.22 **By (print)** JJP **(sign)** [signature]

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 478361

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NCTRA

Date Received: 1/28/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

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

gn 1/28/23

Sample Temp (°C), One from each cooler: #1: 4.2 #2: 2.9 #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: 2.9 #2: 2.2 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		✓ gn 1/28/23
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: 1/28/23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701542

SDS

ORANGE

S10003H

79867300

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 1 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

4.7.23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701543

SDS

ORANGE

S10003H

79867301

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 2 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

cooler #7 custody Seal on cooler Intact

2.9/2.2

1/20/23 @ 1114

AFRAME-C3W-LAT-L2-HS-1-L-230127-P-FB

AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-L-FB

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

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

Turn Around Time (rush by advanced notice only)

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

Sample Receipt Temp: (lab use only)

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

	ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD
1	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-P-~~	~~1/27/2023~~		~~WP~~	~~1~~	~~–~~	X		
2	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-L-~~	~~1/27/2023~~		~~WP~~	1	–		X	
3	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P- LA	1/27/2023	0926	WP	1	–	X		
4	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L- LA	1/27/2023	0926	WP	1	–		X	
5	AFRAME-~~C3W~~ C3W-MED-L2-HS-1-230127-P- G7	1/27/2023	0908	WP	1	–	X		
6	AFRAME-~~C3W~~ C3W-MED-L2-HS-1-230127-L- G7	1/27/2023	0908	WP	1	–		X	
7	AFRAME-C3W-LAT-L2-HS-1-L-FB	1/27/23	0915	WP	1	–		X	
8	AFRAME-C3W-LAT-L2-HS-1-P-FB	1/27/23	0915	WP	1	–	X		
10									
11									
12									
13									
14									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D (High Occupancy)

MK

MK

1xRivet Type 1 = 12.835cm²
10xRivet Type 1 = 0.138ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	1/27/23 @ 1353
1 Received By:	Audrey Hudson	ENTHALPY	ENTHALPY	1/27/23 @ 13:53
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 478361 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P-LA **Batch#:** 306460 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478361-001 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 02/01/23

DiIn Fac: 1.000 **Analyzed:** 02/02/23

478361-001 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

478361-001 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	88	19-121

Field ID: AFRAME-C5W-MED-L2-HS-1-230127-P-G **Batch#:** 306460 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478361-003 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 02/01/23

DiIn Fac: 1.000 **Analyzed:** 02/02/23

478361-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.44	ug/100 cm2
Aroclor-1221	ND	0.44	ug/100 cm2
Aroclor-1232	ND	0.44	ug/100 cm2
Aroclor-1242	ND	0.44	ug/100 cm2
Aroclor-1248	ND	0.44	ug/100 cm2
Aroclor-1254	ND	0.44	ug/100 cm2
Aroclor-1260	ND	0.44	ug/100 cm2
Aroclor-1262	ND	0.44	ug/100 cm2
Aroclor-1268	ND	0.44	ug/100 cm2

478361-003 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	84	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478361 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L2-HS-1-P-230127-FB **Batch#:** 306460 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478361-006 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 02/01/23

DiIn Fac: 1.000 **Analyzed:** 02/02/23

478361-006 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

478361-006 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	74	19-121

Type: BLANK **Batch#:** 306460 **Analysis:** EPA 8082

Lab ID: QC1042117 **Prepared:** 02/01/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/02/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042117 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

QC1042117 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	72	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 478361 **Project#:** 20-10491

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

Type: BS **Batch#:** 306460 **Analysis:** EPA 8082

Lab ID: QC1042118 **Prepared:** 02/01/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/02/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042118 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.994	80	60-140	ug/100 cm2
Aroclor-1260	5.000	4.318	86	60-140	ug/100 cm2

QC1042118 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	88	19-121

Type: BSD **Batch#:** 306460 **Analysis:** EPA 8082

Lab ID: QC1042119 **Prepared:** 02/01/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/02/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042119 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.160	83	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.156	83	60-140	ug/100 cm2	4	20

QC1042119 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	85	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_010423014	453006691014		04-JAN-2023 15:31	S17807
L2	gc06_010423015	453006691015		04-JAN-2023 15:49	S17797
L3	gc06_010423016	453006691016		04-JAN-2023 16:07	S17798
L4	gc06_010423017	453006691017		04-JAN-2023 16:26	S17799
L5	gc06_010423018	453006691018		04-JAN-2023 16:44	S17800
L6	gc06_010423019	453006691019		04-JAN-2023 17:02	S17801
L7	gc06_010423020	453006691020		04-JAN-2023 17:21	S17802
L8	gc06_010423021	453006691021		04-JAN-2023 17:39	S17803
L9	gc06_010423022	453006691022		04-JAN-2023 17:57	S17804
L10	gc06_010423023	453006691023		04-JAN-2023 18:16	S17805

Analyte	Ch	Type	X	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		43.8687		0.0228		20	8	.99	20	
Aroclor-1016 Peak # 2	A	QUAD	A	0.45356	0.04438	-5.35E-6	0.0495	1.000		9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	R		17.5207		0.0571		18	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		27.4681		0.0364		16	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		41.8358		0.0239		13	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		13.5062		0.0740		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		9.89275		0.1011		17	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		8.68970		0.1151		19	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		16.5048		0.0606		10	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		7.61626		0.1313		15	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.71754		1.3936		16	8	.99	20	
TCMX (PCB)	A	AVRG	R		1.00901		0.9911		18	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		45.2637		0.0221		20	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		31.3881		0.0319		18	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		17.8281		0.0561		18	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.4309		0.0409		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.4795		0.0328		16	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		16.0294		0.0624		19	8	.99	20	
Aroclor-1260 Peak # 2	B	QUAD	A	0.93788	0.06605	-7.38E-6	0.0755	0.998		9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		10.9847		0.0910		18	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		19.9818		0.0500		13	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1294		0.0824		18	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.92107		1.0857		20	10	.99	20	
TCMX (PCB)	B	AVRG	R		1.03391		0.9672		13	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	0.0327	0.0254	0.0226	0.0214	0.0218	0.0205	0.0191	0.0187		
Aroclor-1016 Peak # 2	A	0.0881	0.0530	0.0492	0.0471	0.0480	0.0436	0.0402	0.0392	0.0368	
Aroclor-1016 Peak # 3	A	0.0777	0.0683	0.0611	0.0562	0.0598	0.0538	0.0508	0.0498	0.0454	0.0478
Aroclor-1016 Peak # 4	A	0.0490	0.0412	0.0403	0.0365	0.0374	0.0359	0.0316	0.0312	0.0300	0.0310
Aroclor-1016 Peak # 5	A	0.0301	0.0252	0.0262	0.0245	0.0255	0.0234	0.0216	0.0215	0.0201	0.0209
Aroclor-1260 Peak # 1	A	0.1011	0.0818	0.0781	0.0702	0.0750	0.0653	0.0594	0.0614		
Aroclor-1260 Peak # 2	A	0.1328	0.1147	0.1136	0.1049	0.1119	0.0965	0.0858	0.0894	0.0791	0.0822
Aroclor-1260 Peak # 3	A	0.1601	0.1276	0.1196	0.1008	0.1177	0.1032	0.0930	0.0986		
Aroclor-1260 Peak # 4	A	0.0677	0.0613	0.0653	0.0620	0.0703	0.0616	0.0548	0.0589	0.0508	0.0532
Aroclor-1260 Peak # 5	A	0.1723	0.1336	0.1463	0.1354	0.1448	0.1257	0.1103	0.1197	0.1087	0.1162
Decachlorobiphenyl (PCB)	A	1.8118	1.4660	1.5680	1.3606	1.3223	1.3070	1.0922	1.2212		
TCMX (PCB)	A	1.4485	1.0967	1.0013	0.9898	0.9268	0.9238	0.8443	0.8759	0.8690	0.9346
Aroclor-1016 Peak # 1	B	0.0312	0.0256	0.0244	0.0220	0.0218	0.0199	0.0186	0.0182	0.0171	
Aroclor-1016 Peak # 2	B	0.0438	0.0362	0.0360	0.0338	0.0328	0.0295	0.0281	0.0270	0.0250	0.0264
Aroclor-1016 Peak # 3	B	0.0786	0.0634	0.0605	0.0580	0.0568	0.0517	0.0480	0.0486	0.0462	0.0491
Aroclor-1016 Peak # 4	B	0.0542	0.0465	0.0461	0.0420	0.0420	0.0385	0.0357	0.0360	0.0332	0.0351
Aroclor-1016 Peak # 5	B	0.0454	0.0345	0.0358	0.0335	0.0339	0.0312	0.0287	0.0292	0.0271	0.0287
Aroclor-1260 Peak # 1	B	0.0864	0.0684	0.0661	0.0612	0.0622	0.0548	0.0489	0.0511		
Aroclor-1260 Peak # 2	B	0.1195	0.0863	0.0842	0.0744	0.0750	0.0654	0.0580	0.0612	0.0555	
Aroclor-1260 Peak # 3	B	0.1217	0.1081	0.1032	0.0924	0.0959	0.0839	0.0765	0.0826	0.0708	0.0752
Aroclor-1260 Peak # 4	B	0.0645	0.0519	0.0542	0.0477	0.0547	0.0485	0.0431	0.0469	0.0434	0.0456
Aroclor-1260 Peak # 5	B	0.1142	0.0954	0.0910	0.0788	0.0866	0.0771	0.0704	0.0777	0.0644	0.0688
Decachlorobiphenyl (PCB)	B	1.5458	1.2779	1.2380	1.0695	1.0414	1.0502	0.8706	0.9855	0.8589	0.9192
TCMX (PCB)	B	1.2479	1.0977	0.9996	0.9492	0.8959	0.9174	0.8473	0.8893	0.8747	0.9531

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	**44**	20.000	12	50.000	-1	100.00	-6	250.00	-4	500.00	-10	749.91	-16	1000.0	-18
Aroclor-1016 Peak # 2	A	10.000	-4	20.000	**-32**	50.000	-9	100.00	-3	250.00	8	500.00	3	749.91	-2	1000.0	-1
Aroclor-1016 Peak # 3	A	10.000	**36**	20.000	20	50.000	7	100.00	-1	250.00	5	500.00	-6	749.91	-11	1000.0	-13
Aroclor-1016 Peak # 4	A	10.000	**35**	20.000	13	50.000	11	100.00	0	250.00	3	500.00	-1	749.91	-13	1000.0	-14
Aroclor-1016 Peak # 5	A	10.000	**26**	20.000	5	50.000	9	100.00	3	250.00	7	500.00	-2	749.91	-9	1000.0	-10
Aroclor-1260 Peak # 1	A	10.000	**37**	20.000	10	50.000	5	100.00	-5	250.00	1	500.00	-12	749.91	-20	1000.0	-17
Aroclor-1260 Peak # 2	A	10.000	**31**	20.000	13	50.000	12	100.00	4	250.00	11	500.00	-5	749.91	-15	1000.0	-12
Aroclor-1260 Peak # 3	A	10.000	**39**	20.000	11	50.000	4	100.00	-12	250.00	2	500.00	-10	749.91	-19	1000.0	-14
Aroclor-1260 Peak # 4	A	10.000	12	20.000	1	50.000	8	100.00	2	250.00	16	500.00	2	749.91	-10	1000.0	-3
Aroclor-1260 Peak # 5	A	10.000	**31**	20.000	2	50.000	11	100.00	3	250.00	10	500.00	-4	749.91	-16	1000.0	-9
Decachlorobiphenyl (PCB)	A	0.8000	**30**	1.6000	5	4.0000	13	8.0000	-2	20.000	-5	40.000	-6	59.993	**-22**	80.000	-12
TCMX (PCB)	A	0.8000	**46**	1.6000	11	4.0000	1	8.0000	0	20.000	-6	40.000	-7	59.993	-15	80.000	-12
Aroclor-1016 Peak # 1	B	10.000	**41**	20.000	16	50.000	10	100.00	0	250.00	-1	500.00	-10	749.91	-16	1000.0	-17
Aroclor-1016 Peak # 2	B	10.000	**38**	20.000	14	50.000	13	100.00	6	250.00	3	500.00	-8	749.91	-12	1000.0	-15
Aroclor-1016 Peak # 3	B	10.000	**40**	20.000	13	50.000	8	100.00	3	250.00	1	500.00	-8	749.91	-14	1000.0	-13
Aroclor-1016 Peak # 4	B	10.000	**32**	20.000	14	50.000	13	100.00	3	250.00	3	500.00	-6	749.91	-13	1000.0	-12
Aroclor-1016 Peak # 5	B	10.000	**38**	20.000	5	50.000	9	100.00	2	250.00	3	500.00	-5	749.91	-12	1000.0	-11
Aroclor-1260 Peak # 1	B	10.000	**39**	20.000	10	50.000	6	100.00	-2	250.00	0	500.00	-12	749.91	**-22**	1000.0	-18
Aroclor-1260 Peak # 2	B	10.000	**-61**	20.000	**-40**	50.000	0	100.00	0	250.00	11	500.00	2	749.91	-7	1000.0	3
Aroclor-1260 Peak # 3	B	10.000	**34**	20.000	19	50.000	13	100.00	1	250.00	5	500.00	-8	749.91	-16	1000.0	-9
Aroclor-1260 Peak # 4	B	10.000	**29**	20.000	4	50.000	8	100.00	-5	250.00	9	500.00	-3	749.91	-14	1000.0	-6
Aroclor-1260 Peak # 5	B	10.000	**38**	20.000	16	50.000	10	100.00	-4	250.00	5	500.00	-6	749.91	-15	1000.0	-6
Decachlorobiphenyl (PCB)	B	0.8000	**42**	1.6000	18	4.0000	14	8.0000	-1	20.000	-4	40.000	-3	59.993	-20	80.000	-9
TCMX (PCB)	B	0.8000	**29**	1.6000	13	4.0000	3	8.0000	-2	20.000	-7	40.000	-5	59.993	-12	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A				
Aroclor-1016 Peak # 2	A	1500.0	0		
Aroclor-1016 Peak # 3	A	1500.0	-20	2000.0	-16
Aroclor-1016 Peak # 4	A	1500.0	-18	2000.0	-15
Aroclor-1016 Peak # 5	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 1	A				
Aroclor-1260 Peak # 2	A	1500.0	**-22**	2000.0	-19
Aroclor-1260 Peak # 3	A				
Aroclor-1260 Peak # 4	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-11
Decachlorobiphenyl (PCB)	A				
TCMX (PCB)	A	120.00	-12	160.00	-6
Aroclor-1016 Peak # 1	B	1500.0	**-23**		
Aroclor-1016 Peak # 2	B	1500.0	**-22**	2000.0	-17
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-14
Aroclor-1016 Peak # 5	B	1500.0	-17	2000.0	-13
Aroclor-1260 Peak # 1	B				
Aroclor-1260 Peak # 2	B	1500.0	0		
Aroclor-1260 Peak # 3	B	1500.0	**-22**	2000.0	-17
Aroclor-1260 Peak # 4	B	1500.0	-13	2000.0	-9
Aroclor-1260 Peak # 5	B	1500.0	**-22**	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	**-21**	160.00	-15
TCMX (PCB)	B	120.00	-10	160.00	-1

TRN 01/05/23 : Manually integrated for coeluting, automatically draw baseline due to software limitation, and negative/positive baseline on both channels and multiple levels

Analyst: TRN 01/05/23

Reviewer: LW 01/06/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478361 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_010423_1
Calnum:	453006691001	Cal Date:	04-JAN-2023

- ICV 453006691025 (gc06_010423025 04-JAN-2023) stds: S17806

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	524.9	ug/L	5	15	
Aroclor-1260	A	500.0	484.4	ug/L	-3	15	
Aroclor-1016	B	500.0	508.8	ug/L	2	15	
Aroclor-1260	B	500.0	494.9	ug/L	-1	15	

-

Analyst: TRN 01/05/23 **Reviewer:** LW 01/06/23

ENTHALPY CONTINUING CALIBRATION FOR 478361 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453048221004	File:	gc06_020223004	Time:	02-FEB-2023 12:18
Cal:	453006691001	Caldate:	04-JAN-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	532.0	ug/L	6	15	0.0000	
Aroclor-1260	A			500.0	480.8	ug/L	-4	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3936	1.5954	40.00	45.79	ug/L	14	15	0.0000	
TCMX (PCB)	A	0.9911	0.9883	40.00	39.89	ug/L	0	15	0.0000	
Aroclor-1016	B			500.0	518.2	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	548.0	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0857	1.2924	40.00	47.61	ug/L	**19**	15	0.0000	c+
TCMX (PCB)	B	0.9672	1.0100	40.00	41.77	ug/L	4	15	0.0000	

ISTD (ICAL gc06_010423016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5172441	8893310	71.94
1-bromo-2-nitrobenzene (PCB)	A	1108047	1973814	78.13

TRN 02/03/23 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

+=high bias c=CCV

Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Enthalpy Internal Standard Summary for Sequence 453048221

Date:	02/02/23	Reference:	gc06_010423016
Sequence:	SVOA-GC06 gc06_020223	Analyzed:	01/04/23 16:07

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	5172441	1108047
		LOWER LIMIT	2586220	554024
		UPPER LIMIT	10344882	2216094
004	CCV		8893310	1973814

Enthalpy Internal Standard Summary for Sequence 453048221

Date:	02/02/23	Reference:	gc06_020223004
Sequence:	SVOA-GC06 gc06_020223	Analyzed:	02/02/23 12:18

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8893310	1973814
		LOWER LIMIT	4446655	986907
		UPPER LIMIT	17786620	3947628
011	BLANK	QC1042117	8152983	1586228
012	BS	QC1042118	5932700	1219195
013	BSD	QC1042119	8122003	1680029
014	SAMPLE	478361-001	5916560	1256575
015	SAMPLE	478361-003	5612393	1183854
016	SAMPLE	478361-006	5837165	1219664
017	SAMPLE	478362-001	7757031	1637654
018	SAMPLE	478362-003	6115081	1286109
019	SAMPLE	478362-005	7481625	1594004
020	SAMPLE	478362-007	6407982	1355215
021	SAMPLE	478362-009	7194743	1529756
022	IDOCBLK	QC1042586	6524363	1452181
027	IDOC	QC1042592	6935694	1599374
028	IDOC	QC1042593	6422086	1433563
029	IDOC	QC1042594	5829022	1368142
030	IDOC	QC1042595	6567732	1460760

Enthalpy Internal Standard Summary for Sequence 453048221

Date:	02/02/23	Reference:	gc06_020223004
Sequence:	SVOA-GC06 gc06_020223	Analyzed:	02/02/23 12:18

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.50	4.26
		LOWER LIMIT	4.30	4.06
		UPPER LIMIT	4.70	4.46
011	BLANK	QC1042117	4.50	4.27
012	BS	QC1042118	4.50	4.26
013	BSD	QC1042119	4.50	4.26
014	SAMPLE	478361-001	4.50	4.26
015	SAMPLE	478361-003	4.50	4.26
016	SAMPLE	478361-006	4.50	4.26
017	SAMPLE	478362-001	4.50	4.26
018	SAMPLE	478362-003	4.50	4.26
019	SAMPLE	478362-005	4.50	4.26
020	SAMPLE	478362-007	4.50	4.26
021	SAMPLE	478362-009	4.50	4.26
022	IDOCBLK	QC1042586	4.50	4.26
027	IDOC	QC1042592	4.50	4.26
028	IDOC	QC1042593	4.50	4.26
029	IDOC	QC1042594	4.50	4.26
030	IDOC	QC1042595	4.50	4.26

Enthalpy Sequence Summary for Sequence 453006691

Instrument: SVOA-GC06 Begun: 01/04/23 11:51
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_010423002	PEM				01/04/23 11:51	1.0	1
003	gc06_010423003	ICAL				01/04/23 12:09	1.0	2
004	gc06_010423004	ICAL				01/04/23 12:27	1.0	3
005	gc06_010423005	ICAL				01/04/23 12:46	1.0	4
006	gc06_010423006	ICAL				01/04/23 13:04	1.0	5
007	gc06_010423007	ICAL				01/04/23 13:22	1.0	6
008	gc06_010423008	ICAL				01/04/23 13:41	1.0	7
009	gc06_010423009	ICAL				01/04/23 13:59	1.0	8
010	gc06_010423010	ICAL				01/04/23 14:17	1.0	9
012	gc06_010423012	ICV				01/04/23 14:54	1.0	10
014	gc06_010423014	ICAL				01/04/23 15:31	1.0	11
015	gc06_010423015	ICAL				01/04/23 15:49	1.0	12
016	gc06_010423016	ICAL				01/04/23 16:07	1.0	13
017	gc06_010423017	ICAL				01/04/23 16:26	1.0	14
018	gc06_010423018	ICAL				01/04/23 16:44	1.0	15
019	gc06_010423019	ICAL				01/04/23 17:02	1.0	16
020	gc06_010423020	ICAL				01/04/23 17:21	1.0	17
021	gc06_010423021	ICAL				01/04/23 17:39	1.0	18
022	gc06_010423022	ICAL				01/04/23 17:57	1.0	19
023	gc06_010423023	ICAL				01/04/23 18:16	1.0	20
025	gc06_010423025	ICV				01/04/23 18:53	1.0	21

TRN 01/05/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 25.

Standards Used:
1=S17384 2=S17585 3=S17586 4=S17587 5=S17588 6=S17589 7=S17590 8=S17591 9=S17592 10=S17715 11=S17807 12=S17797 13=S17798 14=S17799 15=S17800 16=S17801 17=S17802 18=S17803 19=S17804 20=S17805 21=S17806

Enthalpy Sequence Summary for Sequence 453048221

Instrument: SVOA-GC06 Begun: 02/02/23 11:41
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_020223002	PEM				02/02/23 11:41	1.0	1	
003	gc06_020223003	CCV				02/02/23 11:59	1.0	2	ac
004	gc06_020223004	CCV				02/02/23 12:18	1.0	3	
011	gc06_020223011	BLANK	QC1042117	Wipe	306460	02/02/23 16:15	1.0	4	
012	gc06_020223012	BS	QC1042118	Wipe	306460	02/02/23 16:34	1.0	4	
013	gc06_020223013	BSD	QC1042119	Wipe	306460	02/02/23 16:52	1.0	4	
014	gc06_020223014	SAMPLE	478361-001	Wipe	306460	02/02/23 17:10	1.0	4	
015	gc06_020223015	SAMPLE	478361-003	Wipe	306460	02/02/23 17:29	1.0	4	
016	gc06_020223016	SAMPLE	478361-006	Wipe	306460	02/02/23 17:47	1.0	4	
017	gc06_020223017	SAMPLE	478362-001	Wipe	306460	02/02/23 18:06	1.0	4	
018	gc06_020223018	SAMPLE	478362-003	Wipe	306460	02/02/23 18:24	1.0	4	
019	gc06_020223019	SAMPLE	478362-005	Wipe	306460	02/02/23 18:42	1.0	4	
020	gc06_020223020	SAMPLE	478362-007	Wipe	306460	02/02/23 19:01	1.0	4	
021	gc06_020223021	SAMPLE	478362-009	Wipe	306460	02/02/23 19:19	1.0	4	
022	gc06_020223022	IDOCBLK	QC1042586	Soil	306619	02/02/23 19:38	1.0	4	
027	gc06_020223027	IDOC	QC1042592	Soil	306619	02/02/23 21:10	1.0	4	
028	gc06_020223028	IDOC	QC1042593	Soil	306619	02/02/23 21:28	1.0	4	
029	gc06_020223029	IDOC	QC1042594	Soil	306619	02/02/23 21:46	1.0	4	
030	gc06_020223030	IDOC	QC1042595	Soil	306619	02/02/23 22:05	1.0	4	

TRN 02/03/23 : 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=S17384 2=S17693 3=S17896 4=S17544

SAMPLE PREPARATION SUMMARY

Batch # : 306460
Started By : EPL
Method : 3546
Spike #1 ID : S17924
Prep Date : 01-FEB-2023 08:04
Spike #2 ID : S17772
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
478361-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478361-003		Wipe	1.12835	10	1	8.862		.5				PCB-MICROWAVE	
478361-006		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478362-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478362-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478362-005		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478362-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478362-009		Wipe	1.0929	10	1	9.15		.5				PCB-MICROWAVE	
QC1042117	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1042118	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1042119	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 02/03/23 : BS/D verify the batch

Analyst: TRN Date: 02/03/23 Reviewer: LW Date: 02/06/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: WIPE Date/Time: ~~1/31/23~~ 2/1/23 8:04 Initials: EPL

Hotblock ID: N/A Therm Loc: _____ Therm ID/CF: _____/_____ 608.3 QC Batch#: _____

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

Balance ID: N/A Microdipenser ID: SYRINGE 8082 QC Batch #: 306460

Extraction Start Time*: 8:09 Extraction end time*: 8:54

* For hot block, microwave, shaker table

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1dm²	N/A	M1CD-9	TV09	10.0		
LCS		↓	↓	-10	↓	↓		
LCSD		↓	↓	-11	↓	↓		
478361-001	A	↓	↓	-13	↓	↓		
-003	A	1.12835	↓	-14	↓	↓		
-006	A	1dm²	↓	-16	↓	↓		
478362-001	A	↓	↓	-17	TV08	↓		
-003	A	↓	↓	-19	↓	↓		
-005	A	↓	↓	-20	↓	↓		
-007	A	↓	↓	-22	↓	↓		
-009	A	1.0929	↓	-23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 224644

Acetone-Hexane Mix ID: _____

Sodium Sulfate Lot: 213749

Baked Sand Lot: N/A

Surrogate ID: 177942 Volume: 500 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: 177712 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 478361 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
478361-001	Aroclor-1016	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1221	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1232	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1242	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1248	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1254	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1260	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1262	SVOA-GC06	B	02/02/23 17:10
478361-001	Aroclor-1268	SVOA-GC06	B	02/02/23 17:10
478361-001	TCMX (PCB)	SVOA-GC06	B	02/02/23 17:10
478361-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/02/23 17:10
478361-003	Aroclor-1016	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1221	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1232	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1242	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1248	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1254	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1260	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1262	SVOA-GC06	B	02/02/23 17:29
478361-003	Aroclor-1268	SVOA-GC06	B	02/02/23 17:29
478361-003	TCMX (PCB)	SVOA-GC06	B	02/02/23 17:29
478361-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/02/23 17:29
478361-006	Aroclor-1016	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1221	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1232	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1242	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1248	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1254	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1260	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1262	SVOA-GC06	B	02/02/23 17:47
478361-006	Aroclor-1268	SVOA-GC06	B	02/02/23 17:47
478361-006	TCMX (PCB)	SVOA-GC06	B	02/02/23 17:47
478361-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/02/23 17:47
QC1042117	Aroclor-1016	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1221	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1232	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1242	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1248	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1254	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1260	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1262	SVOA-GC06	B	02/02/23 16:15
QC1042117	Aroclor-1268	SVOA-GC06	B	02/02/23 16:15
QC1042117	TCMX (PCB)	SVOA-GC06	B	02/02/23 16:15
QC1042117	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/02/23 16:15
QC1042118	Aroclor-1016	SVOA-GC06	B	02/02/23 16:34
QC1042118	Aroclor-1260	SVOA-GC06	B	02/02/23 16:34
QC1042118	TCMX (PCB)	SVOA-GC06	B	02/02/23 16:34
QC1042118	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/02/23 16:34
QC1042119	Aroclor-1016	SVOA-GC06	B	02/02/23 16:52

REPORTING SUMMARY FOR 478361 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1042119	Aroclor-1260	SVOA-GC06	B	02/02/23 16:52
QC1042119	TCMX (PCB)	SVOA-GC06	B	02/02/23 16:52
QC1042119	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/02/23 16:52

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478361-001	Client ID:	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P-LA
Seqnum:	453048221014	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020223014	Batch:	306460	Time:	02-FEB-2023 17:10
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	58.17	~~0.58~~ FP	2.3	119%	0.50		x u
Aroclor-1016 Peak # 1	B	96.47	0.96	0.37	90%			
Aroclor-1016 Peak # 2	B	20.15	0.20	ND	216%			
Aroclor-1016 Peak # 3	B	170.3	1.70	9.38	139%			
Aroclor-1016 Peak # 4	B	0.3375	0.00	0.73	198%			
Aroclor-1016 Peak # 5	B	3.594	0.04	1.01	186%			
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	17.10	ND	0.30	56%	0.50		u
Aroclor-1260 Peak # 1	B	44.95	0.45	0.25	57%			
Aroclor-1260 Peak # 2	B	0.7061	0.01	0.09	170%			
Aroclor-1260 Peak # 3	B	13.69	0.14	0.00	191%			
Aroclor-1260 Peak # 4	B	19.31	0.19	0.59	101%			
Aroclor-1260 Peak # 5	B	6.839	0.07	0.60	159%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.97	0.5000	0.4297	86	19-121	u
Decachlorobiphenyl (PCB)	B	44.19	0.5000	0.4419	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+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_020223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8893310	5916560	-33.47
1-bromo-2-nitrobenzene (PCB)	A	1973814	1256575	-36.34

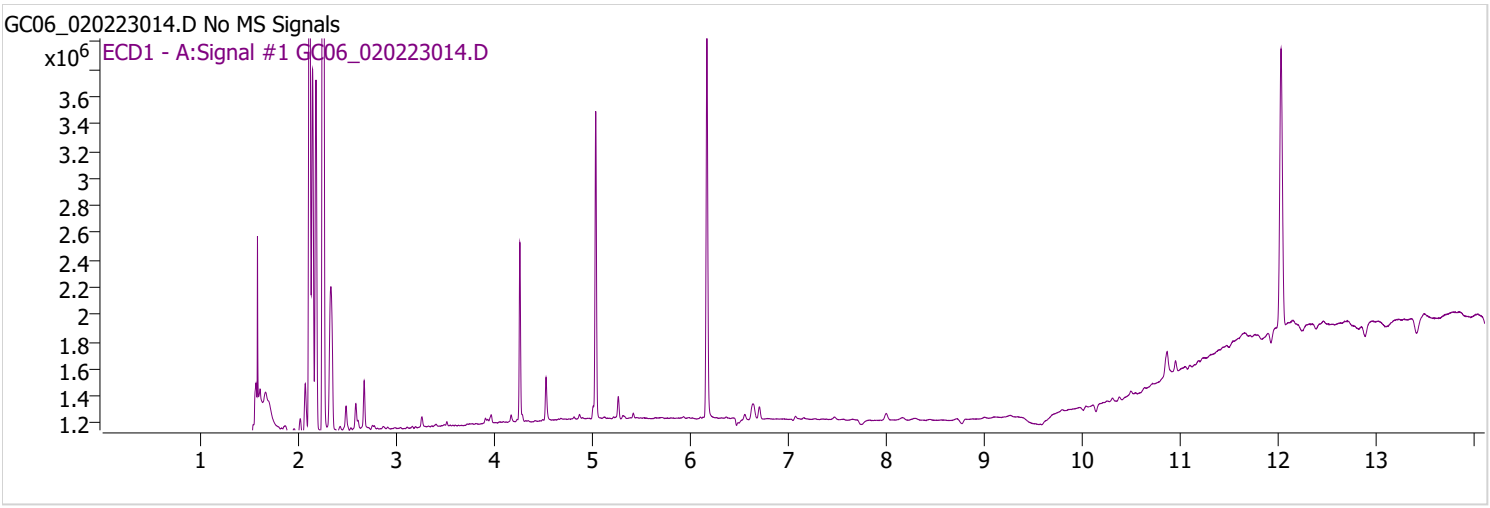
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

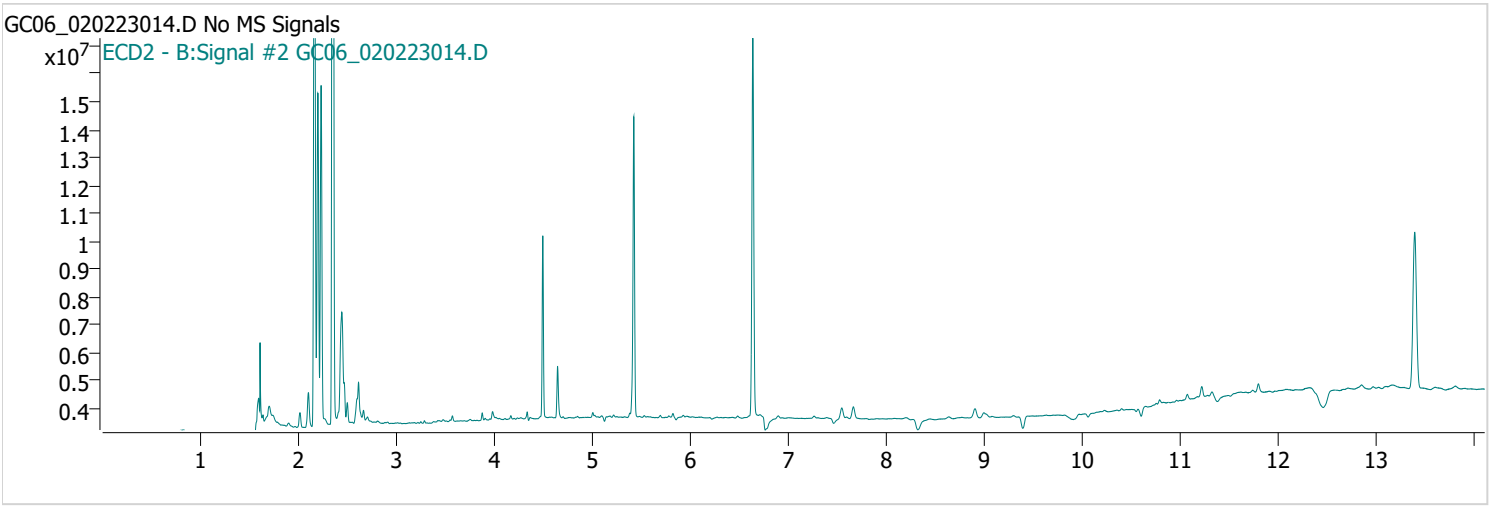
ISTD (CCV gc06_020223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.50	4.50	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.26	4.26	0.00

Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020223014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 5:10:55 PM
Sample Name	478361-001, 306460, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



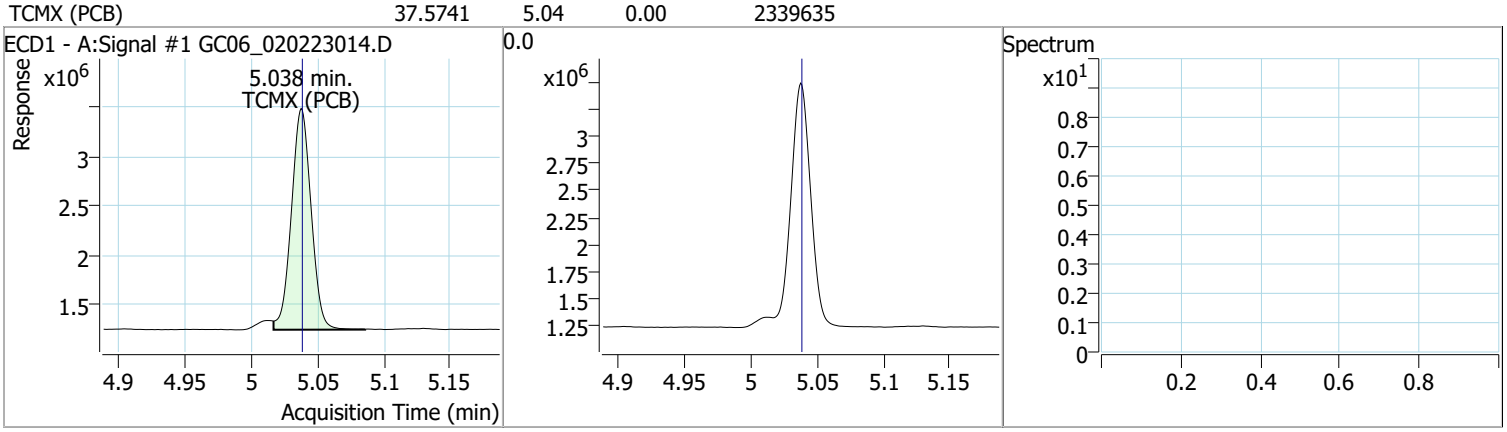


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.263	0.0	1256574.675	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.497	0.0	5916560.468	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.038	0.0	2339635.357	37.5741	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.87%		*	
S TCMX (PCB) #2	5.427	0.0	12294792.564	42.9704	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.85%		*	
S Decachlorobiphenyl (PCB)	12.038	0.0	4169342.928	47.6169	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.08%		*	
S Decachlorobiphenyl (PCB) #2	13.403	0.0	14194236.665	44.1949	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.97%		*	
Target Compounds							QValue

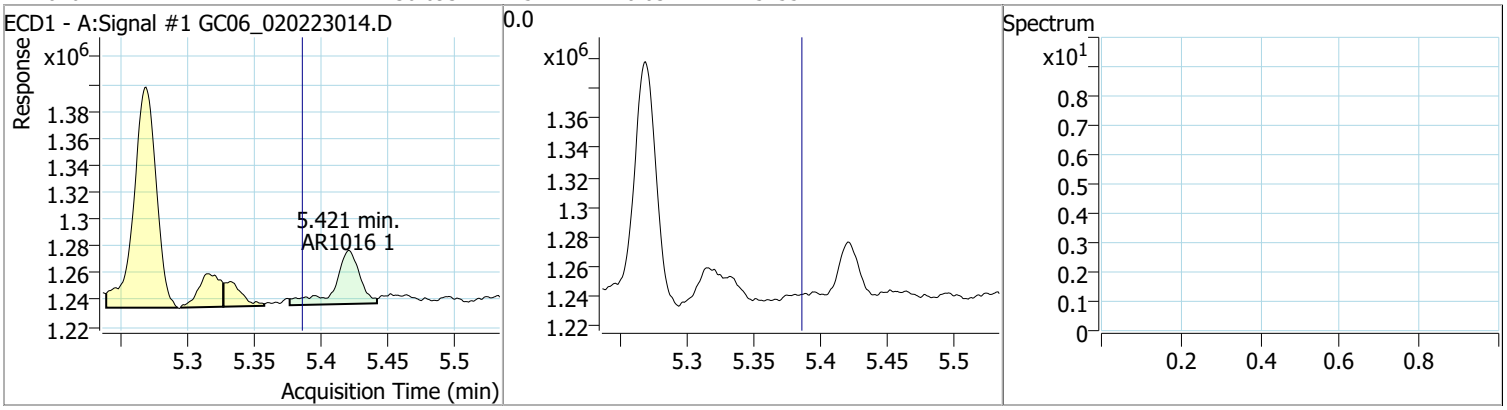
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.421	0.0	52551.314	36.6932	ng/ml	100
T AR1016 2	5.712	0.0	26391.257	0.0000	ng/ml	100
T AR1016 1 #2	5.933	0.0	630489.703	96.4704	ng/ml	100
T AR1016 3	6.173	0.0	3362302.831	937.6376	ng/ml	100
T AR1016 4	6.372	0.0	167899.821	73.4049	ng/ml	100
T AR1016 2 #2	6.318	0.0	189875.495	20.1465	ng/ml	100
T AR1016 5	6.560	0.0	151325.529	100.7643	ng/ml	100
T AR1016 3 #2	6.903	0.0	2826273.510	170.3277	ng/ml	100
T AR1016 4 #2	7.093	0.0	4086.825	0.3375	ng/ml	100
T AR1016 5 #2	7.799	0.0	34881.793	3.5940	ng/ml	100
T AR1260 1	8.727	0.0	116741.620	25.0961	ng/ml	100
T AR1260 2	9.270	0.0	54965.504	8.6547	ng/ml	100
T AR1260 3	9.580	0.0	2192.344	0.3032	ng/ml	100
T AR1260 1 #2	10.034	0.0	829628.373	44.9538	ng/ml	100
T AR1260 4	10.117	0.0	222770.795	58.5214	ng/ml	100
T AR1260 2 #2	10.233	0.0	291246.761	0.6994	ng/ml	100
T AR1260 3 #2	10.576	0.0	368736.676	13.6921	ng/ml	100
T AR1260 5	10.874	0.0	492109.325	59.6553	ng/ml	100
T AR1260 4 #2	11.081	0.0	285828.321	19.3066	ng/ml	100
T AR1260 5 #2	11.748	0.0	166808.170	6.8395	ng/ml	100

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

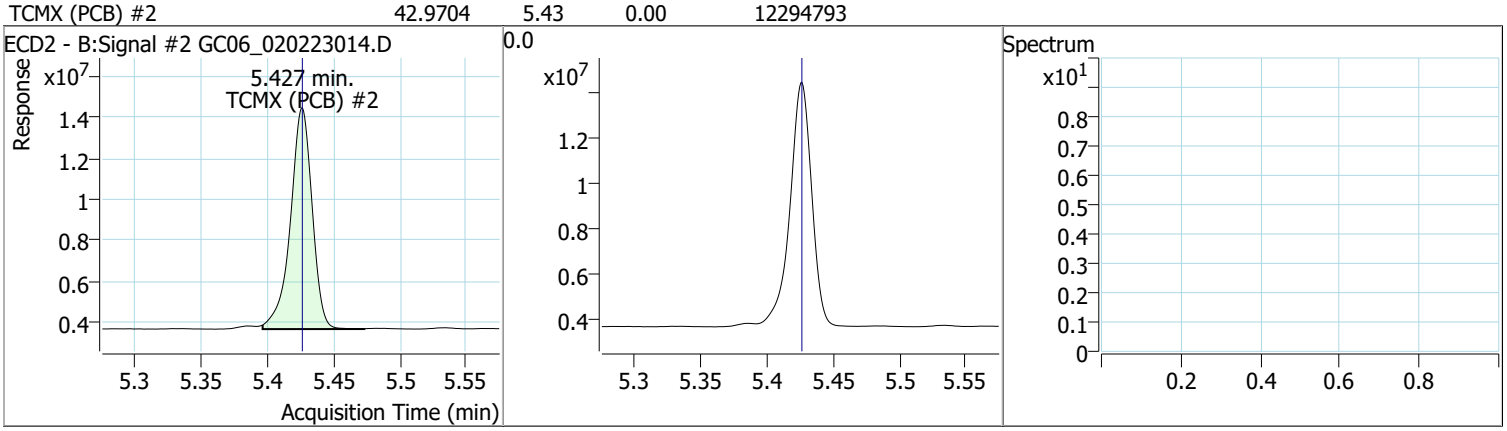
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.5741	5.04	0.00	2339635				



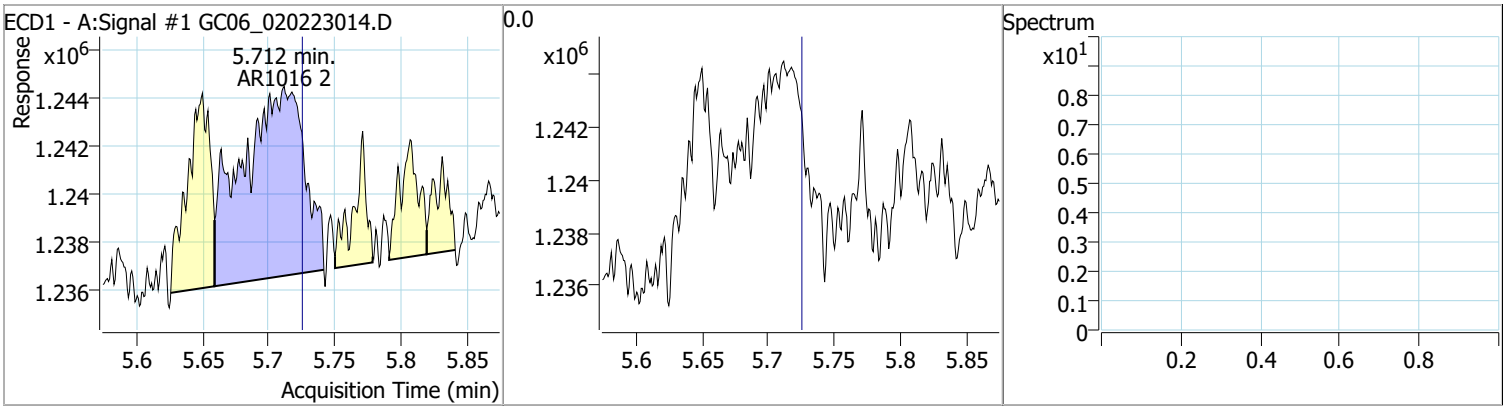
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	36.6932	5.42	0.03	52551				



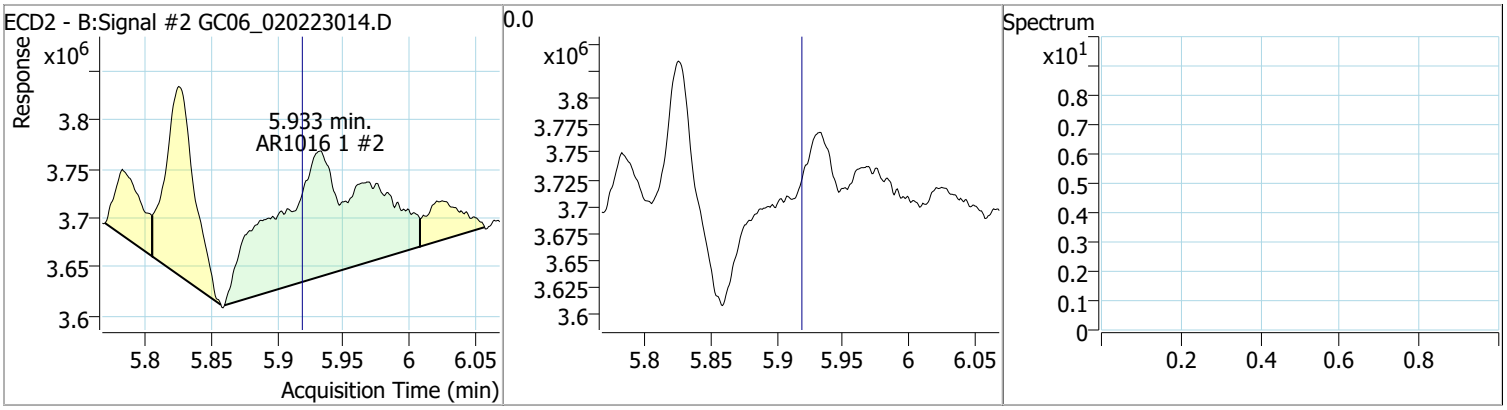
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.9704	5.43	0.00	12294793				



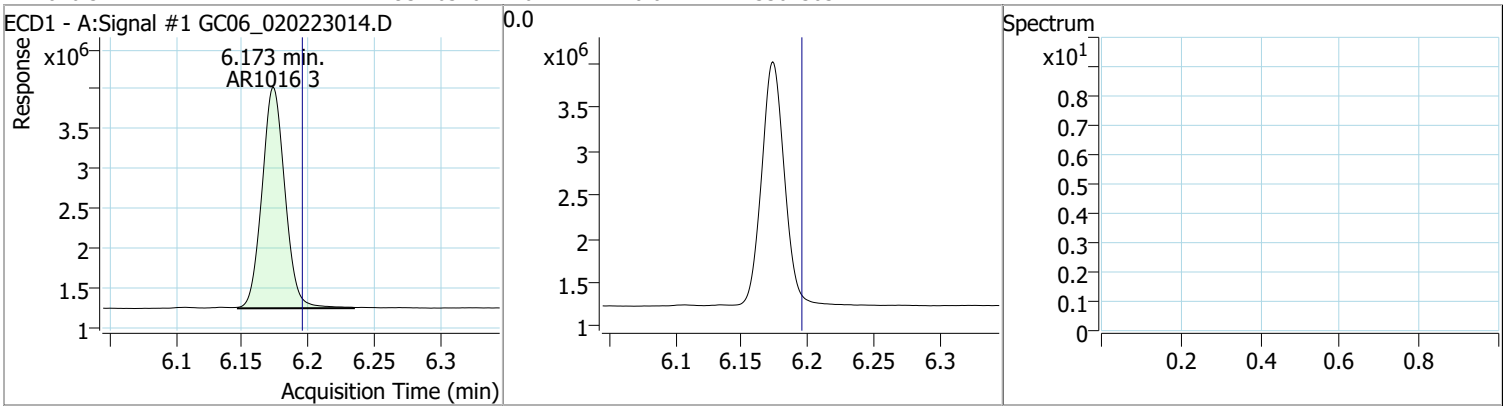
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.71	-0.01	26391				



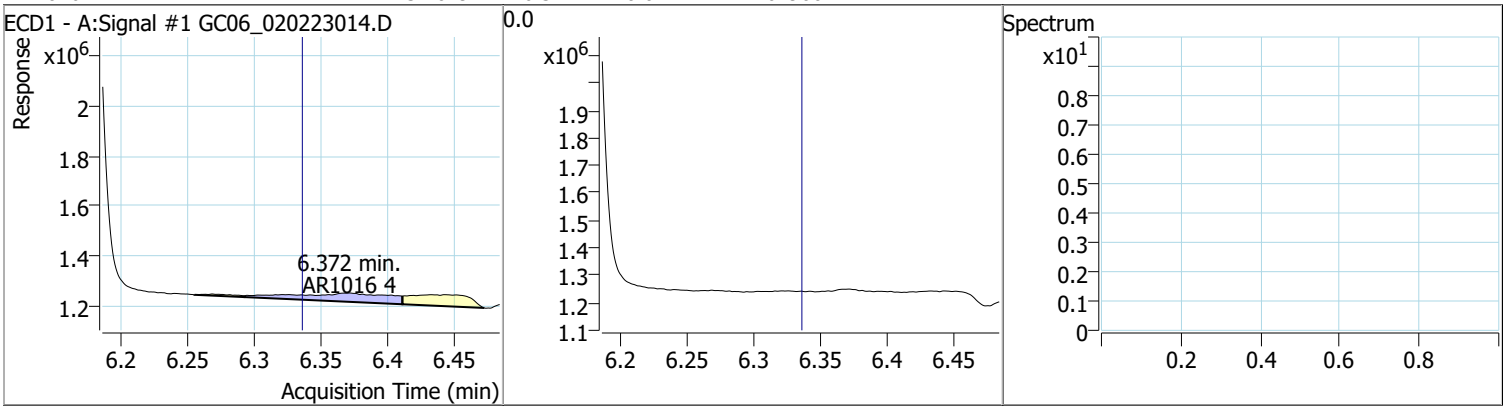
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	96.4704	5.93	0.01	630490				



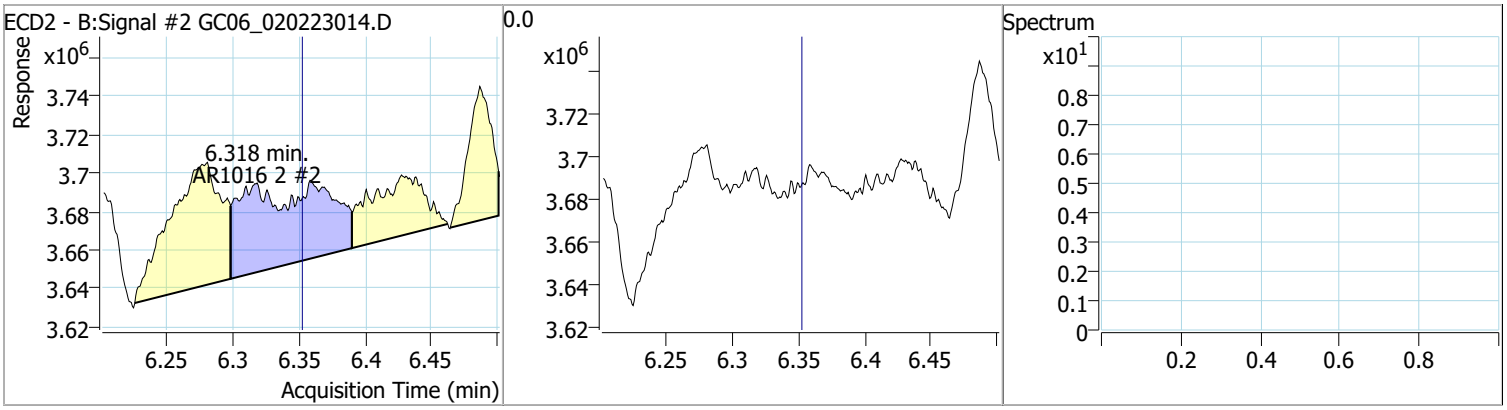
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	937.6376	6.17	-0.02	3362303				



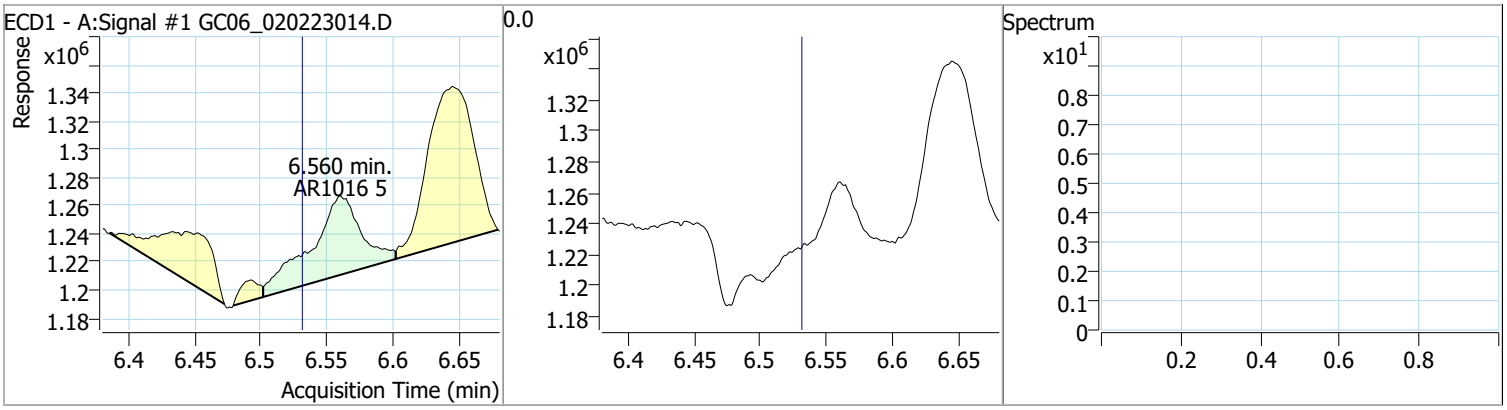
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	73.4049	6.37	0.04	167900				



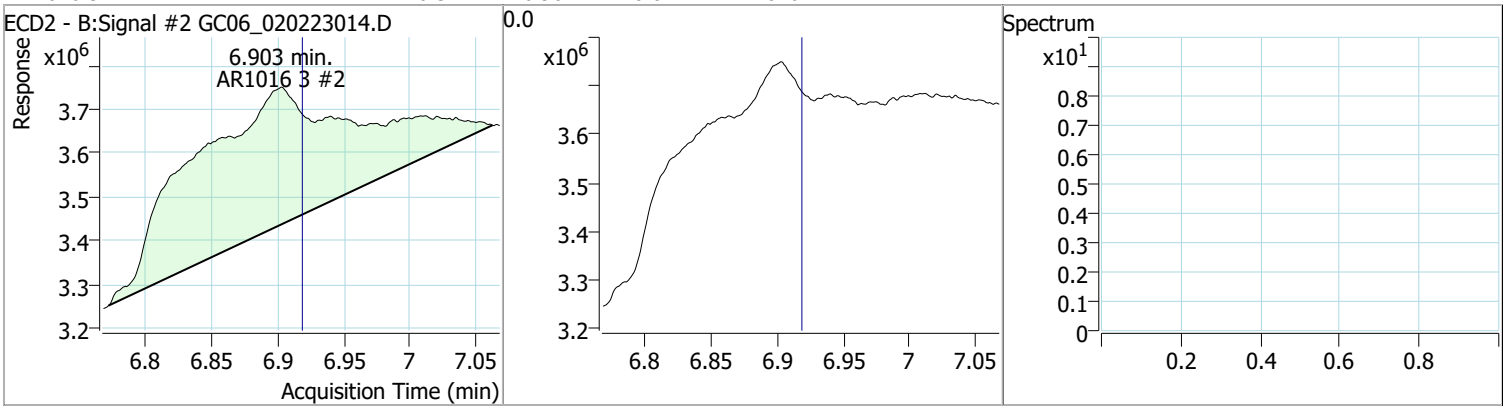
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.1465	6.32	-0.03	189875				



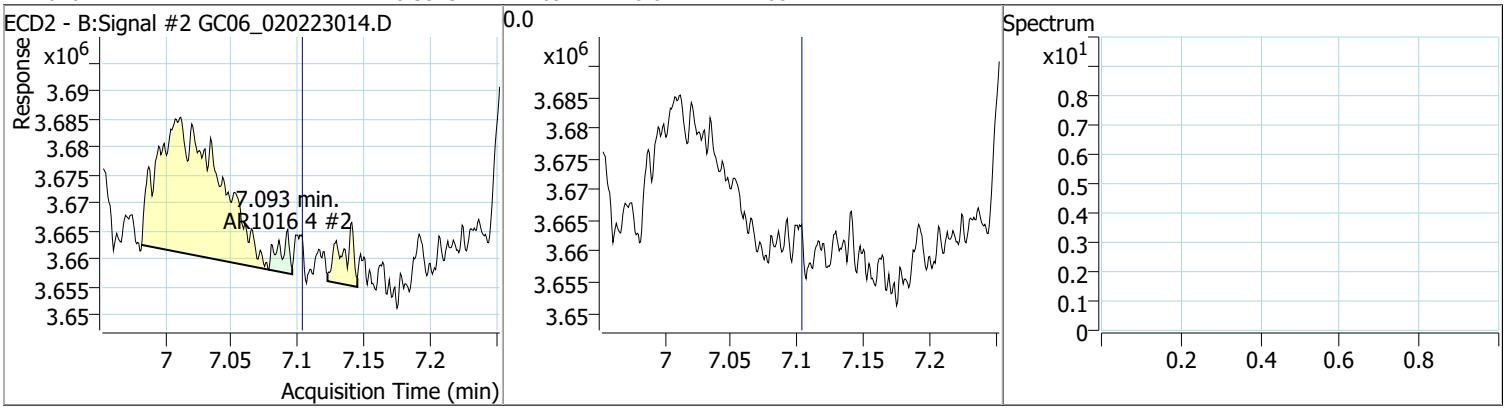
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	100.7643	6.56	0.03	151326				



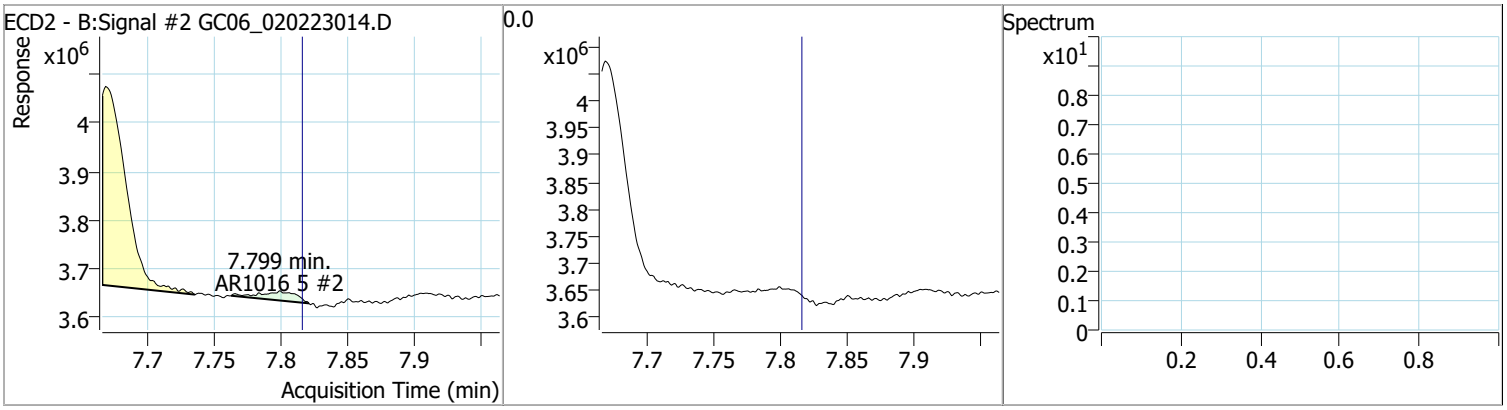
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	170.3277	6.90	-0.02	2826274				



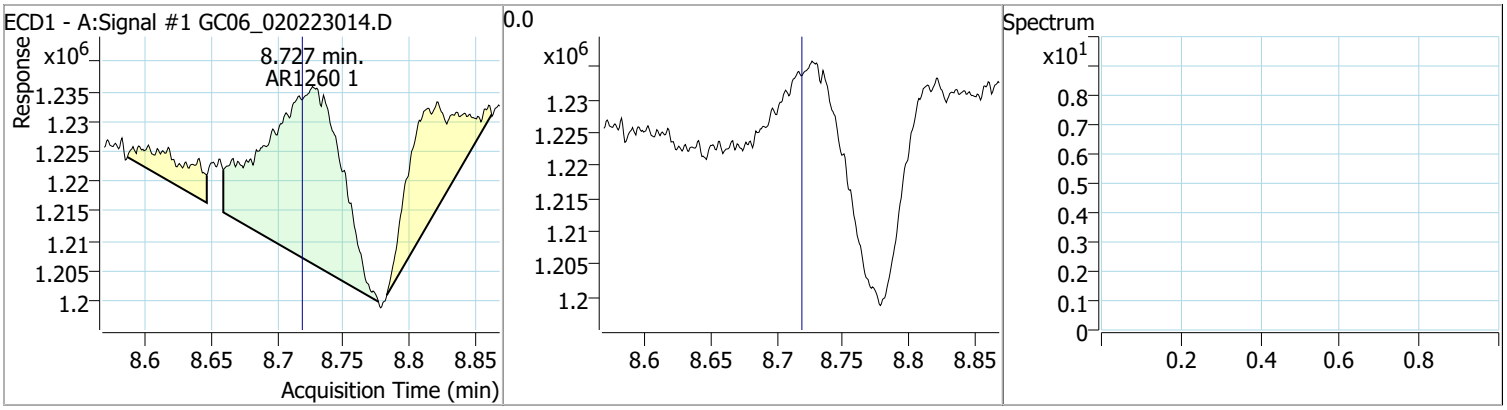
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3375	7.09	-0.01	4087				



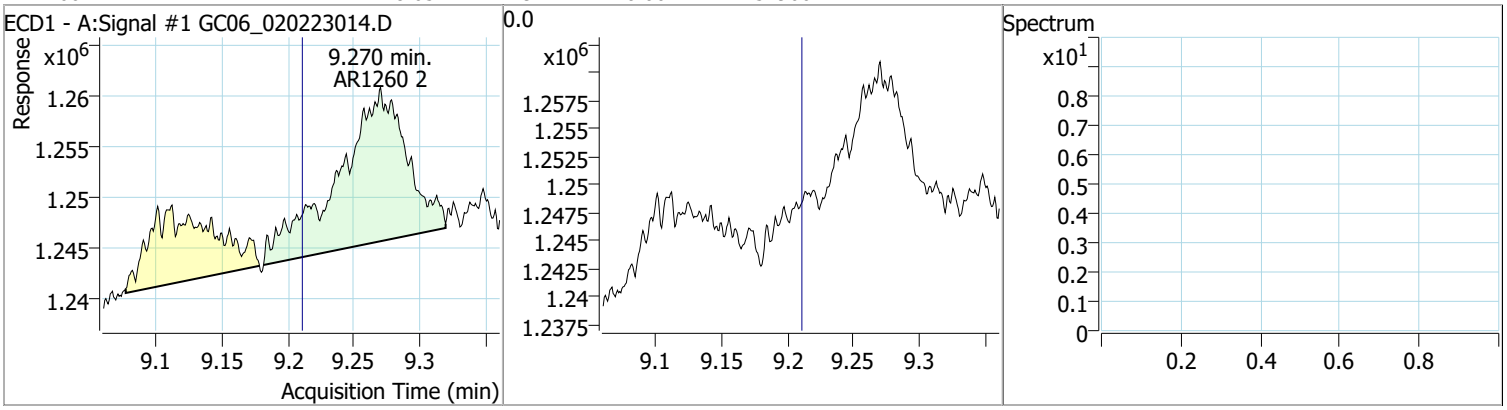
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.5940	7.80	-0.02	34882				



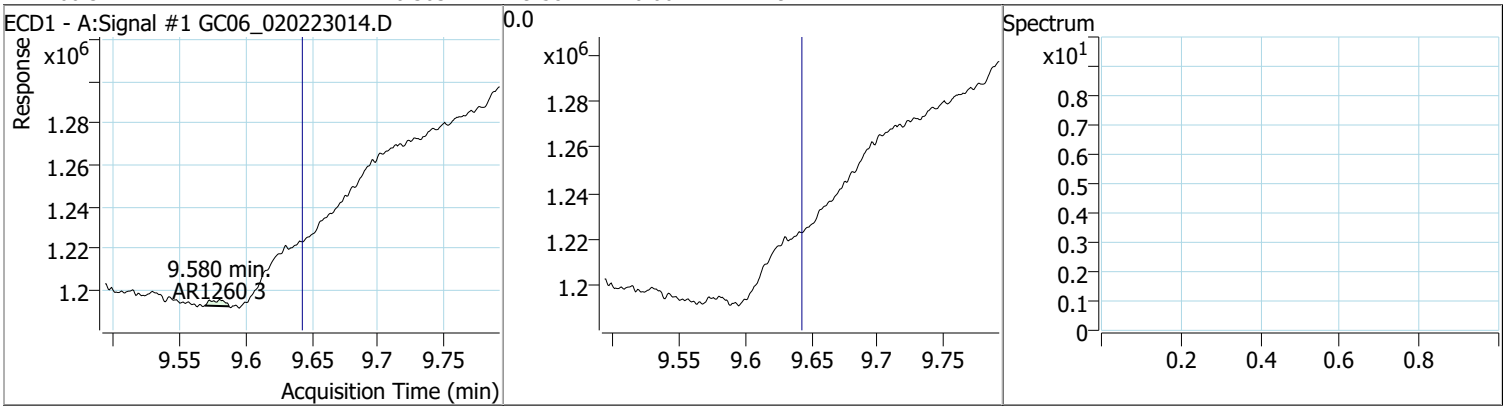
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	25.0961	8.73	0.01	116742				



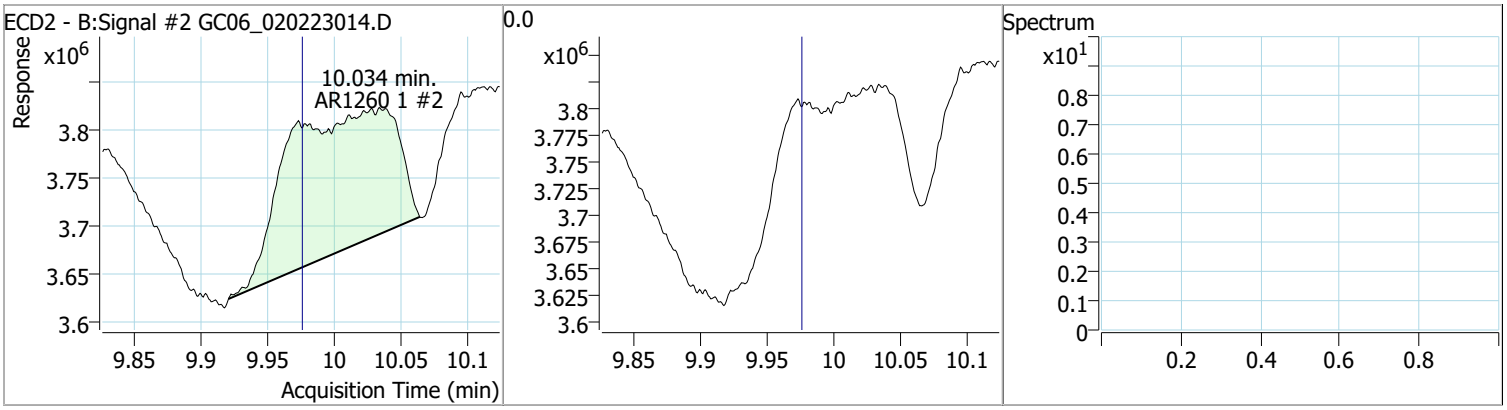
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.6547	9.27	0.06	54966				



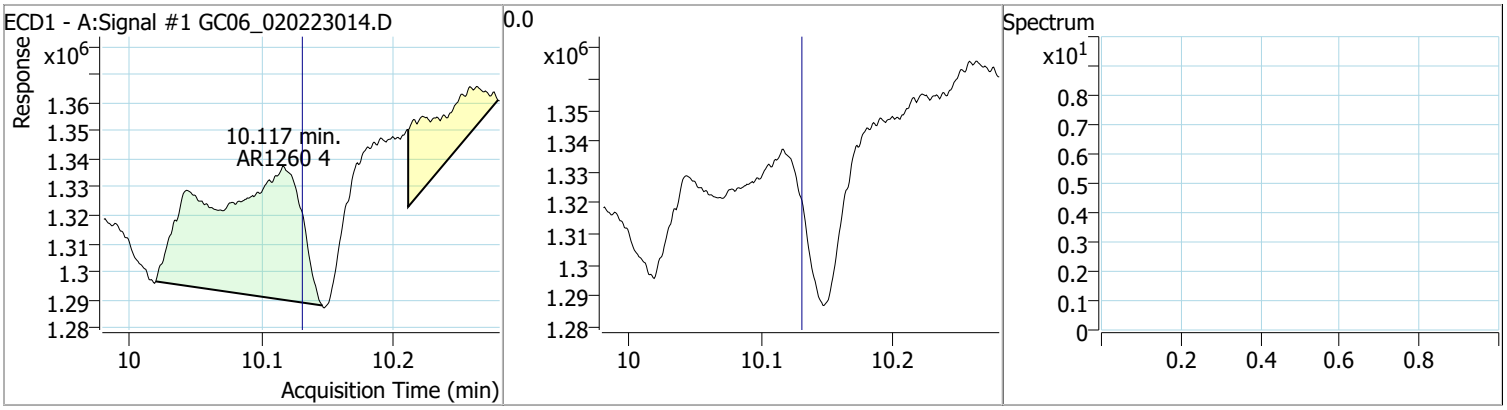
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.3032	9.58	-0.06	2192				



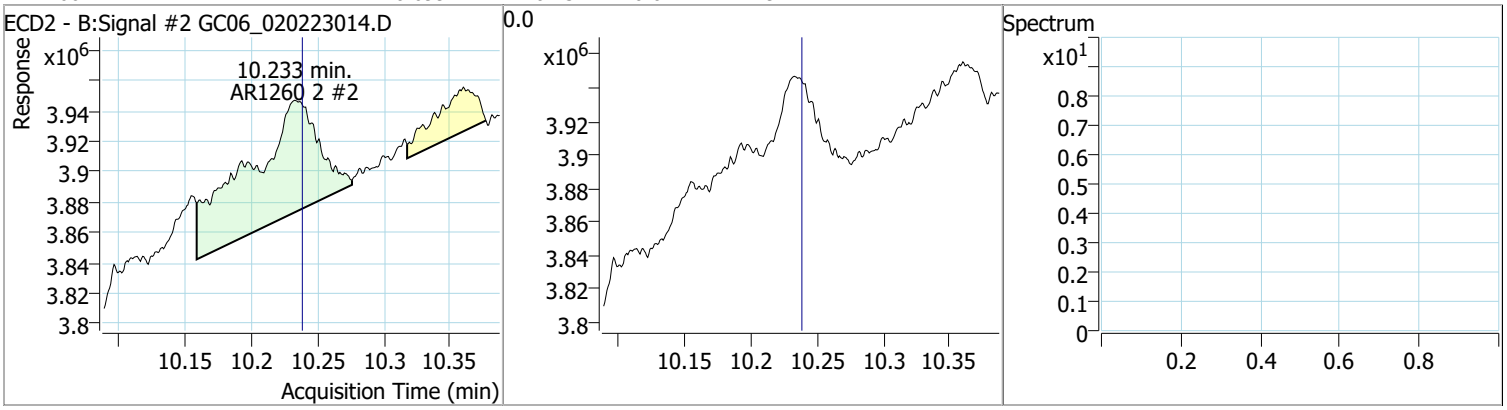
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	44.9538	10.03	0.06	829628				



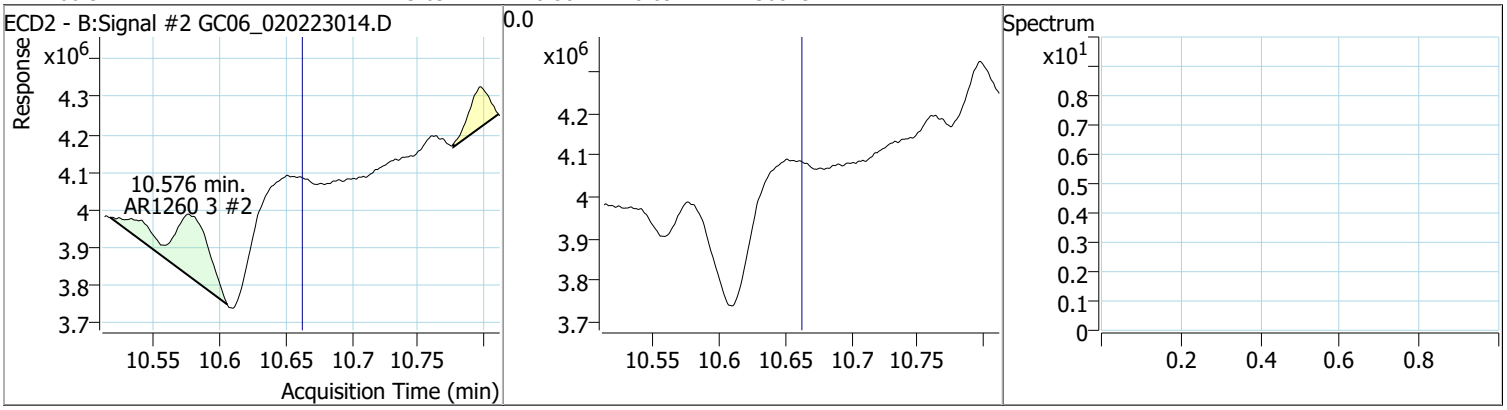
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	58.5214	10.12	-0.01	222771				



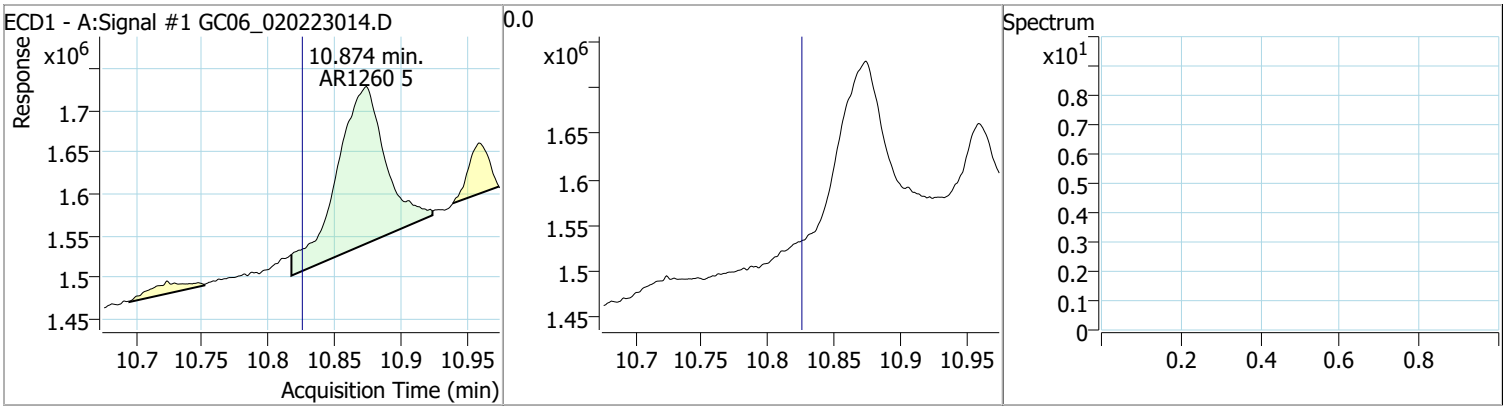
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.6994	10.23	-0.01	291247				



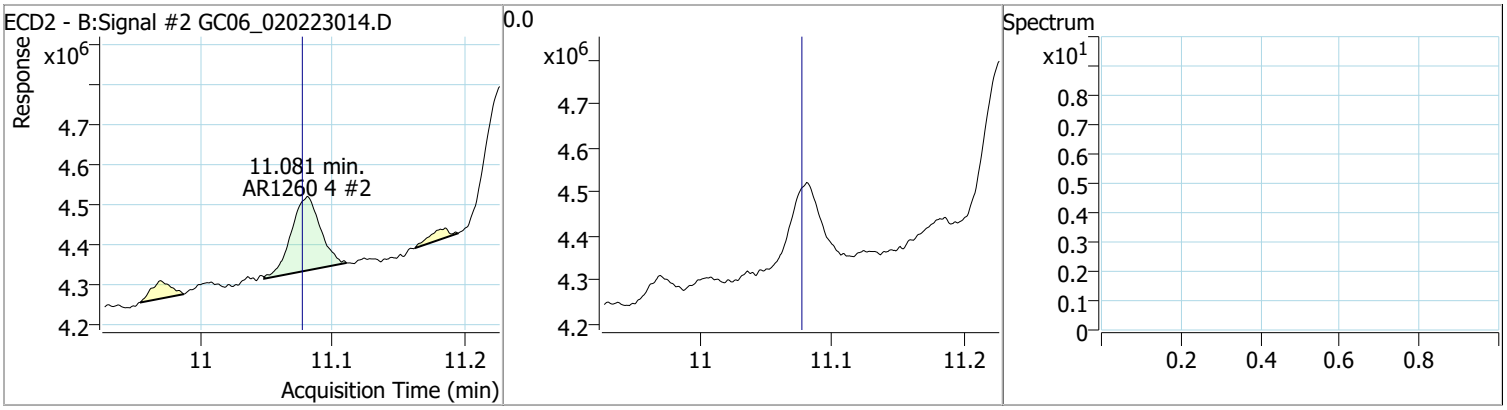
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.6921	10.58	-0.09	368737				



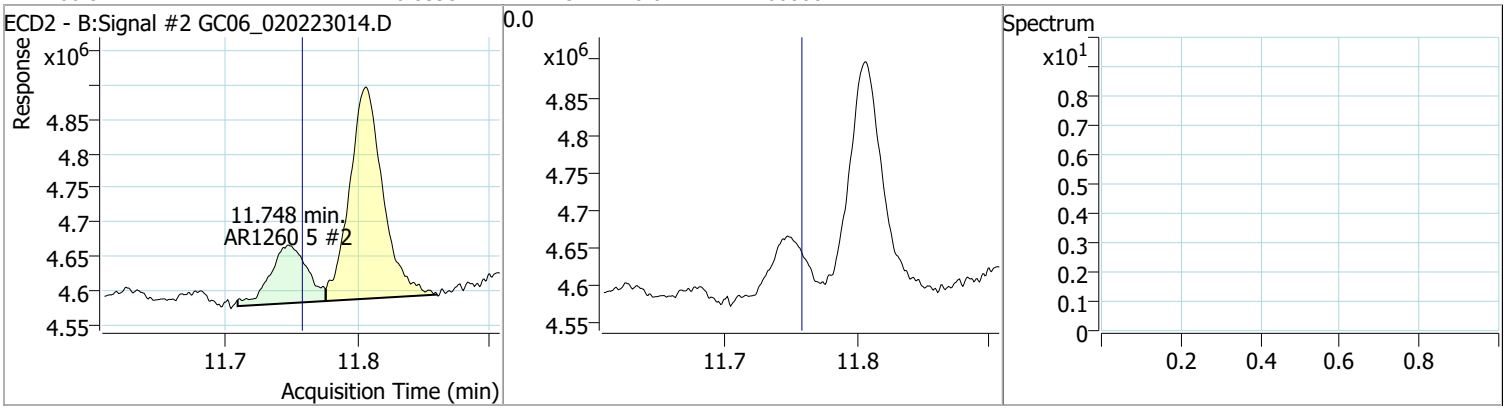
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	59.6553	10.87	0.05	492109				



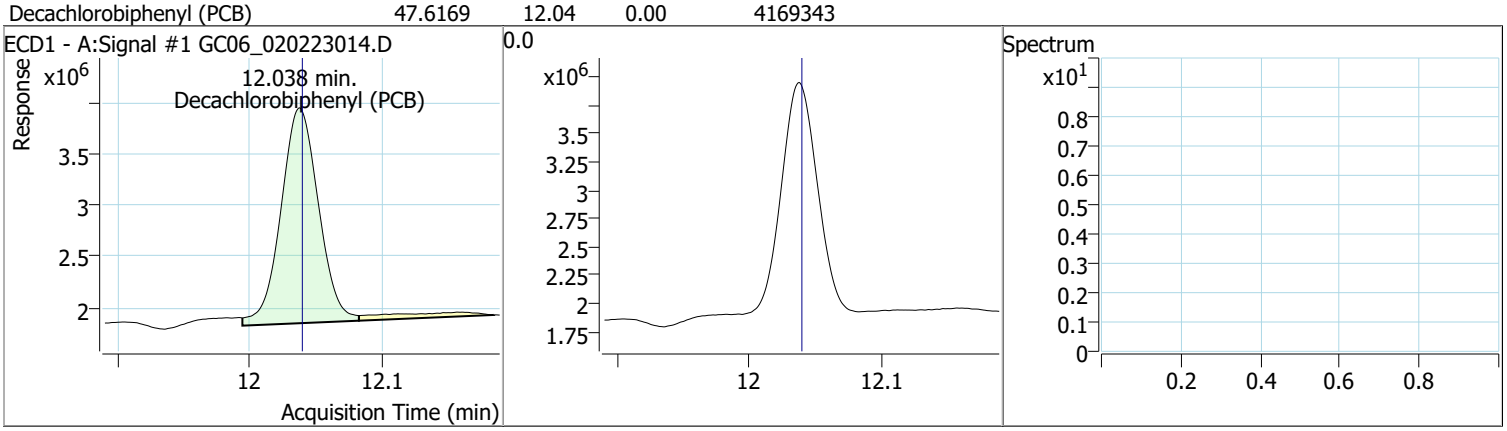
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	19.3066	11.08	0.00	285828				



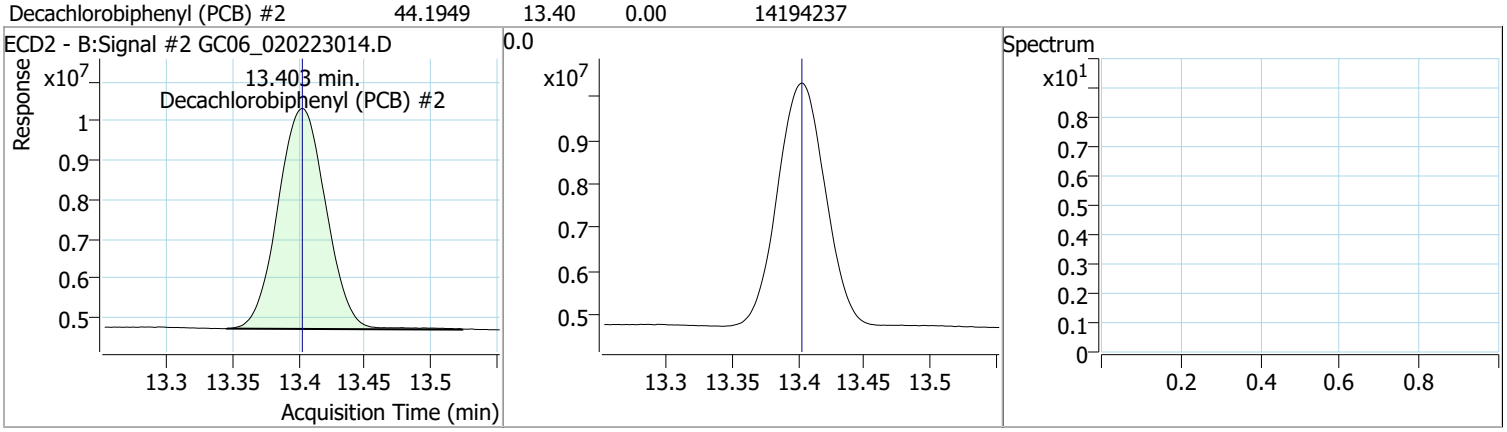
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.8395	11.75	-0.01	166808				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.6169	12.04	0.00	4169343				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.1949	13.40	0.00	14194237				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478361-003	Client ID:	AFRAME-C5W-MED-L2-HS-1-230127-P-G
Seqnum:	453048221015	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020223015	Batch:	306460	Time:	02-FEB-2023 17:29
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.13 dm2 ⇨ 10.0 ml = 8.862 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	55.68	~~0.49~~ ~~FP~~	0.48	3%	0.44		x u
Aroclor-1016 Peak # 1	B	73.93	0.66	0.29	77%			
Aroclor-1016 Peak # 2	B	8.859	0.08	ND	299%			
Aroclor-1016 Peak # 3	B	189.0	1.67	1.12	39%			
Aroclor-1016 Peak # 4	B	3.558	0.03	0.04	12%			
Aroclor-1016 Peak # 5	B	3.097	0.03	0.97	189%			
Aroclor-1221	B		ND			0.44		u
Aroclor-1232	B		ND			0.44		u
Aroclor-1242	B		ND			0.44		u
Aroclor-1248	B		ND			0.44		u
Aroclor-1254	B		ND			0.44		u
Aroclor-1260	B	20.61	ND	0.19	5%	0.44		u
Aroclor-1260 Peak # 1	B	47.97	0.43	0.24	54%			
Aroclor-1260 Peak # 2	B	10.28	0.09	0.09	0%			
Aroclor-1260 Peak # 3	B	13.70	0.12	0.01	175%			
Aroclor-1260 Peak # 4	B	23.86	0.21	0.45	73%			
Aroclor-1260 Peak # 5	B	7.214	0.06	0.17	89%			
Aroclor-1262	B		ND			0.44		u
Aroclor-1268	B		ND			0.44		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.66	0.4431	0.3604	81	19-121	u
Decachlorobiphenyl (PCB)	B	42.13	0.4431	0.3734	84	19-121	c+ u

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

ISTD (CCV gc06_020223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8893310	5612393	-36.89
1-bromo-2-nitrobenzene (PCB)	A	1973814	1183854	-40.02

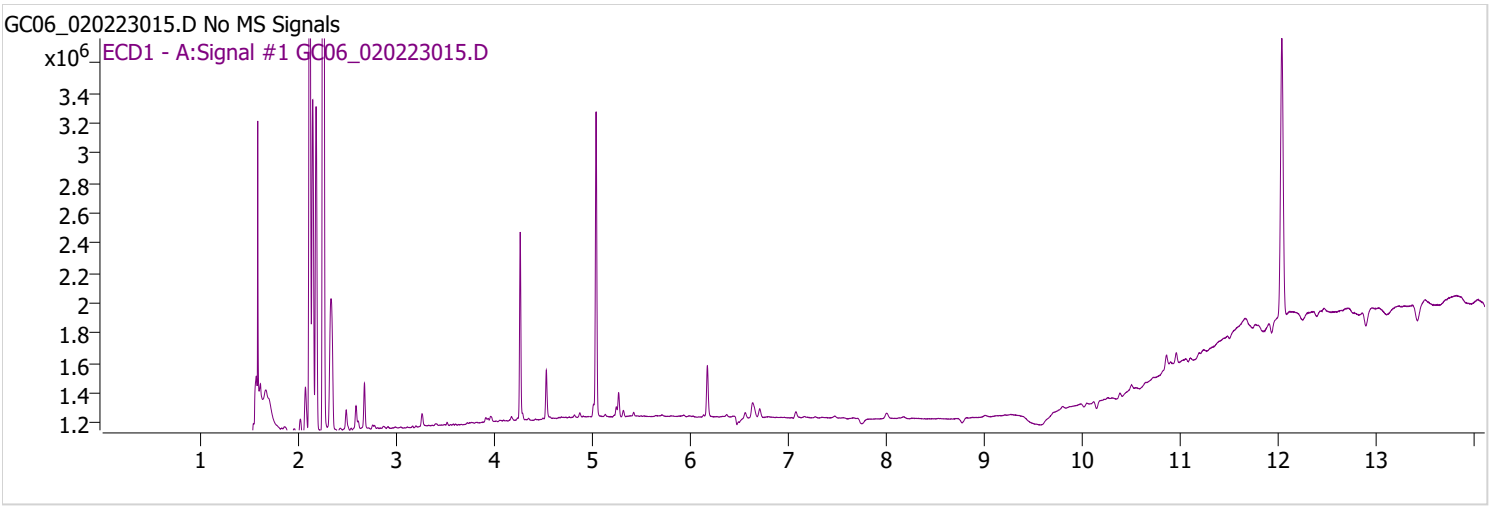
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

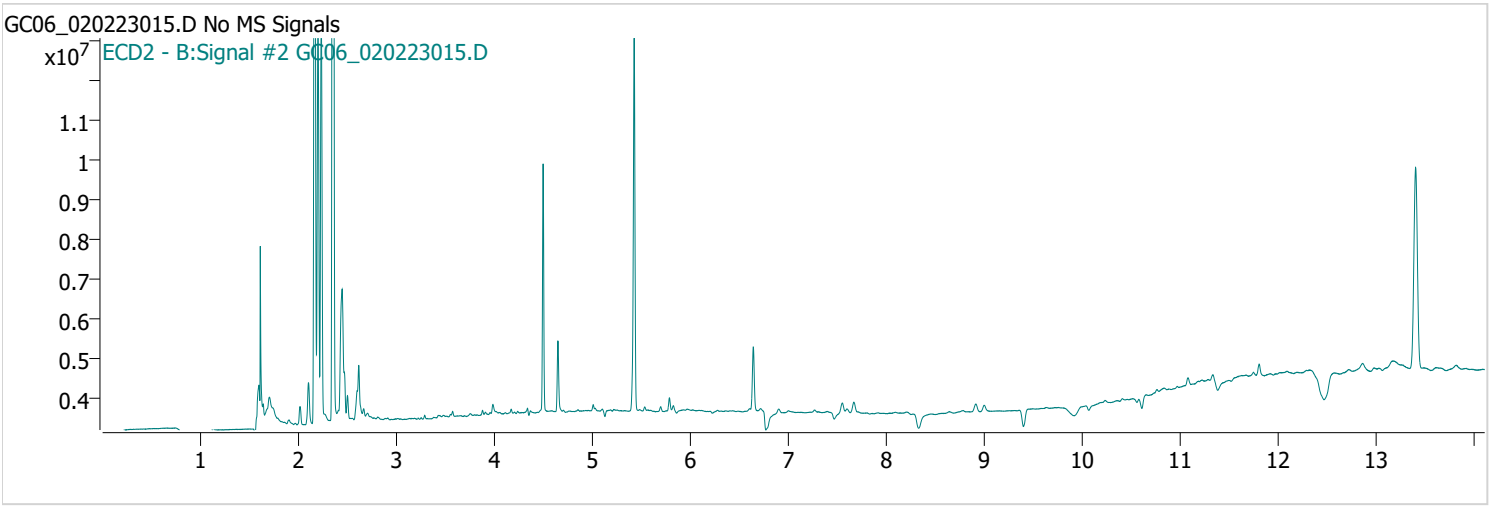
ISTD (CCV gc06_020223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.50	4.50	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.26	4.26	0.00

Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020223015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 5:29:22 PM
Sample Name	478361-003, 306460, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



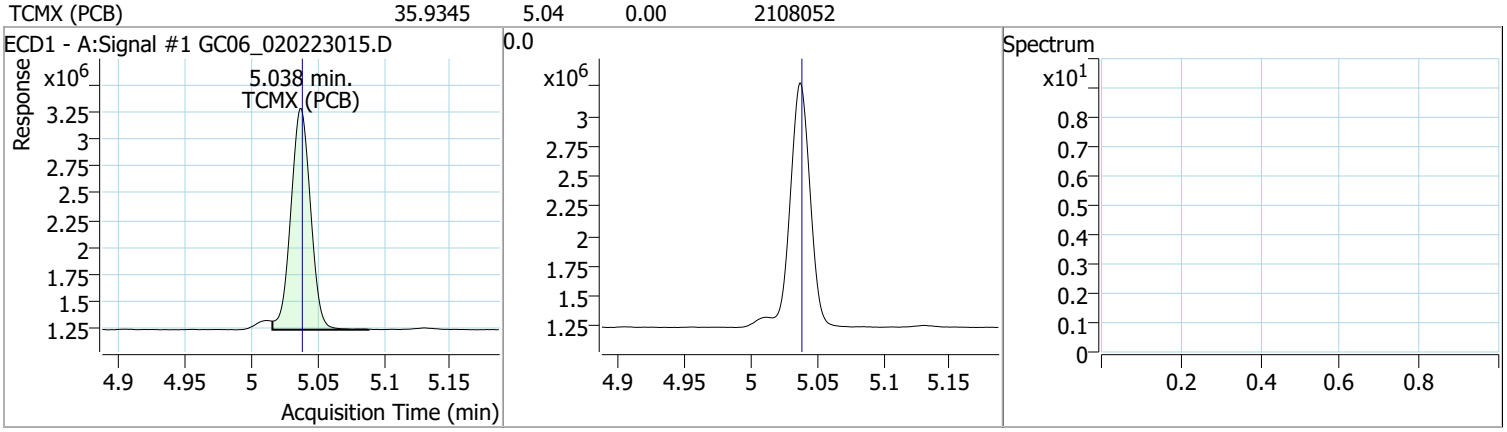


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.263	0.0	1183854.022	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.497	0.0	5612392.527	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.038	0.0	2108051.784	35.9345	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.67%		*	
S TCMX (PCB) #2	5.426	0.0	11036222.534	40.6621	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.31%		*	
S Decachlorobiphenyl (PCB)	12.037	0.0	3780182.127	45.8244	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.12%		*	
S Decachlorobiphenyl (PCB) #2	13.403	0.0	12835457.882	42.1301	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.65%		*	
Target Compounds							QValue

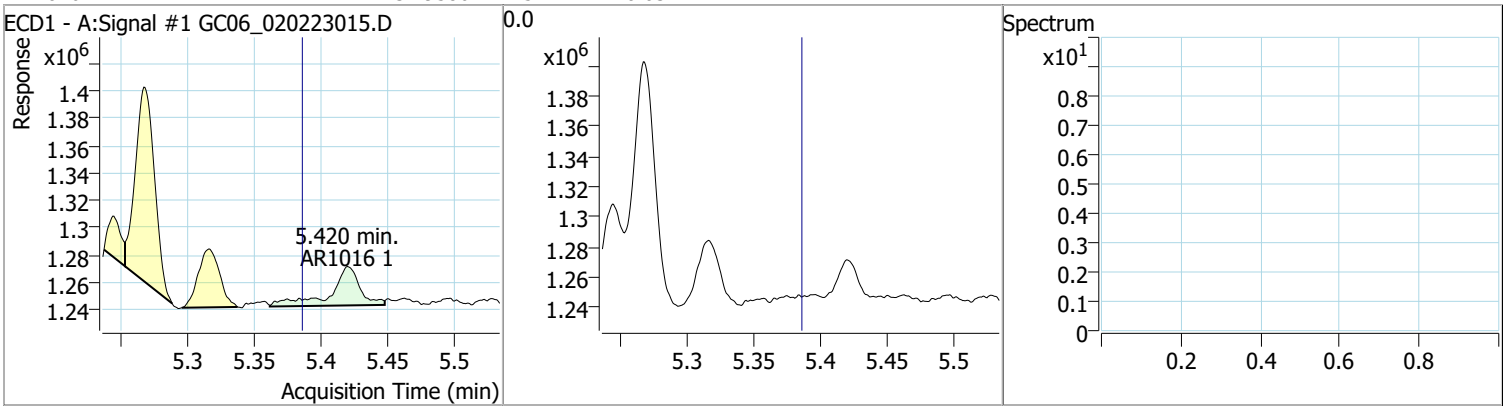
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.420	0.0	44470.979	32.9586	ng/ml	100
T AR1016 2	5.711	0.0	22232.626	0.0000	ng/ml	100
T AR1016 1 #2	5.966	0.0	458312.044	73.9262	ng/ml	100
T AR1016 3	6.173	0.0	427923.778	126.6644	ng/ml	100
T AR1016 4	6.332	0.0	8679.188	4.0276	ng/ml	100
T AR1016 2 #2	6.358	0.0	79202.778	8.8591	ng/ml	100
T AR1016 5	6.558	0.0	154852.936	109.4470	ng/ml	100
T AR1016 3 #2	6.902	0.0	2974646.364	188.9851	ng/ml	100
T AR1016 4 #2	7.128	0.0	40866.114	3.5579	ng/ml	100
T AR1016 5 #2	7.806	0.0	28518.102	3.0975	ng/ml	100
T AR1260 1	8.733	0.0	120424.350	27.4780	ng/ml	100
T AR1260 2	9.269	0.0	61556.799	10.2880	ng/ml	100
T AR1260 3	9.763	0.0	6224.850	0.9138	ng/ml	100
T AR1260 1 #2	10.035	0.0	839750.531	47.9684	ng/ml	100
T AR1260 4	10.117	0.0	183154.506	51.0698	ng/ml	100
T AR1260 2 #2	10.233	0.0	453597.001	10.2789	ng/ml	100
T AR1260 3 #2	10.766	0.0	350055.225	13.7028	ng/ml	100
T AR1260 5	10.858	0.0	146637.547	18.8679	ng/ml	100
T AR1260 4 #2	11.080	0.0	335111.136	23.8622	ng/ml	100
T AR1260 5 #2	11.748	0.0	166899.298	7.2141	ng/ml	100

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

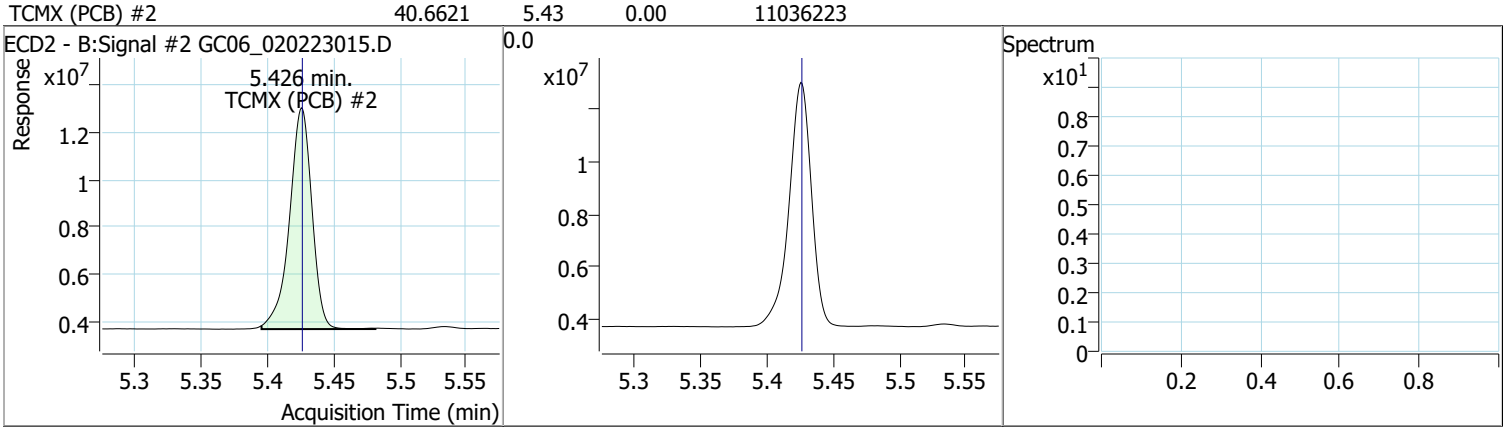
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.9345	5.04	0.00	2108052				



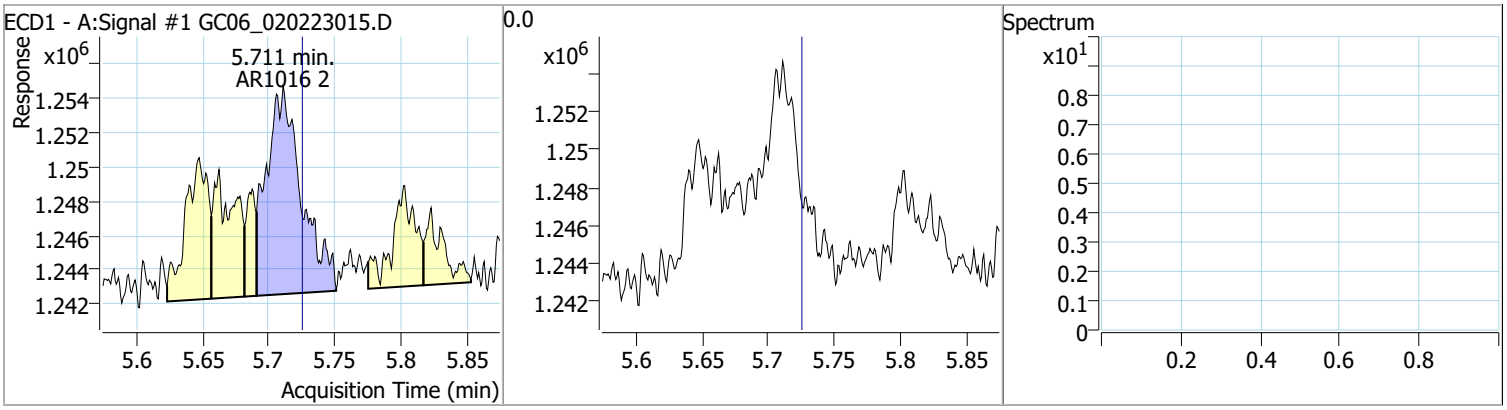
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	32.9586	5.42	0.03	44471				



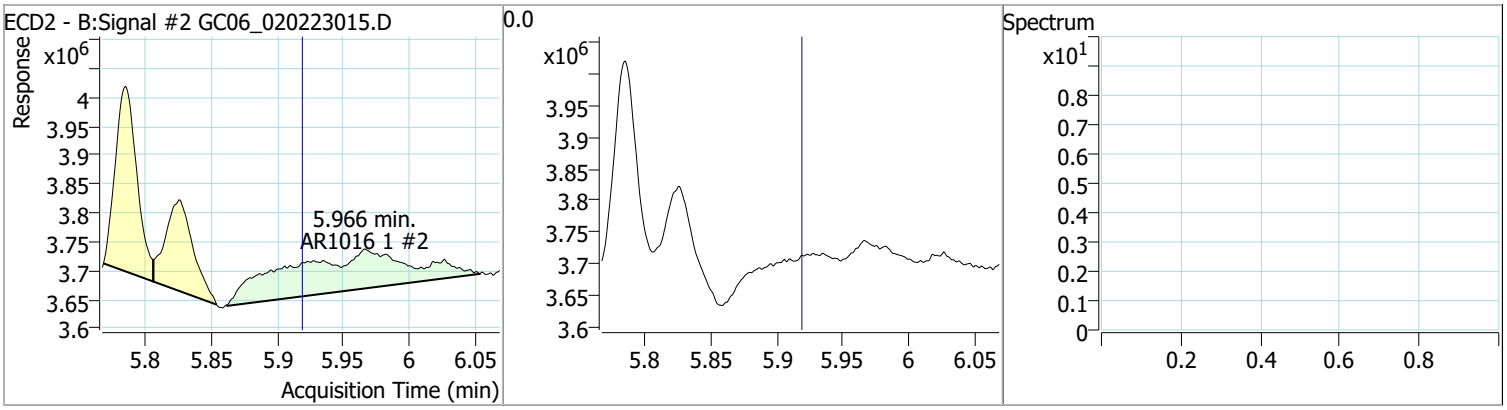
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.6621	5.43	0.00	11036223				



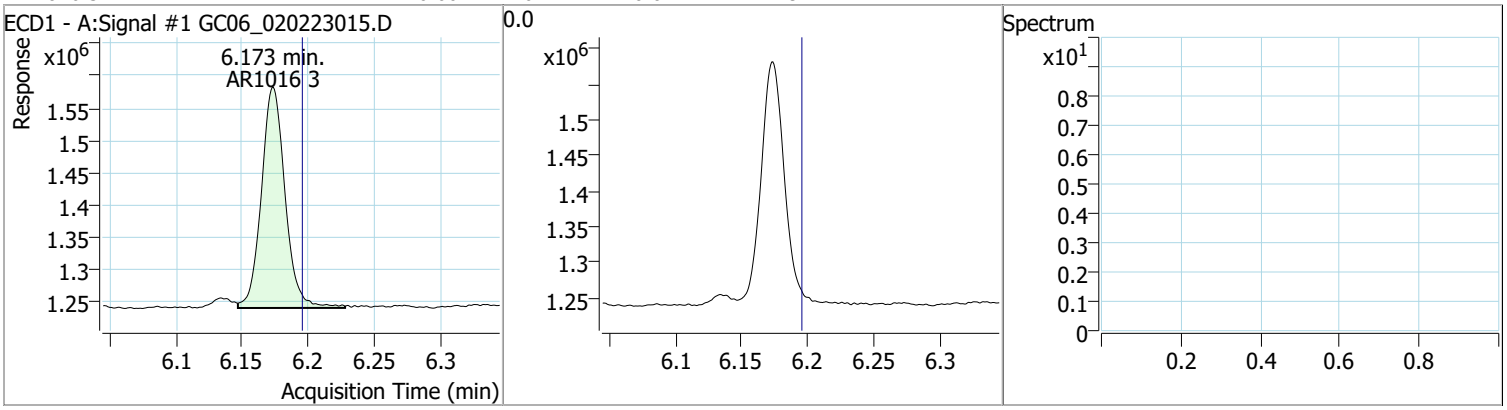
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.71	-0.01	22233				



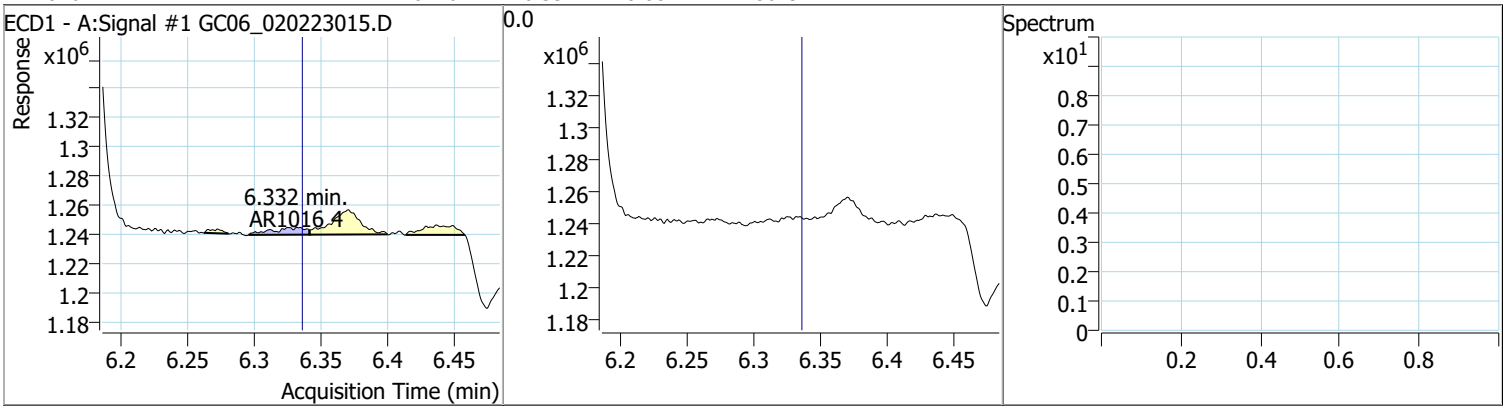
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	73.9262	5.97	0.05	458312				



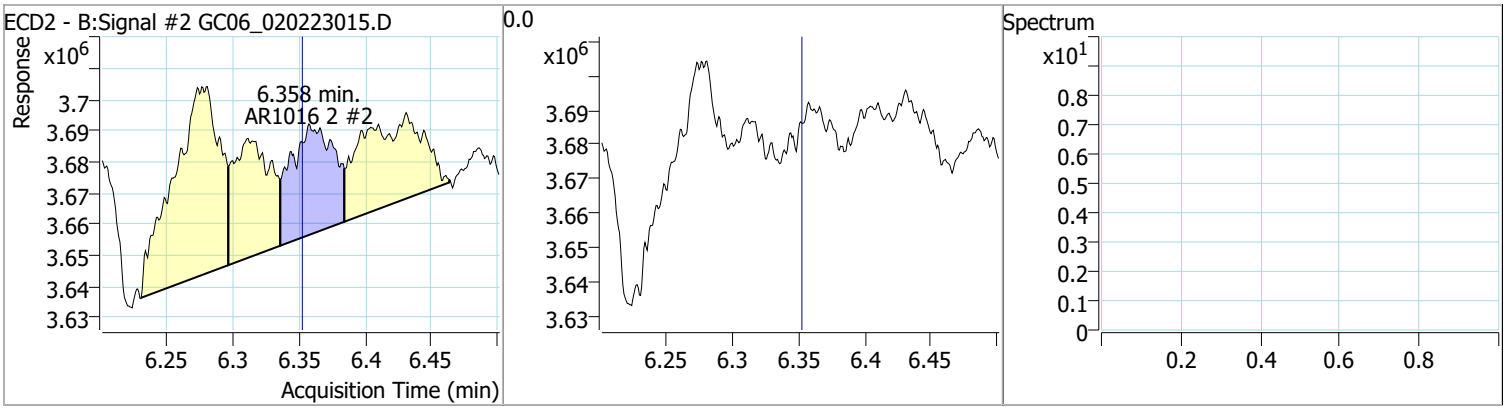
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	126.6644	6.17	-0.02	427924				



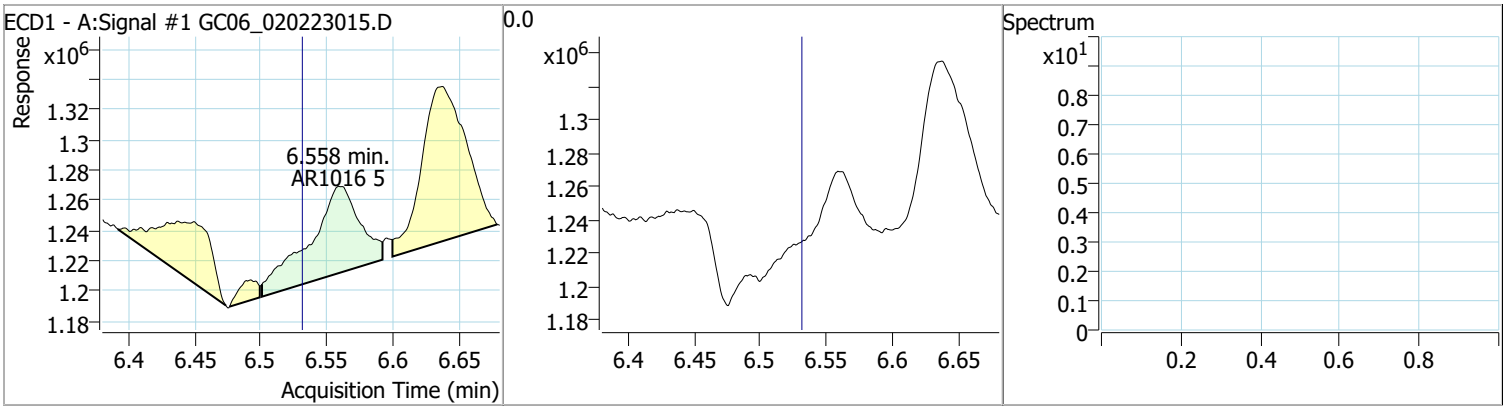
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.0276	6.33	0.00	8679				



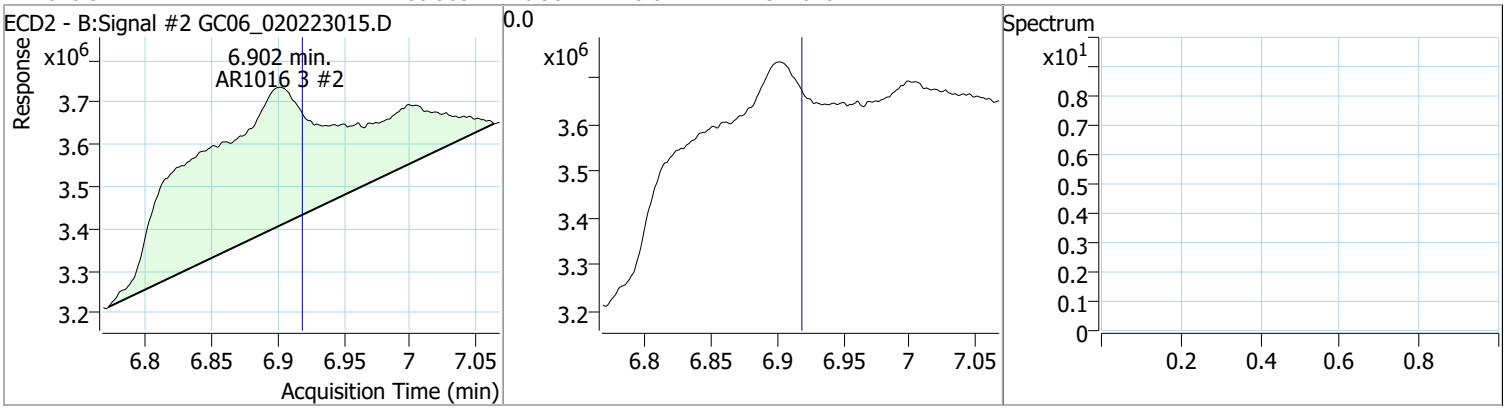
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.8591	6.36	0.01	79203				



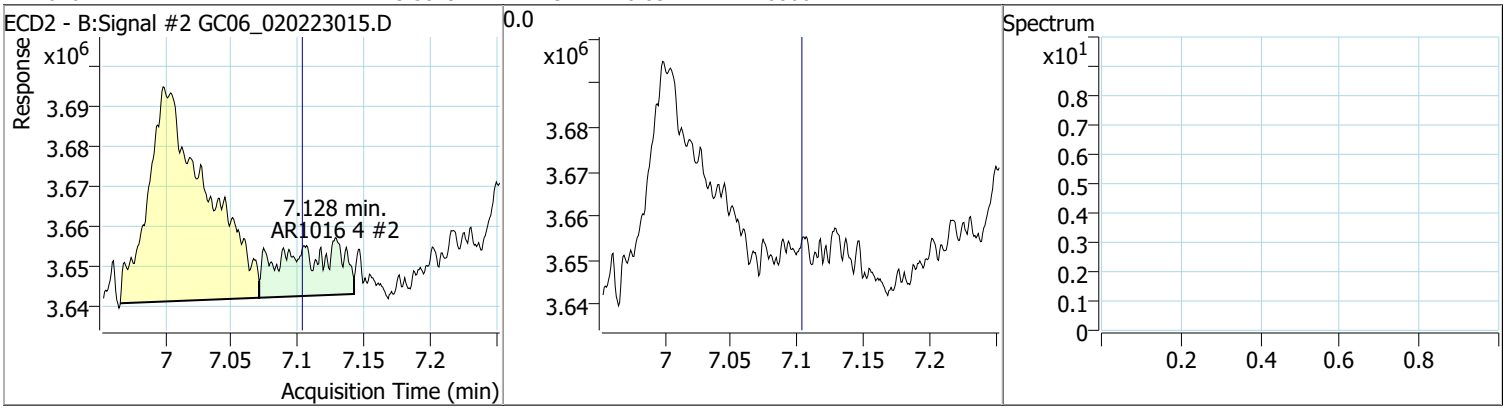
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	109.4470	6.56	0.03	154853				



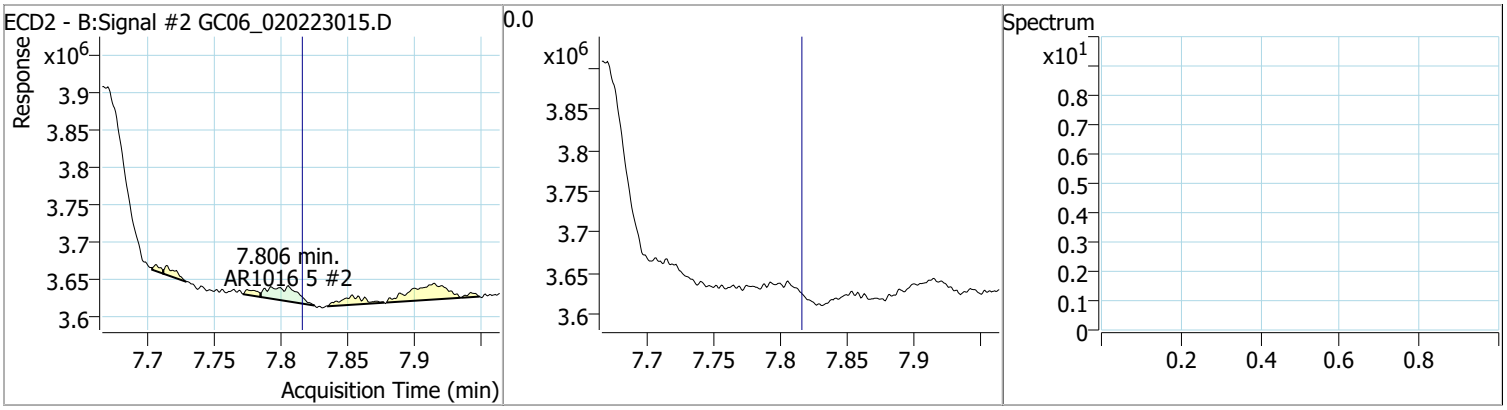
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	188.9851	6.90	-0.02	2974646				



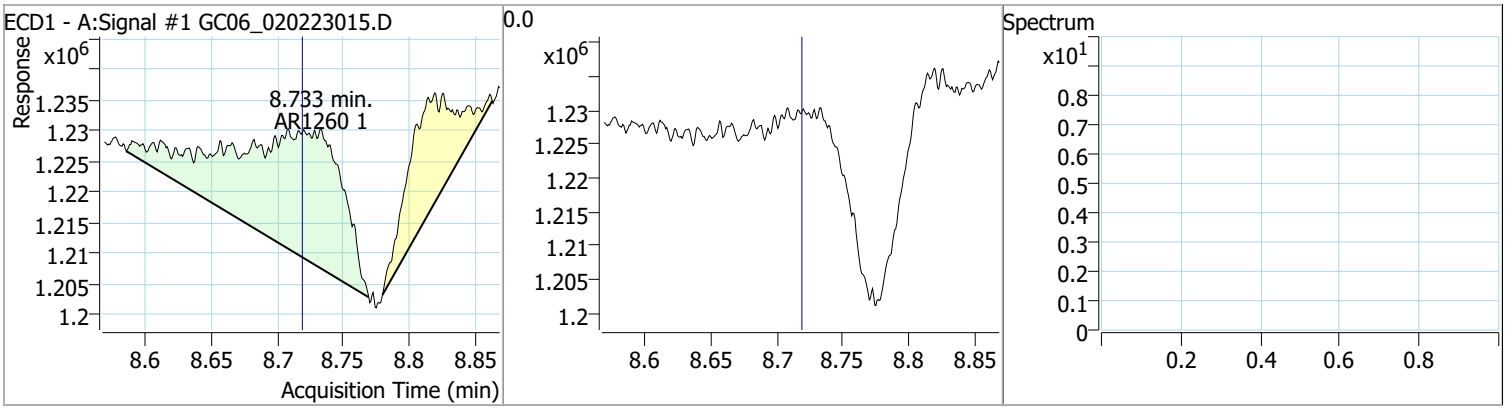
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.5579	7.13	0.03	40866				



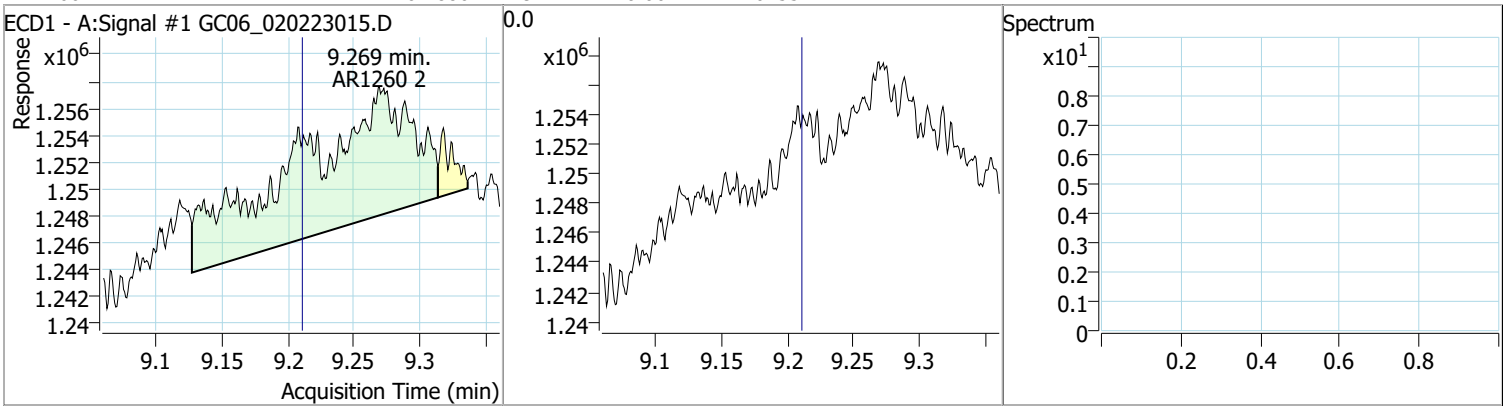
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.0975	7.81	-0.01	28518				



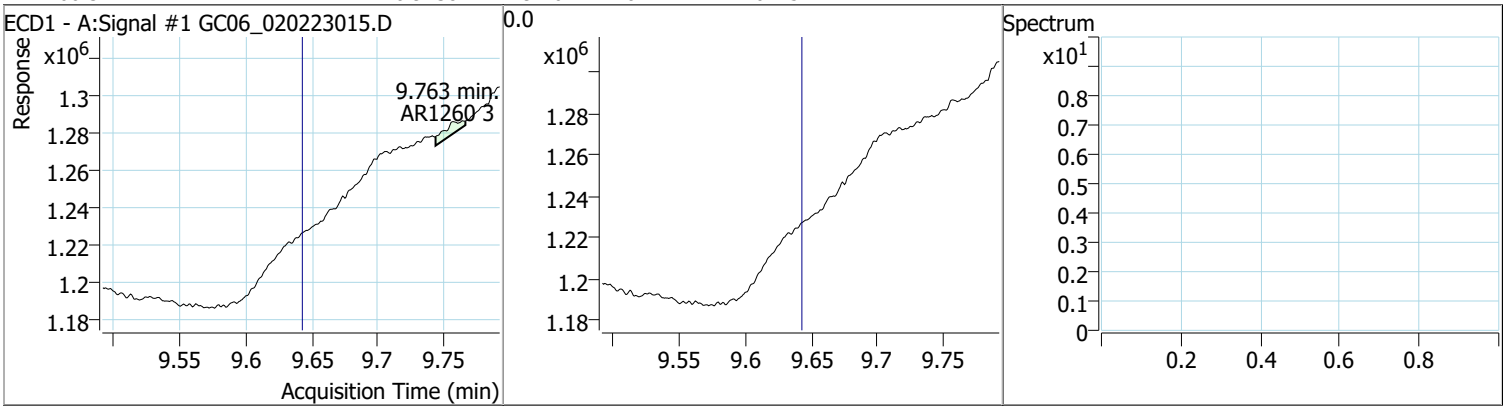
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.4780	8.73	0.01	120424				



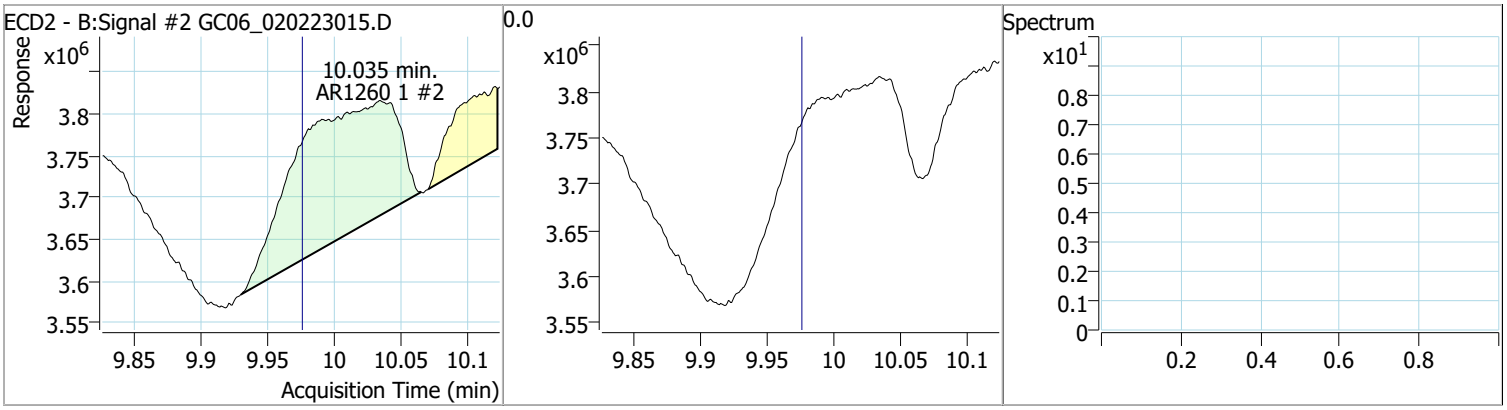
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	10.2880	9.27	0.06	61557				



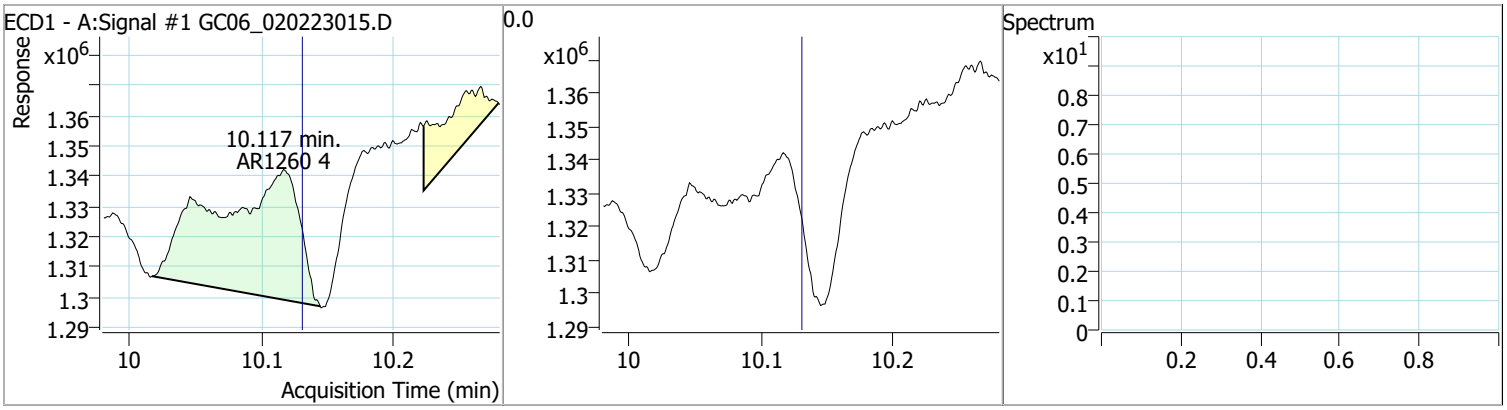
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9138	9.76	0.12	6225				



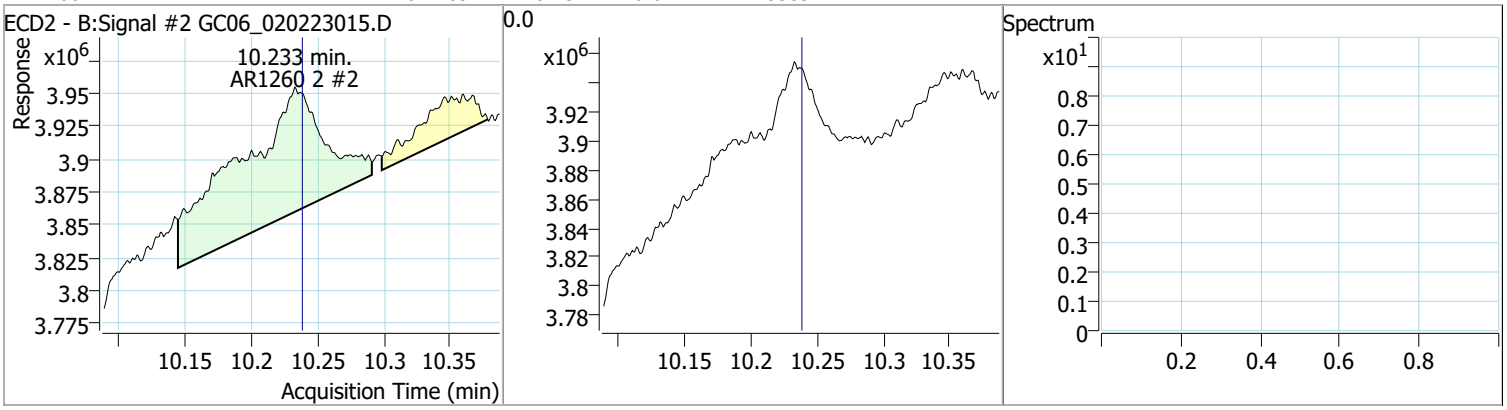
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	47.9684	10.04	0.06	839751				



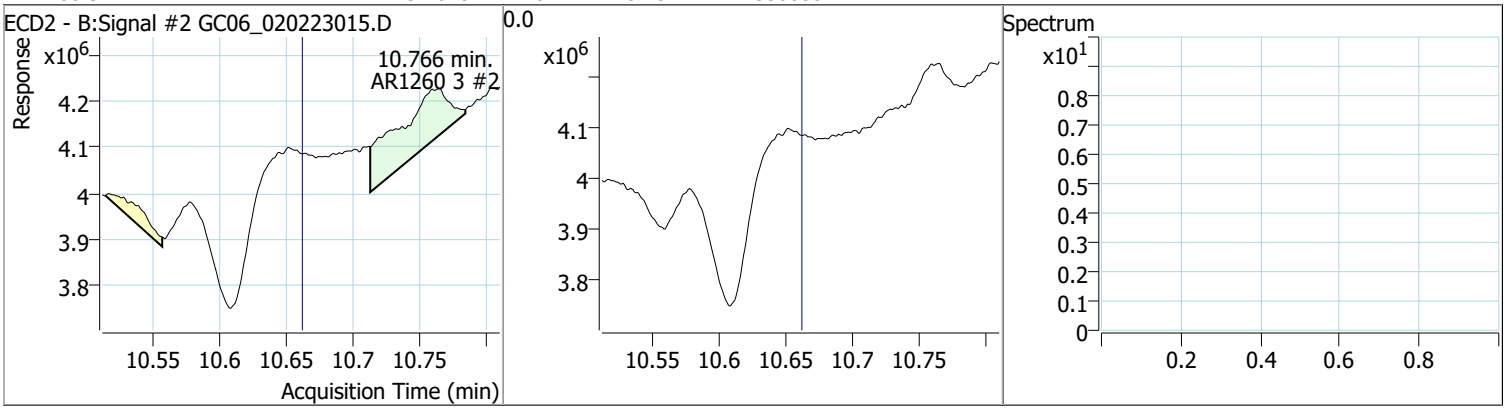
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	51.0698	10.12	-0.01	183155				



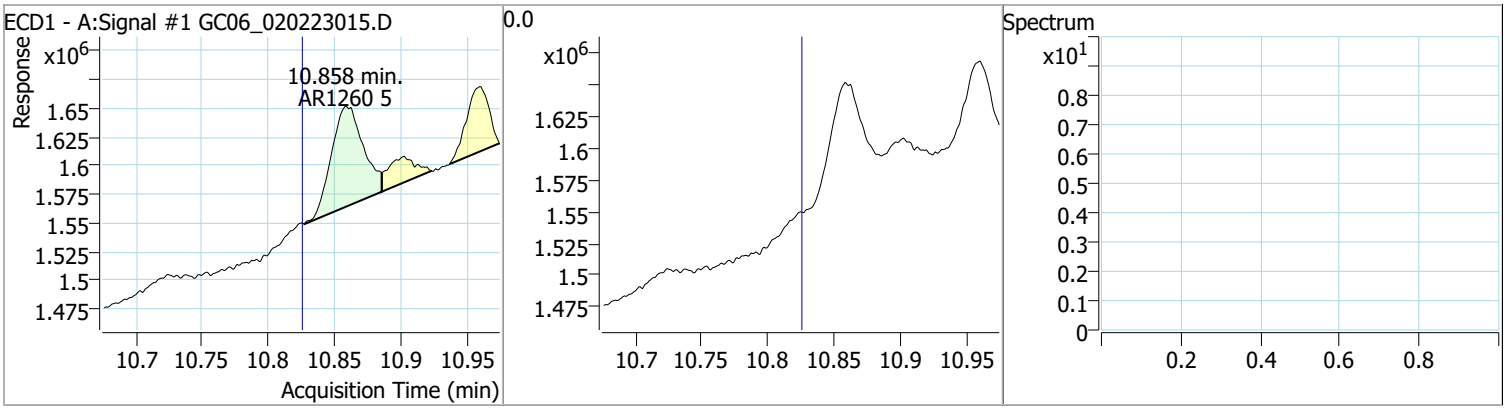
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.2789	10.23	-0.01	453597				



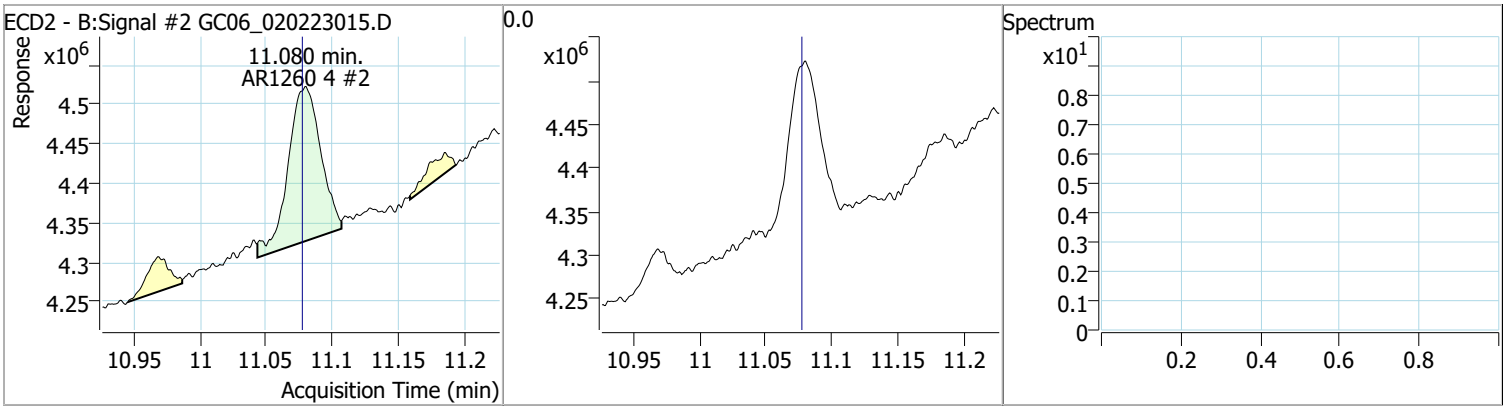
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.7028	10.77	0.10	350055				



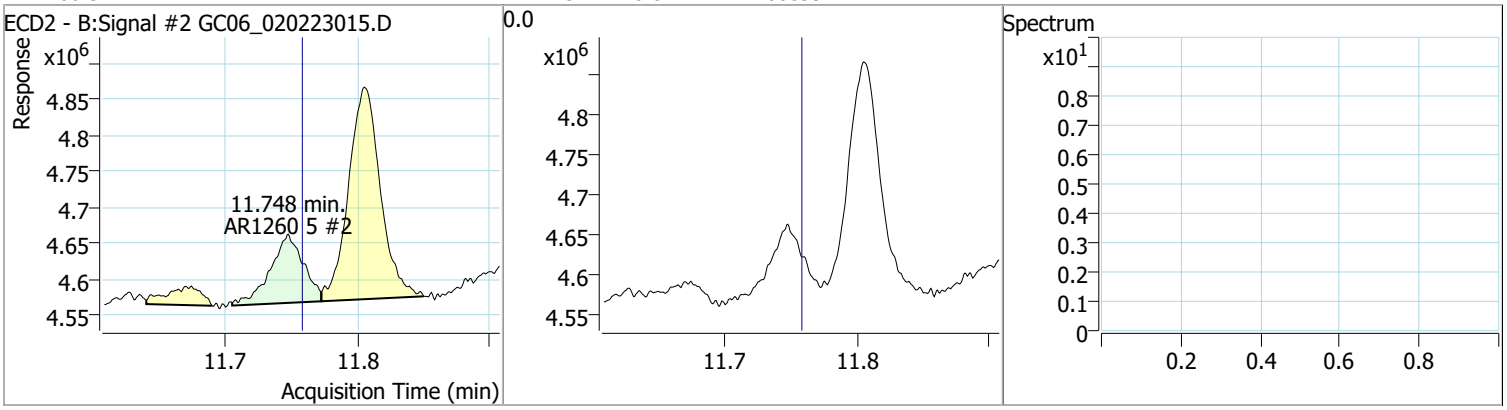
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.8679	10.86	0.03	146638				



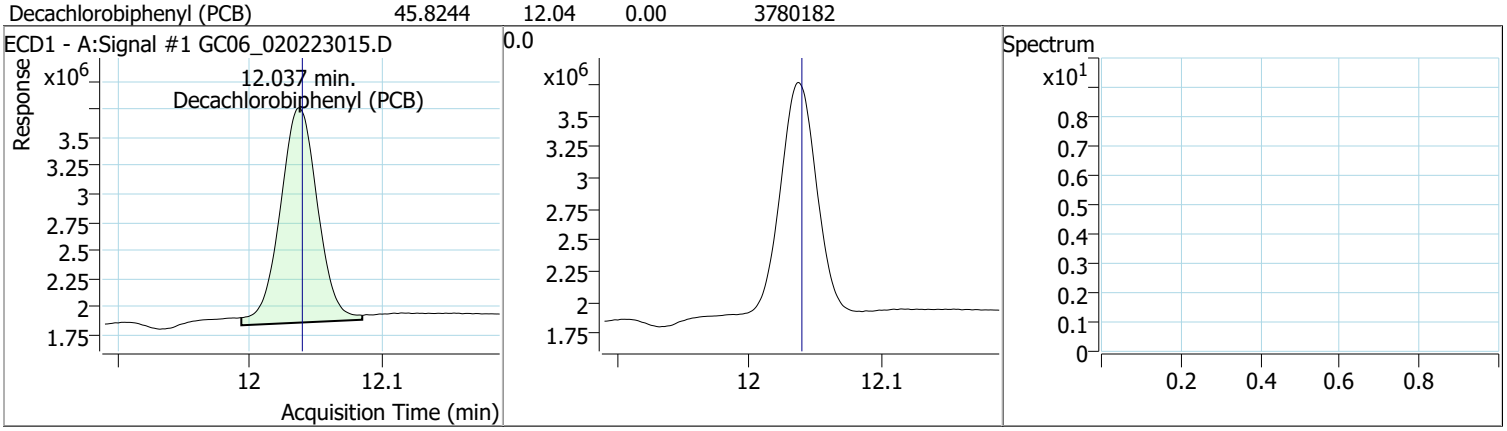
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	23.8622	11.08	0.00	335111				



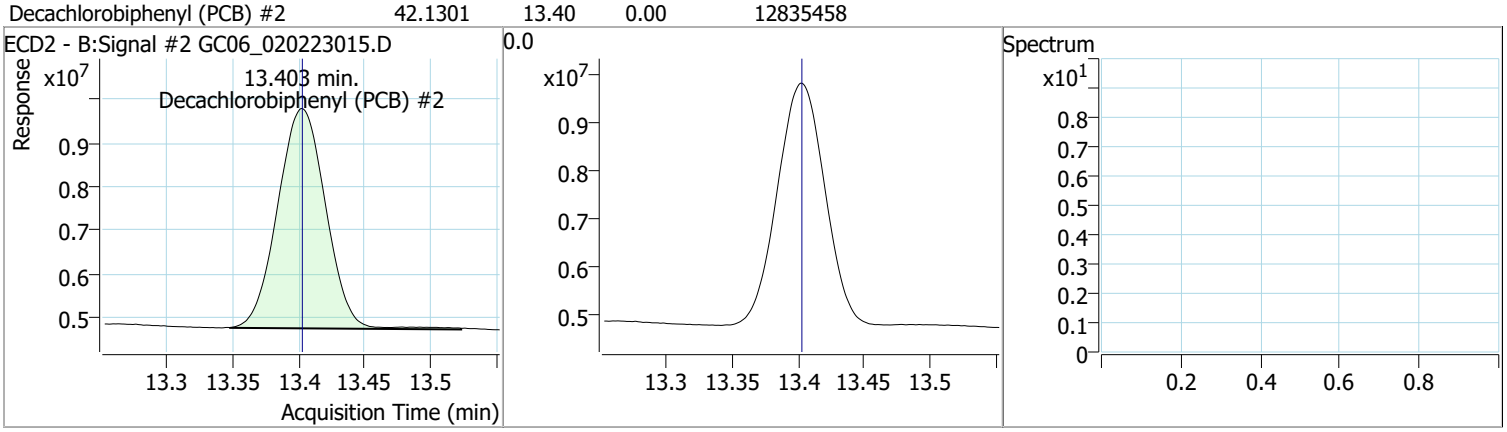
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.2141	11.75	-0.01	166899				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.8244	12.04	0.00	3780182				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.1301	13.40	0.00	12835458				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478361-006	Client ID:	AFRAME-C3W-LAT-L2-HS-1-P-230127-FB
Seqnum:	453048221016	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020223016	Batch:	306460	Time:	02-FEB-2023 17:47
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	55.43	~~0.55~~ ~~FP~~	1.0	57%	0.50		x u
Aroclor-1016 Peak # 1	B	83.99	0.84	0.37	78%			
Aroclor-1016 Peak # 2	B	7.271	0.07	ND	342%			
Aroclor-1016 Peak # 3	B	180.1	1.80	1.97	9%			
Aroclor-1016 Peak # 4	B	0.9804	0.01	1.49	197%			
Aroclor-1016 Peak # 5	B	4.833	0.05	1.18	184%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	18.12	ND	0.36	66%	0.50		u
Aroclor-1260 Peak # 1	B	46.90	0.47	0.22	71%			
Aroclor-1260 Peak # 2	B	5.804	0.06	0.03	69%			
Aroclor-1260 Peak # 3	B	10.51	0.11	0.82	155%			
Aroclor-1260 Peak # 4	B	16.63	0.17	0.49	98%			
Aroclor-1260 Peak # 5	B	10.74	0.11	0.24	77%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.10	0.5000	0.3610	72	19-121	u
Decachlorobiphenyl (PCB)	B	36.79	0.5000	0.3679	74	19-121	c+ u

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

ISTD (CCV gc06_020223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8893310	5837165	-34.36
1-bromo-2-nitrobenzene (PCB)	A	1973814	1219664	-38.21

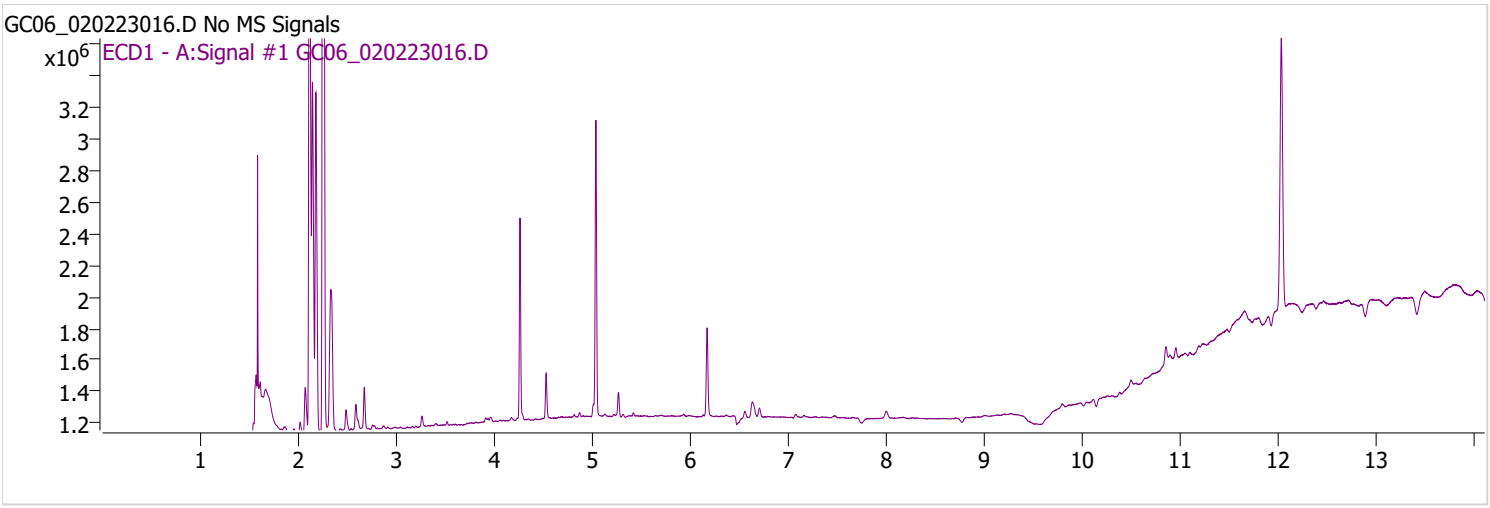
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

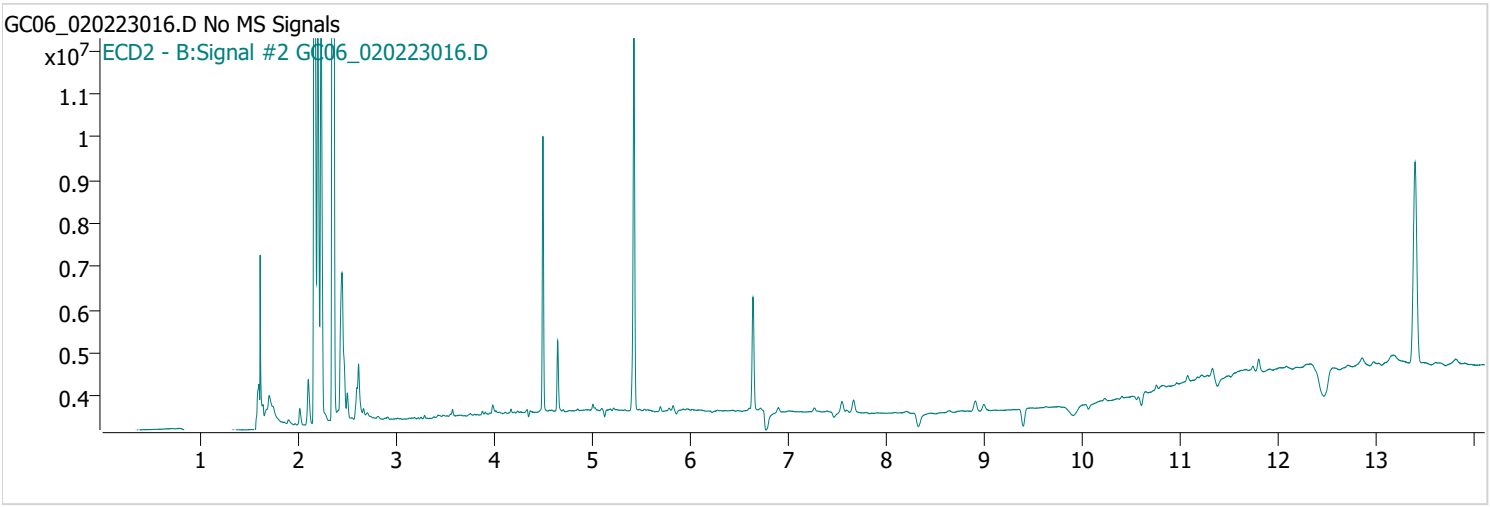
ISTD (CCV gc06_020223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.50	4.50	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.26	4.26	0.00

Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020223016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 5:47:45 PM
Sample Name	478361-006, 306460, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



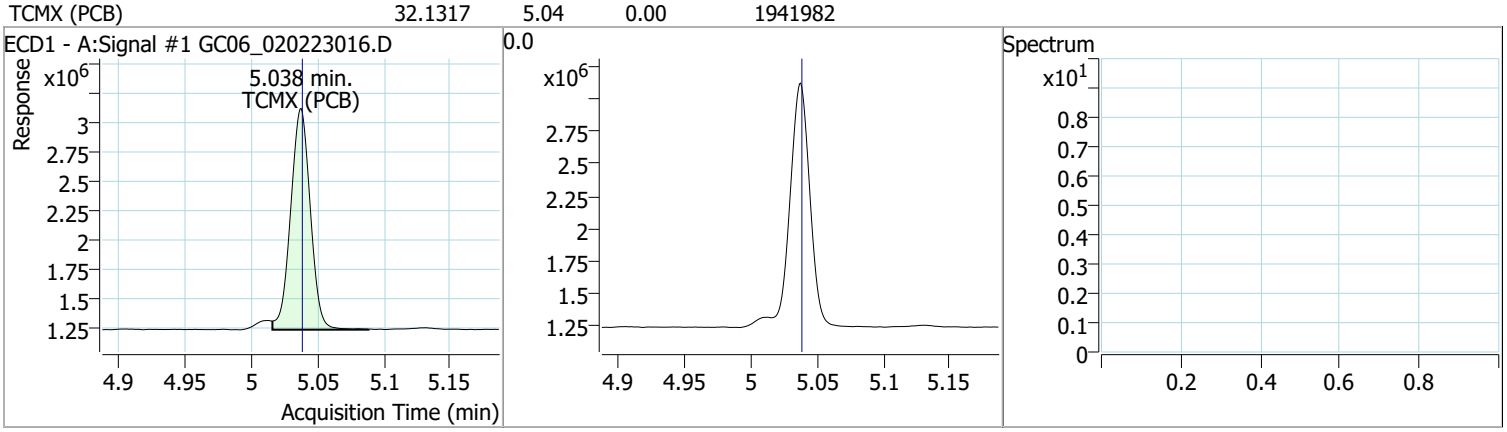


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.263	0.0	1219663.717	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.497	0.0	5837165.014	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.038	0.0	1941981.664	32.1317	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.66%		*	
S TCMX (PCB) #2	5.426	0.0	10191836.226	36.1051	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.53%		*	
S Decachlorobiphenyl (PCB)	12.036	0.0	3481197.385	40.9610	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.80%		*	
S Decachlorobiphenyl (PCB) #2	13.403	0.0	11658455.010	36.7932	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.97%		*	
Target Compounds							QValue

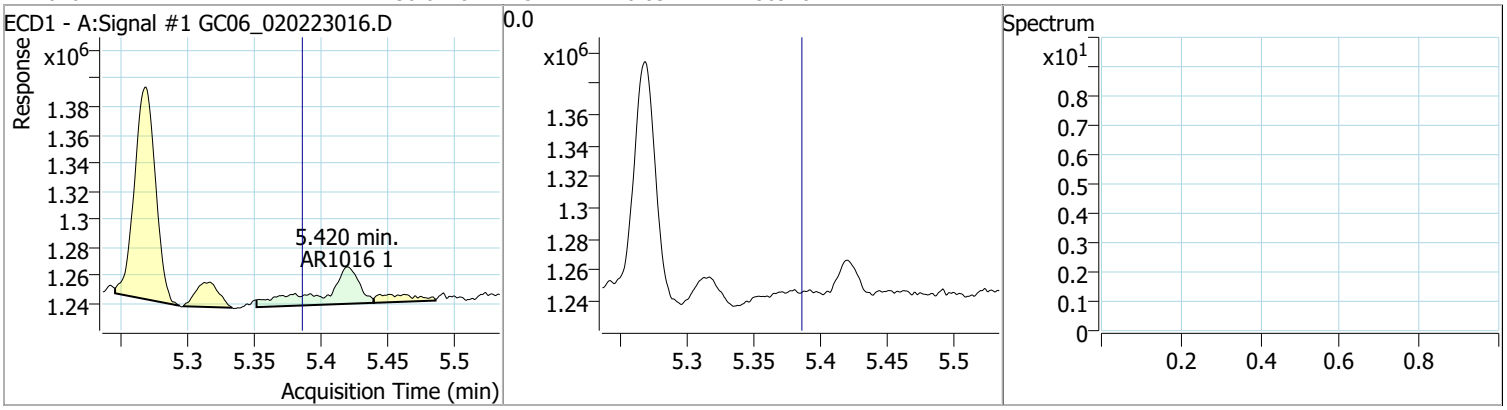
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.420	0.0	50977.894	36.6718	ng/ml	100
T AR1016 2	5.699	0.0	22489.100	0.0000	ng/ml	100
T AR1016 1 #2	5.966	0.0	541574.323	83.9927	ng/ml	100
T AR1016 3	6.173	0.0	685688.258	197.0031	ng/ml	100
T AR1016 4	6.371	0.0	330681.909	148.9477	ng/ml	100
T AR1016 2 #2	6.357	0.0	67612.961	7.2716	ng/ml	100
T AR1016 5	6.559	0.0	171661.939	117.7651	ng/ml	100
T AR1016 3 #2	6.902	0.0	2948110.494	180.0869	ng/ml	100
T AR1016 4 #2	7.092	0.0	11712.658	0.9805	ng/ml	100
T AR1016 5 #2	7.801	0.0	46282.512	4.8335	ng/ml	100
T AR1260 1	8.713	0.0	100691.886	22.3009	ng/ml	100
T AR1260 2	9.212	0.0	17501.988	2.8392	ng/ml	100
T AR1260 3	9.768	0.0	575231.838	81.9678	ng/ml	100
T AR1260 1 #2	10.038	0.0	853934.513	46.9003	ng/ml	100
T AR1260 4	10.119	0.0	179822.388	48.6686	ng/ml	100
T AR1260 2 #2	10.236	0.0	385542.867	5.7978	ng/ml	100
T AR1260 3 #2	10.762	0.0	279196.600	10.5082	ng/ml	100
T AR1260 5	10.858	0.0	193848.677	24.2102	ng/ml	100
T AR1260 4 #2	11.079	0.0	242937.339	16.6327	ng/ml	100
T AR1260 5 #2	11.744	0.0	258532.381	10.7445	ng/ml	100

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

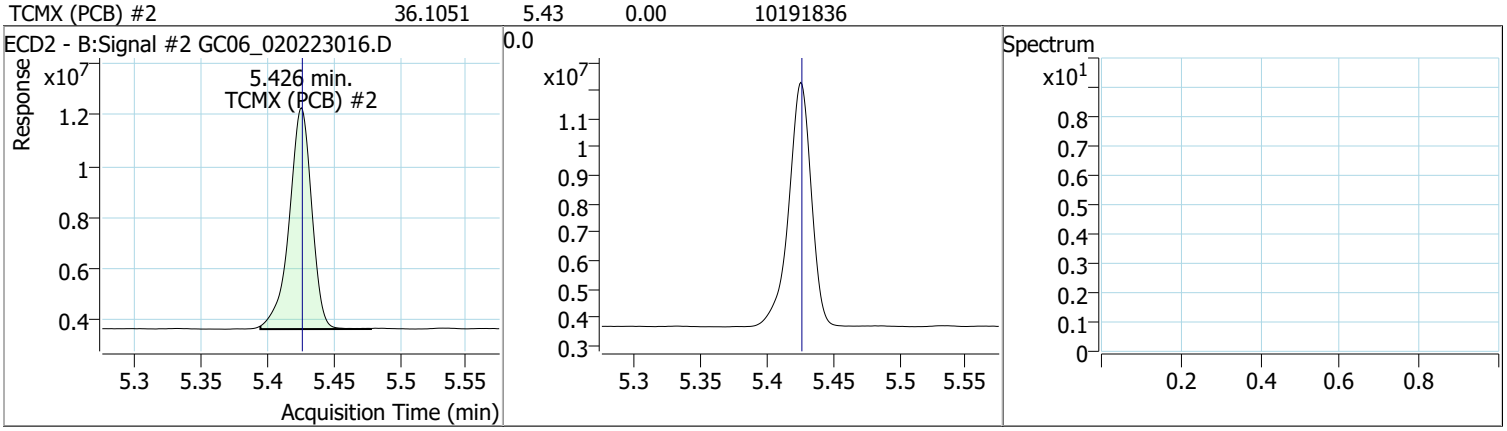
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.1317	5.04	0.00	1941982				



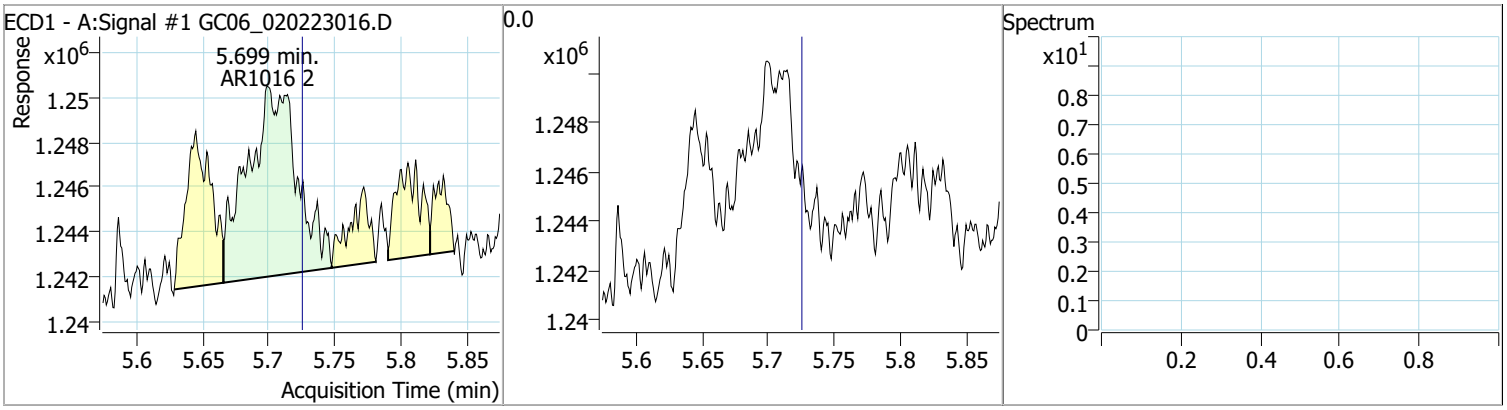
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	36.6718	5.42	0.03	50978				



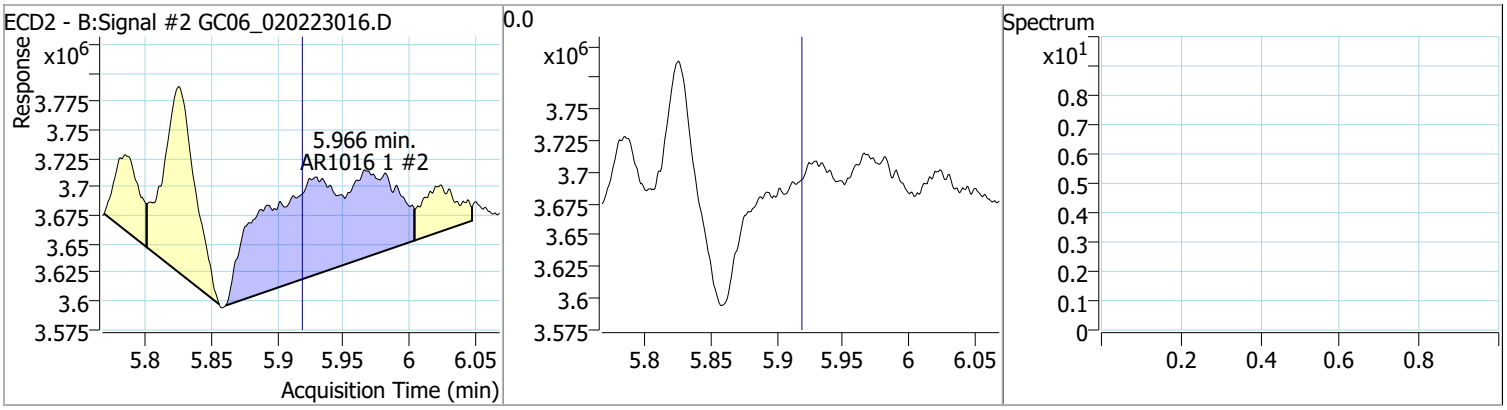
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.1051	5.43	0.00	10191836				



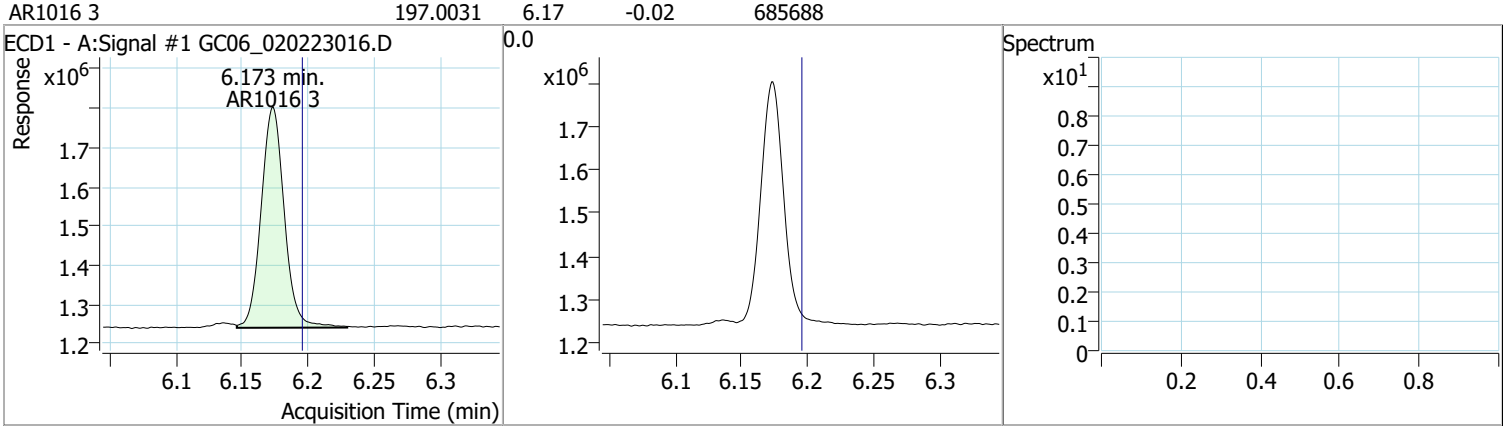
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.70	-0.03	22489				



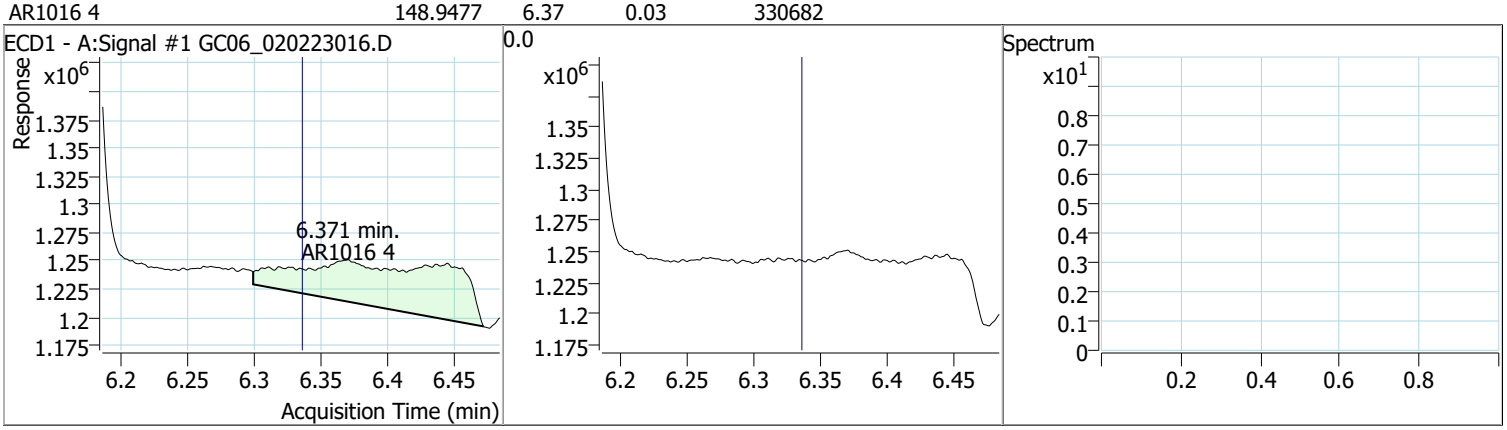
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	83.9927	5.97	0.05	541574				



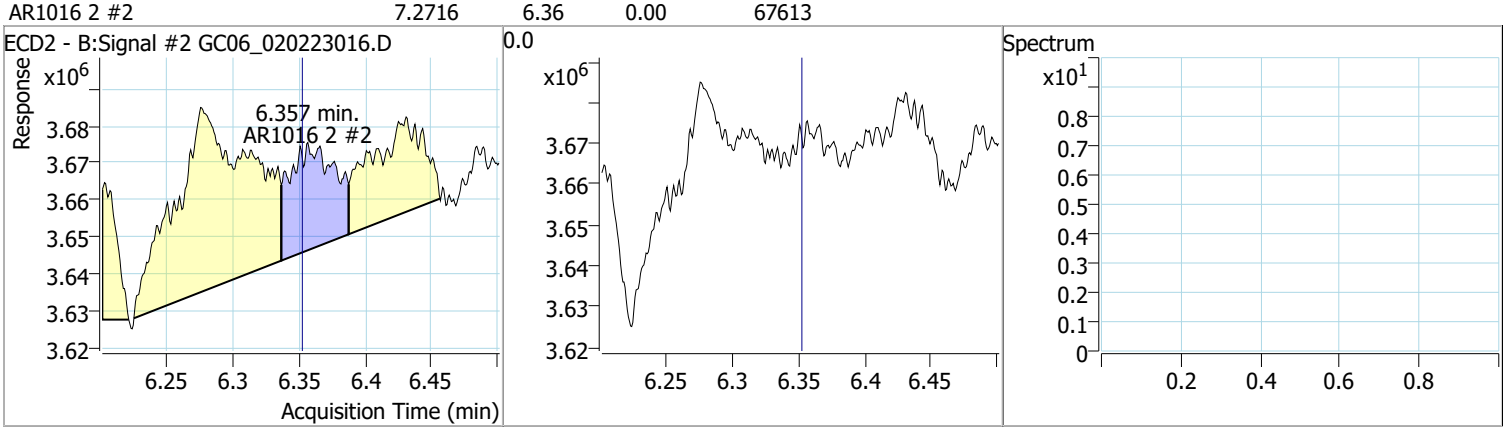
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	197.0031	6.17	-0.02	685688				



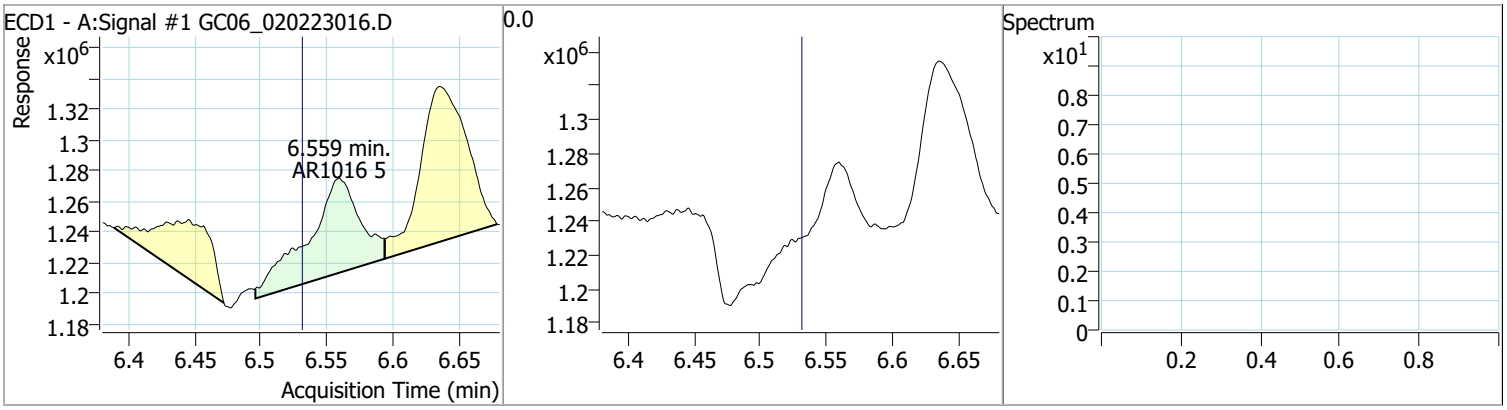
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	148.9477	6.37	0.03	330682				



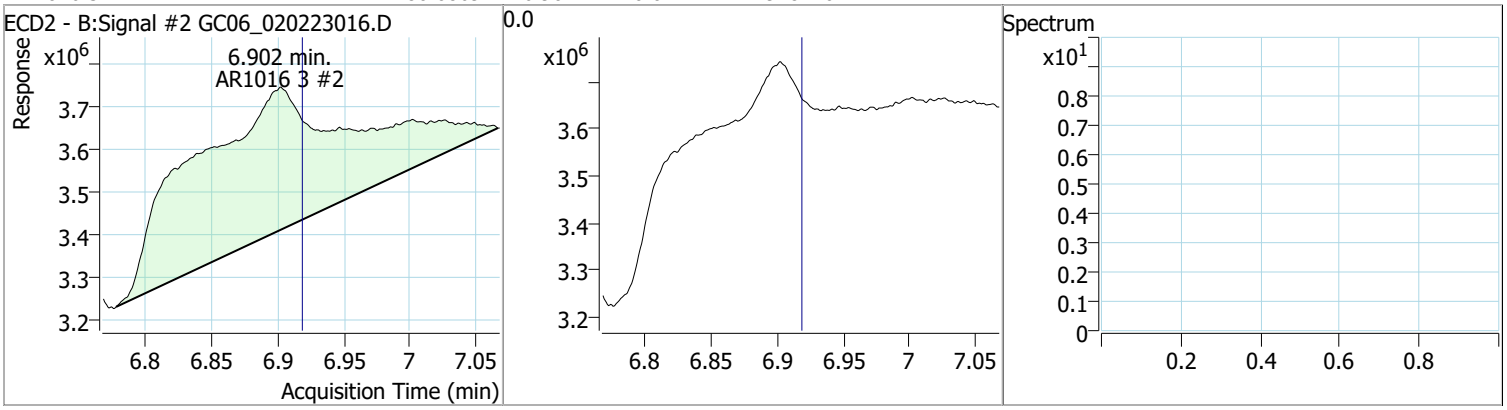
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.2716	6.36	0.00	67613				



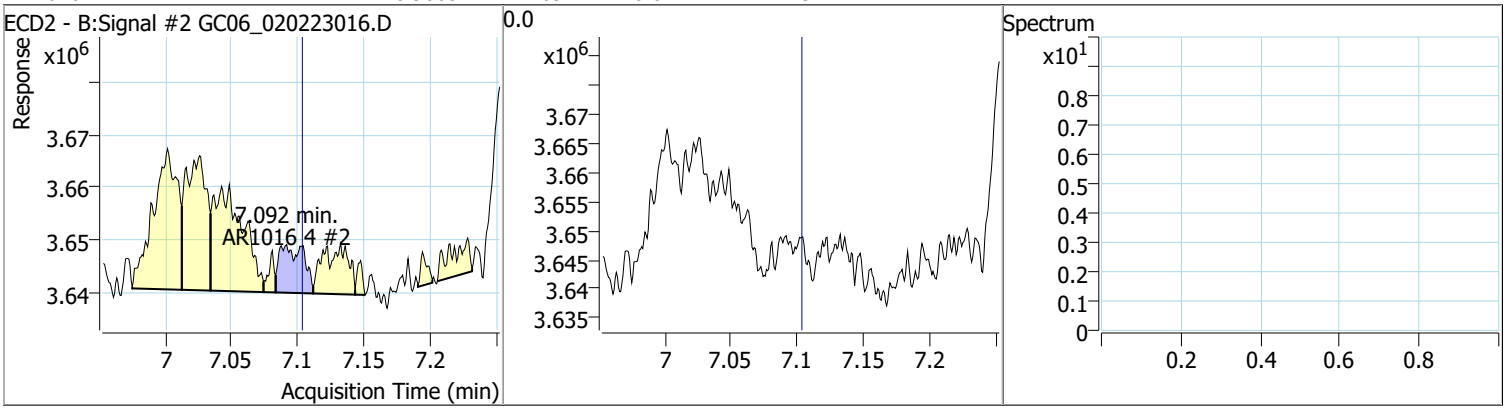
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	117.7651	6.56	0.03	171662				



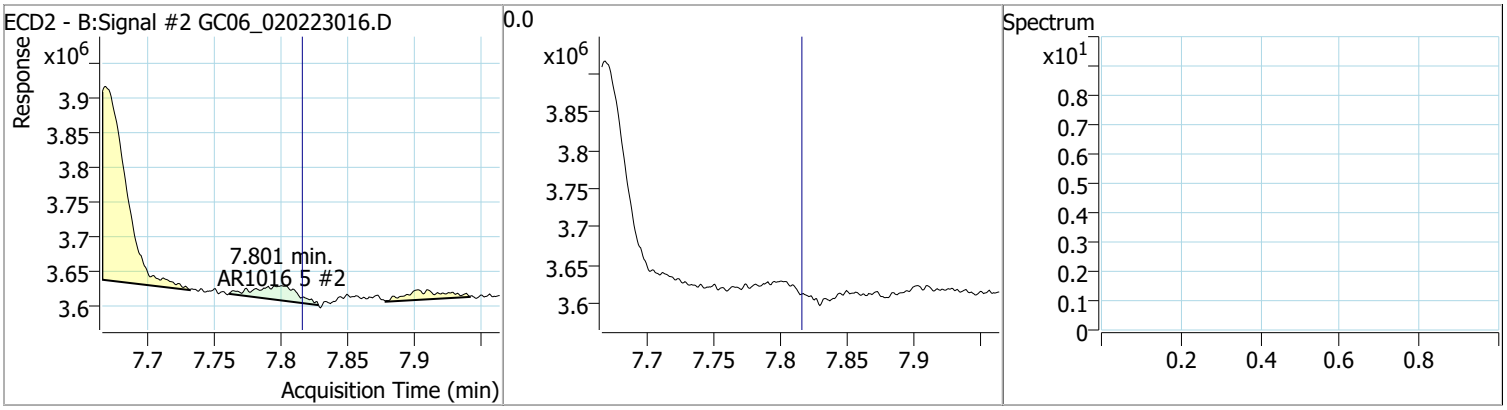
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	180.0869	6.90	-0.02	2948110				



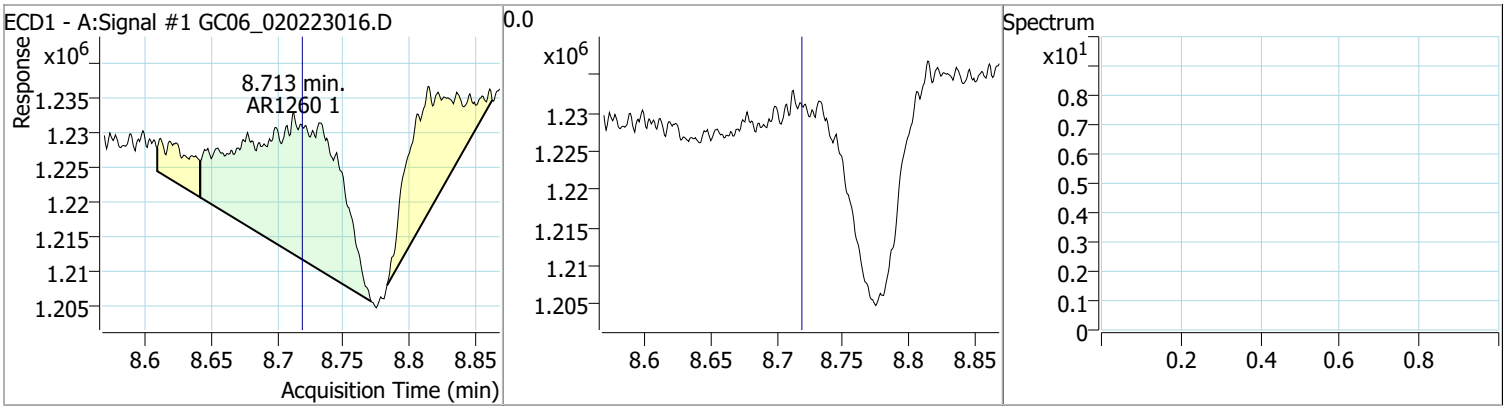
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.9805	7.09	-0.01	11713				



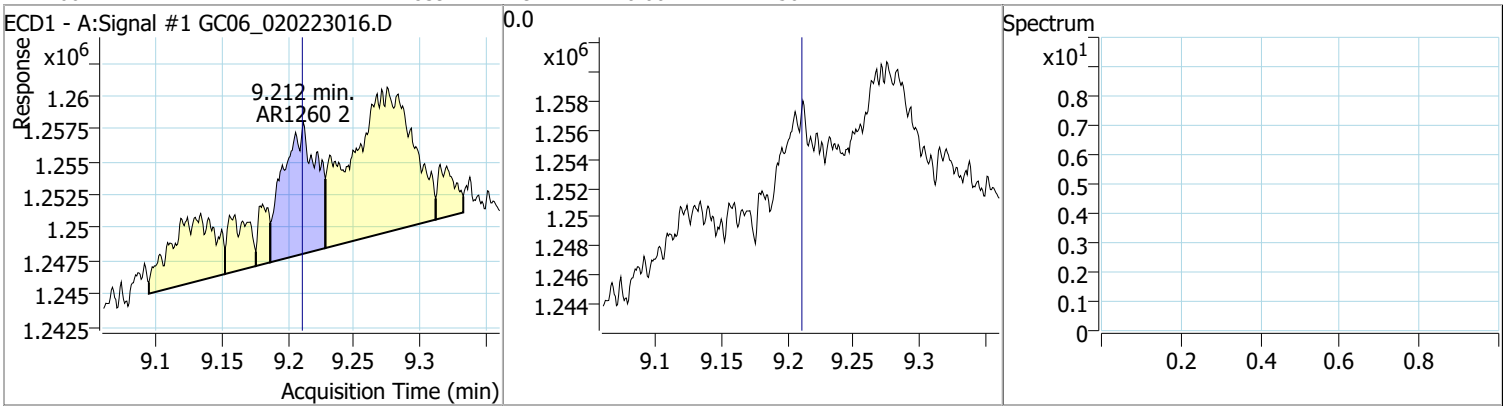
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.8335	7.80	-0.02	46283				



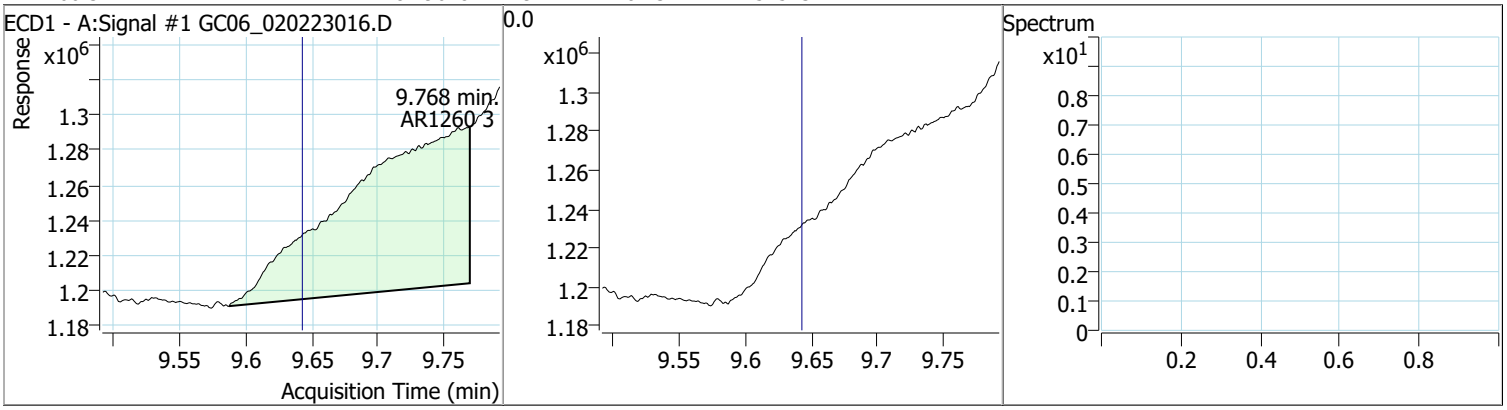
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	22.3009	8.71	-0.01	100692				



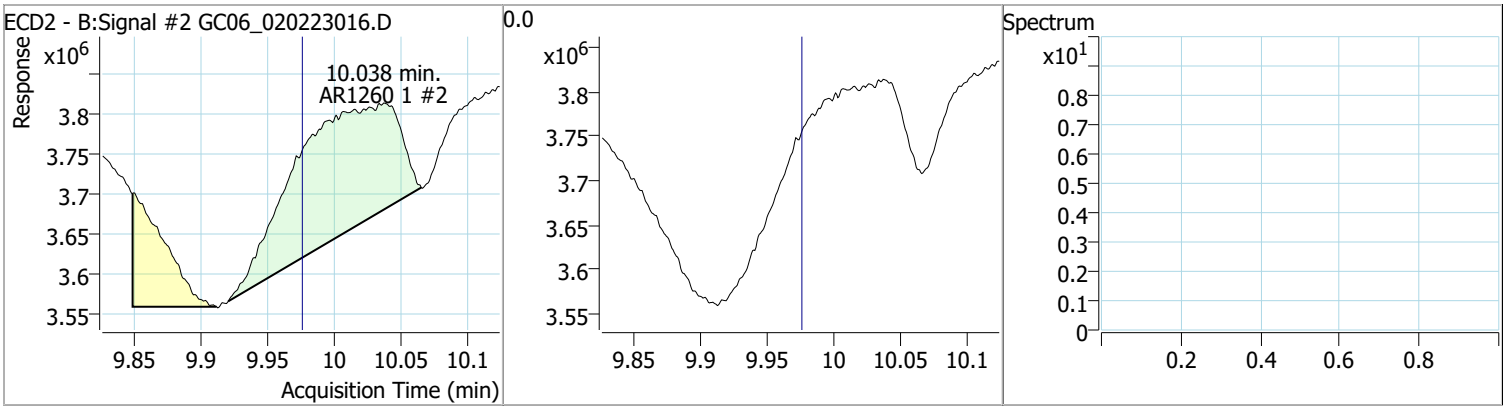
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.8392	9.21	0.00	17502				



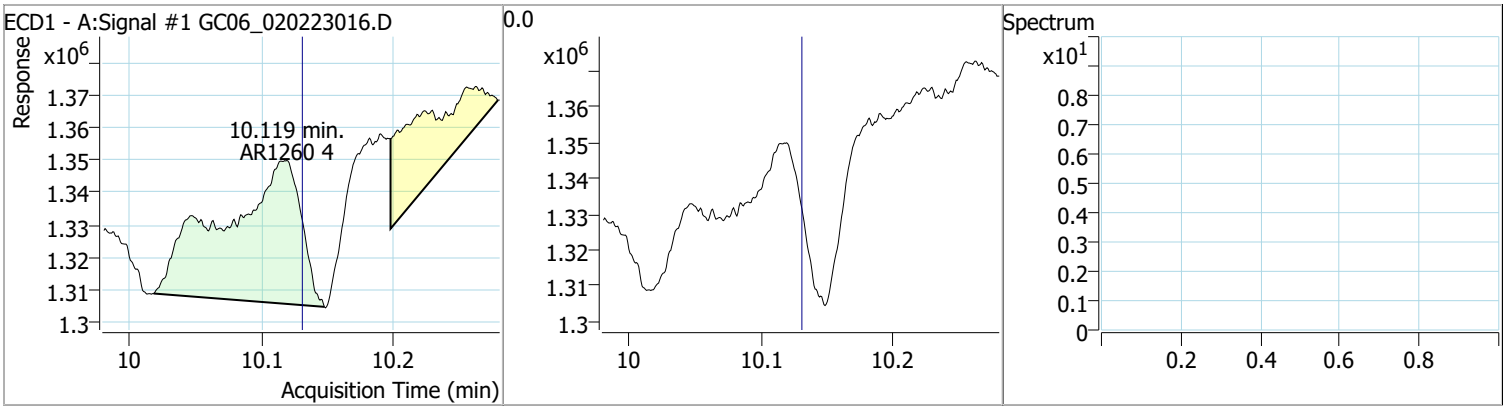
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	81.9678	9.77	0.13	575232				



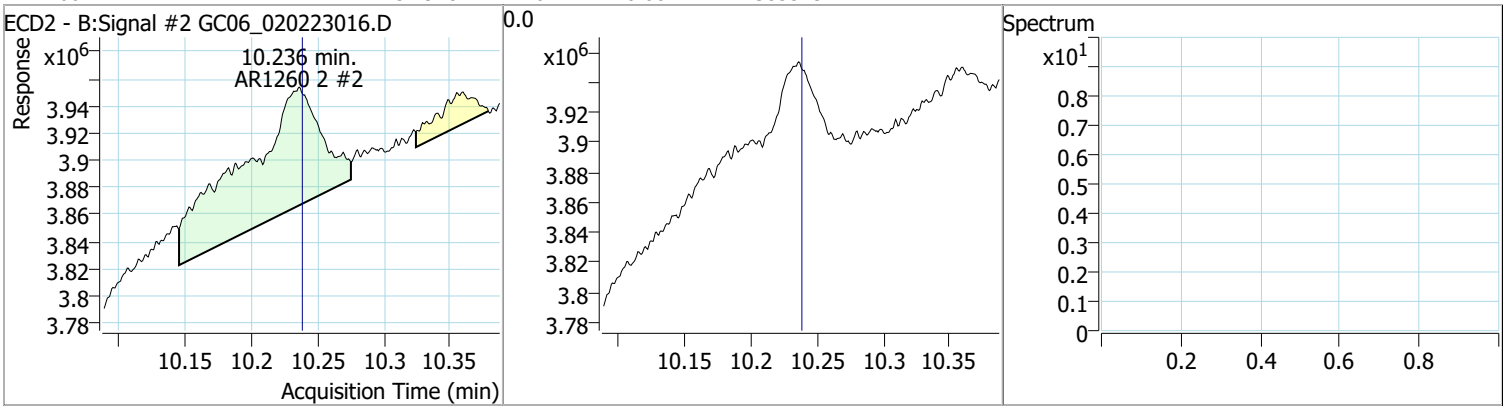
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	46.9003	10.04	0.06	853935				



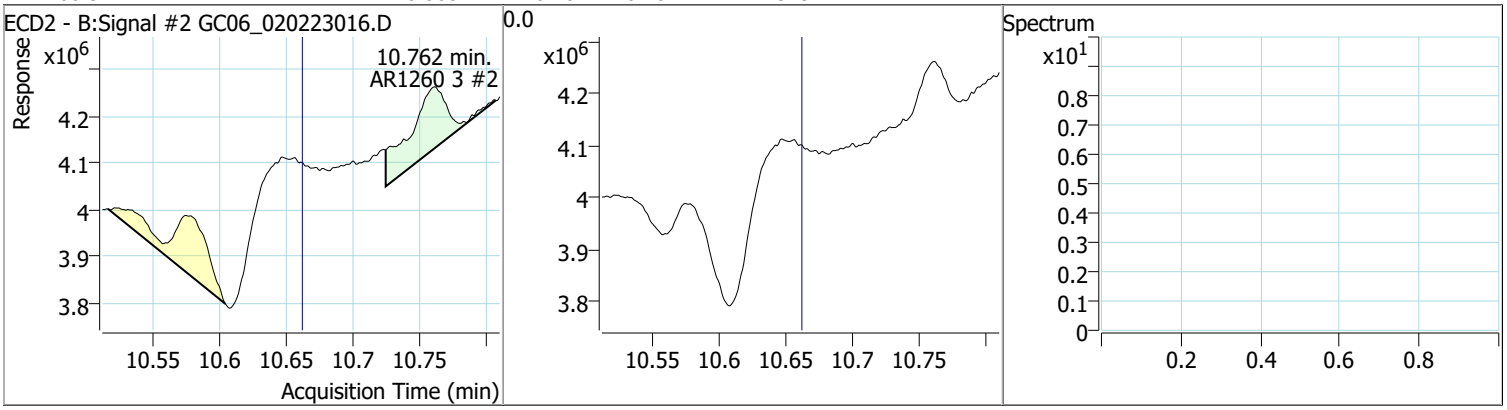
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	48.6686	10.12	-0.01	179822				



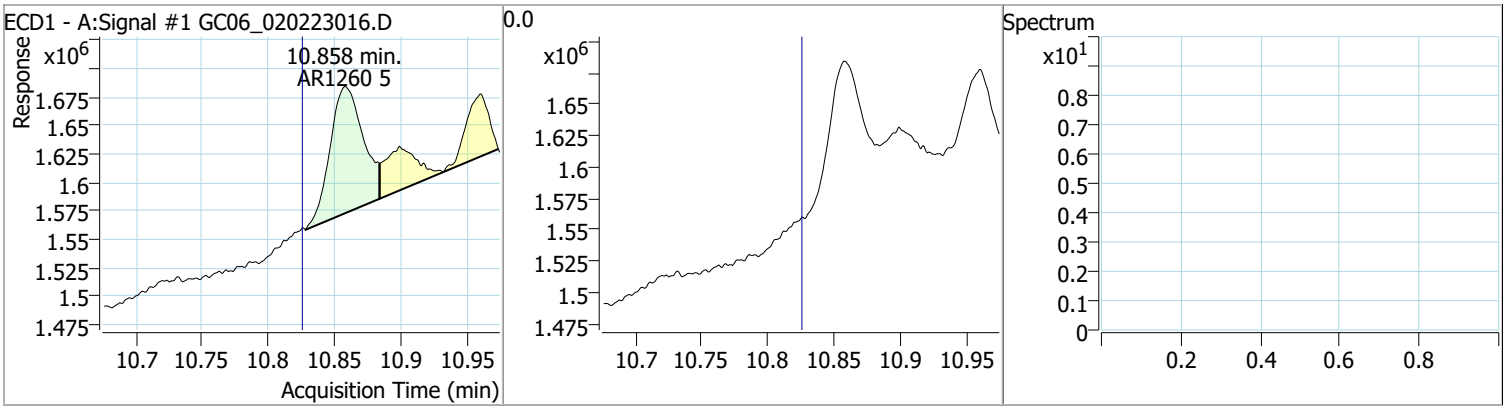
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	5.7978	10.24	0.00	385543				



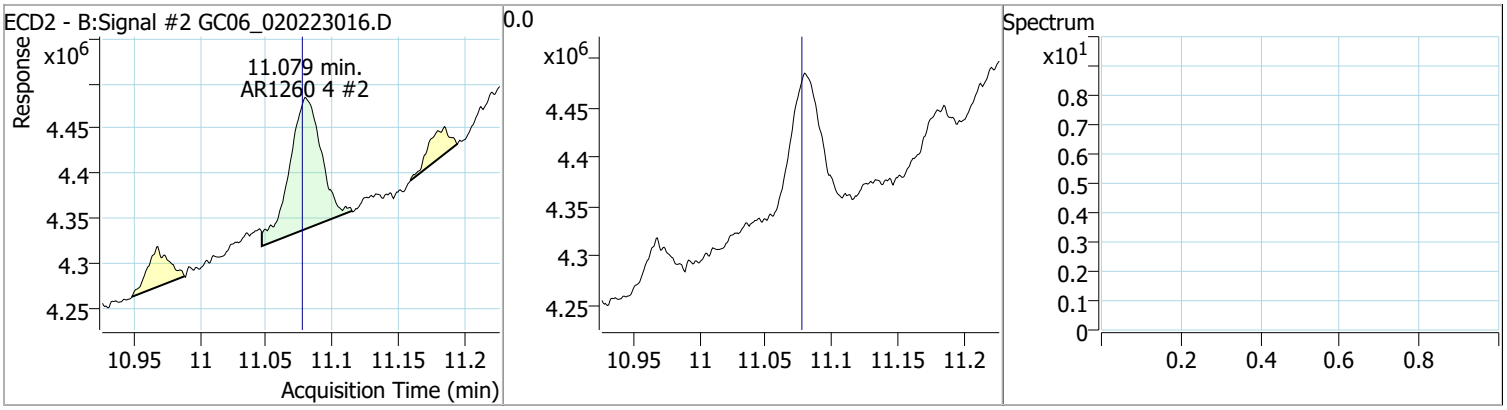
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.5082	10.76	0.10	279197				



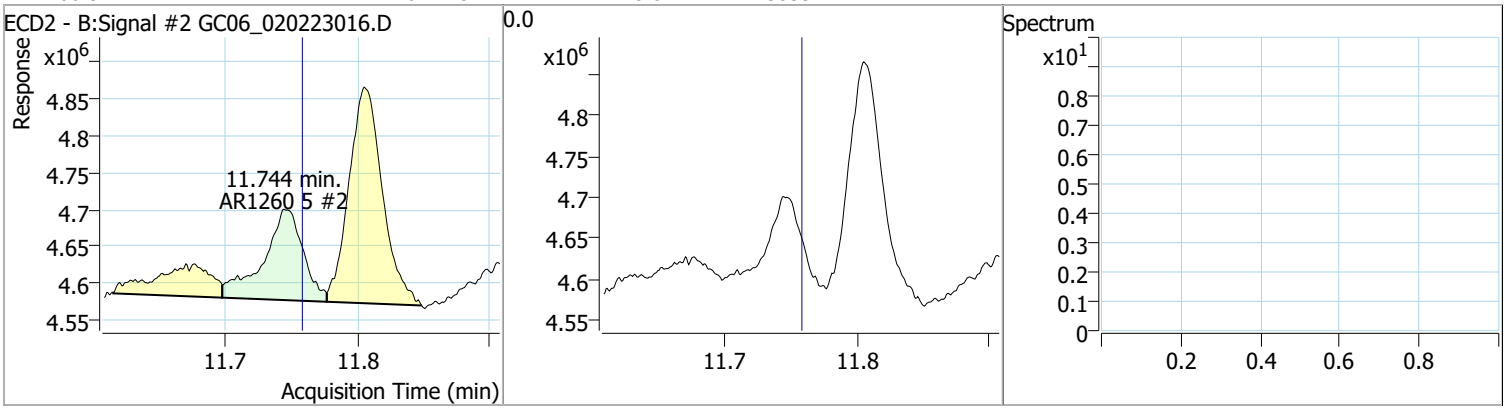
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.2102	10.86	0.03	193849				



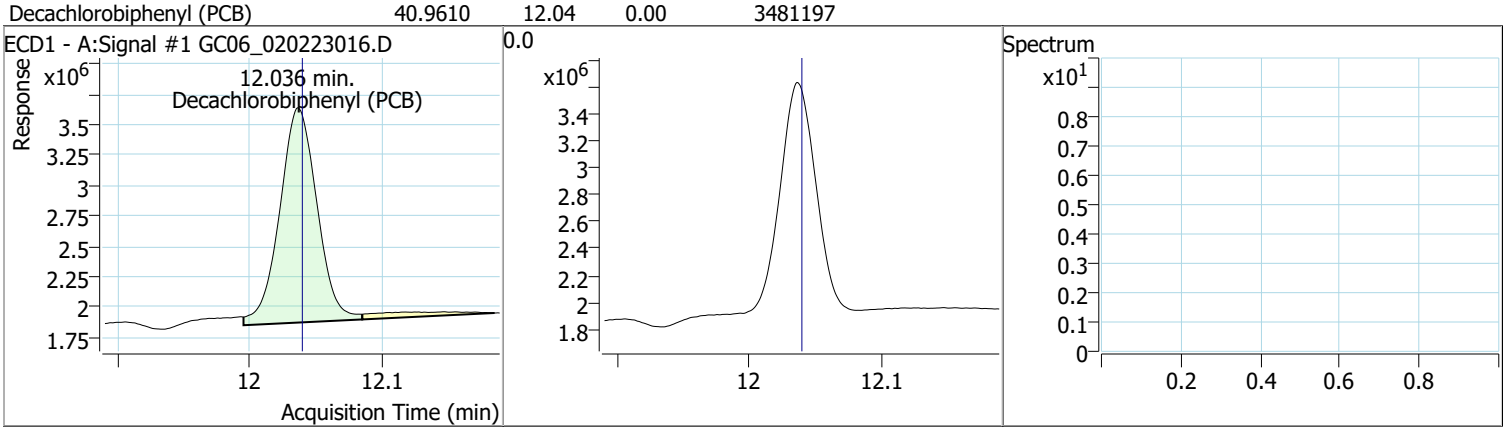
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	16.6327	11.08	0.00	242937				



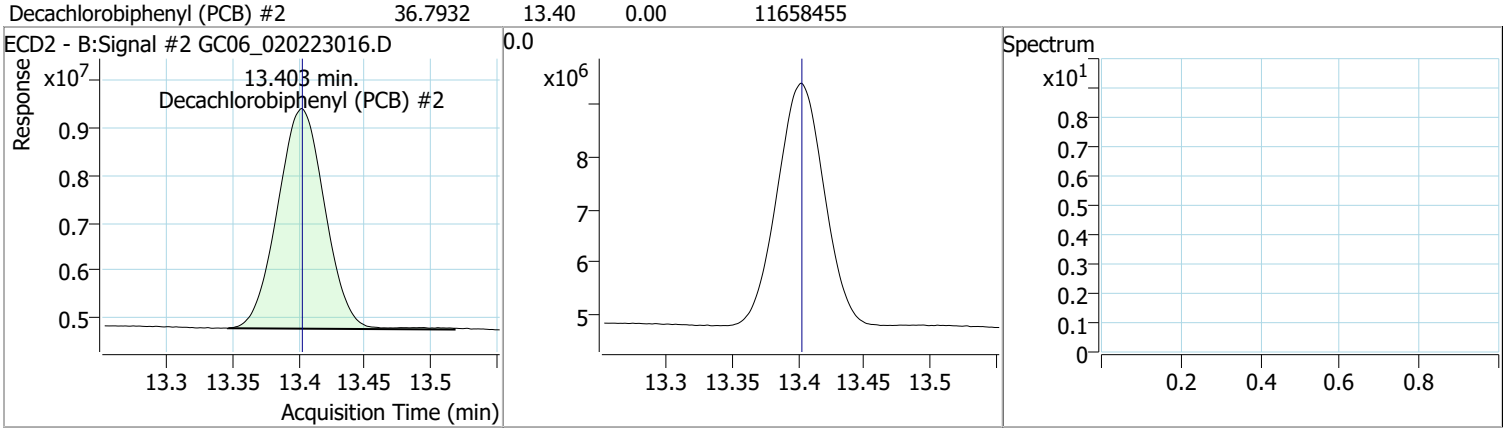
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.7445	11.74	-0.01	258532				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.9610	12.04	0.00	3481197				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.7932	13.40	0.00	11658455				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 478361 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1042117		
Seqnum:	453048221011.1	Matrix:	Wipe		
File:	gc06_020223011	Batch:	306460	Time:	02-FEB-2023 16:15
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	35.43	ND	0.23	42%	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	9.371	ND	0.15	44%	0.50	u
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.13	0.5000	0.3613	72	19-121	u
Decachlorobiphenyl (PCB)	B	35.84	0.5000	0.3584	72	19-121	c+ u

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

ISTD (CCV gc06_020223004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8893310	8152983	-8.32
1-bromo-2-nitrobenzene (PCB)	A	1973814	1586228	-19.64

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

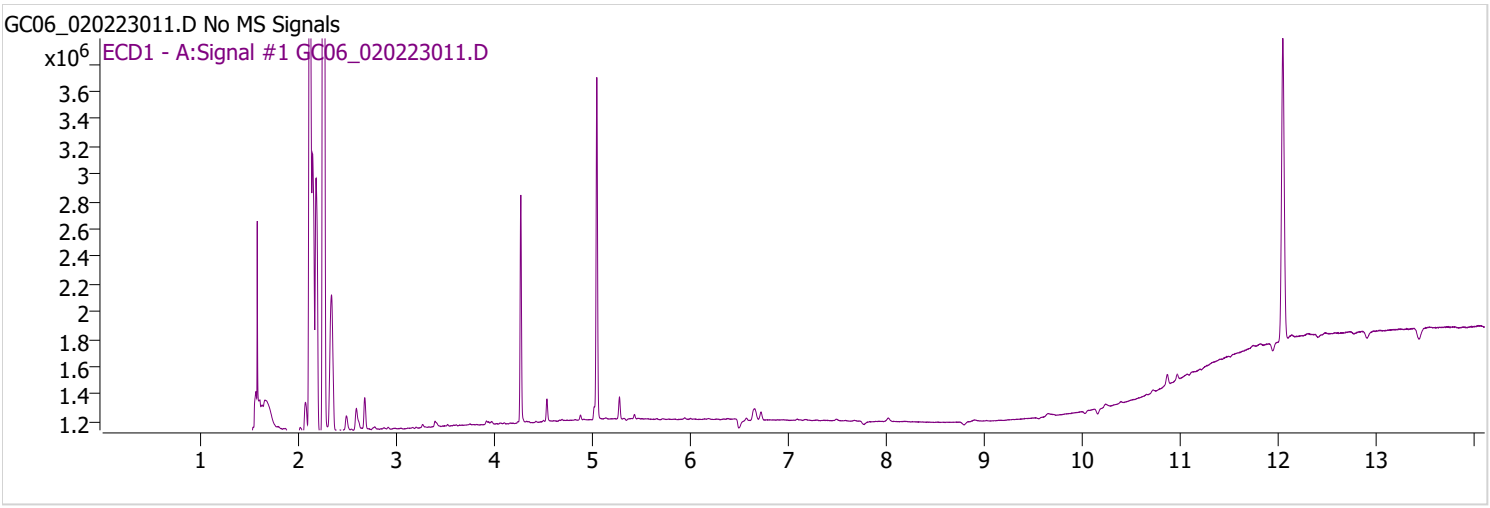
ISTD (CCV gc06_020223004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.50	4.50	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.26	4.27	0.01

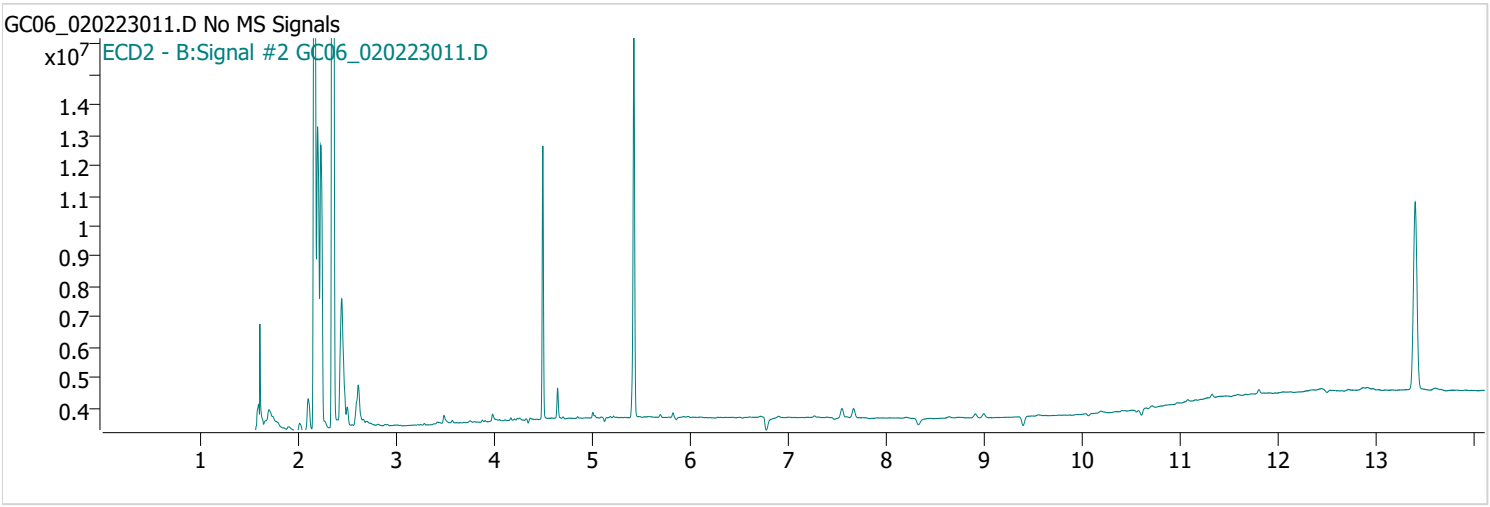
+=high bias c=CCV u=use

Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020223011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 4:15:54 PM
Sample Name	QC1042117, 306460, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



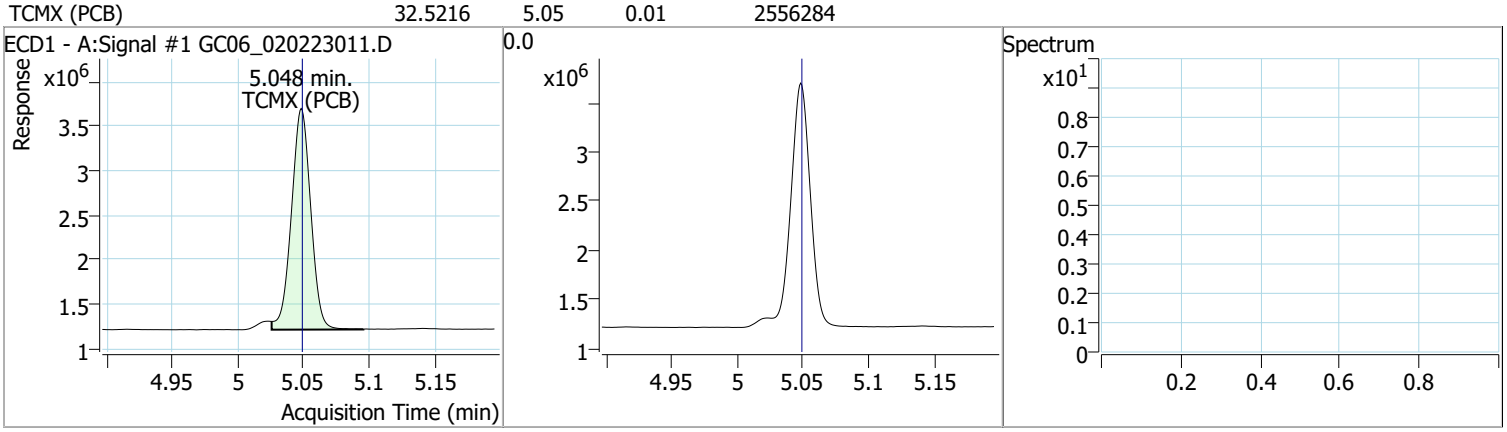


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.272	0.0	1586228.352	20.0000	ng/ml		0.009
M 1-bromo-2-nitrobenzene (PCB) #2	4.497	0.0	8152982.764	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.048	0.0	2556283.739	32.5216	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.61%		*	
S TCMX (PCB) #2	5.427	0.0	14245917.464	36.1320	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.66%		*	
S Decachlorobiphenyl (PCB)	12.057	0.0	4391903.539	39.7346	ng/ml		0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.67%		*	
S Decachlorobiphenyl (PCB) #2	13.408	0.0	15860624.014	35.8371	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.19%		*	
Target Compounds							QValue

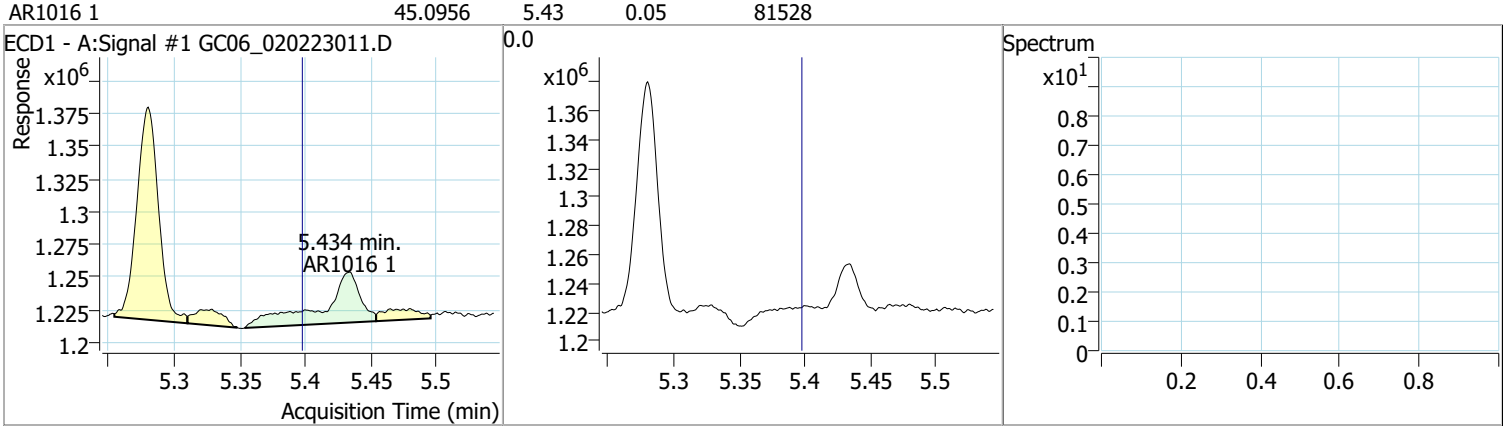
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.434	0.0	81528.495	45.0956	ng/ml	100
T AR1016 2	5.723	0.0	15401.475	0.0000	ng/ml	100
T AR1016 1 #2	5.984	0.0	473326.999	52.5569	ng/ml	100
T AR1016 3	6.187	0.0	15145.701	3.3459	ng/ml	100
T AR1016 4	6.344	0.0	7205.899	2.4957	ng/ml	100
T AR1016 2 #2	6.367	0.0	52944.134	4.0766	ng/ml	100
T AR1016 5	6.458	0.0	133736.559	70.5451	ng/ml	100
T AR1016 3 #2	6.906	0.0	2669999.442	116.7710	ng/ml	100
T AR1016 4 #2	7.094	0.0	1868.615	0.1120	ng/ml	100
T AR1016 5 #2	7.791	0.0	48367.455	3.6164	ng/ml	100
T AR1260 1	8.738	0.0	96669.737	16.4624	ng/ml	100
T AR1260 2	9.251	0.0	1434.081	0.1789	ng/ml	100
T AR1260 3	9.662	0.0	117206.965	12.8419	ng/ml	100
T AR1260 1 #2	10.040	0.0	323212.031	12.7094	ng/ml	100
T AR1260 4	10.132	0.0	164749.814	34.2850	ng/ml	100
T AR1260 2 #2	10.199	0.0	277614.708	0.0000	ng/ml	100
T AR1260 3 #2	10.722	0.0	1052696.722	28.3667	ng/ml	100
T AR1260 5	10.876	0.0	102390.906	9.8327	ng/ml	100
T AR1260 4 #2	11.085	0.0	170796.616	8.3721	ng/ml	100
T AR1260 5 #2	11.743	0.0	43501.420	1.2944	ng/ml	100

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

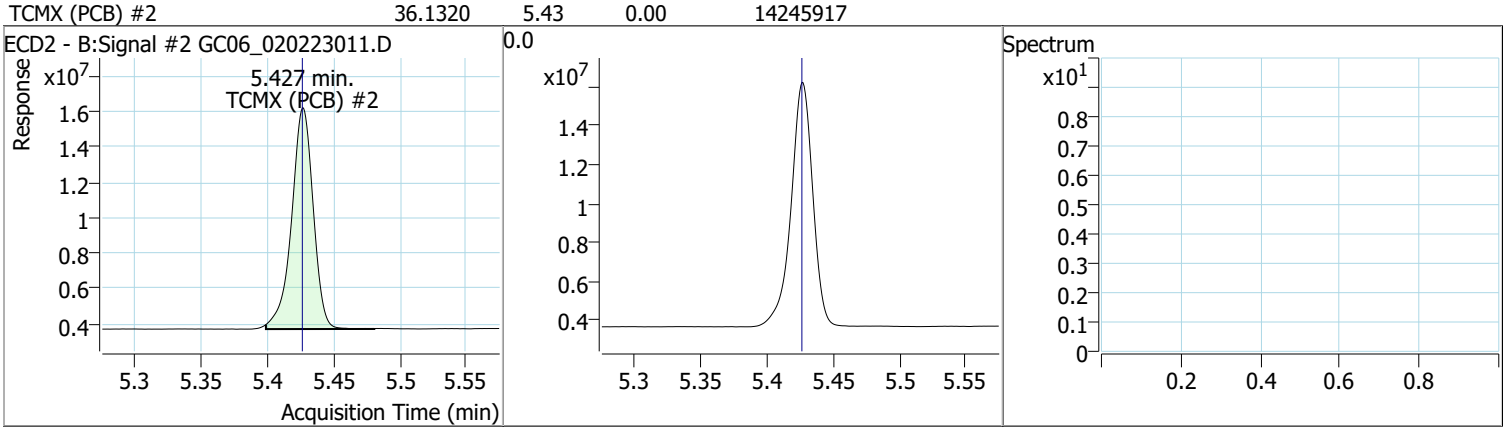
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.5216	5.05	0.01	2556284				



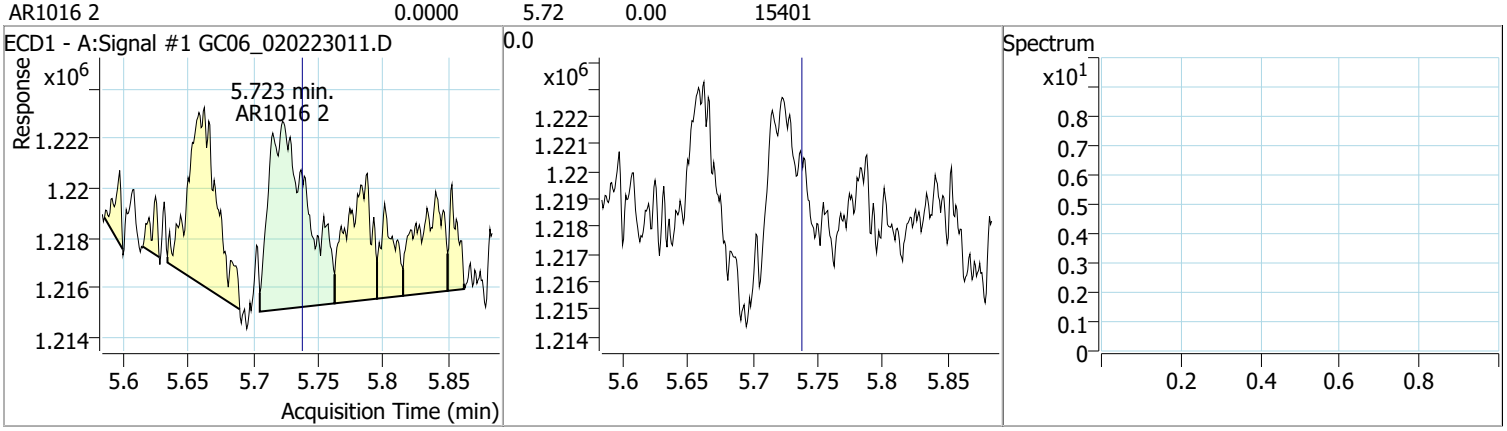
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	45.0956	5.43	0.05	81528				



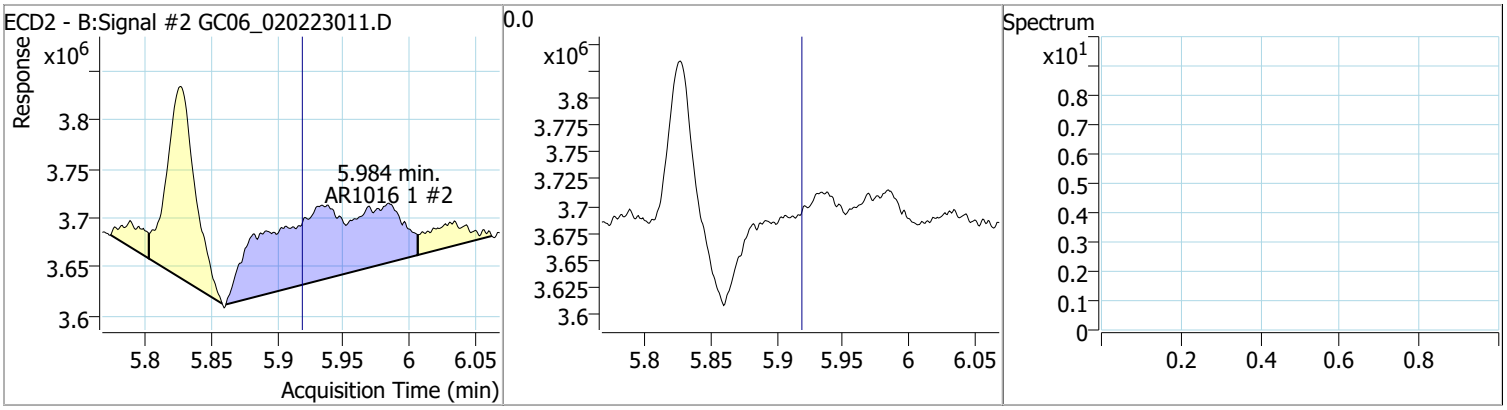
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.1320	5.43	0.00	14245917				



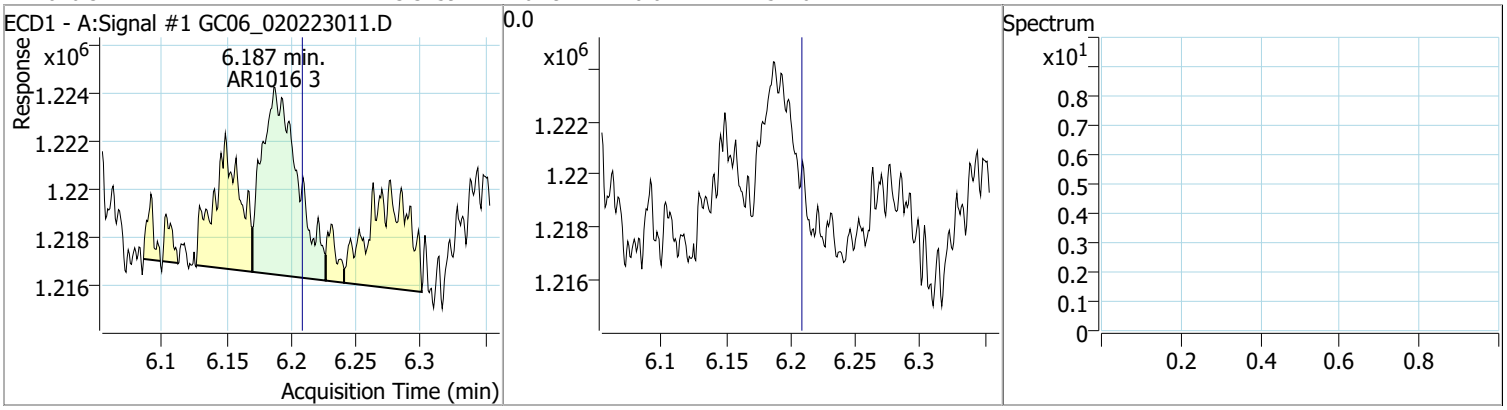
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.72	0.00	15401				



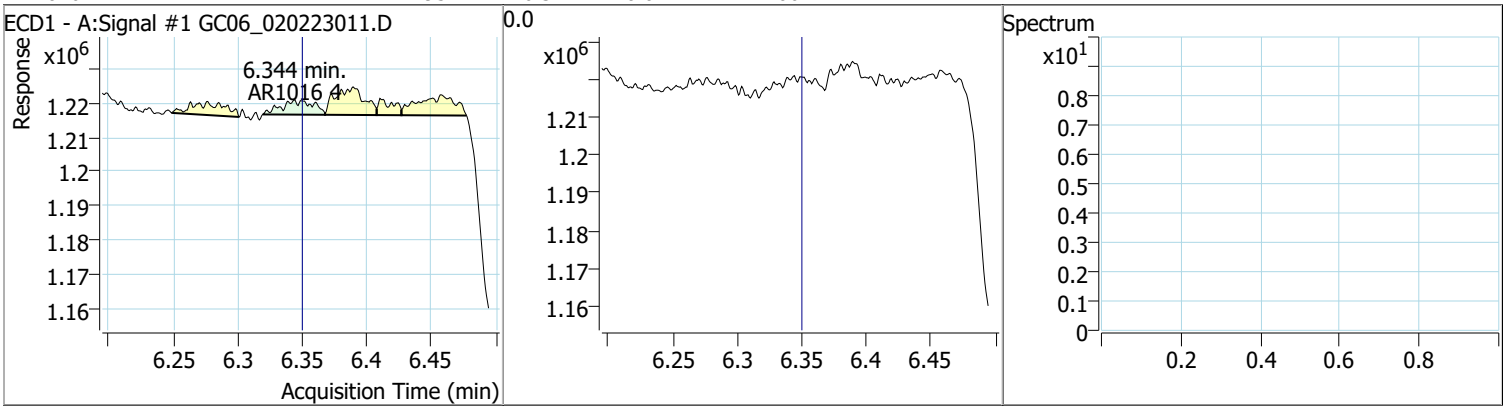
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	52.5569	5.98	0.07	473327				



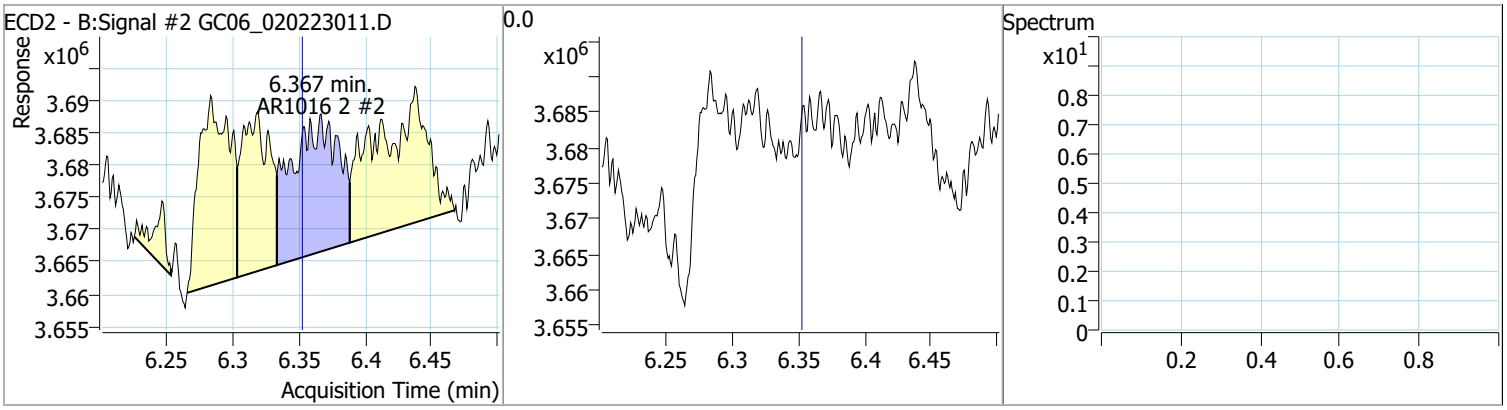
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	3.3459	6.19	-0.01	15146				



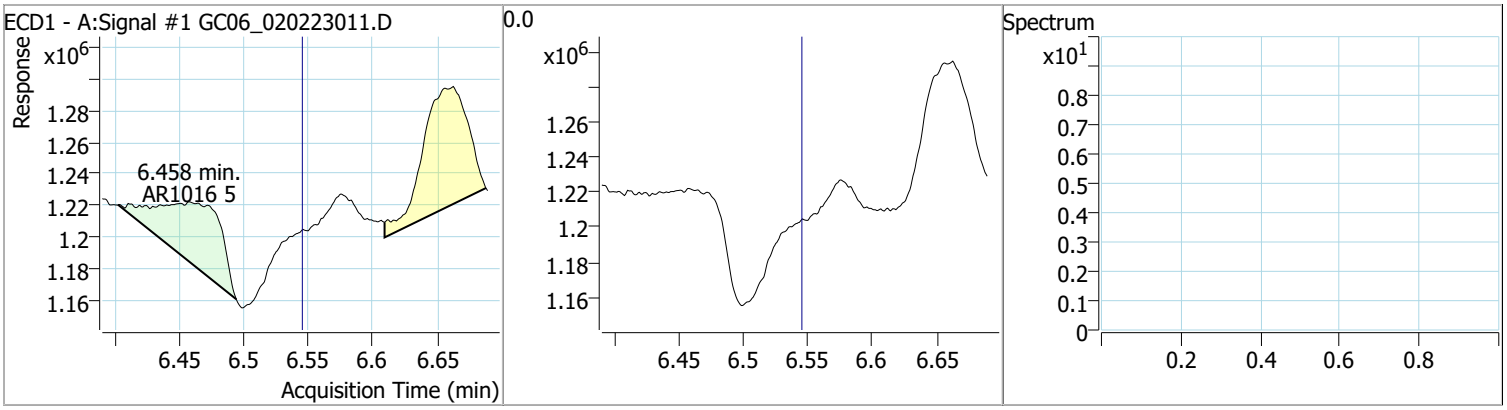
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.4957	6.34	0.01	7206				



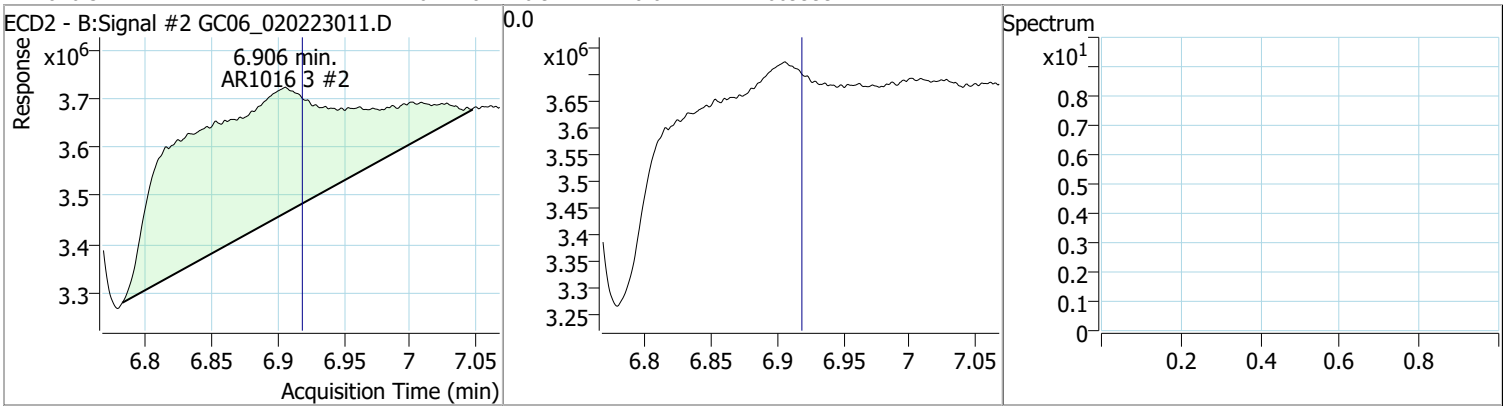
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.0766	6.37	0.01	52944				



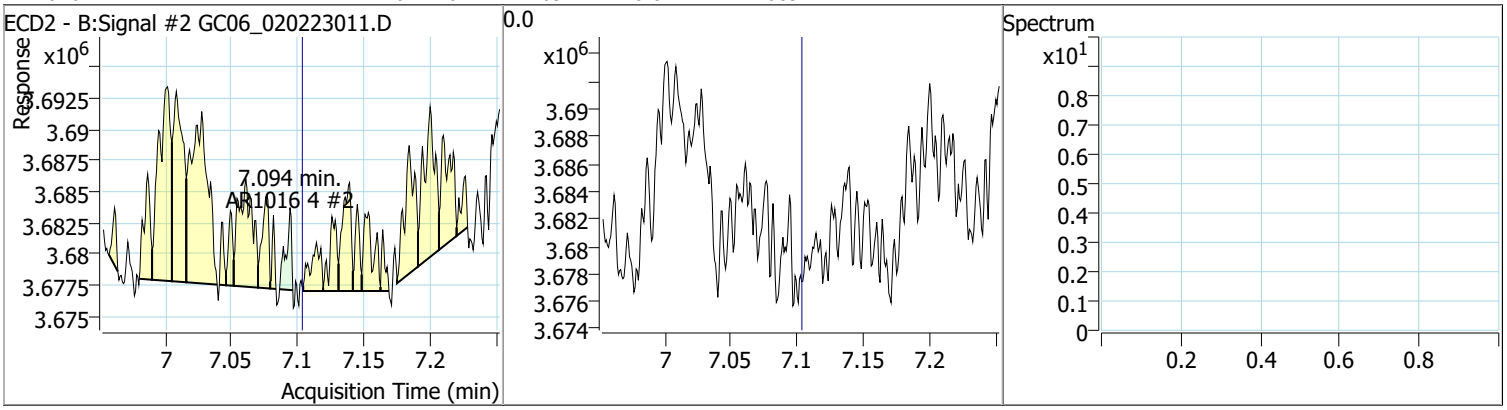
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	70.5451	6.46	-0.07	133737				



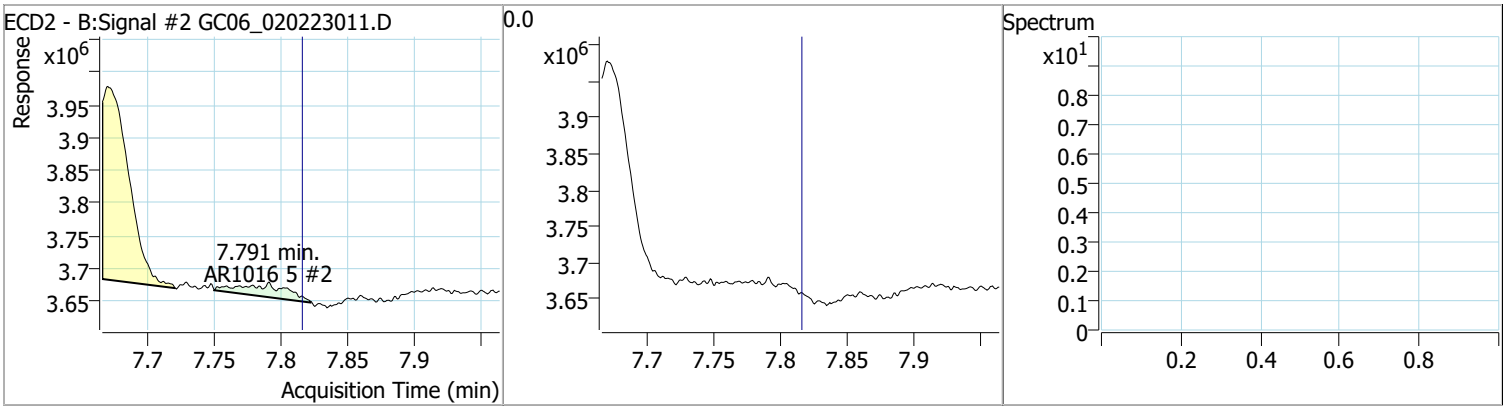
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	116.7710	6.91	-0.01	2669999				



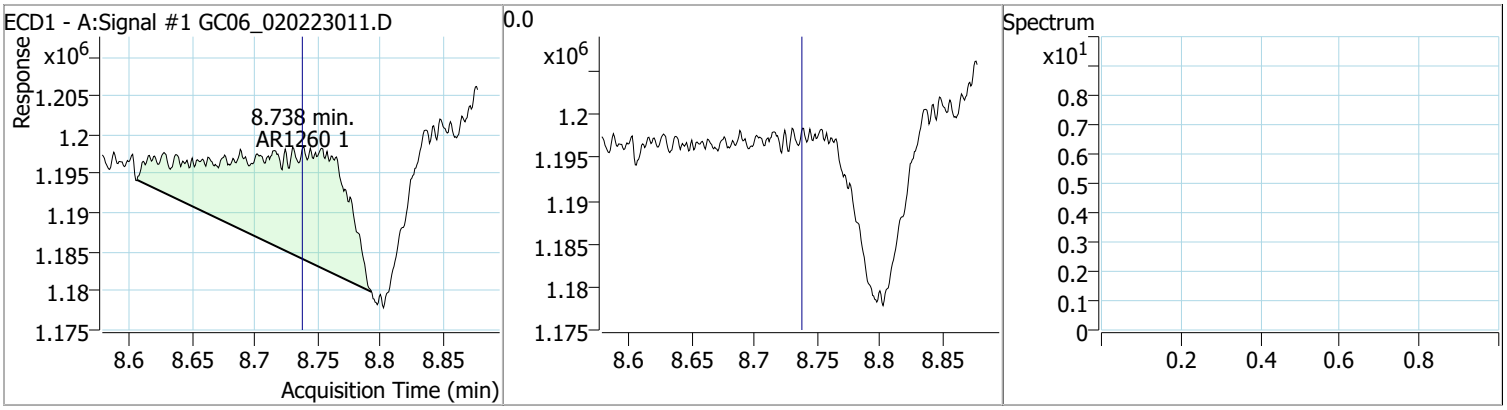
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1120	7.09	-0.01	1869				



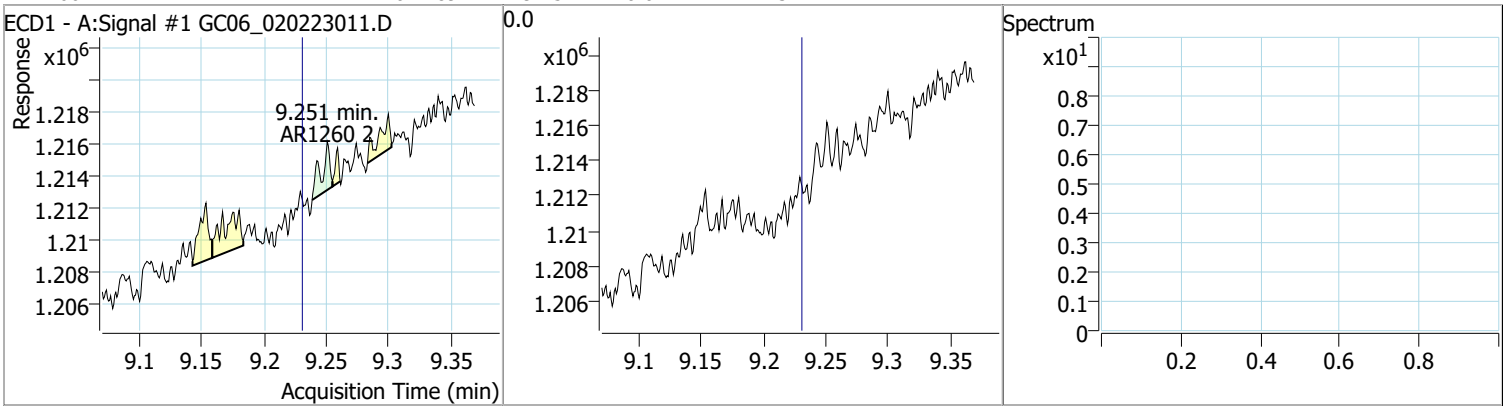
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.6164	7.79	-0.03	48367				



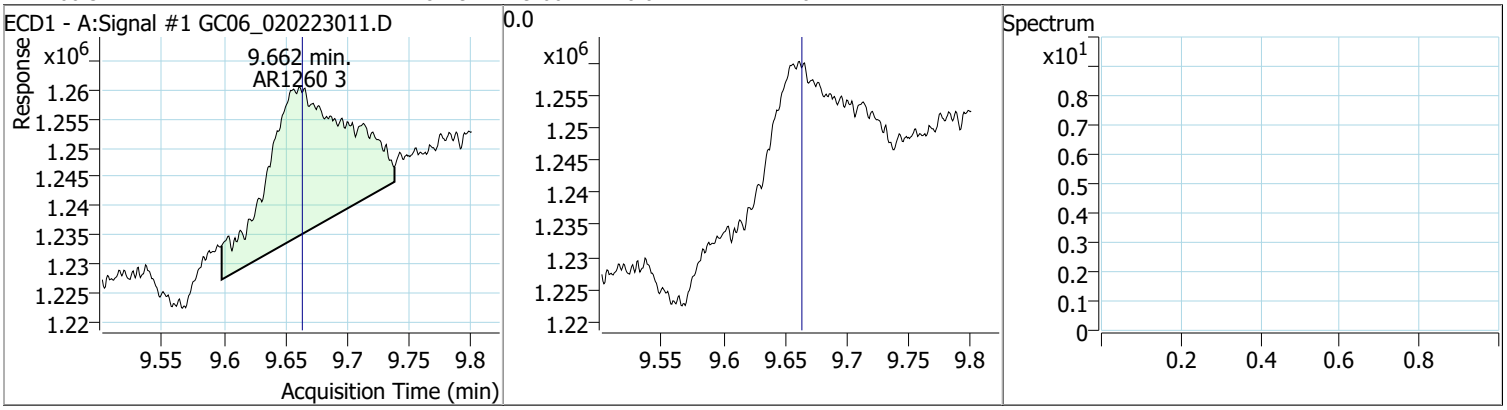
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	16.4624	8.74	0.02	96670				



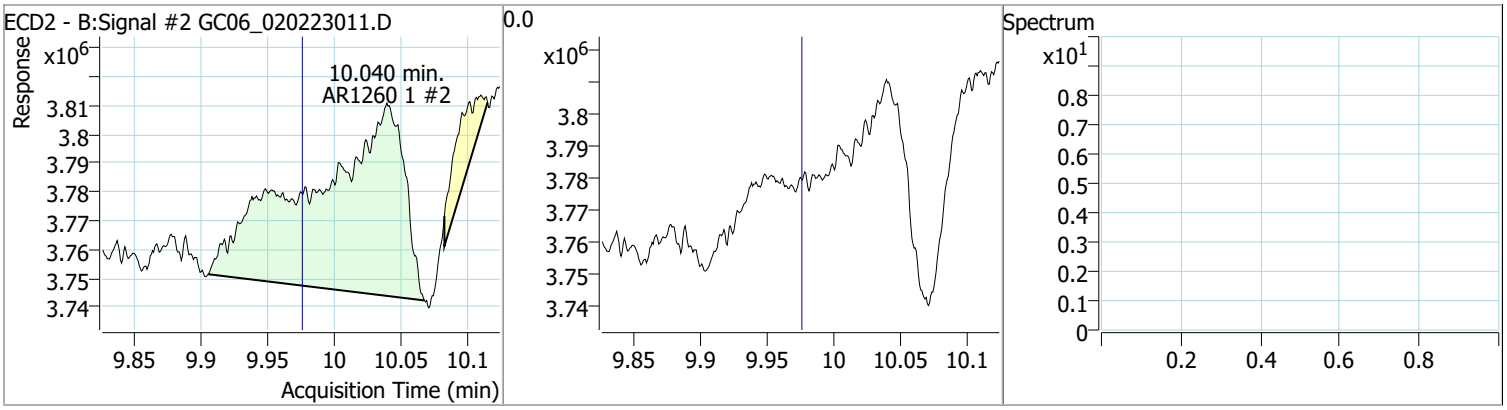
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1789	9.25	0.04	1434				



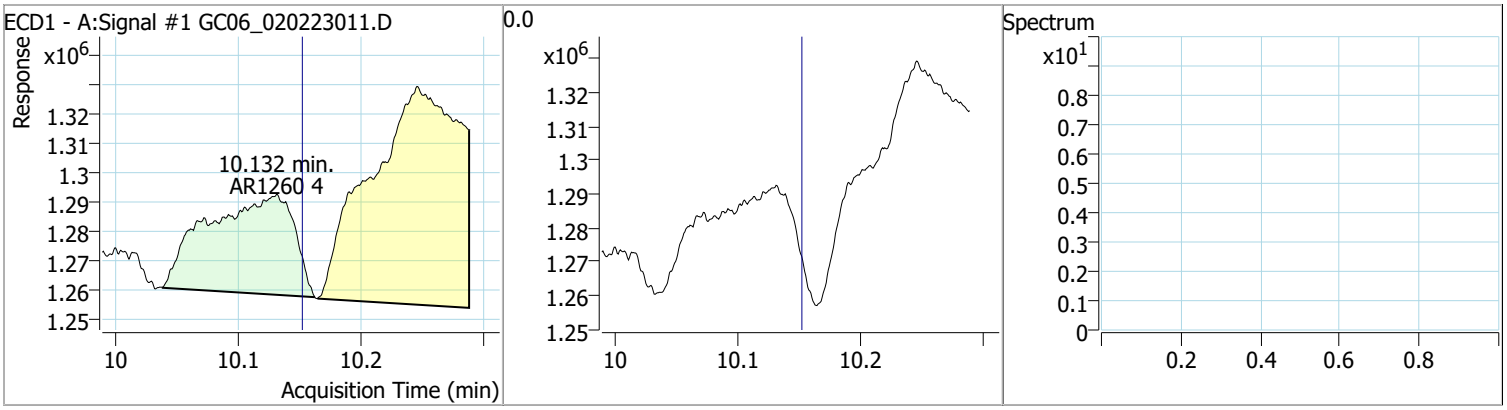
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.8419	9.66	0.02	117207				



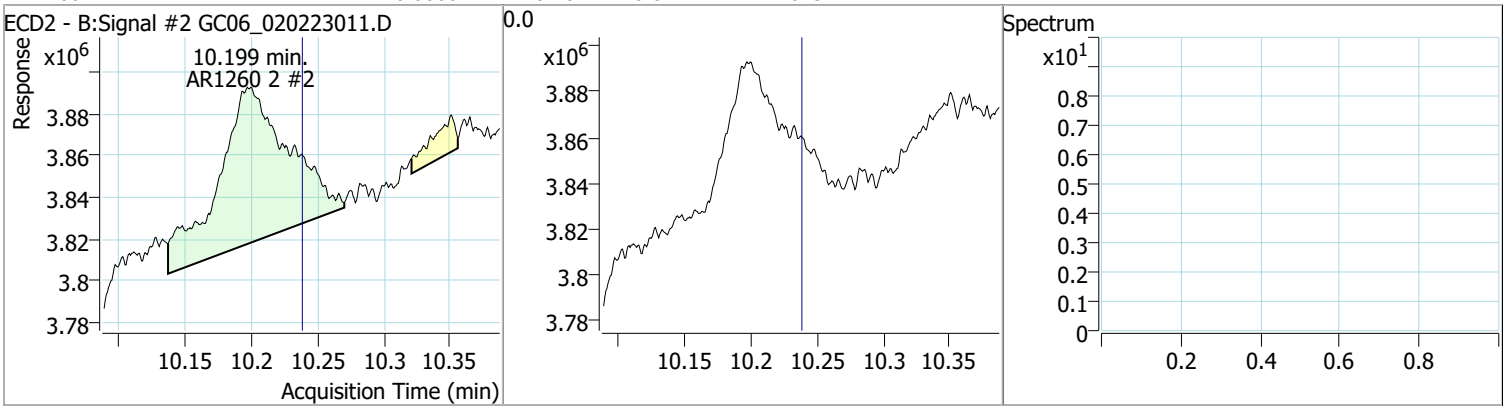
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	12.7094	10.04	0.06	323212				



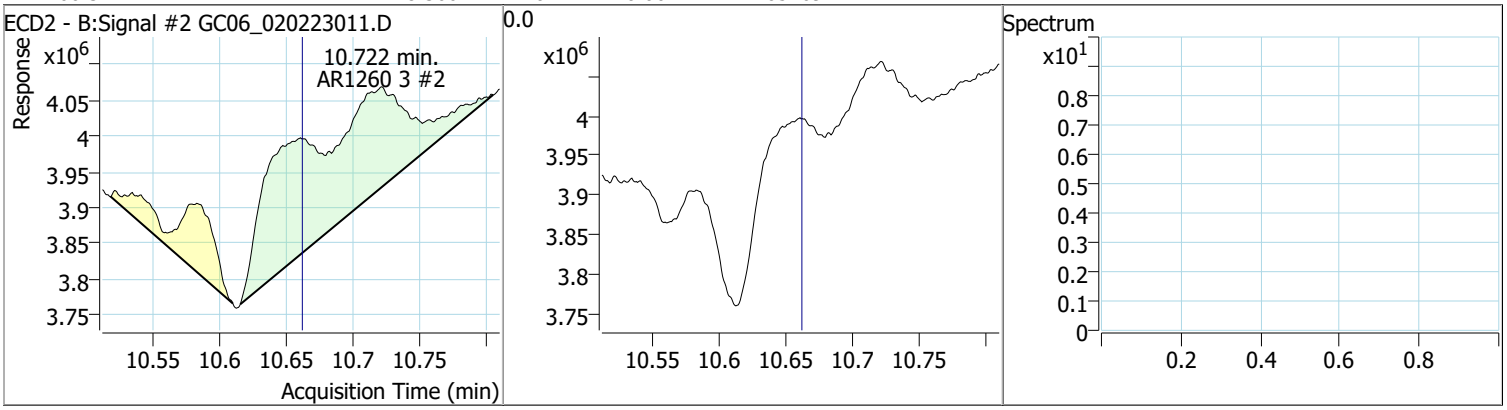
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.2850	10.13	0.00	164750				



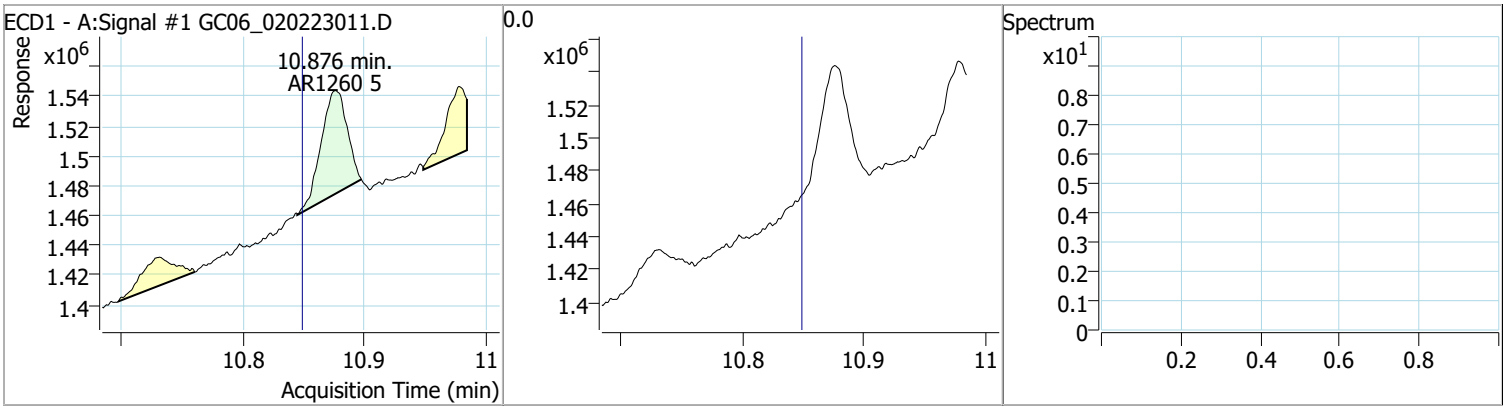
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.20	-0.04	277615				



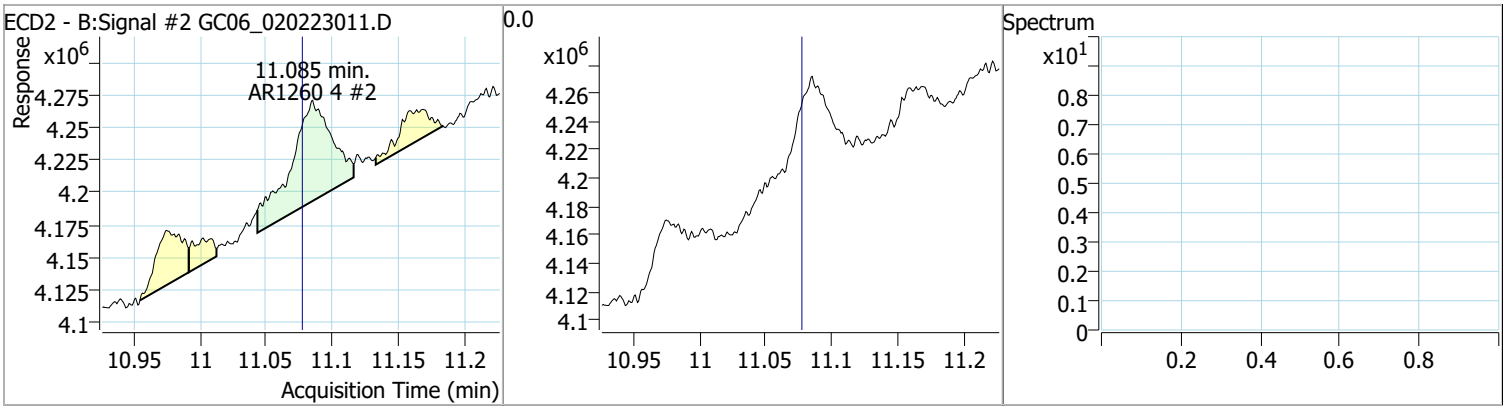
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	28.3667	10.72	0.06	1052697				



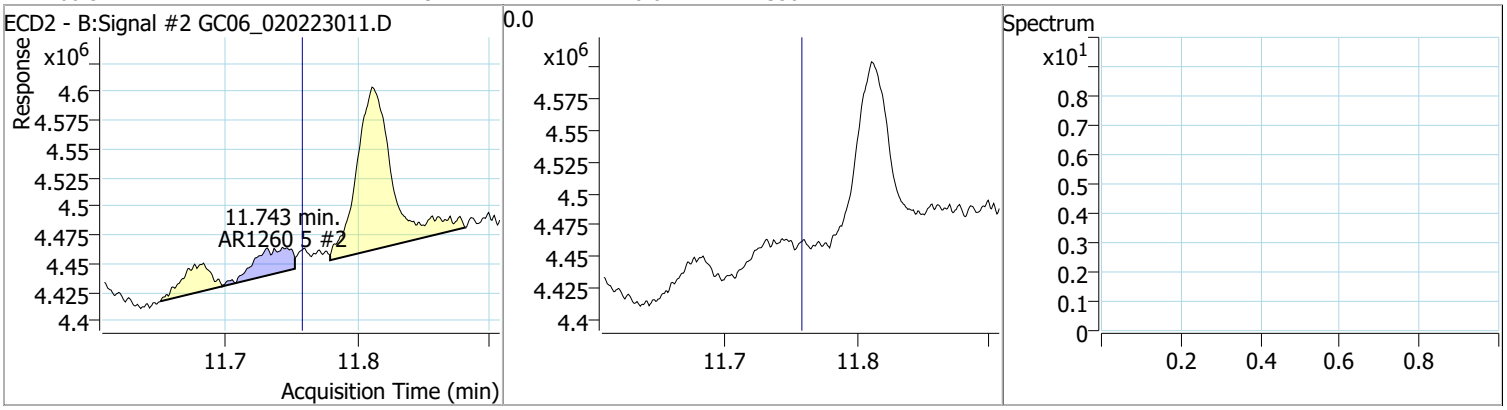
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.8327	10.88	0.05	102391				



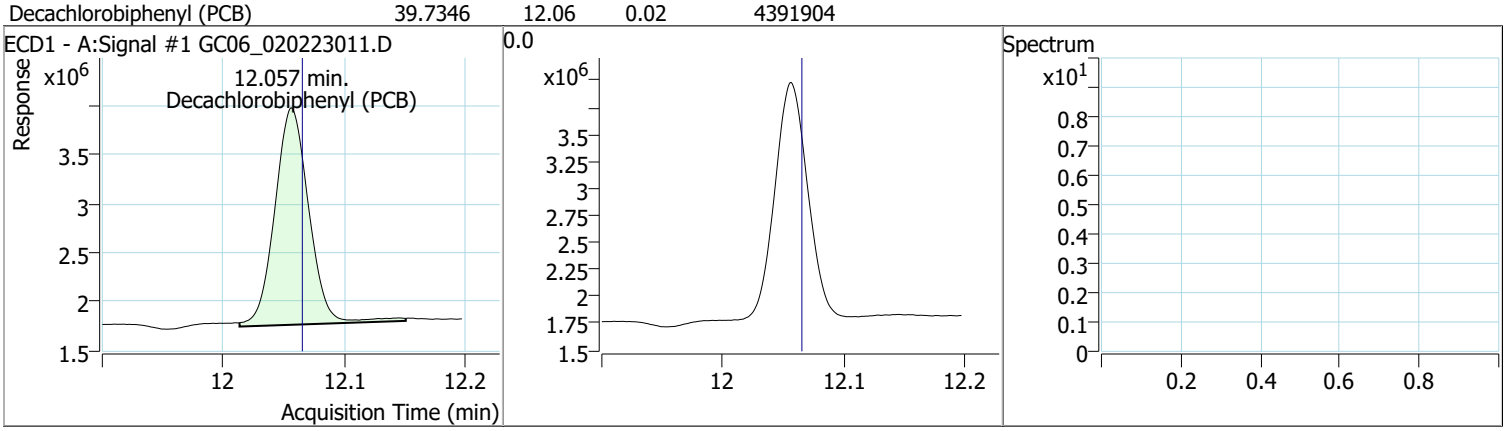
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.3721	11.09	0.01	170797				



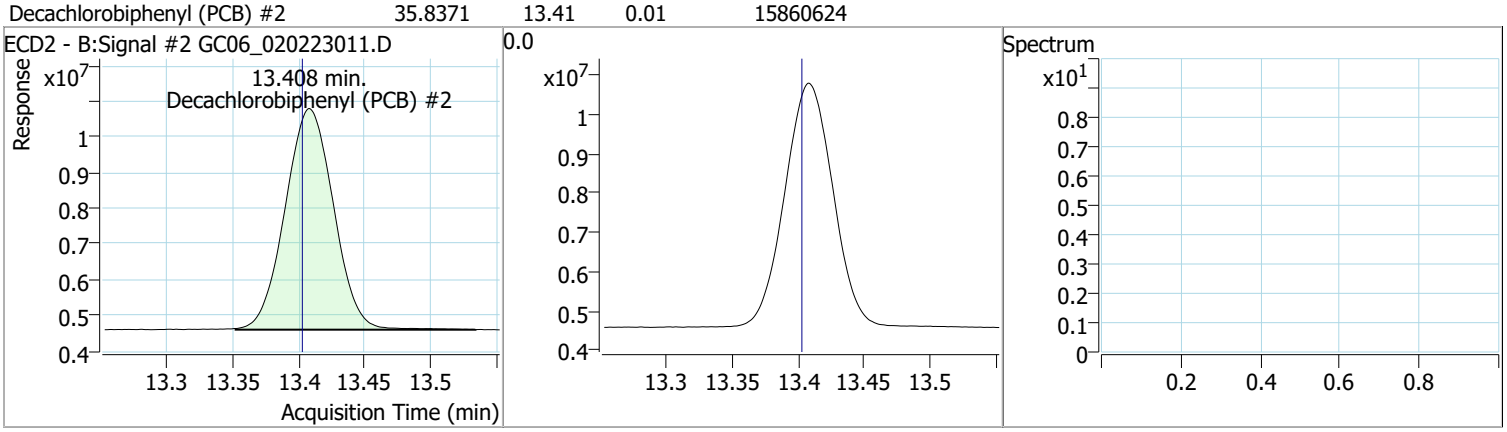
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1.2944	11.74	-0.01	43501				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.7346	12.06	0.02	4391904				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.8371	13.41	0.01	15860624				



ENTHALPY SPIKE USER REPORT FOR 478361 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	453048221012.1	Seqnum:	453048221013.1
File:	gc06_020223012	File:	gc06_020223013
IDF:	1.0	IDF:	1.0
Lab ID:	QC1042118	Lab ID:	QC1042119
Matrix:	Wipe	Matrix:	Wipe
Batch:	306460	Batch:	306460
Time:	02-FEB-2023 16:34	Time:	02-FEB-2023 16:52
Cal:	453006691001	Cal:	453006691001
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	399.4	3.994	B	80	416.0	4.160	B	83	60-140	4	20	u
Aroclor-1016 Peak # 1		374.8	3.748	B		401.1	4.011	B					
Aroclor-1016 Peak # 2		396.3	3.963	B		412.8	4.128	B					
Aroclor-1016 Peak # 3		421.1	4.211	B		428.1	4.281	B					
Aroclor-1016 Peak # 4		393.7	3.937	B		411.9	4.119	B					
Aroclor-1016 Peak # 5		411.0	4.110	B		426.1	4.261	B					
Aroclor-1260	5.000	431.8	4.318	B	86	415.6	4.156	B	83	60-140	4	20	u
Aroclor-1260 Peak # 1		394.2	3.942	B		387.0	3.870	B					
Aroclor-1260 Peak # 2		468.9	4.689	B		455.9	4.559	B					
Aroclor-1260 Peak # 3		420.6	4.206	B		406.1	4.061	B					
Aroclor-1260 Peak # 4		457.6	4.576	B		427.8	4.278	B					
Aroclor-1260 Peak # 5		417.7	4.177	B		401.1	4.011	B					
Surrogates													
TCMX (PCB)	0.5000	39.37	0.3937	B	79	43.10	0.4310	B	86	19-121			u
Decachlorobiphenyl (PCB)	0.5000	44.12	0.4412	B	88	42.29	0.4229	B	85	19-121			c+ u

ISTD (CCV gc06_020223004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8893310	5932700	-33.29
1-bromo-2-nitrobenzene (PCB)	A	1973814	1219195	-38.23

ISTD (CCV gc06_020223004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.50	4.50	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.26	4.26	0.00

ISTD (CCV gc06_020223004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8893310	8122003	-8.67
1-bromo-2-nitrobenzene (PCB)	A	1973814	1680029	-14.88

ISTD (CCV gc06_020223004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.50	4.50	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.26	4.26	0.00

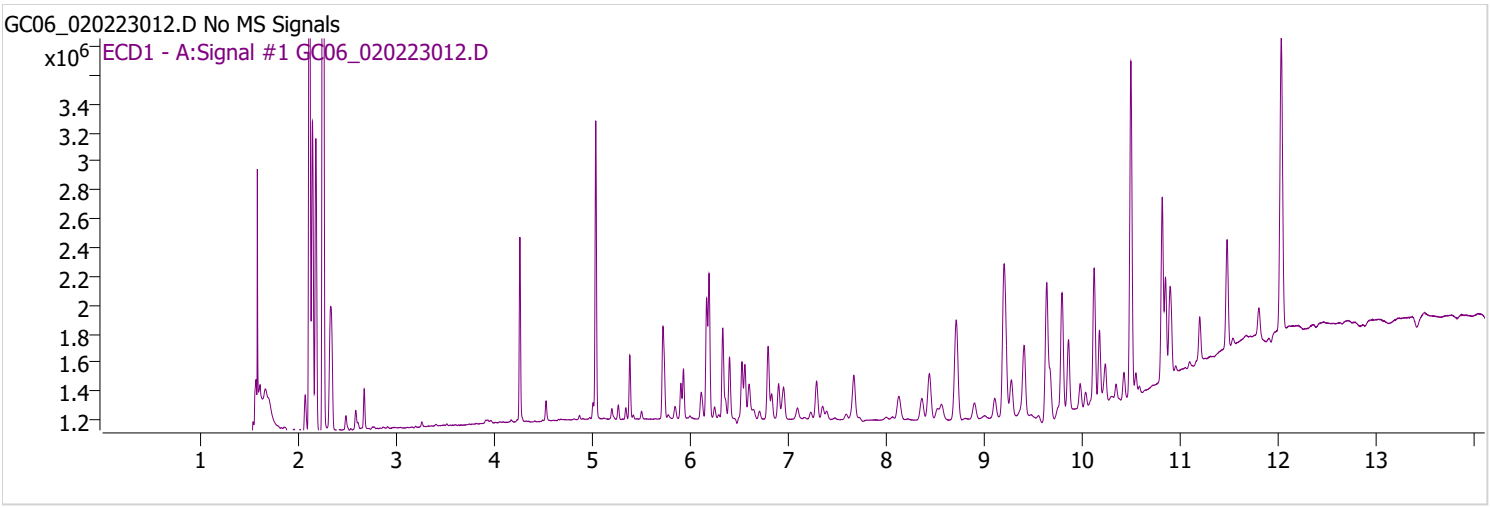
TRN 02/03/23 [Aroclor-1016 Peak # 2 B]: Separated from coeluting peak for Ch. B for spike & dup. [general version]

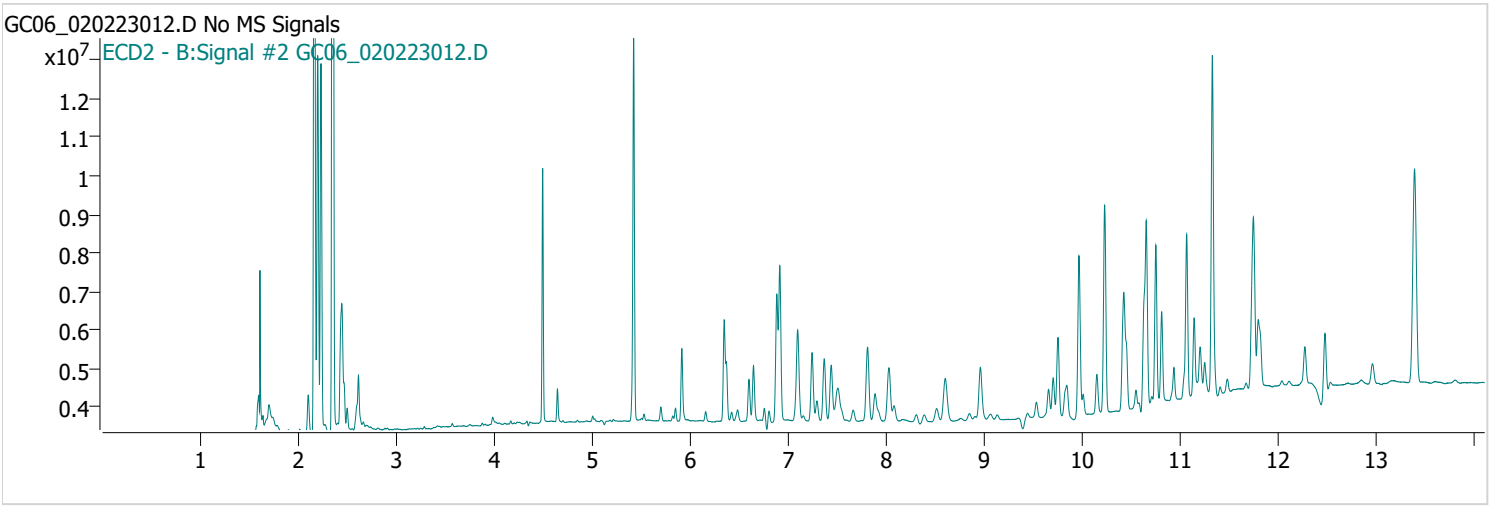
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Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020223012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 4:34:13 PM
Sample Name	QC1042118, 306460, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



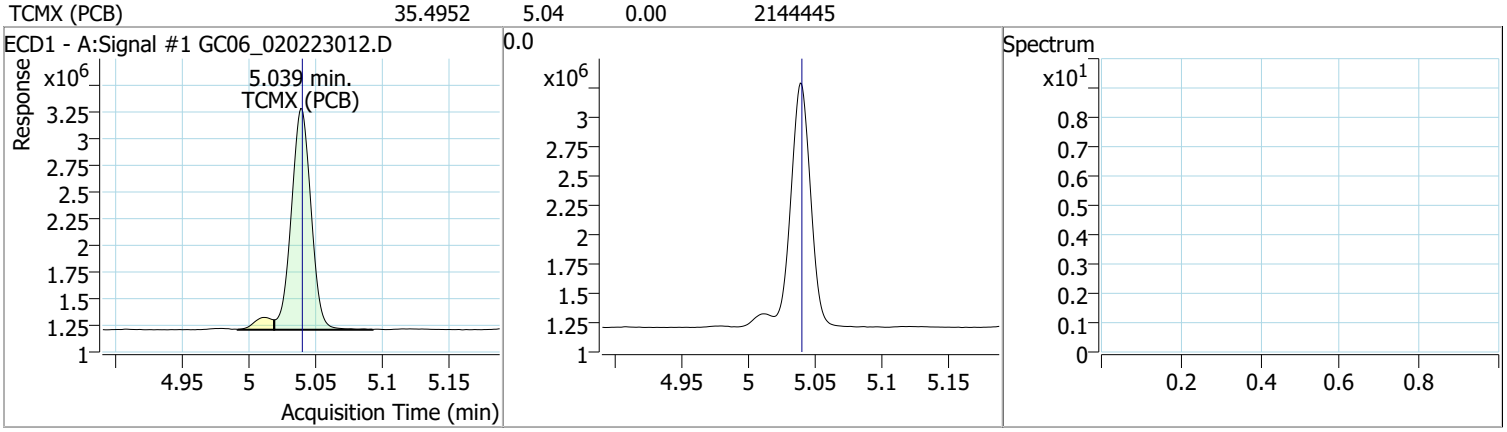


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.264	0.0	1219195.406	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.497	0.0	5932699.915	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.039	0.0	2144445.231	35.4952	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.48%		*	
S TCMX (PCB) #2	5.427	0.0	11295844.777	39.3717	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.86%		*	
S Decachlorobiphenyl (PCB)	12.043	0.0	4103993.884	48.3076	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 241.54%		*	
S Decachlorobiphenyl (PCB) #2	13.405	0.0	14209385.481	44.1217	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.61%		*	
Target Compounds							QValue

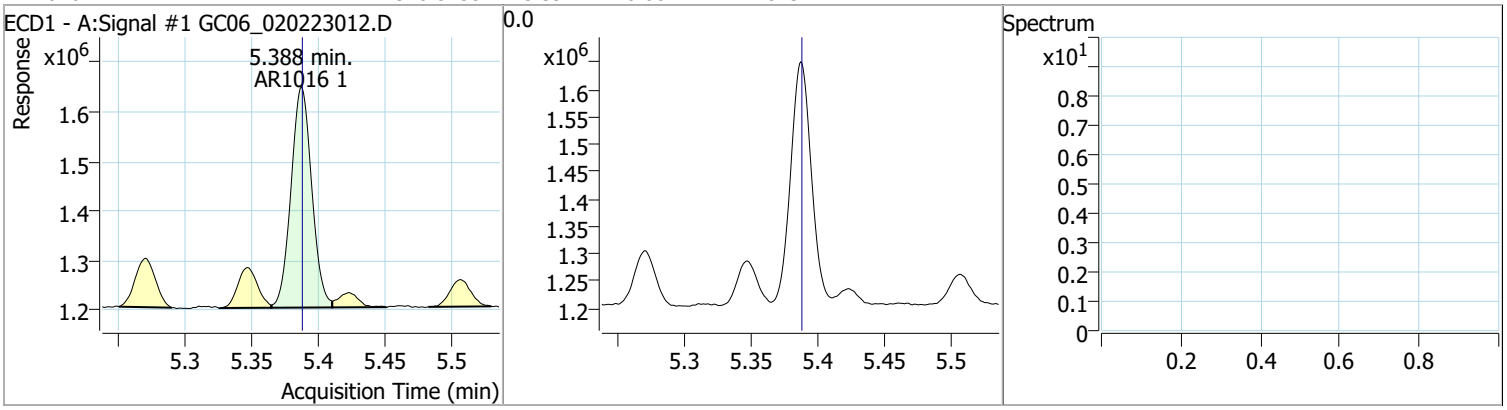
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.388	0.0	484372.390	348.5755	ng/ml		100
T AR1016 2	5.727	0.0	1076695.354	407.8330	ng/ml		100
T AR1016 1 #2	5.919	0.0	2456301.350	374.8130	ng/ml		100
T AR1016 3	6.197	0.0	1309894.764	376.4866	ng/ml		100
T AR1016 4	6.338	0.0	1071340.208	482.7447	ng/ml		100
T AR1016 2 #2	6.352	0.0	3745220.800	396.3002	ng/ml	m	100
T AR1016 5	6.533	0.0	635346.885	436.0338	ng/ml		100
T AR1016 3 #2	6.919	0.0	7007061.183	421.1374	ng/ml		100
T AR1016 4 #2	7.103	0.0	4780711.906	393.7439	ng/ml		100
T AR1016 5 #2	7.817	0.0	3999924.879	411.0004	ng/ml		100
T AR1260 1	8.722	0.0	1699068.608	376.4490	ng/ml		100
T AR1260 2	9.213	0.0	2731211.817	443.2348	ng/ml		100
T AR1260 3	9.648	0.0	2189829.907	312.1602	ng/ml		100
T AR1260 1 #2	9.976	0.0	7294203.182	394.1650	ng/ml		100
T AR1260 4	10.132	0.0	1667901.291	451.5875	ng/ml		100
T AR1260 2 #2	10.238	0.0	8983980.163	468.9384	ng/ml		100
T AR1260 3 #2	10.663	0.0	11357262.260	420.5748	ng/ml		100
T AR1260 5	10.828	0.0	1991449.290	248.8124	ng/ml		100
T AR1260 4 #2	11.077	0.0	6792813.181	457.5797	ng/ml		100
T AR1260 5 #2	11.758	0.0	10216114.530	417.7424	ng/ml		100

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

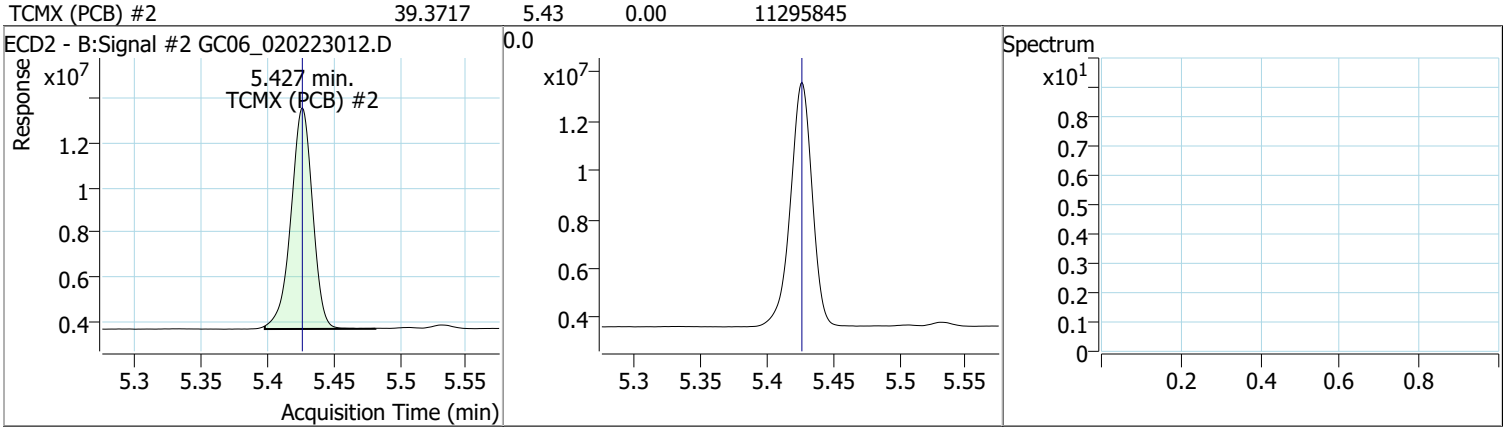
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.4952	5.04	0.00	2144445				



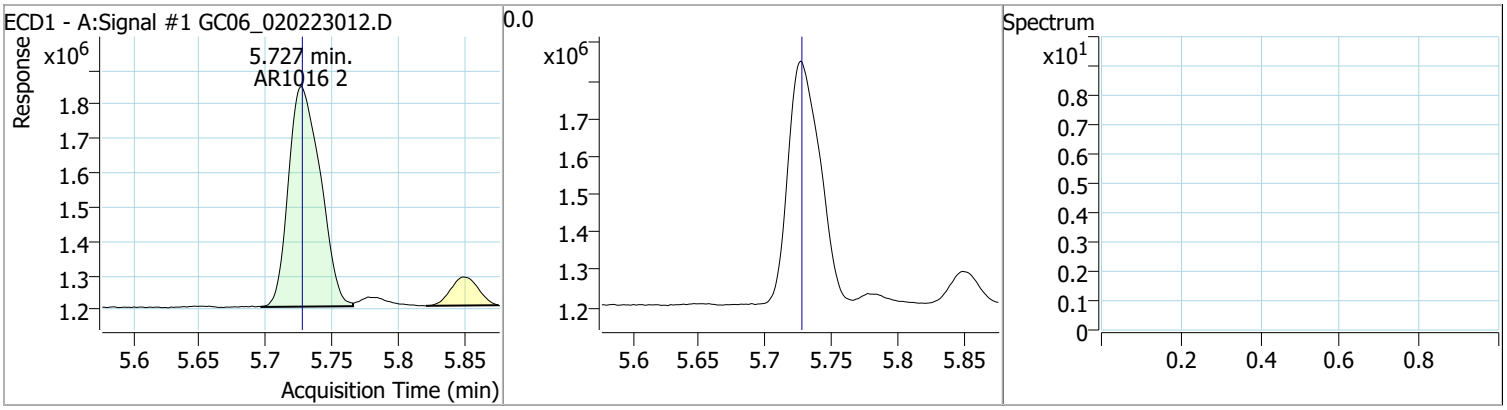
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	348.5755	5.39	0.00	484372				



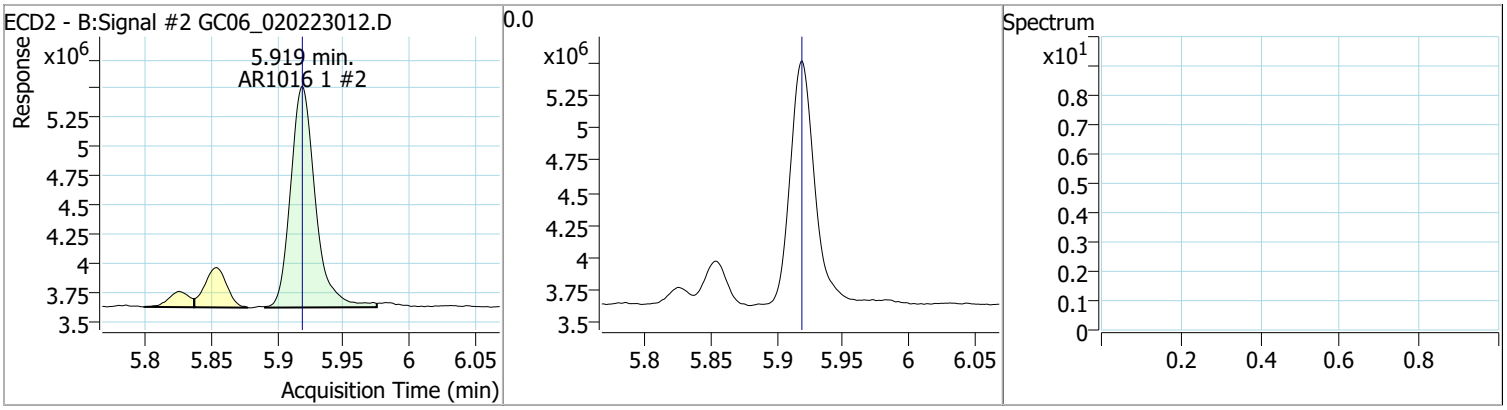
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3717	5.43	0.00	11295845				



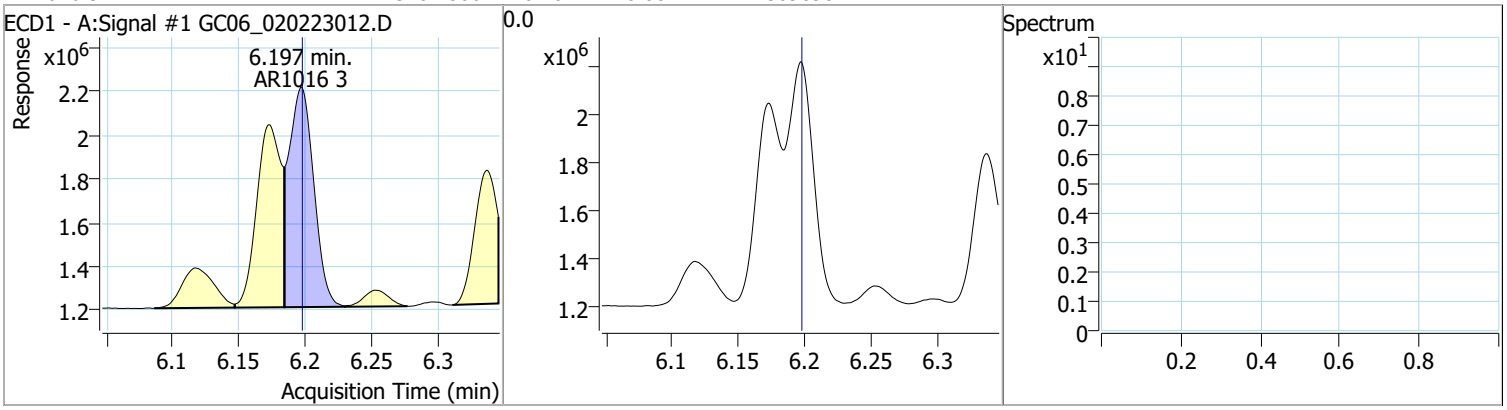
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	407.8330	5.73	0.00	1076695				



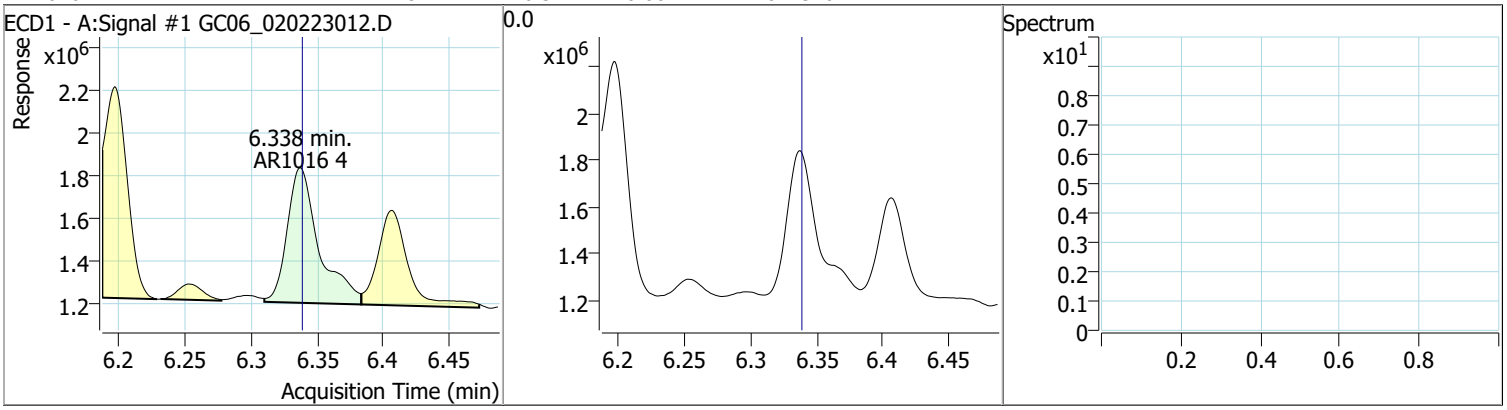
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	374.8130	5.92	0.00	2456301				



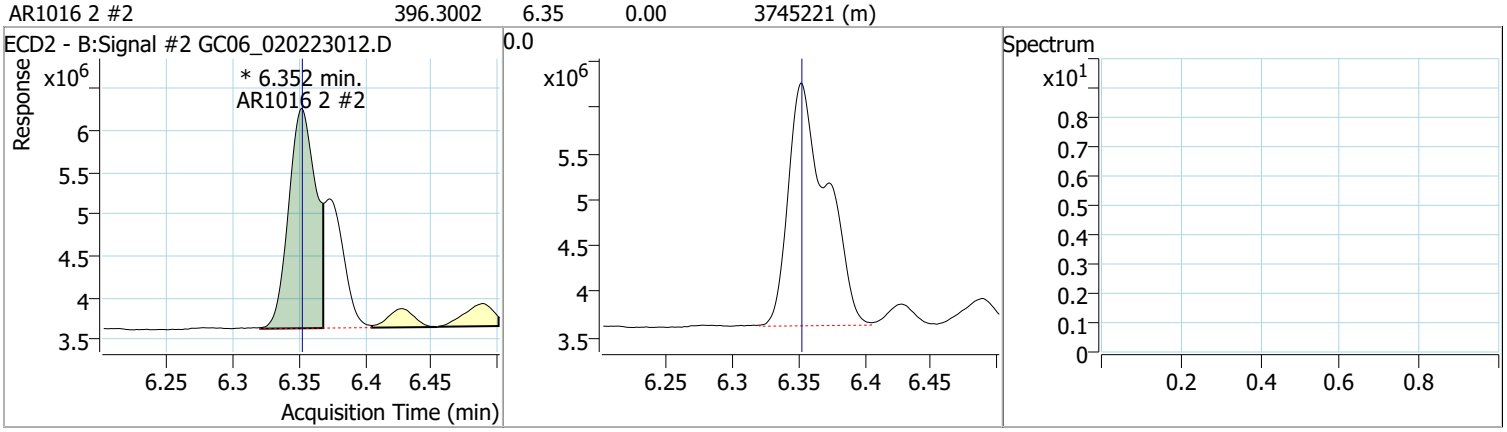
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	376.4866	6.20	0.00	1309895				



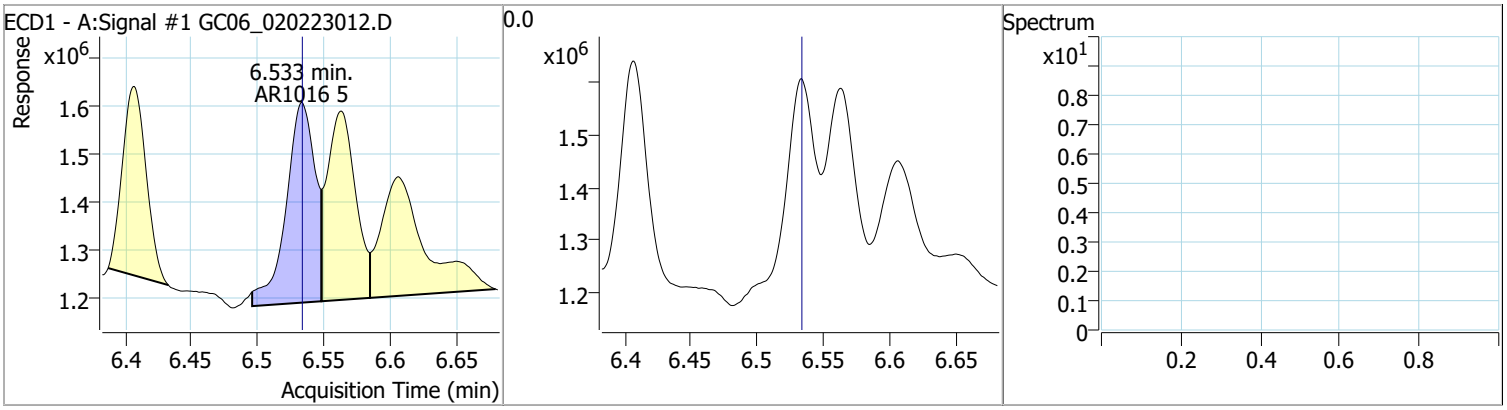
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	482.7447	6.34	0.00	1071340				



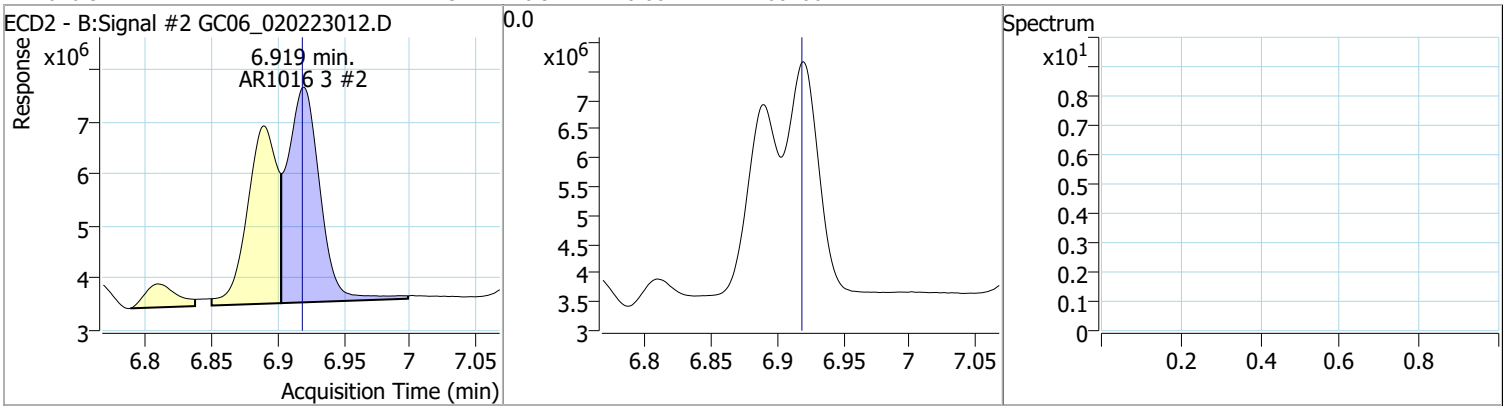
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	396.3002	6.35	0.00	3745221 (m)				



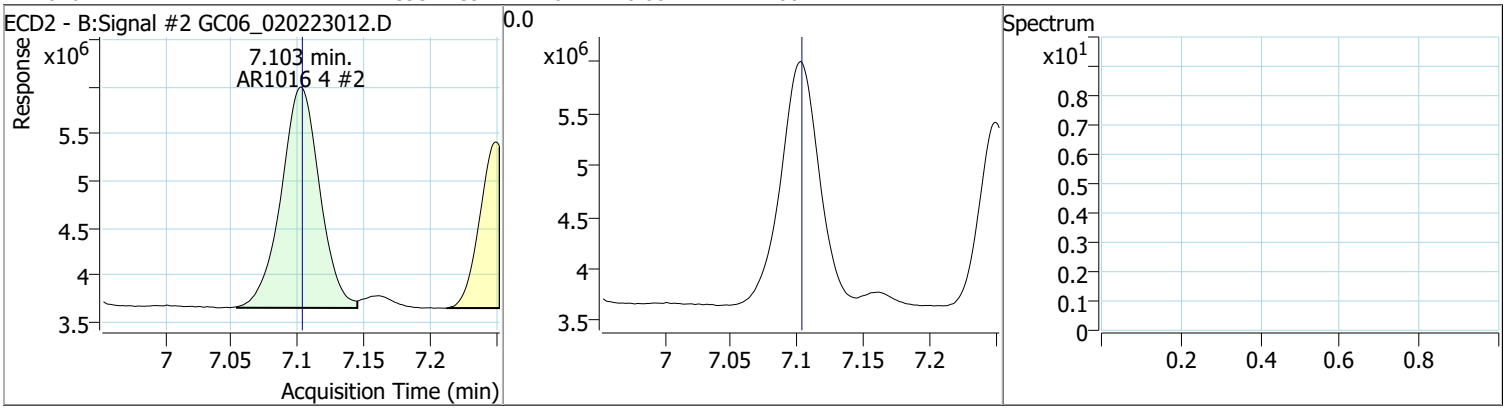
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	436.0338	6.53	0.00	635347				



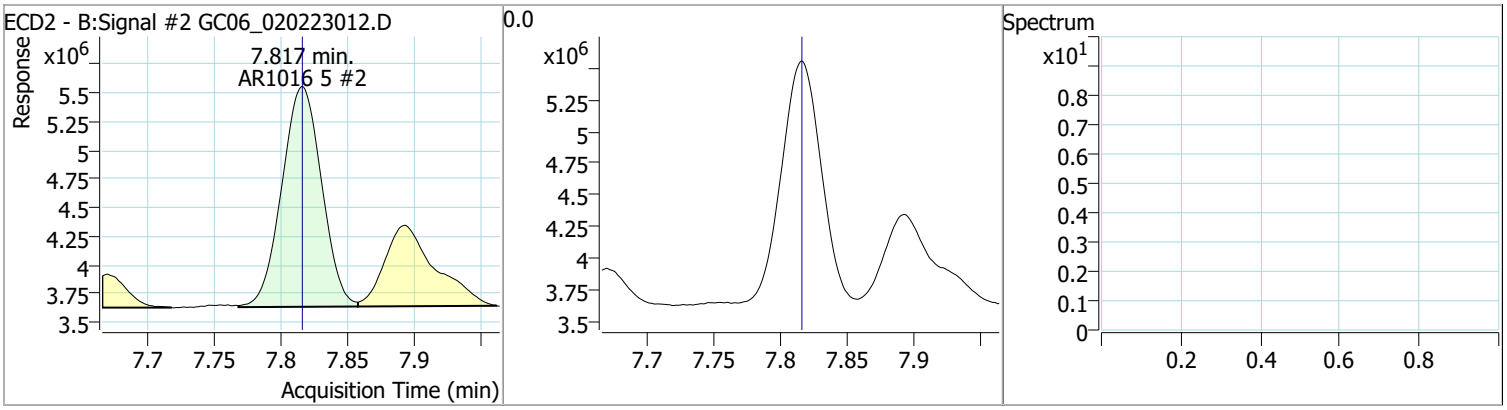
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	421.1374	6.92	0.00	7007061				



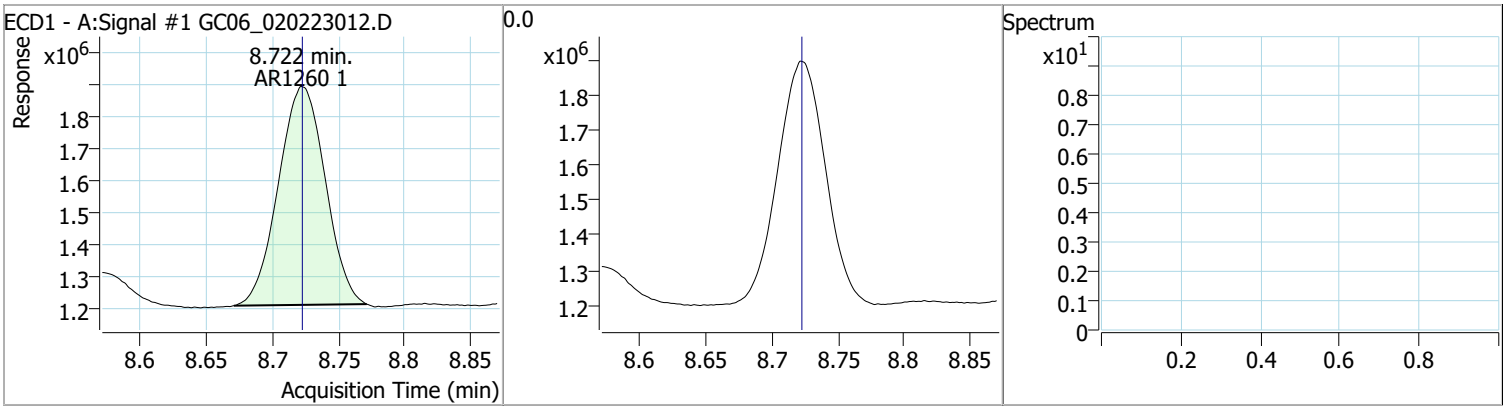
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	393.7439	7.10	0.00	4780712				



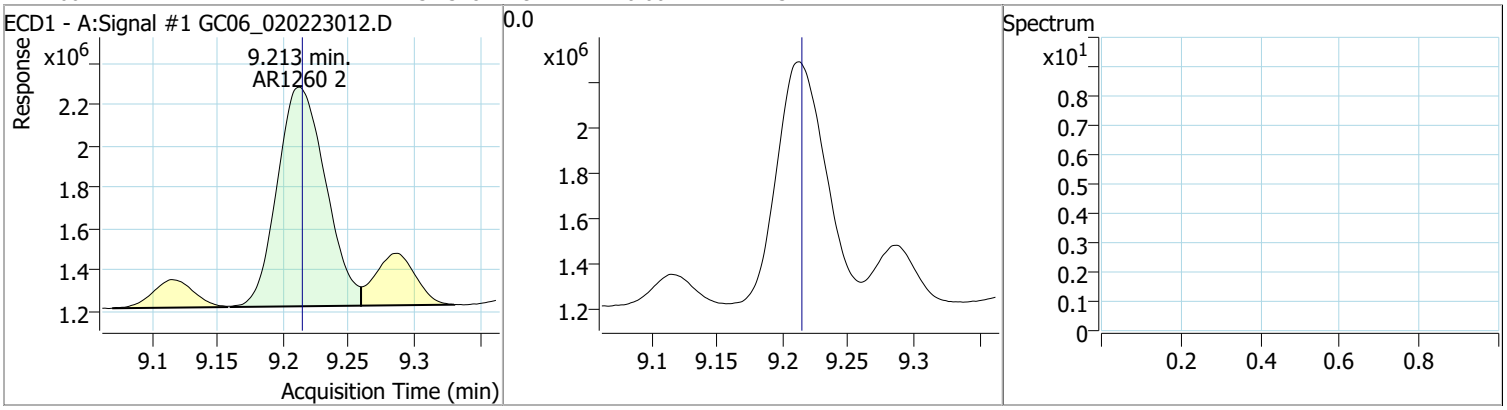
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	411.0004	7.82	0.00	3999925				



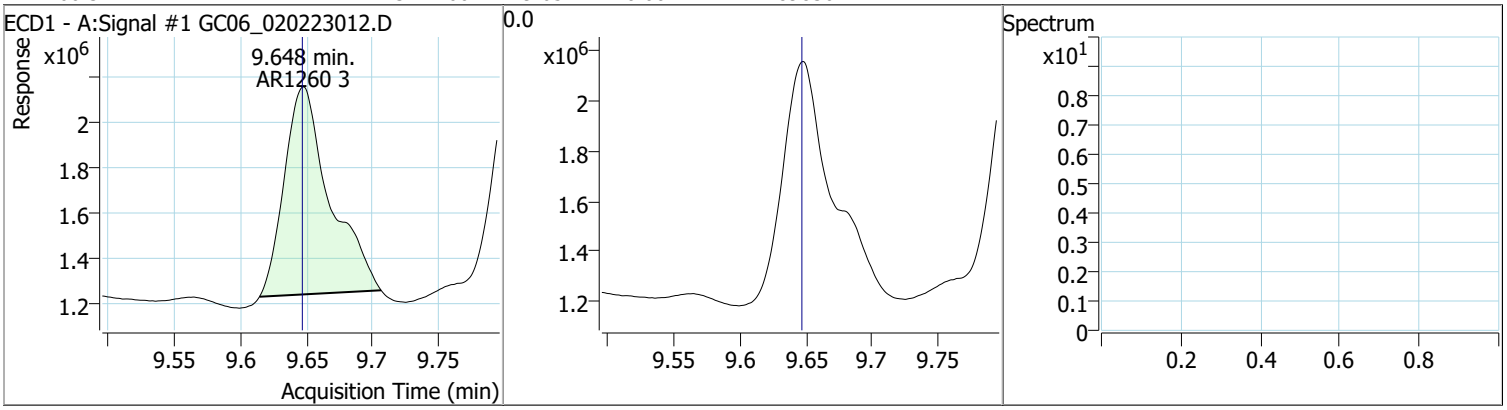
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	376.4490	8.72	0.00	1699069				



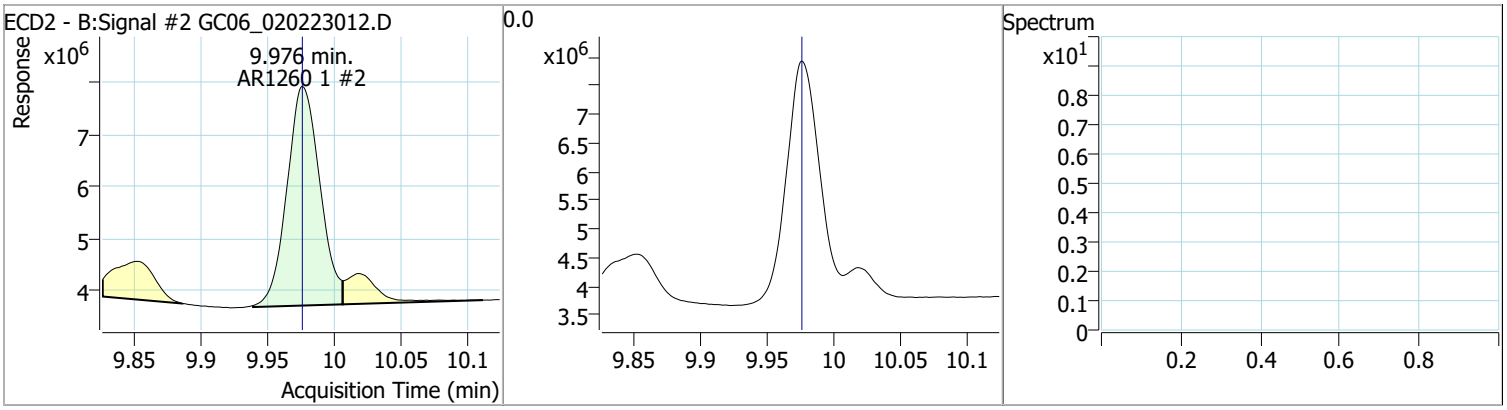
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	443.2348	9.21	0.00	2731212				



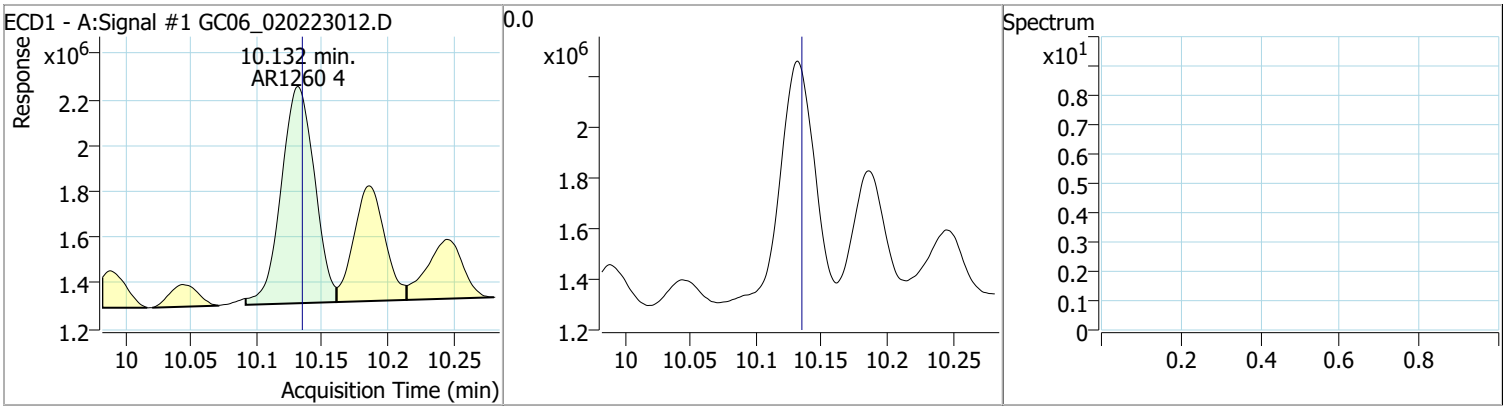
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	312.1602	9.65	0.00	2189830				



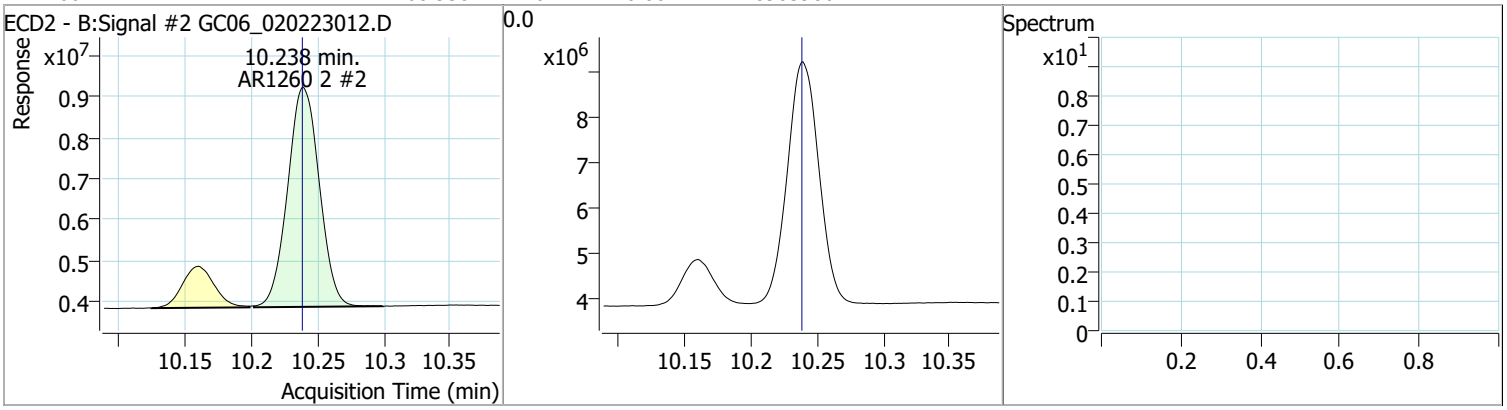
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	394.1650	9.98	0.00	7294203				



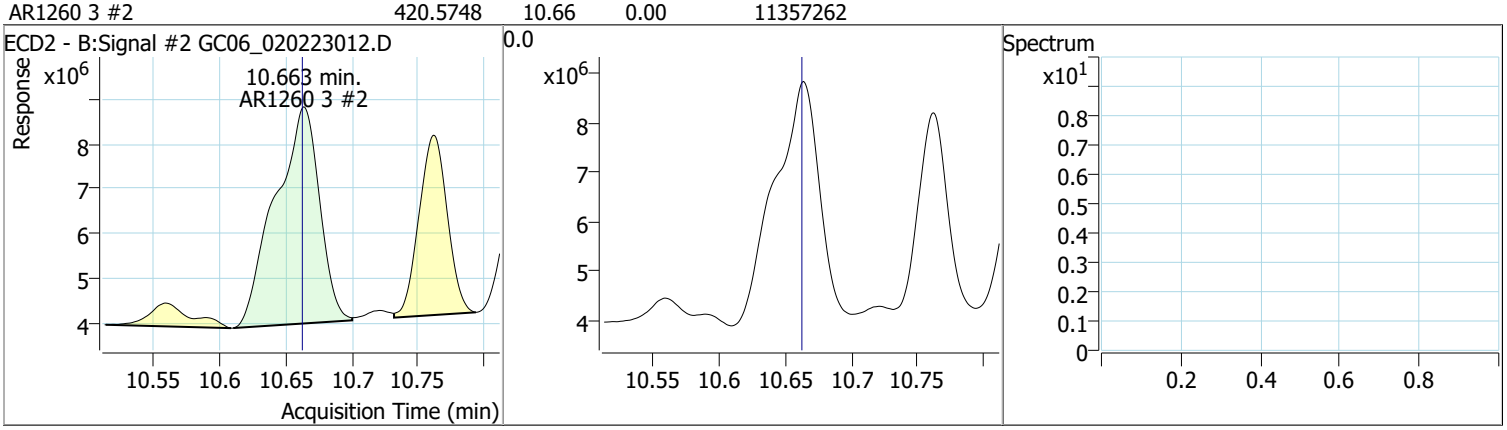
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	451.5875	10.13	0.00	1667901				



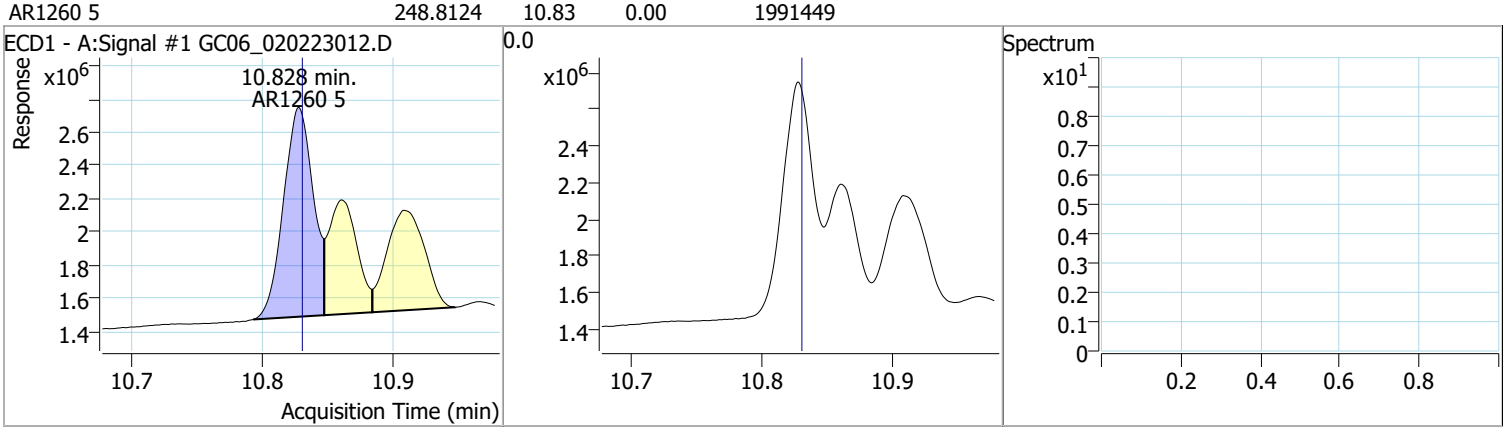
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	468.9384	10.24	0.00	8983980				



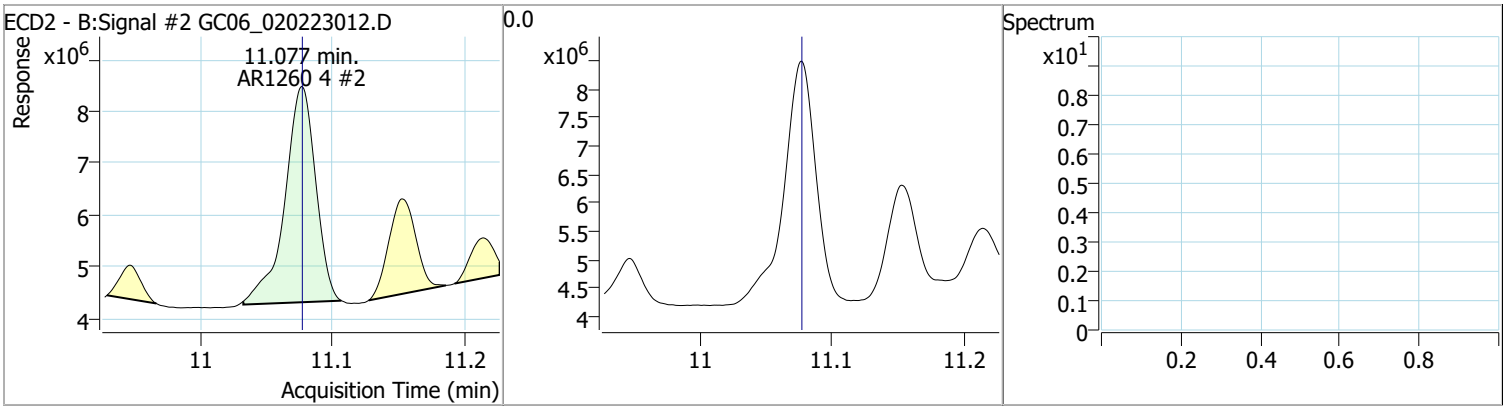
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	420.5748	10.66	0.00	11357262				



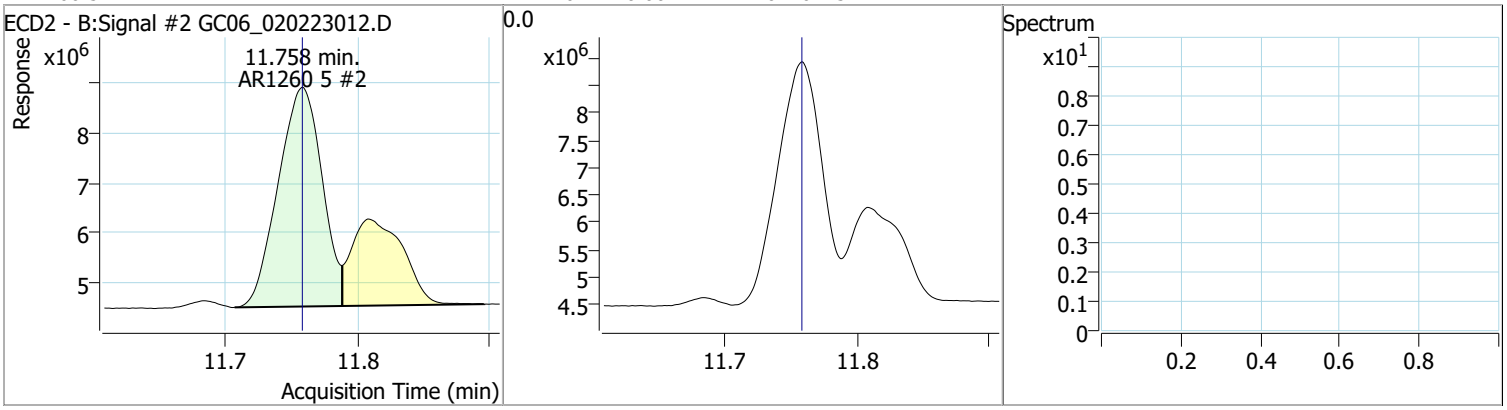
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	248.8124	10.83	0.00	1991449				



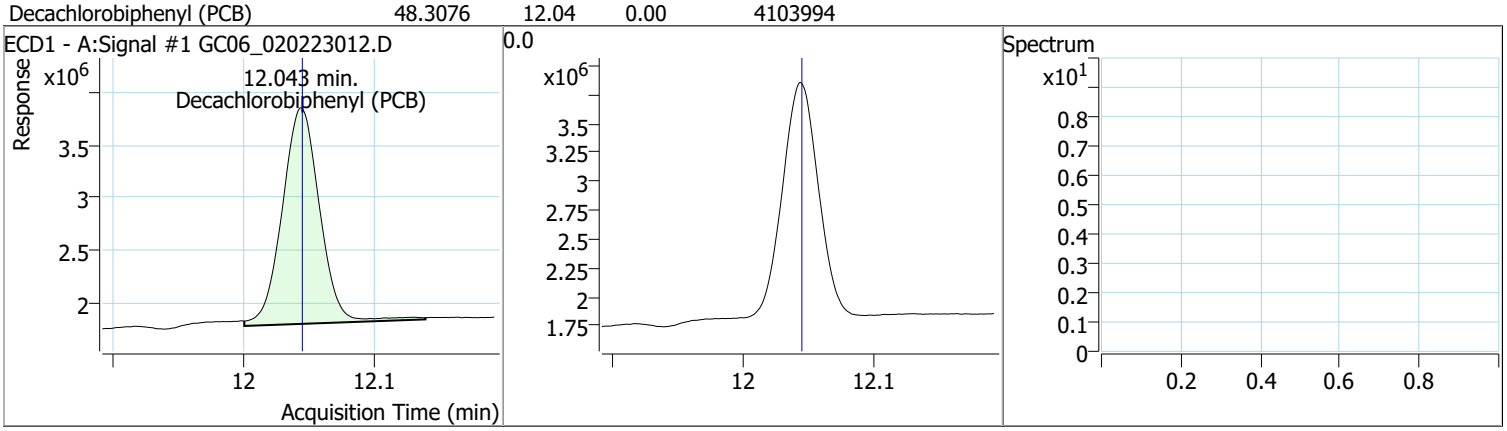
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	457.5797	11.08	0.00	6792813				



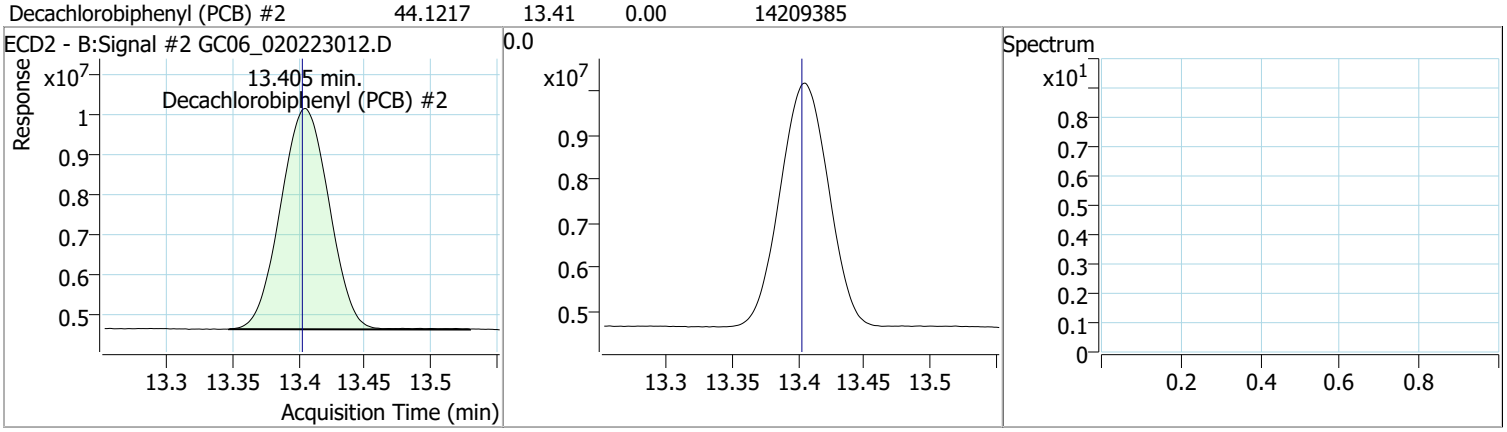
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	417.7424	11.76	0.00	10216115				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.3076	12.04	0.00	4103994				

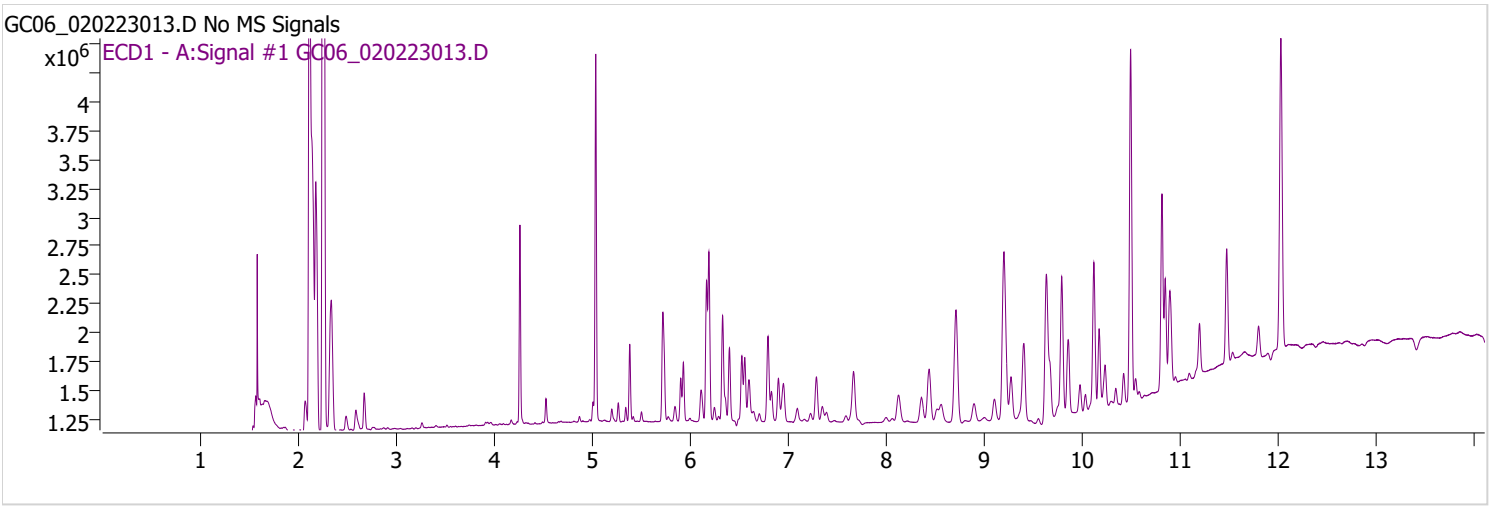


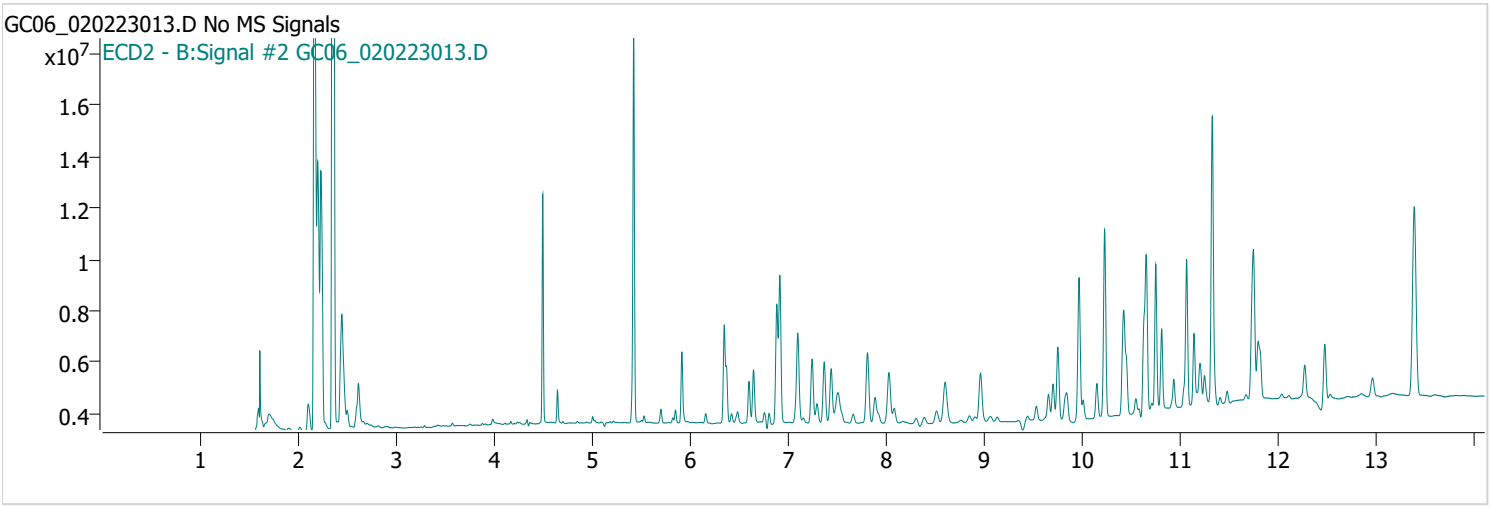
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.1217	13.41	0.00	14209385				



Quantitation Results Report (Not Reviewed)

Data File	GC06_020223013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 4:52:34 PM
Sample Name	QC1042119, 306460, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



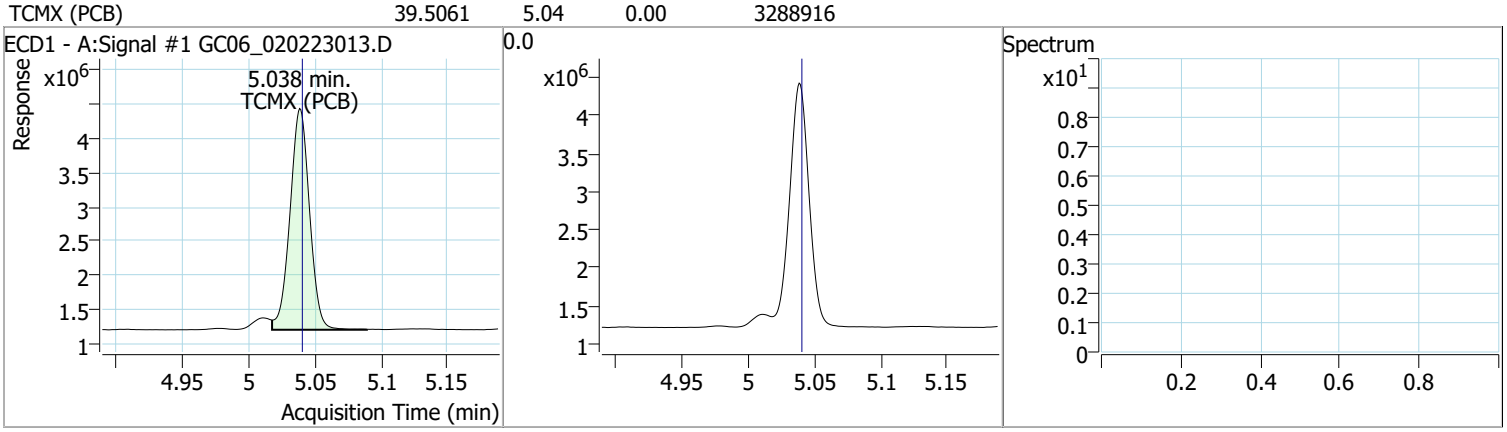


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.264	0.0	1680029.063	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.498	0.0	8122002.650	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.038	0.0	3288916.293	39.5061	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.53%		*	
S TCMX (PCB) #2	5.426	0.0	16930573.711	43.1049	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.52%		*	
S Decachlorobiphenyl (PCB)	12.039	0.0	5420770.181	46.3048	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.52%		*	
S Decachlorobiphenyl (PCB) #2	13.402	0.0	18644878.468	42.2888	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.44%		*	
Target Compounds							QValue

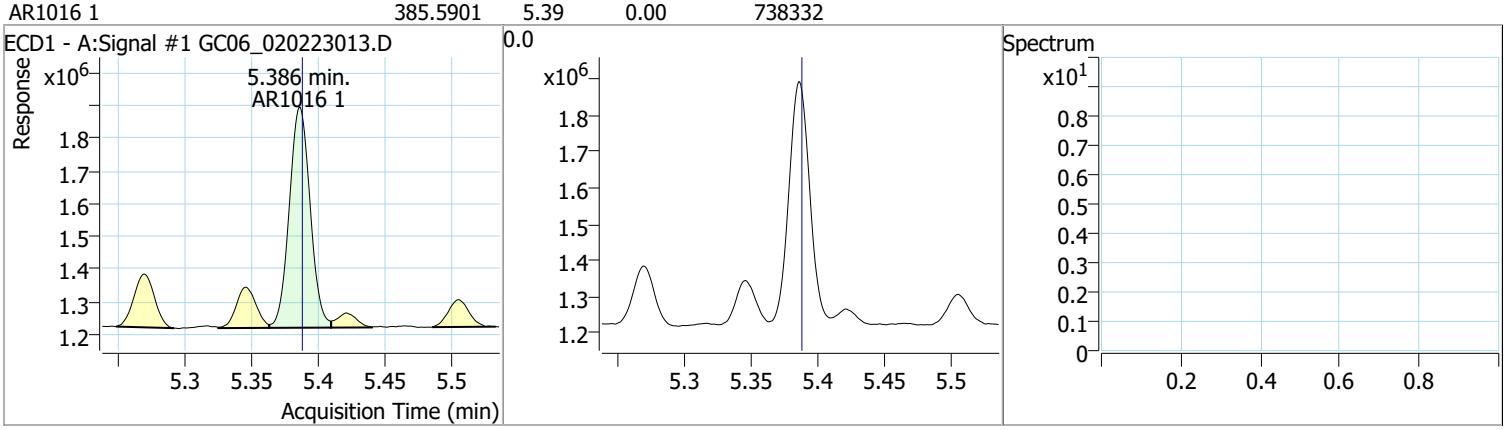
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.386	0.0	738332.205	385.5901	ng/ml		100
T AR1016 2	5.725	0.0	1606638.522	444.6003	ng/ml		100
T AR1016 1 #2	5.918	0.0	3598723.595	401.1167	ng/ml		100
T AR1016 3	6.195	0.0	1975818.235	412.1133	ng/ml		100
T AR1016 4	6.335	0.0	1580938.078	516.9654	ng/ml		100
T AR1016 2 #2	6.352	0.0	5341143.665	412.8292	ng/ml	m	100
T AR1016 5	6.532	0.0	918930.880	457.6660	ng/ml		100
T AR1016 3 #2	6.919	0.0	9752581.594	428.1508	ng/ml		100
T AR1016 4 #2	7.103	0.0	6846782.627	411.9050	ng/ml		100
T AR1016 5 #2	7.815	0.0	5676963.462	426.0845	ng/ml		100
T AR1260 1	8.720	0.0	2440186.549	392.3510	ng/ml		100
T AR1260 2	9.210	0.0	3702791.012	436.0780	ng/ml		100
T AR1260 3	9.643	0.0	3545992.224	366.8271	ng/ml		100
T AR1260 1 #2	9.978	0.0	9804990.822	387.0229	ng/ml		100
T AR1260 4	10.128	0.0	2212684.849	434.7580	ng/ml		100
T AR1260 2 #2	10.238	0.0	11986787.235	455.9444	ng/ml		100
T AR1260 3 #2	10.663	0.0	15015121.213	406.1512	ng/ml		100
T AR1260 5	10.824	0.0	2696079.757	244.4511	ng/ml		100
T AR1260 4 #2	11.077	0.0	8694901.551	427.8297	ng/ml		100
T AR1260 5 #2	11.758	0.0	13427540.674	401.0592	ng/ml		100

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

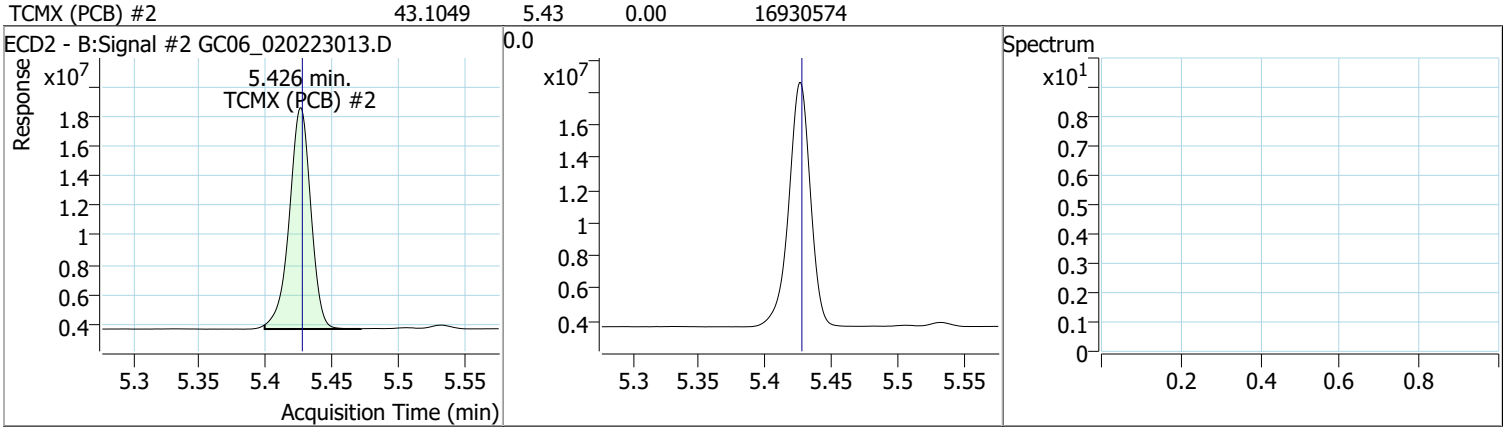
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5061	5.04	0.00	3288916				



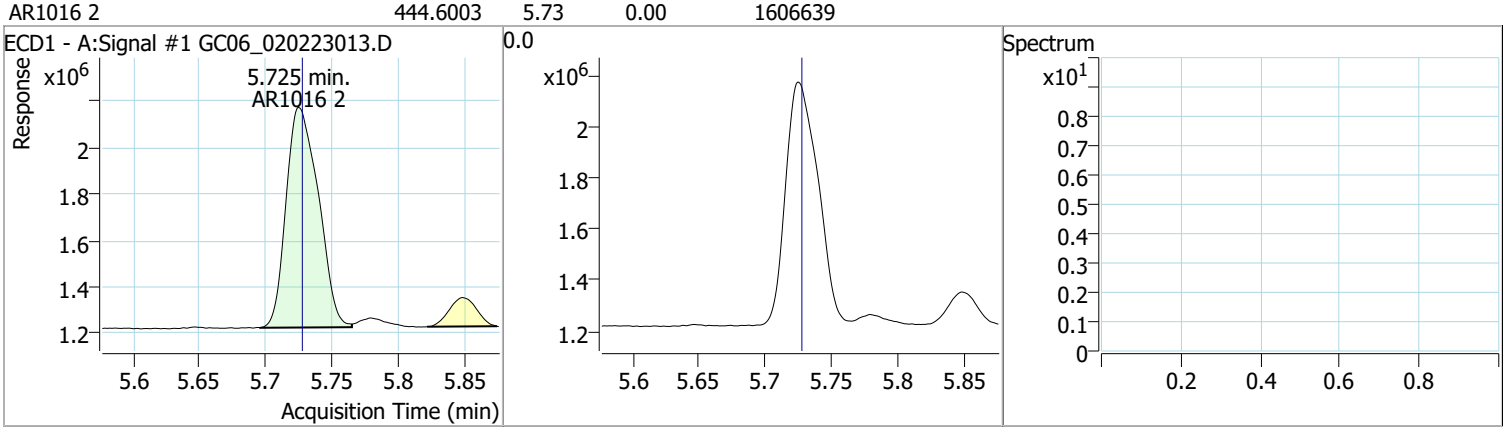
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	385.5901	5.39	0.00	738332				



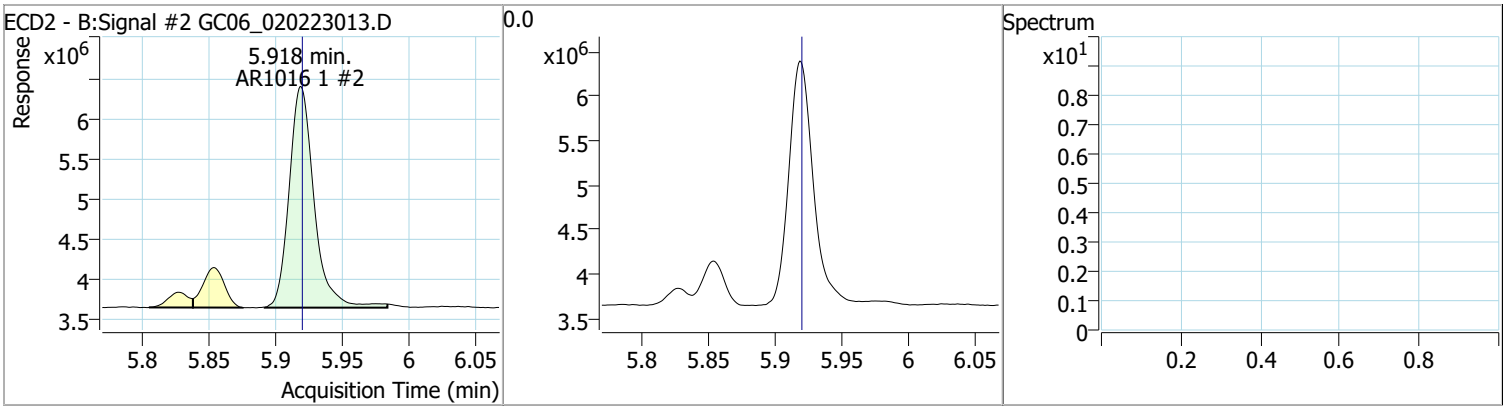
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.1049	5.43	0.00	16930574				



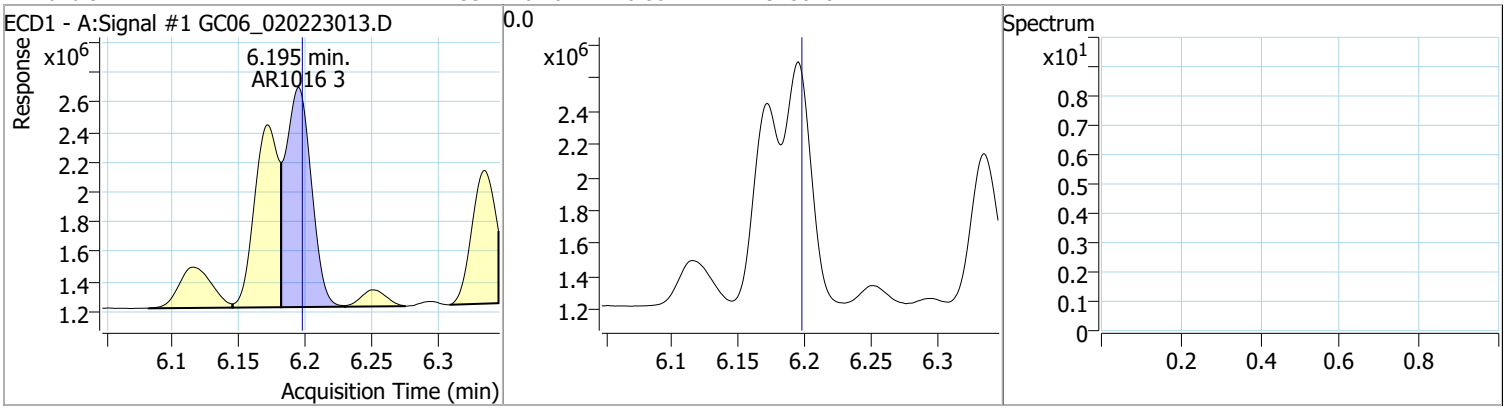
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	444.6003	5.73	0.00	1606639				



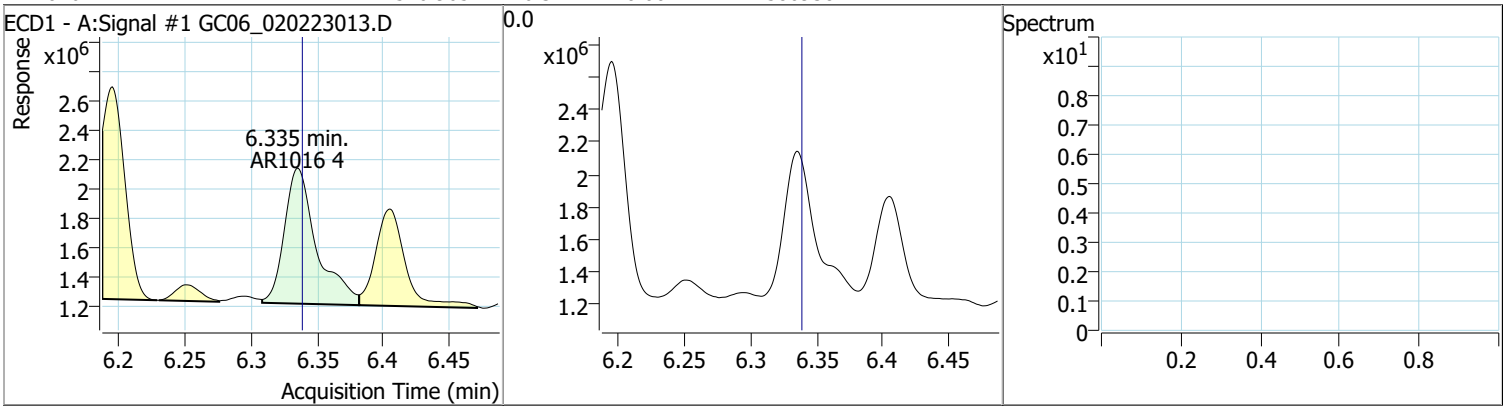
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	401.1167	5.92	0.00	3598724				



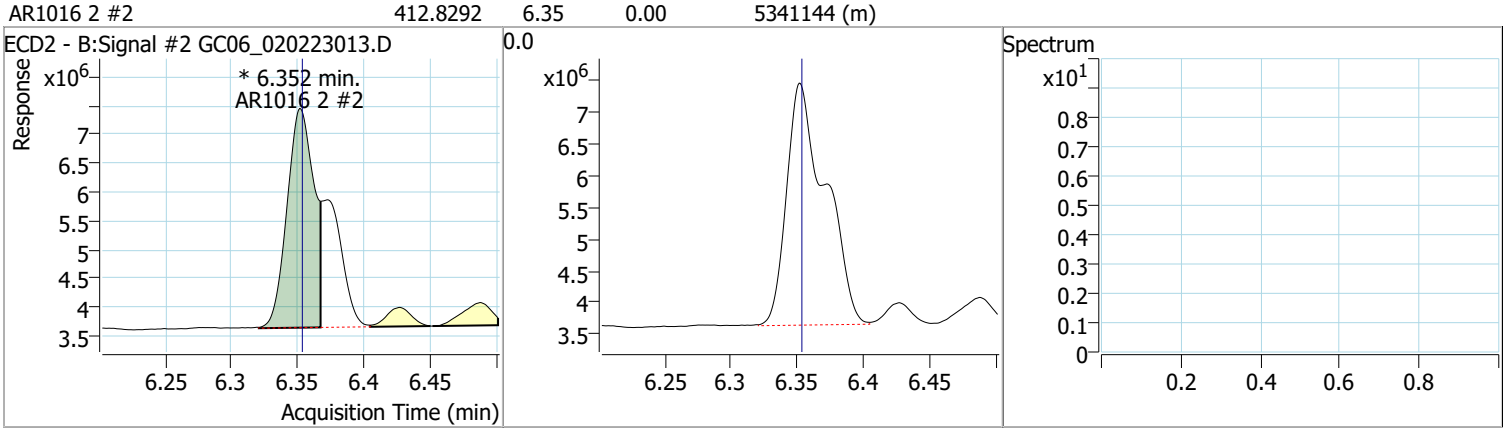
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	412.1133	6.20	0.00	1975818				



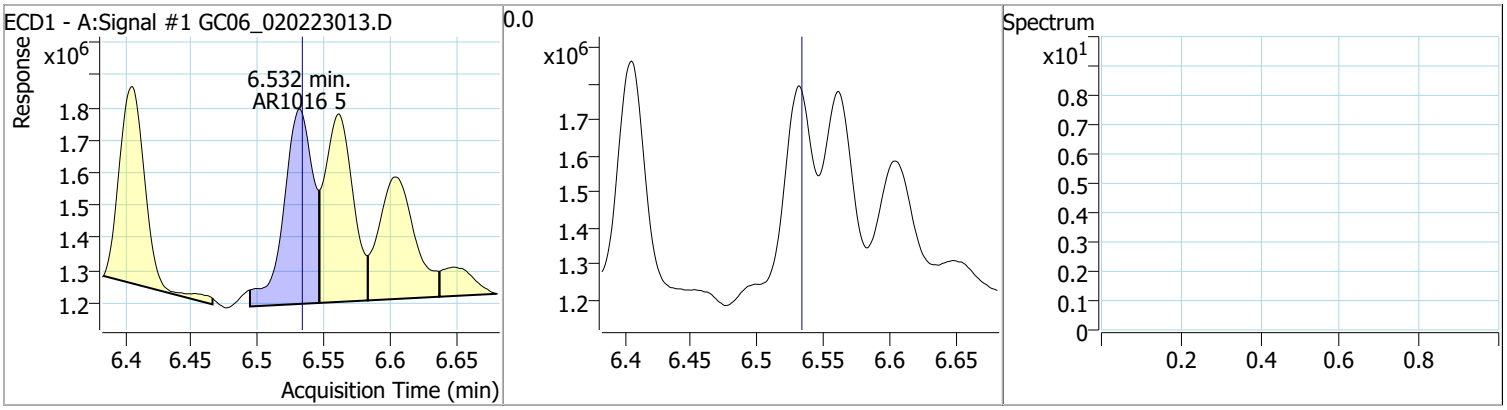
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	516.9654	6.34	0.00	1580938				



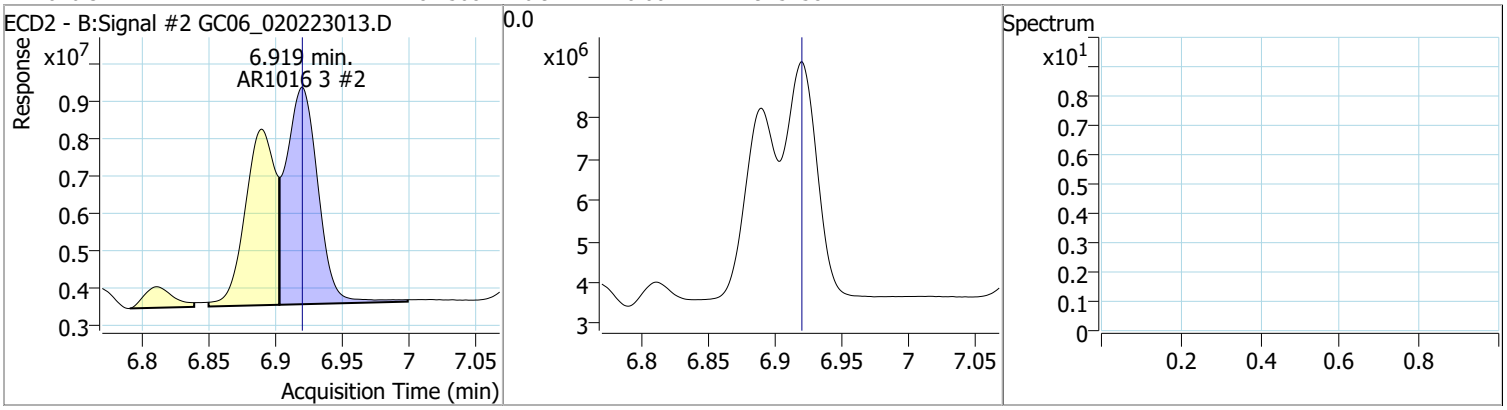
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	412.8292	6.35	0.00	5341144 (m)				



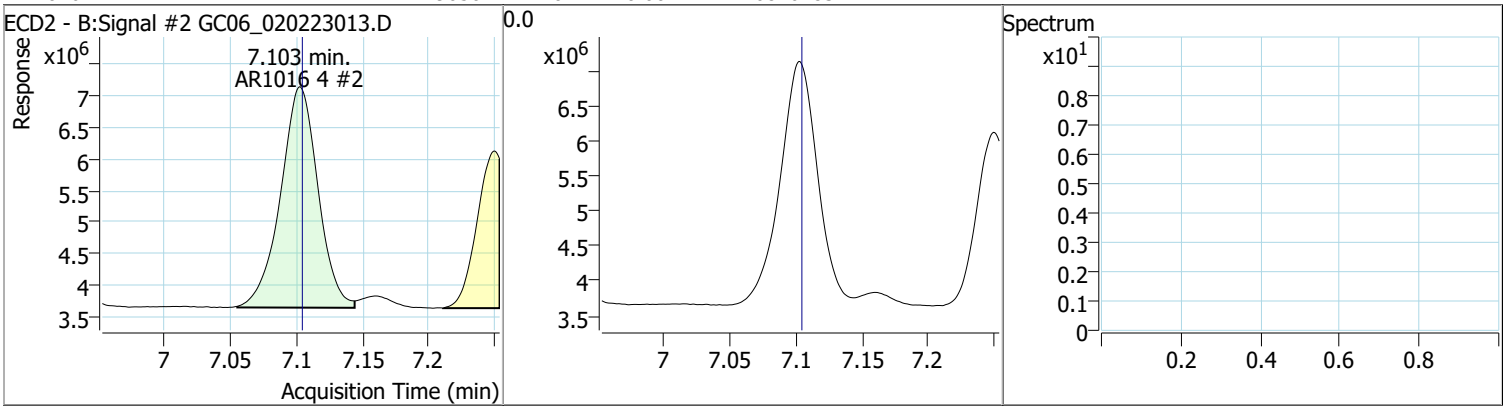
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	457.6660	6.53	0.00	918931				



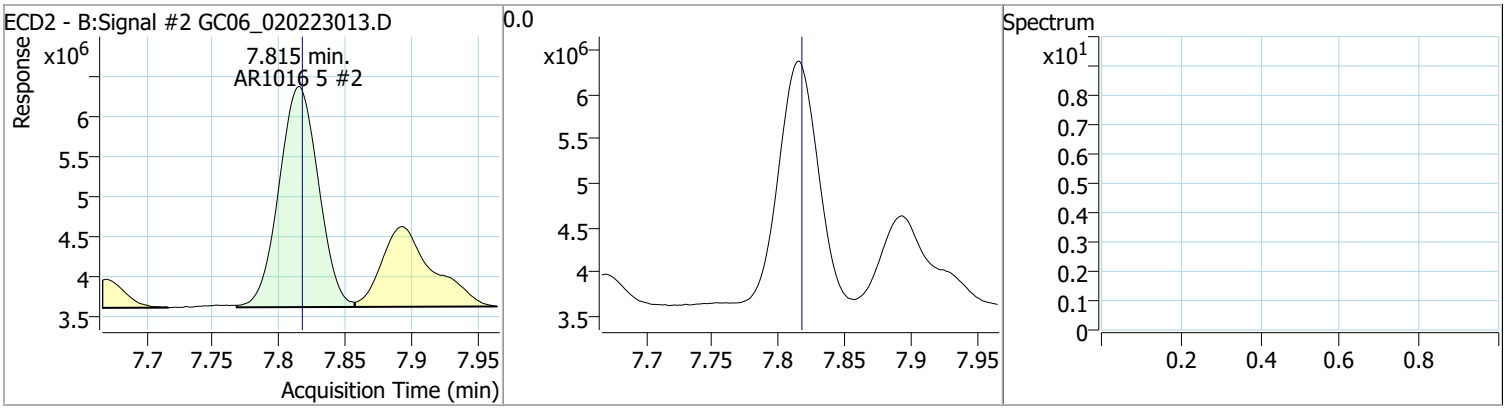
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	428.1508	6.92	0.00	9752582				



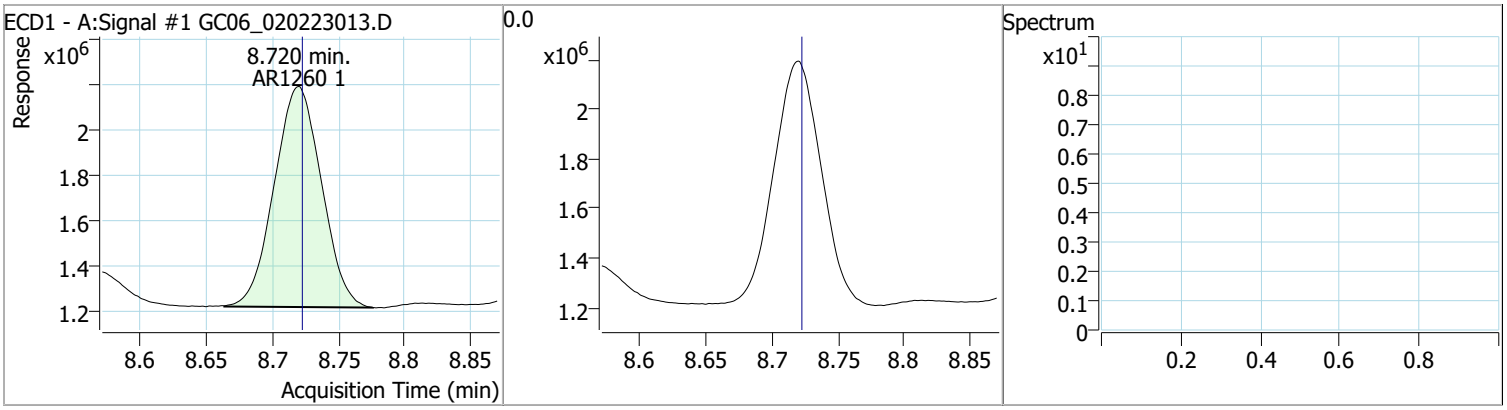
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	411.9050	7.10	0.00	6846783				



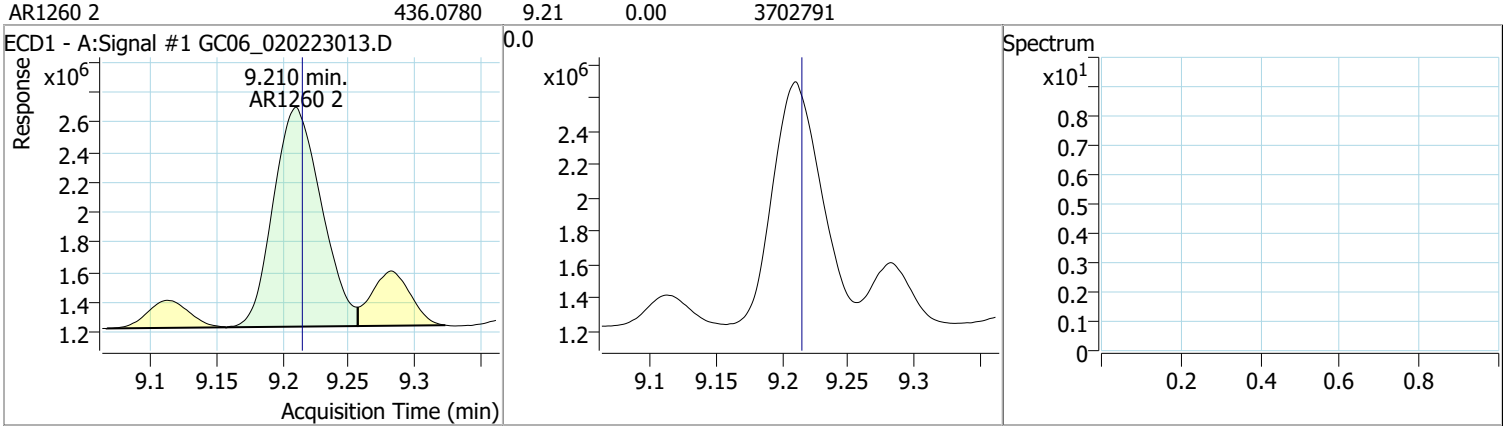
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	426.0845	7.82	0.00	5676963				



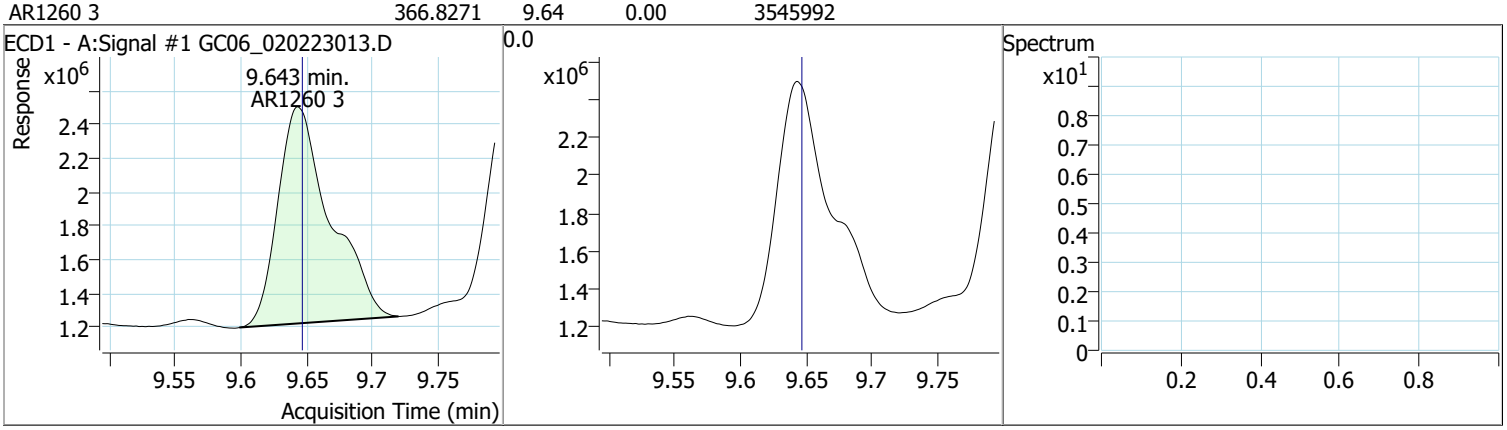
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	392.3510	8.72	0.00	2440187				



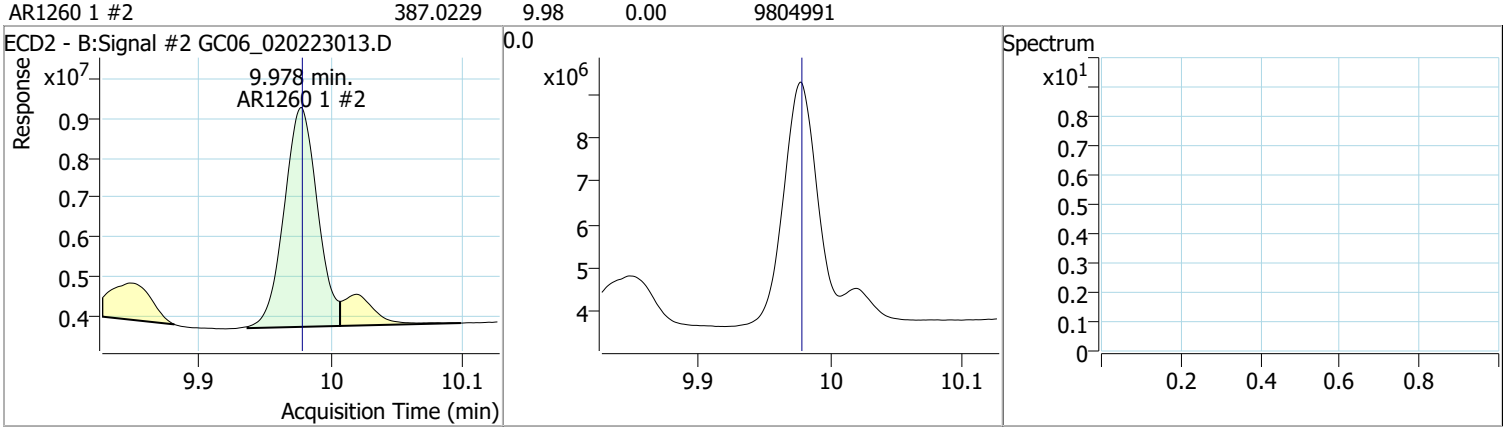
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	436.0780	9.21	0.00	3702791				



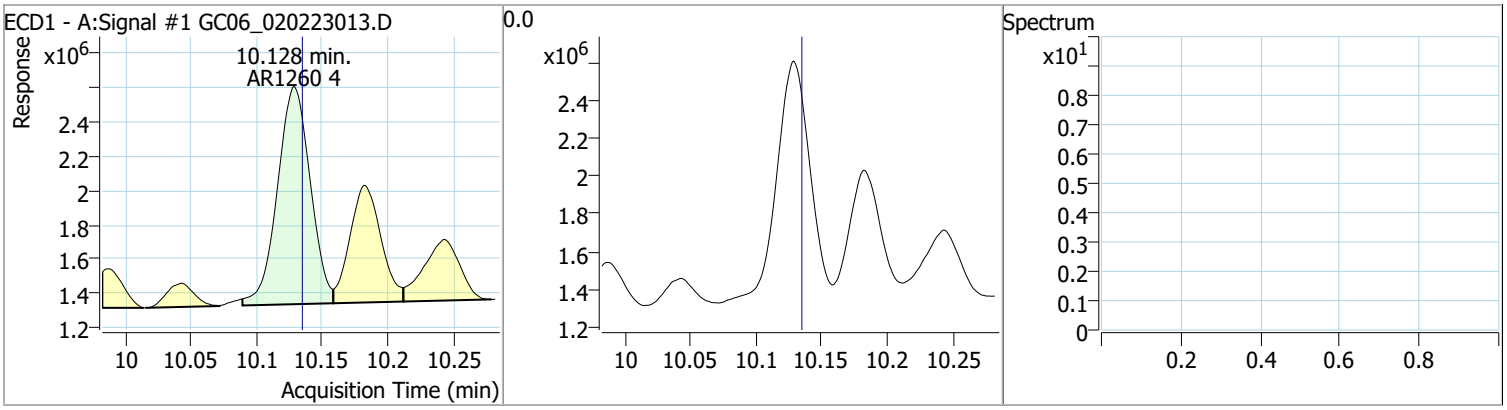
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	366.8271	9.64	0.00	3545992				



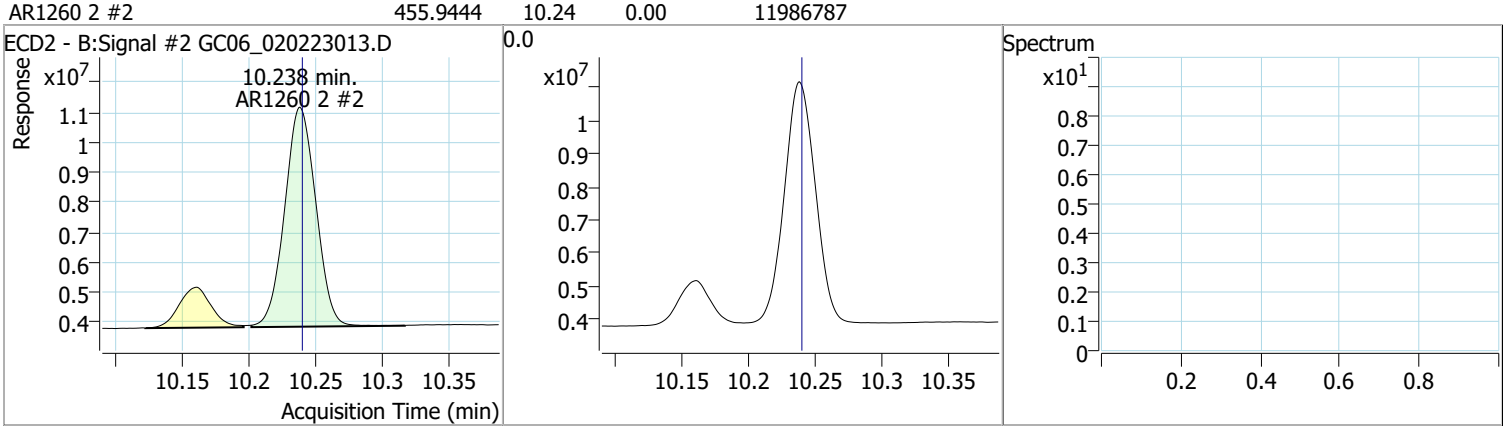
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	387.0229	9.98	0.00	9804991				



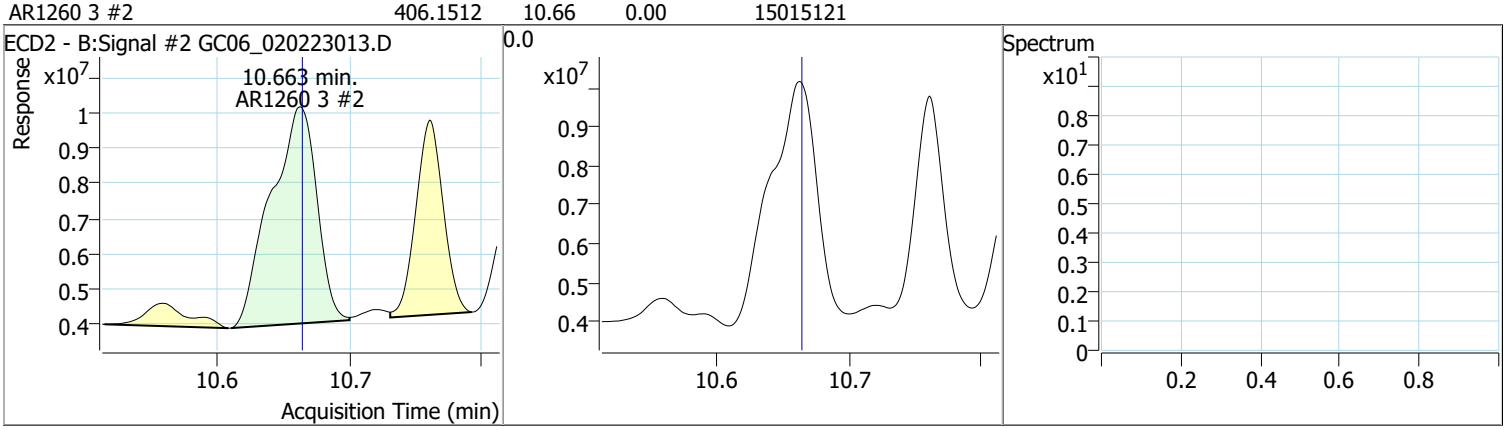
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	434.7580	10.13	0.00	2212685				



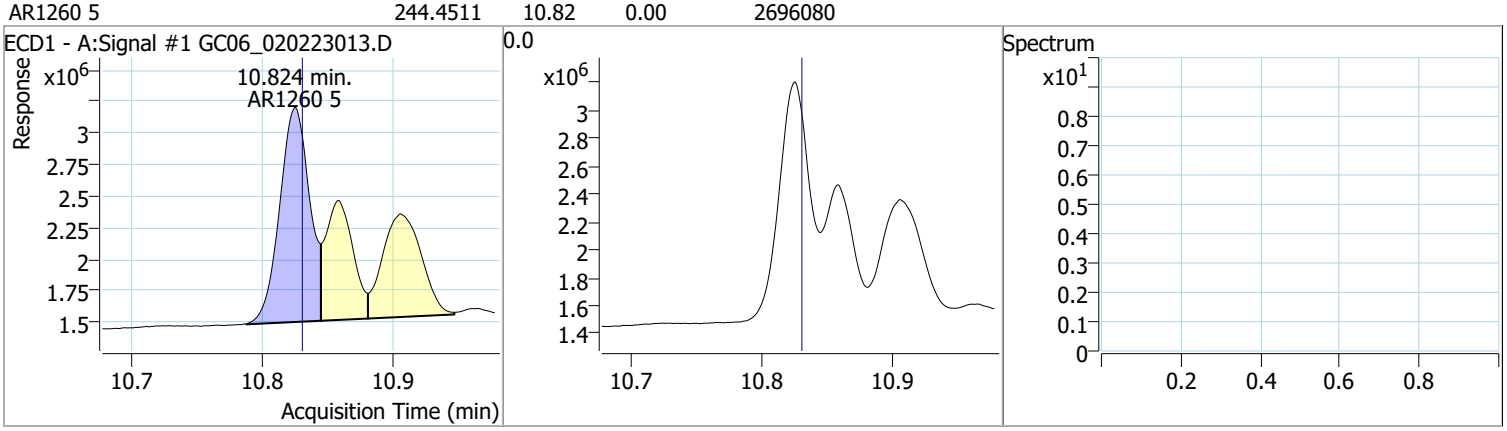
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.9444	10.24	0.00	11986787				



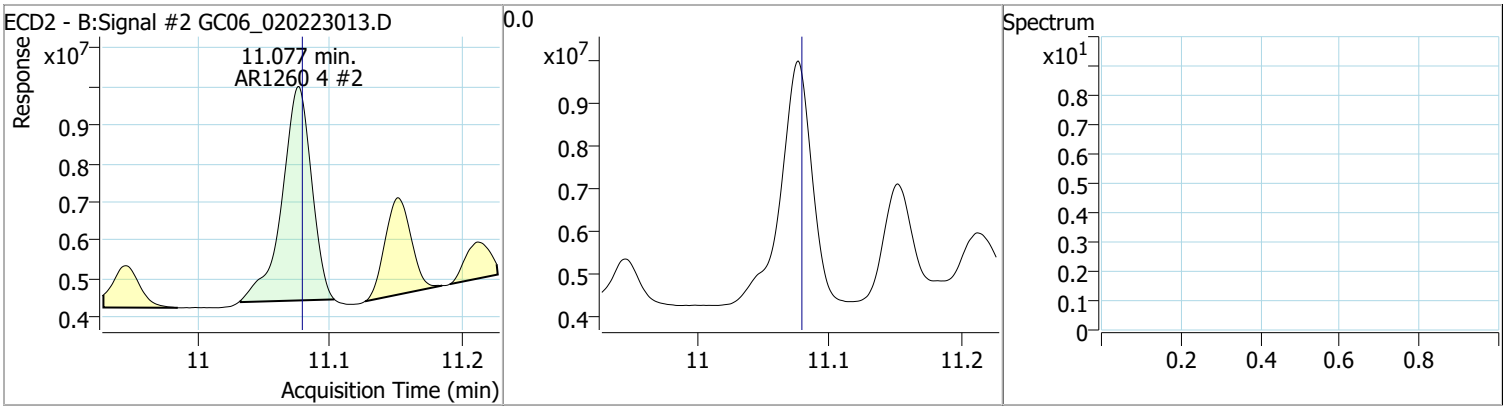
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	406.1512	10.66	0.00	15015121				



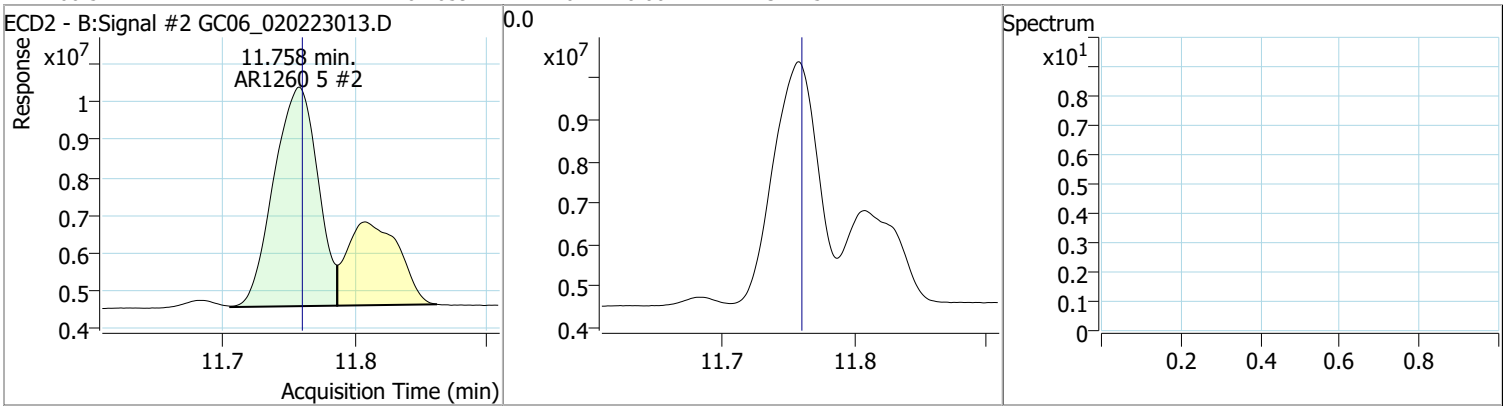
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	244.4511	10.82	0.00	2696080				



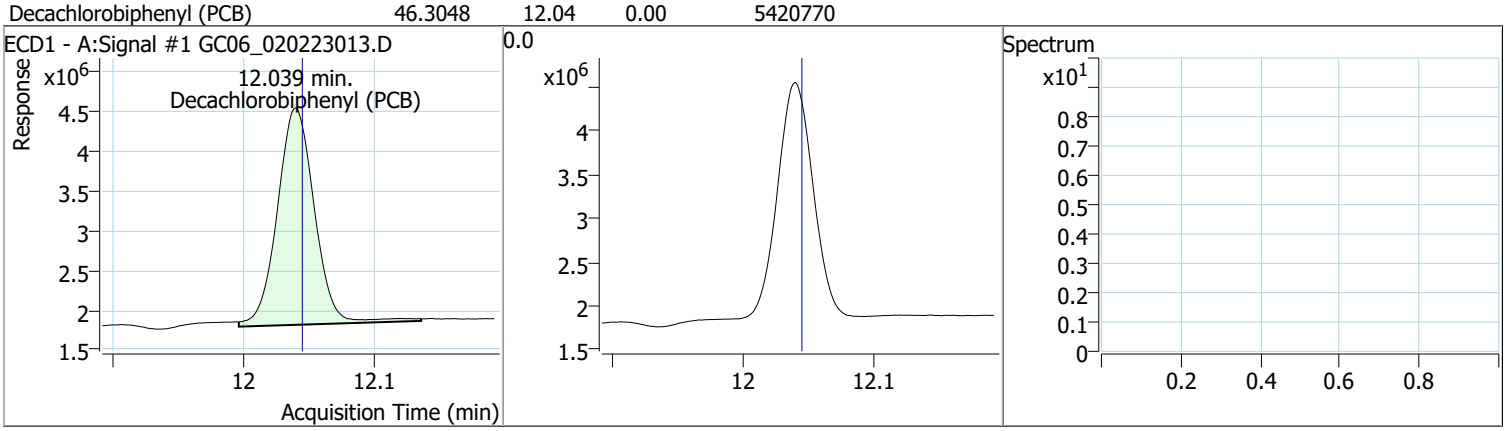
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	427.8297	11.08	0.00	8694902				



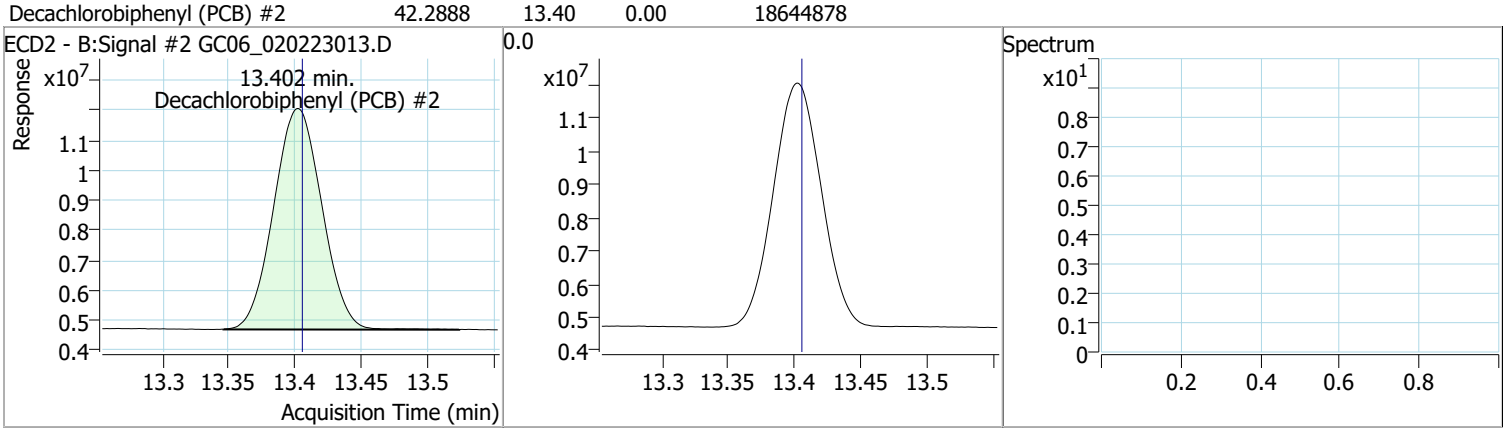
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	401.0592	11.76	0.00	13427541				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.3048	12.04	0.00	5420770				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.2888	13.40	0.00	18644878				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_010423014	453006691014		04-JAN-2023 15:31	S17807
L2	gc06_010423015	453006691015		04-JAN-2023 15:49	S17797
L3	gc06_010423016	453006691016		04-JAN-2023 16:07	S17798
L4	gc06_010423017	453006691017		04-JAN-2023 16:26	S17799
L5	gc06_010423018	453006691018		04-JAN-2023 16:44	S17800
L6	gc06_010423019	453006691019		04-JAN-2023 17:02	S17801
L7	gc06_010423020	453006691020		04-JAN-2023 17:21	S17802
L8	gc06_010423021	453006691021		04-JAN-2023 17:39	S17803
L9	gc06_010423022	453006691022		04-JAN-2023 17:57	S17804
L10	gc06_010423023	453006691023		04-JAN-2023 18:16	S17805

Analyte	Ch	Type	X	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		43.8687		0.0228		20	8	.99	20	
Aroclor-1016 Peak # 2	A	QUAD	A	0.45356	0.04438	-5.35E-6	0.0495	1.000		9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	R		17.5207		0.0571		18	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		27.4681		0.0364		16	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		41.8358		0.0239		13	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		13.5062		0.0740		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		9.89275		0.1011		17	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		8.68970		0.1151		19	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		16.5048		0.0606		10	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		7.61626		0.1313		15	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.71754		1.3936		16	8	.99	20	
TCMX (PCB)	A	AVRG	R		1.00901		0.9911		18	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		45.2637		0.0221		20	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		31.3881		0.0319		18	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		17.8281		0.0561		18	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.4309		0.0409		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.4795		0.0328		16	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		16.0294		0.0624		19	8	.99	20	
Aroclor-1260 Peak # 2	B	QUAD	A	0.93788	0.06605	-7.38E-6	0.0755	0.998		9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		10.9847		0.0910		18	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		19.9818		0.0500		13	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1294		0.0824		18	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.92107		1.0857		20	10	.99	20	
TCMX (PCB)	B	AVRG	R		1.03391		0.9672		13	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	0.0327	0.0254	0.0226	0.0214	0.0218	0.0205	0.0191	0.0187		
Aroclor-1016 Peak # 2	A	0.0881	0.0530	0.0492	0.0471	0.0480	0.0436	0.0402	0.0392	0.0368	
Aroclor-1016 Peak # 3	A	0.0777	0.0683	0.0611	0.0562	0.0598	0.0538	0.0508	0.0498	0.0454	0.0478
Aroclor-1016 Peak # 4	A	0.0490	0.0412	0.0403	0.0365	0.0374	0.0359	0.0316	0.0312	0.0300	0.0310
Aroclor-1016 Peak # 5	A	0.0301	0.0252	0.0262	0.0245	0.0255	0.0234	0.0216	0.0215	0.0201	0.0209
Aroclor-1260 Peak # 1	A	0.1011	0.0818	0.0781	0.0702	0.0750	0.0653	0.0594	0.0614		
Aroclor-1260 Peak # 2	A	0.1328	0.1147	0.1136	0.1049	0.1119	0.0965	0.0858	0.0894	0.0791	0.0822
Aroclor-1260 Peak # 3	A	0.1601	0.1276	0.1196	0.1008	0.1177	0.1032	0.0930	0.0986		
Aroclor-1260 Peak # 4	A	0.0677	0.0613	0.0653	0.0620	0.0703	0.0616	0.0548	0.0589	0.0508	0.0532
Aroclor-1260 Peak # 5	A	0.1723	0.1336	0.1463	0.1354	0.1448	0.1257	0.1103	0.1197	0.1087	0.1162
Decachlorobiphenyl (PCB)	A	1.8118	1.4660	1.5680	1.3606	1.3223	1.3070	1.0922	1.2212		
TCMX (PCB)	A	1.4485	1.0967	1.0013	0.9898	0.9268	0.9238	0.8443	0.8759	0.8690	0.9346
Aroclor-1016 Peak # 1	B	0.0312	0.0256	0.0244	0.0220	0.0218	0.0199	0.0186	0.0182	0.0171	
Aroclor-1016 Peak # 2	B	0.0438	0.0362	0.0360	0.0338	0.0328	0.0295	0.0281	0.0270	0.0250	0.0264
Aroclor-1016 Peak # 3	B	0.0786	0.0634	0.0605	0.0580	0.0568	0.0517	0.0480	0.0486	0.0462	0.0491
Aroclor-1016 Peak # 4	B	0.0542	0.0465	0.0461	0.0420	0.0420	0.0385	0.0357	0.0360	0.0332	0.0351
Aroclor-1016 Peak # 5	B	0.0454	0.0345	0.0358	0.0335	0.0339	0.0312	0.0287	0.0292	0.0271	0.0287
Aroclor-1260 Peak # 1	B	0.0864	0.0684	0.0661	0.0612	0.0622	0.0548	0.0489	0.0511		
Aroclor-1260 Peak # 2	B	0.1195	0.0863	0.0842	0.0744	0.0750	0.0654	0.0580	0.0612	0.0555	
Aroclor-1260 Peak # 3	B	0.1217	0.1081	0.1032	0.0924	0.0959	0.0839	0.0765	0.0826	0.0708	0.0752
Aroclor-1260 Peak # 4	B	0.0645	0.0519	0.0542	0.0477	0.0547	0.0485	0.0431	0.0469	0.0434	0.0456
Aroclor-1260 Peak # 5	B	0.1142	0.0954	0.0910	0.0788	0.0866	0.0771	0.0704	0.0777	0.0644	0.0688
Decachlorobiphenyl (PCB)	B	1.5458	1.2779	1.2380	1.0695	1.0414	1.0502	0.8706	0.9855	0.8589	0.9192
TCMX (PCB)	B	1.2479	1.0977	0.9996	0.9492	0.8959	0.9174	0.8473	0.8893	0.8747	0.9531

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	**44**	20.000	12	50.000	-1	100.00	-6	250.00	-4	500.00	-10	749.91	-16	1000.0	-18
Aroclor-1016 Peak # 2	A	10.000	-4	20.000	**-32**	50.000	-9	100.00	-3	250.00	8	500.00	3	749.91	-2	1000.0	-1
Aroclor-1016 Peak # 3	A	10.000	**36**	20.000	20	50.000	7	100.00	-1	250.00	5	500.00	-6	749.91	-11	1000.0	-13
Aroclor-1016 Peak # 4	A	10.000	**35**	20.000	13	50.000	11	100.00	0	250.00	3	500.00	-1	749.91	-13	1000.0	-14
Aroclor-1016 Peak # 5	A	10.000	**26**	20.000	5	50.000	9	100.00	3	250.00	7	500.00	-2	749.91	-9	1000.0	-10
Aroclor-1260 Peak # 1	A	10.000	**37**	20.000	10	50.000	5	100.00	-5	250.00	1	500.00	-12	749.91	-20	1000.0	-17
Aroclor-1260 Peak # 2	A	10.000	**31**	20.000	13	50.000	12	100.00	4	250.00	11	500.00	-5	749.91	-15	1000.0	-12
Aroclor-1260 Peak # 3	A	10.000	**39**	20.000	11	50.000	4	100.00	-12	250.00	2	500.00	-10	749.91	-19	1000.0	-14
Aroclor-1260 Peak # 4	A	10.000	12	20.000	1	50.000	8	100.00	2	250.00	16	500.00	2	749.91	-10	1000.0	-3
Aroclor-1260 Peak # 5	A	10.000	**31**	20.000	2	50.000	11	100.00	3	250.00	10	500.00	-4	749.91	-16	1000.0	-9
Decachlorobiphenyl (PCB)	A	0.8000	**30**	1.6000	5	4.0000	13	8.0000	-2	20.000	-5	40.000	-6	59.993	**-22**	80.000	-12
TCMX (PCB)	A	0.8000	**46**	1.6000	11	4.0000	1	8.0000	0	20.000	-6	40.000	-7	59.993	-15	80.000	-12
Aroclor-1016 Peak # 1	B	10.000	**41**	20.000	16	50.000	10	100.00	0	250.00	-1	500.00	-10	749.91	-16	1000.0	-17
Aroclor-1016 Peak # 2	B	10.000	**38**	20.000	14	50.000	13	100.00	6	250.00	3	500.00	-8	749.91	-12	1000.0	-15
Aroclor-1016 Peak # 3	B	10.000	**40**	20.000	13	50.000	8	100.00	3	250.00	1	500.00	-8	749.91	-14	1000.0	-13
Aroclor-1016 Peak # 4	B	10.000	**32**	20.000	14	50.000	13	100.00	3	250.00	3	500.00	-6	749.91	-13	1000.0	-12
Aroclor-1016 Peak # 5	B	10.000	**38**	20.000	5	50.000	9	100.00	2	250.00	3	500.00	-5	749.91	-12	1000.0	-11
Aroclor-1260 Peak # 1	B	10.000	**39**	20.000	10	50.000	6	100.00	-2	250.00	0	500.00	-12	749.91	**-22**	1000.0	-18
Aroclor-1260 Peak # 2	B	10.000	**-61**	20.000	**-40**	50.000	0	100.00	0	250.00	11	500.00	2	749.91	-7	1000.0	3
Aroclor-1260 Peak # 3	B	10.000	**34**	20.000	19	50.000	13	100.00	1	250.00	5	500.00	-8	749.91	-16	1000.0	-9
Aroclor-1260 Peak # 4	B	10.000	**29**	20.000	4	50.000	8	100.00	-5	250.00	9	500.00	-3	749.91	-14	1000.0	-6
Aroclor-1260 Peak # 5	B	10.000	**38**	20.000	16	50.000	10	100.00	-4	250.00	5	500.00	-6	749.91	-15	1000.0	-6
Decachlorobiphenyl (PCB)	B	0.8000	**42**	1.6000	18	4.0000	14	8.0000	-1	20.000	-4	40.000	-3	59.993	-20	80.000	-9
TCMX (PCB)	B	0.8000	**29**	1.6000	13	4.0000	3	8.0000	-2	20.000	-7	40.000	-5	59.993	-12	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 478361 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A				
Aroclor-1016 Peak # 2	A	1500.0	0		
Aroclor-1016 Peak # 3	A	1500.0	-20	2000.0	-16
Aroclor-1016 Peak # 4	A	1500.0	-18	2000.0	-15
Aroclor-1016 Peak # 5	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 1	A				
Aroclor-1260 Peak # 2	A	1500.0	**-22**	2000.0	-19
Aroclor-1260 Peak # 3	A				
Aroclor-1260 Peak # 4	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-11
Decachlorobiphenyl (PCB)	A				
TCMX (PCB)	A	120.00	-12	160.00	-6
Aroclor-1016 Peak # 1	B	1500.0	**-23**		
Aroclor-1016 Peak # 2	B	1500.0	**-22**	2000.0	-17
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-14
Aroclor-1016 Peak # 5	B	1500.0	-17	2000.0	-13
Aroclor-1260 Peak # 1	B				
Aroclor-1260 Peak # 2	B	1500.0	0		
Aroclor-1260 Peak # 3	B	1500.0	**-22**	2000.0	-17
Aroclor-1260 Peak # 4	B	1500.0	-13	2000.0	-9
Aroclor-1260 Peak # 5	B	1500.0	**-22**	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	**-21**	160.00	-15
TCMX (PCB)	B	120.00	-10	160.00	-1

TRN 01/05/23 : Manually integrated for coeluting, automatically draw baseline due to software limitation, and negative/positive baseline on both channels and multiple levels

Analyst: TRN 01/05/23

Reviewer: LW 01/06/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478361 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_010423_1
Calnum:	453006691001	Cal Date:	04-JAN-2023

- ICV 453006691025 (gc06_010423025 04-JAN-2023) stds: S17806

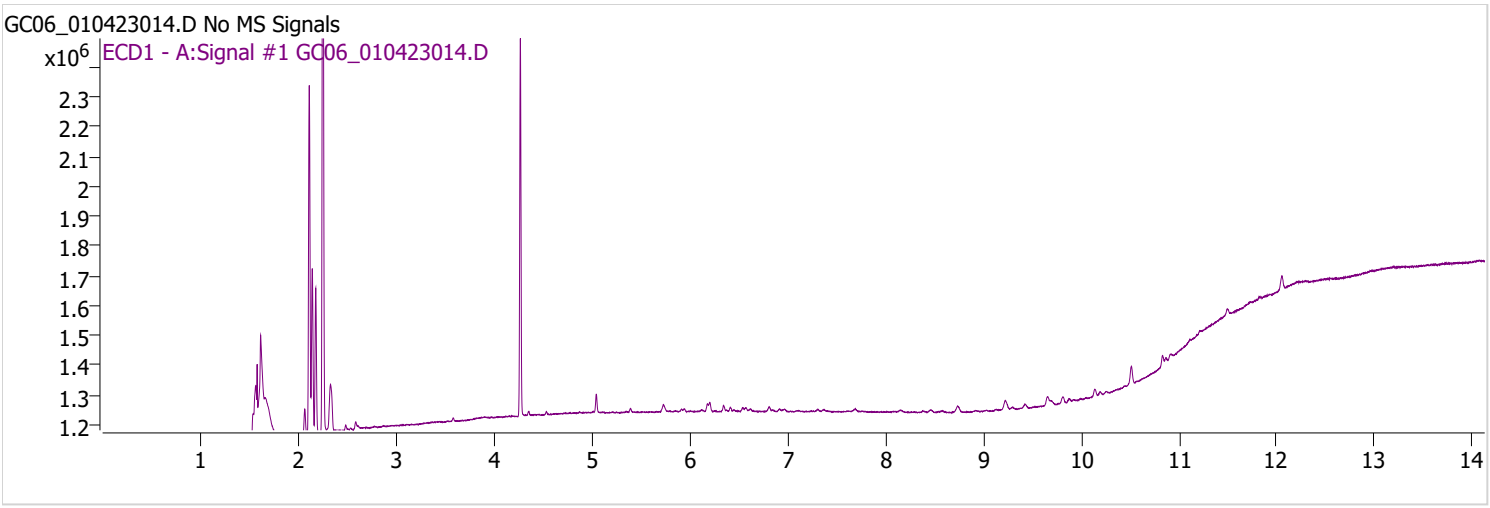
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	524.9	ug/L	5	15	
Aroclor-1260	A	500.0	484.4	ug/L	-3	15	
Aroclor-1016	B	500.0	508.8	ug/L	2	15	
Aroclor-1260	B	500.0	494.9	ug/L	-1	15	

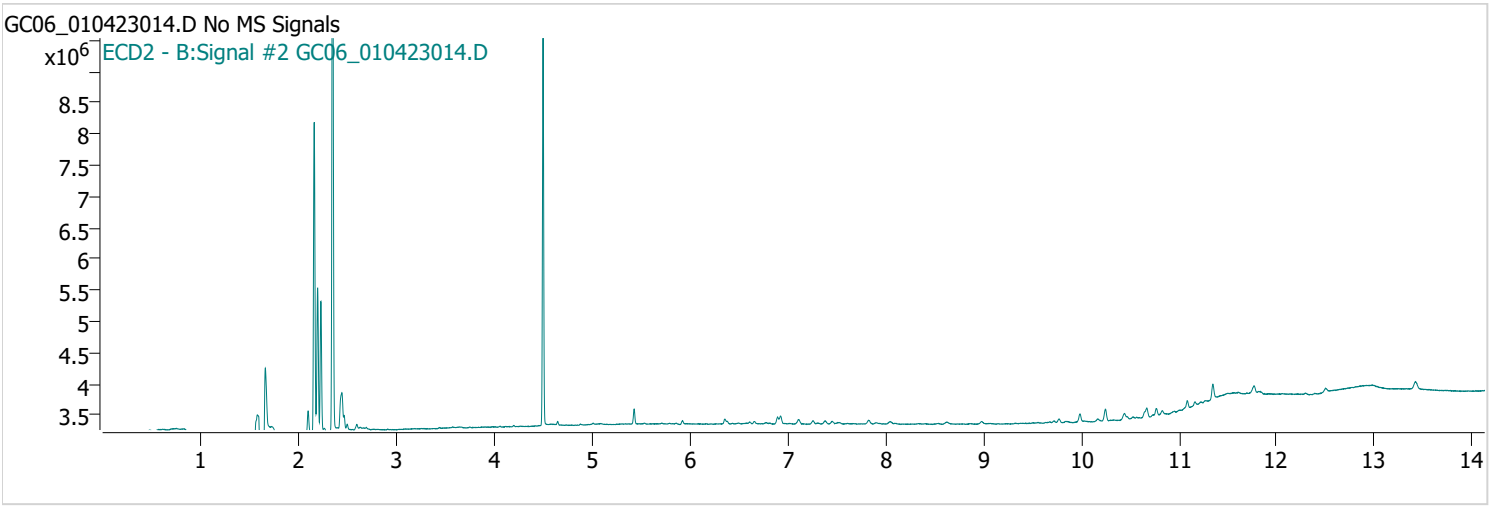
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Analyst: TRN 01/05/23 **Reviewer:** LW 01/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_010423014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 3:31:21 PM
Sample Name	ICAL, S17807	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



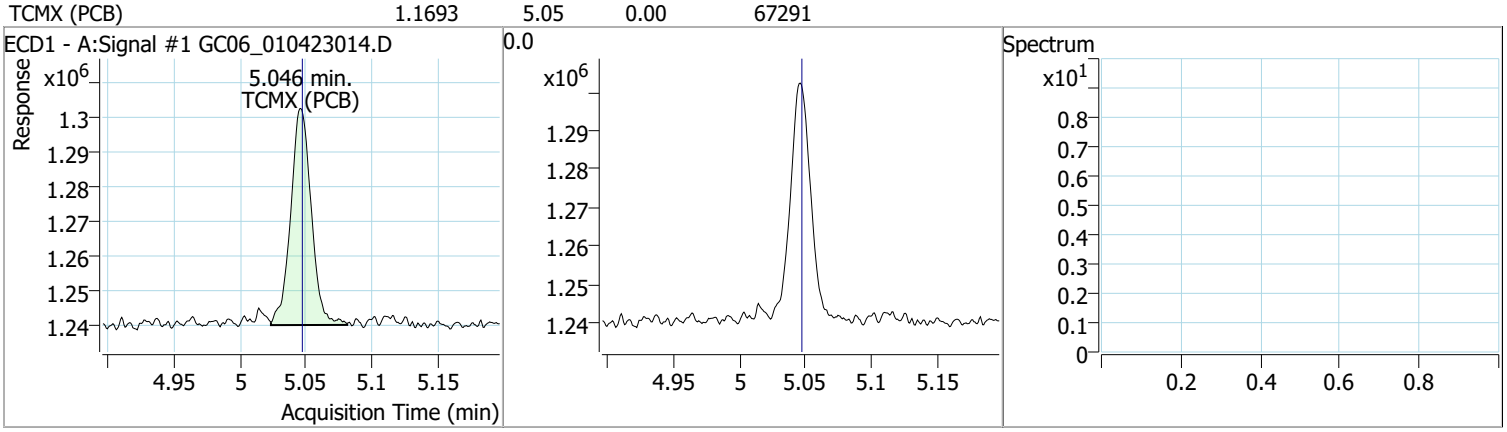


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1161377.133	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5390761.536	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	67290.742	1.1693	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.85%		*	
S TCMX (PCB) #2	5.433	0.0	269076.128	1.0181	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.09%		*	
S Decachlorobiphenyl (PCB)	12.051	0.0	84166.477	1.0400	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.20%		*	
S Decachlorobiphenyl (PCB) #2	13.417	0.0	333329.661	1.1391	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.397	0.0	19003.368	14.3565	ng/ml	m	100
T AR1016 2	5.732	0.0	51153.015	9.6347	ng/ml		100
T AR1016 1 #2	5.928	0.0	84022.840	14.1102	ng/ml		100

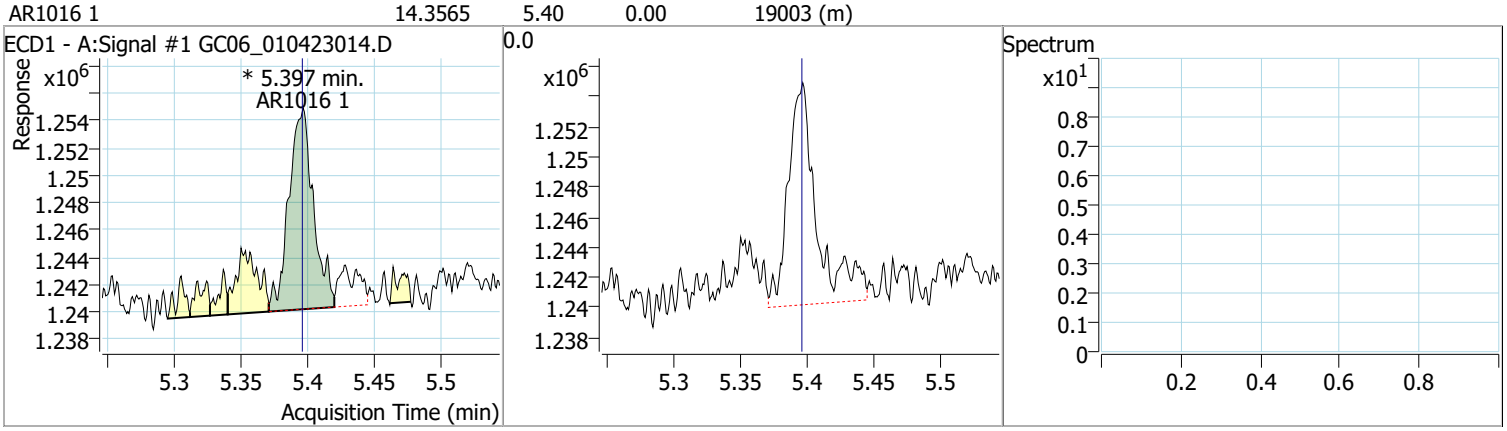
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.207	0.0	45125.214	13.6155	ng/ml		100
T AR1016 4	6.345	0.0	28450.410	13.4579	ng/ml		100
T AR1016 2 #2	6.359	0.0	118131.623	13.7567	ng/ml	m	100
T AR1016 5	6.544	0.0	17450.873	12.5726	ng/ml		100
T AR1016 3 #2	6.929	0.0	211871.543	14.0140	ng/ml	m	100
T AR1016 4 #2	7.113	0.0	146054.866	13.2385	ng/ml		100
T AR1016 5 #2	7.828	0.0	122438.120	13.8455	ng/ml		100
T AR1260 1	8.737	0.0	58725.092	13.6590	ng/ml		100
T AR1260 2	9.225	0.0	77093.101	12.8667	ng/ml		100
T AR1260 3	9.658	0.0	92948.116	13.9094	ng/ml		100
T AR1260 1 #2	9.988	0.0	232980.922	13.8555	ng/ml	m	100
T AR1260 4	10.140	0.0	39315.564	11.1747	ng/ml		100
T AR1260 2 #2	10.248	0.0	322219.665	3.8949	ng/ml		100
T AR1260 5	10.514	0.0	100081.544	13.1267	ng/ml		100
T AR1260 3 #2	10.671	0.0	328110.897	13.3719	ng/ml		100
T AR1260 4 #2	11.084	0.0	173962.519	12.8966	ng/ml		100
T AR1260 5 #2	11.769	0.0	307711.347	13.8474	ng/ml		100

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

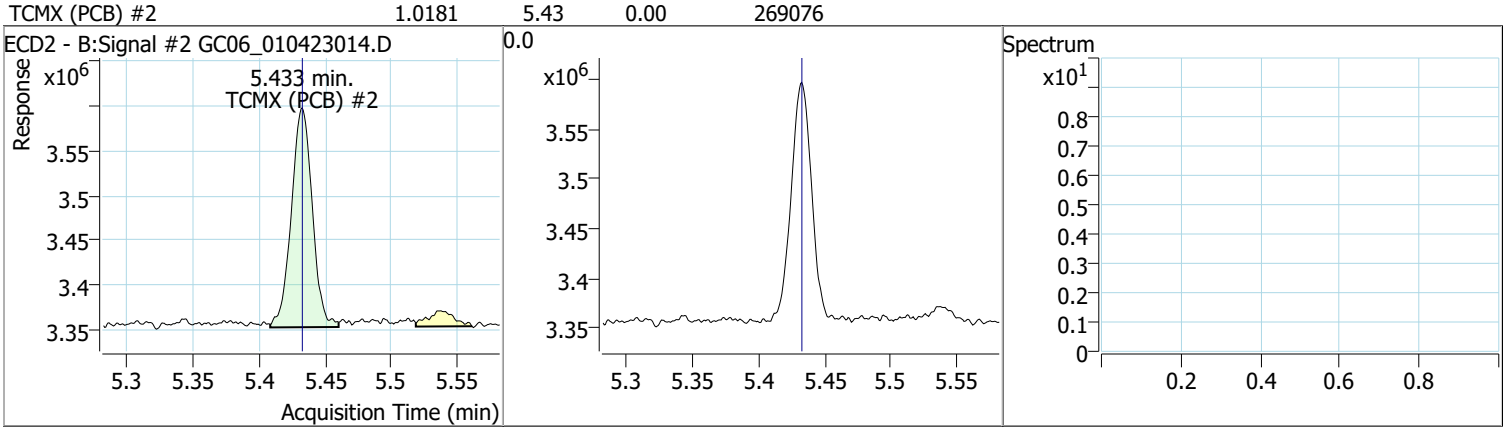
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.1693	5.05	0.00	67291				



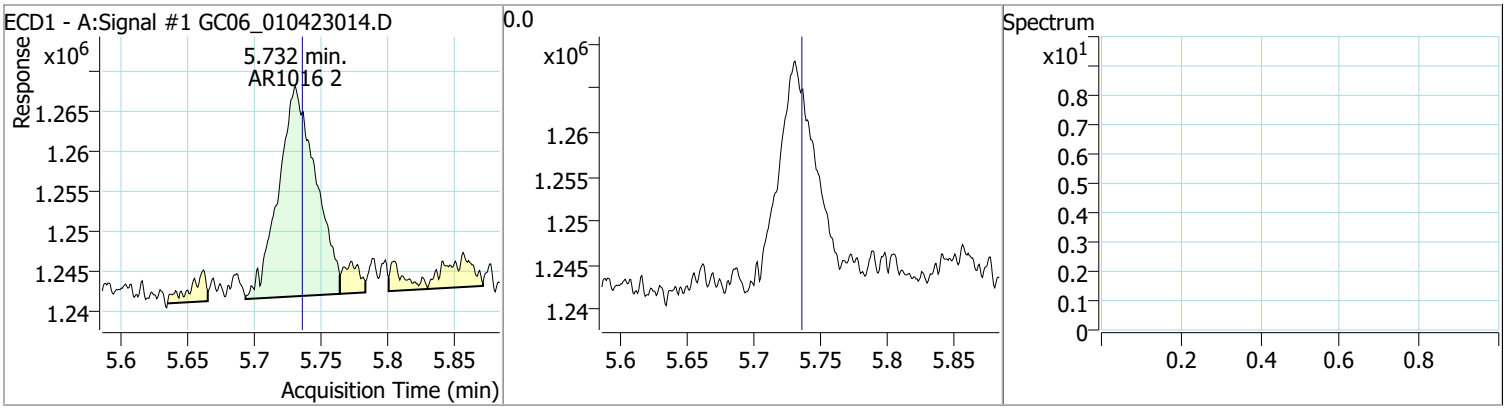
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	14.3565	5.40	0.00	19003 (m)				



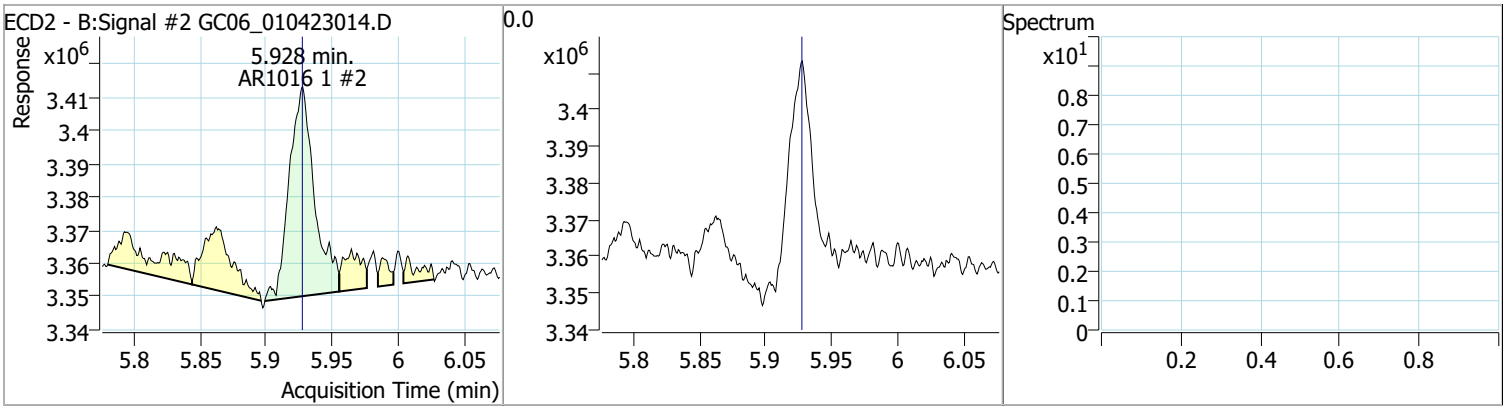
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0181	5.43	0.00	269076				



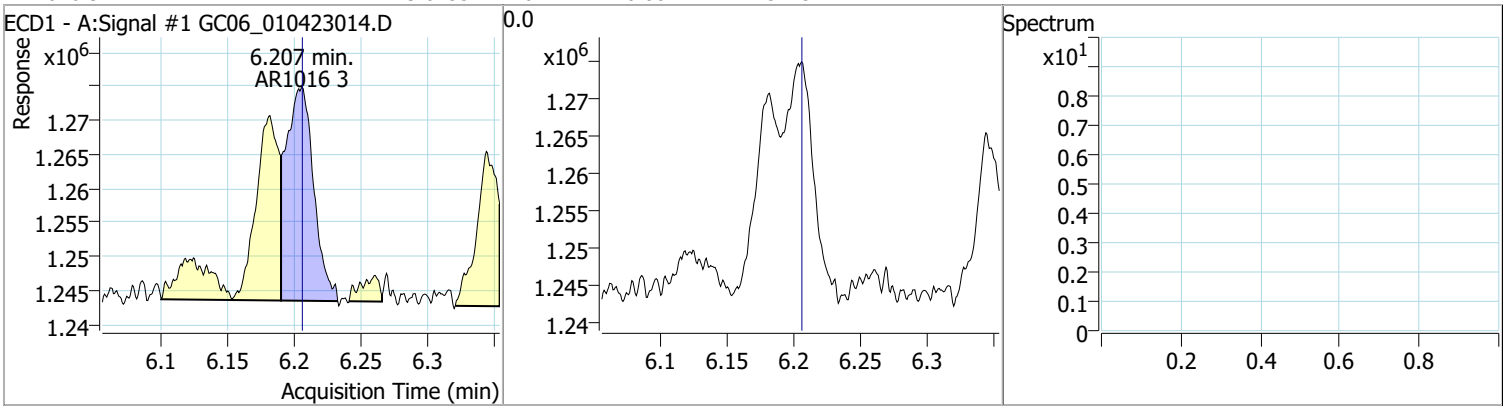
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	9.6347	5.73	0.00	51153				



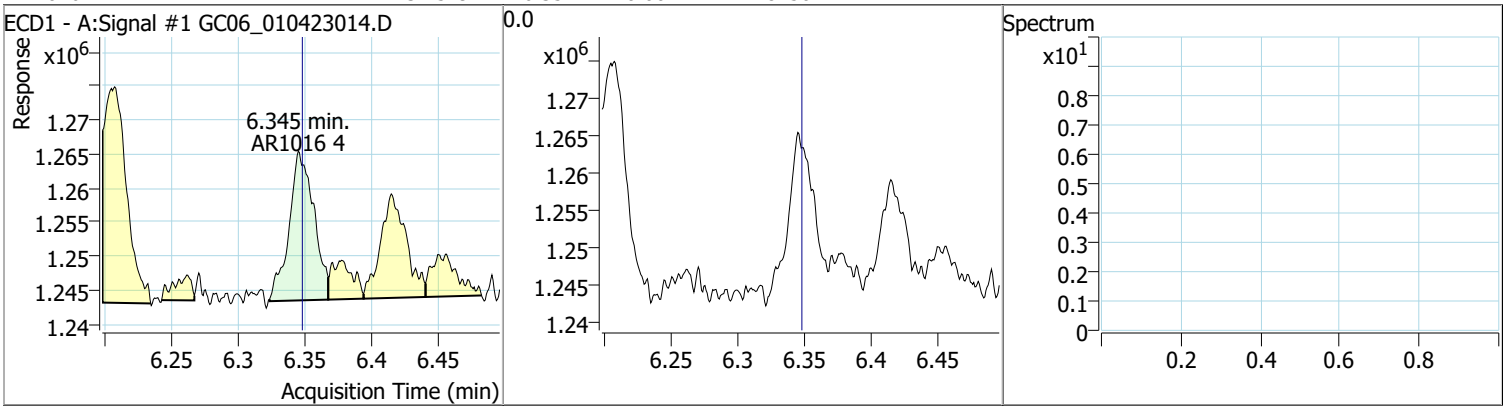
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.1102	5.93	0.00	84023				



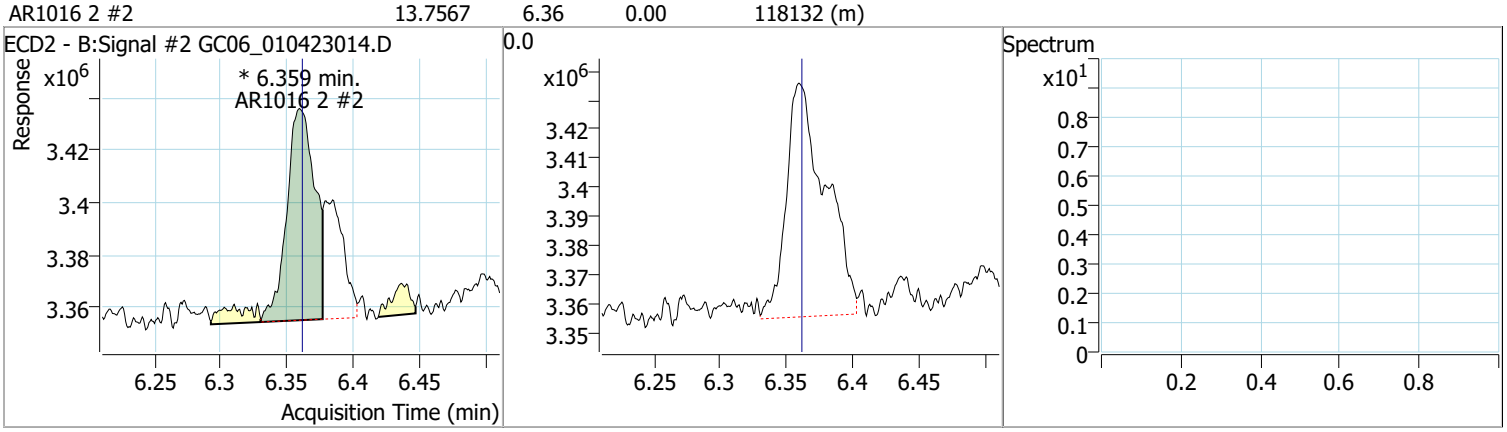
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	13.6155	6.21	0.00	45125				



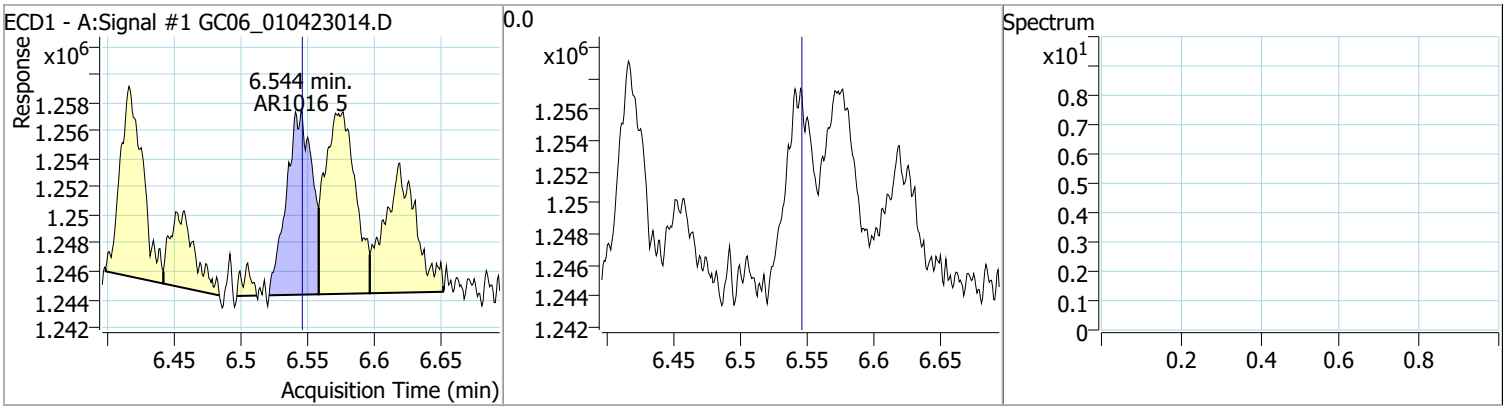
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	13.4579	6.35	0.00	28450				



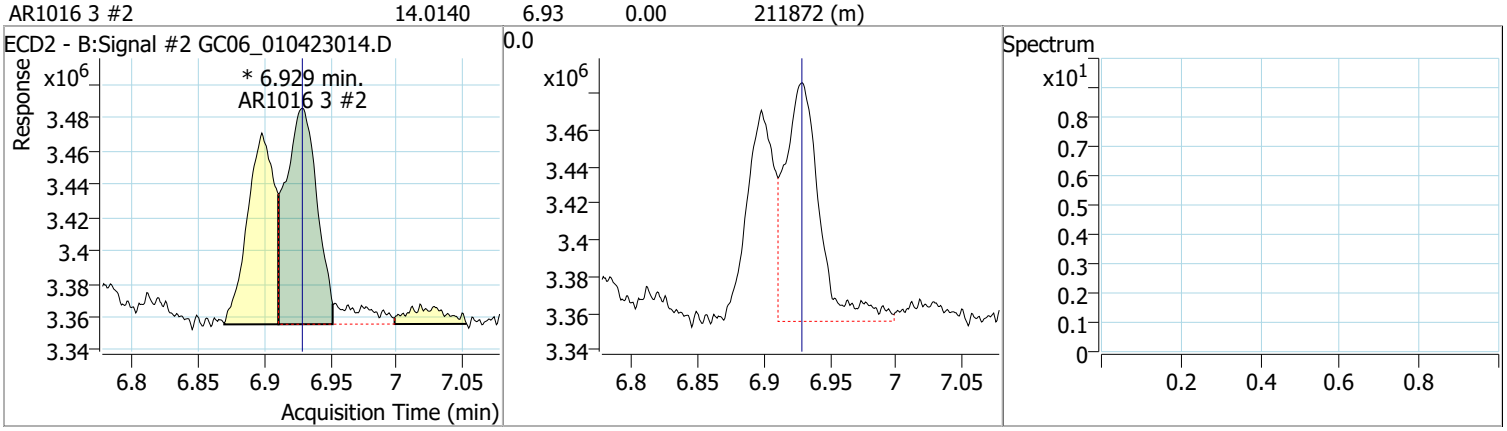
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.7567	6.36	0.00	118132 (m)				



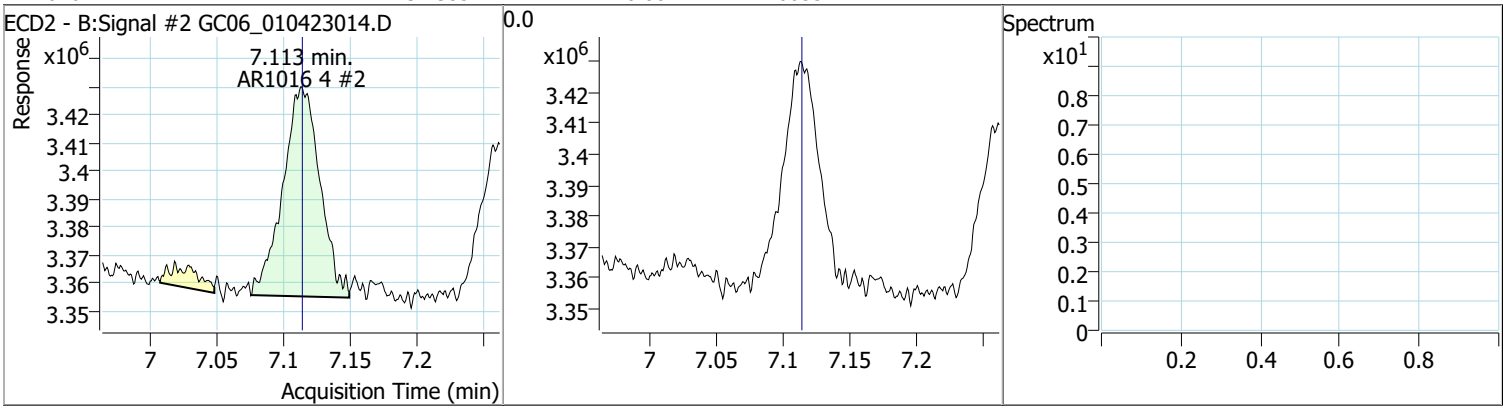
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	12.5726	6.54	0.00	17451				



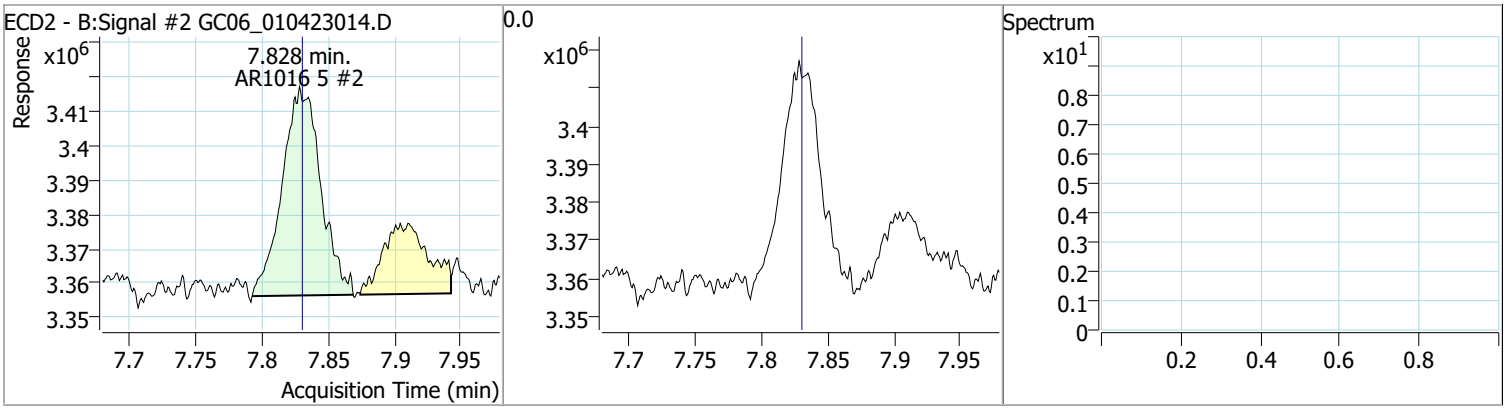
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	14.0140	6.93	0.00	211872 (m)				



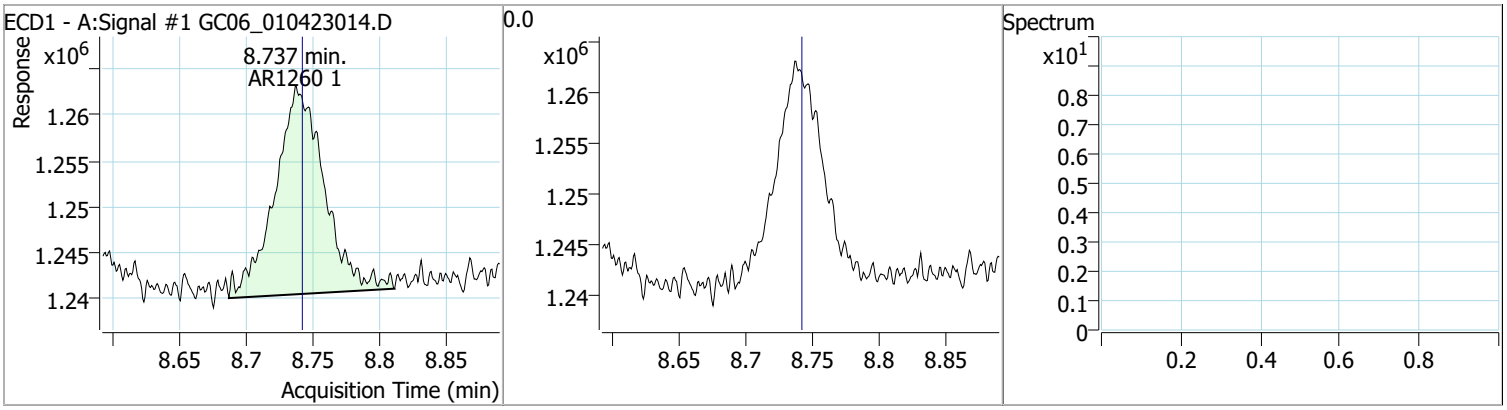
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AR1016 4 #2	13.2385	7.11	0.00	146055				



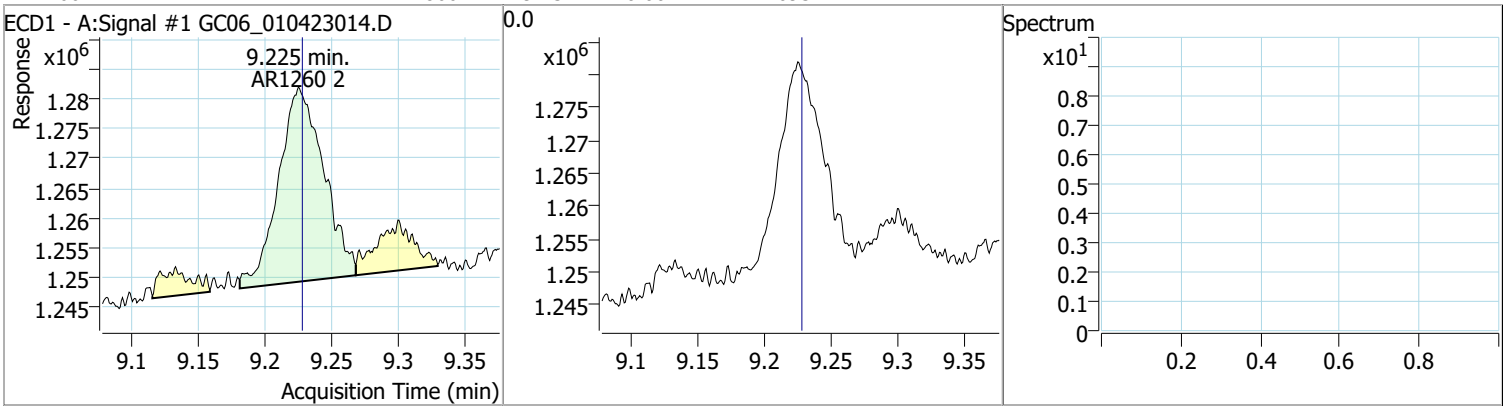
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	13.8455	7.83	0.00	122438				



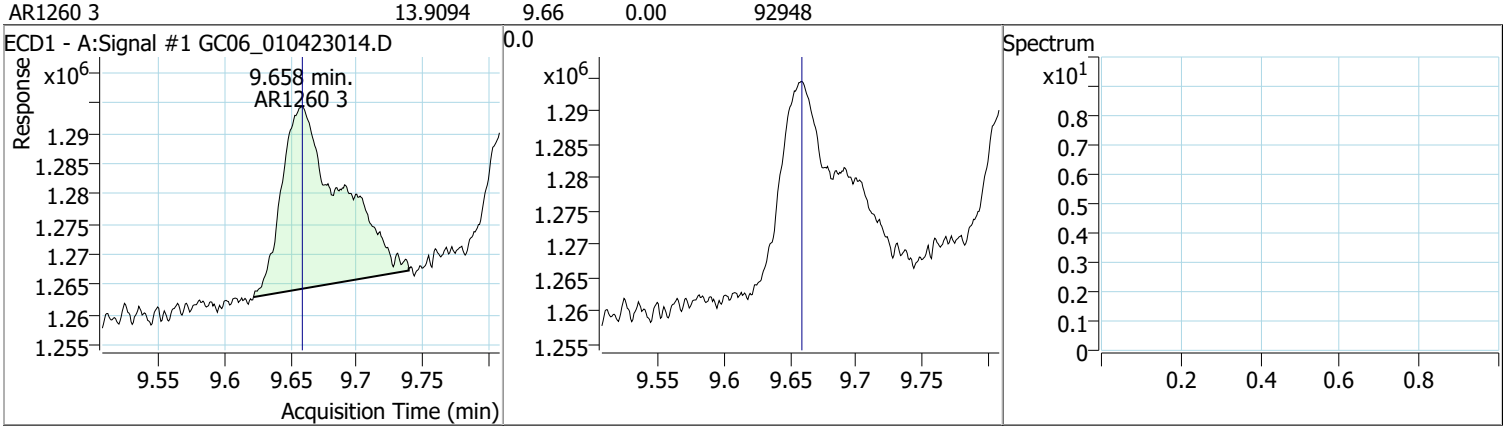
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	13.6590	8.74	0.00	58725				



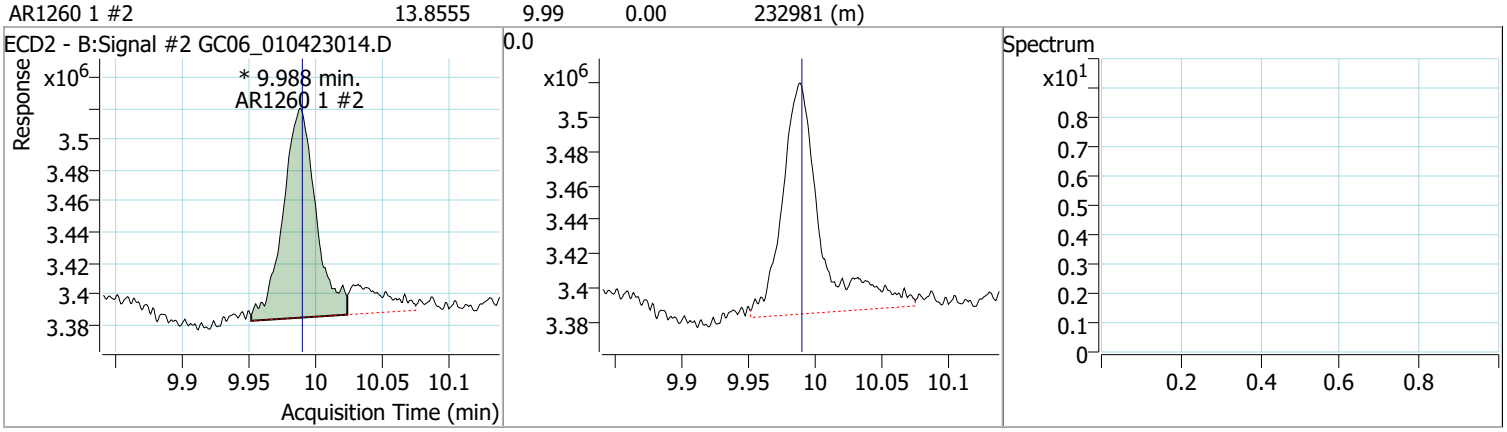
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	12.8667	9.23	0.00	77093				



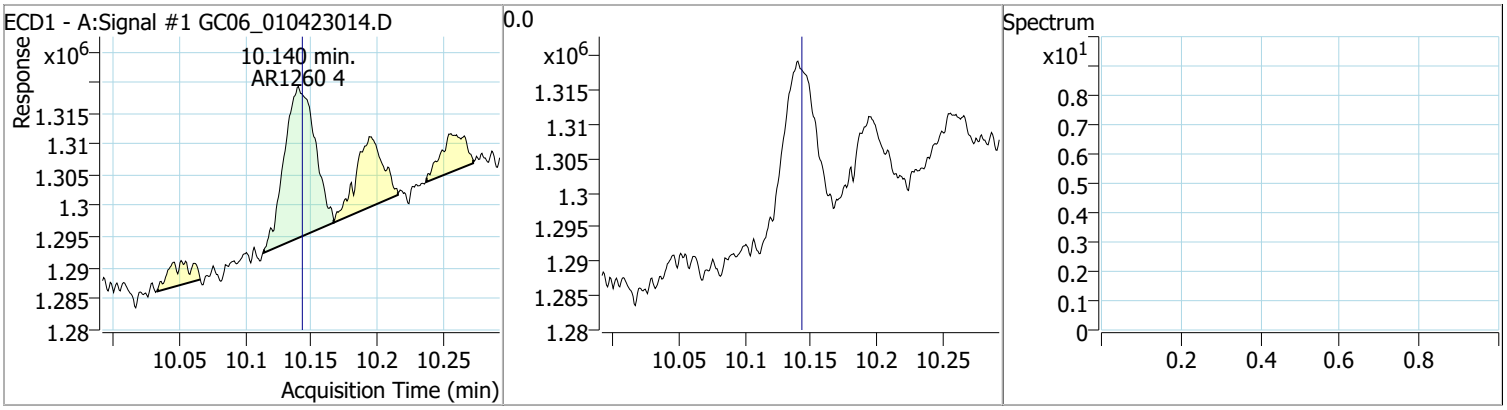
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	13.9094	9.66	0.00	92948				



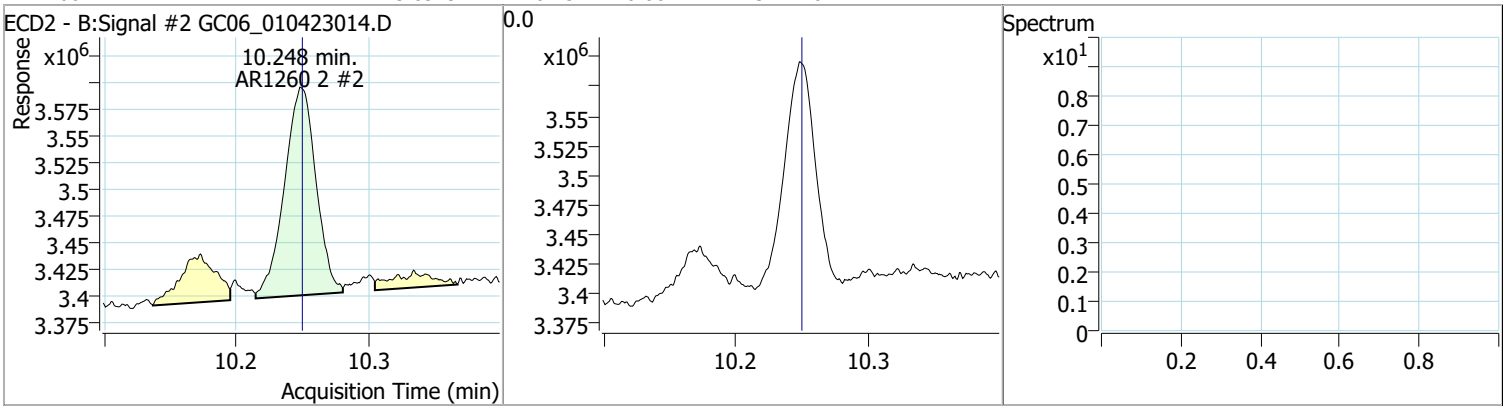
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.8555	9.99	0.00	232981 (m)				



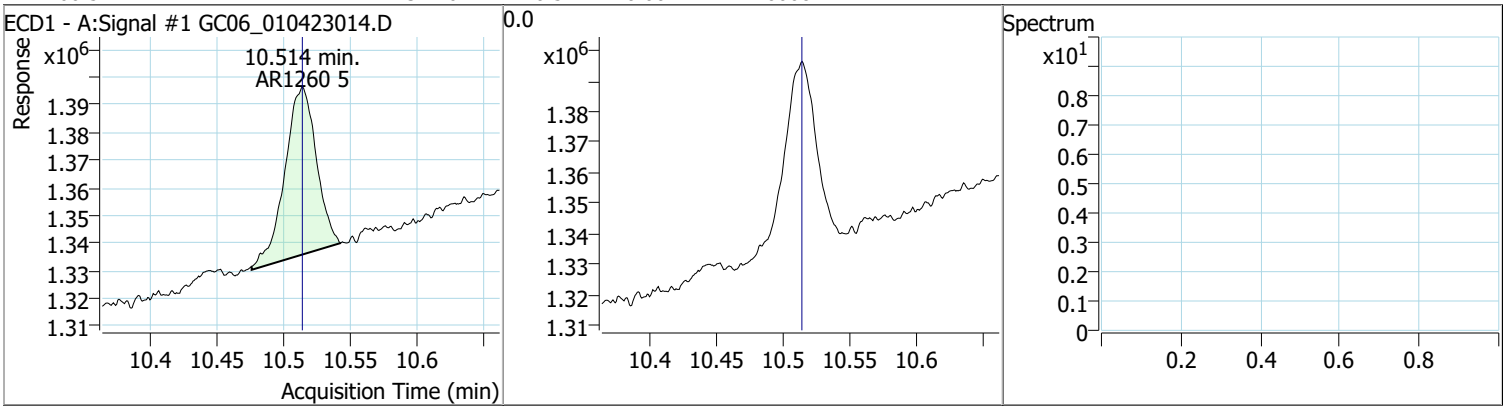
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.1747	10.14	0.00	39316				



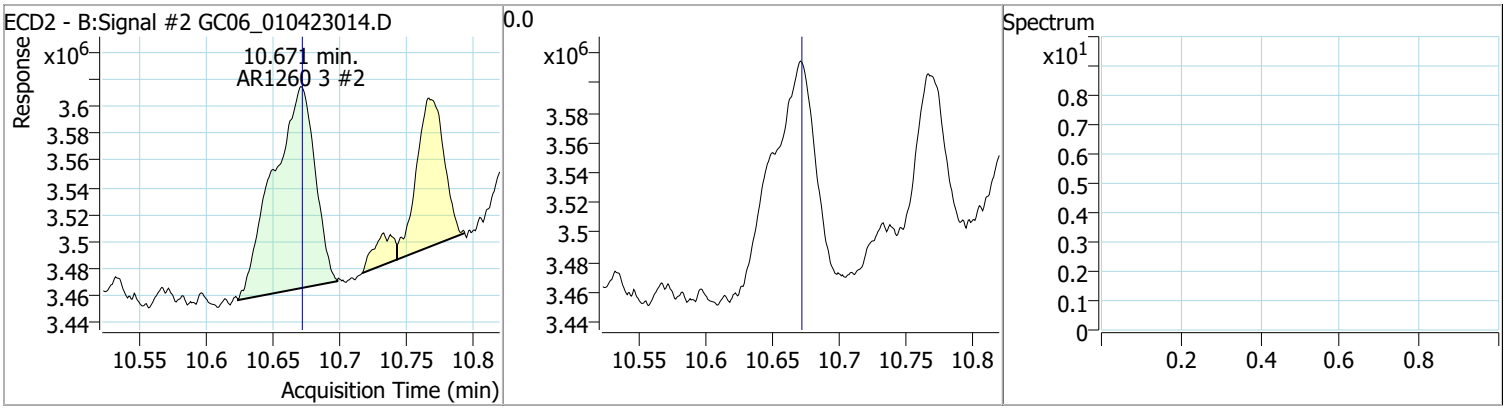
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.8949	10.25	0.00	322220				



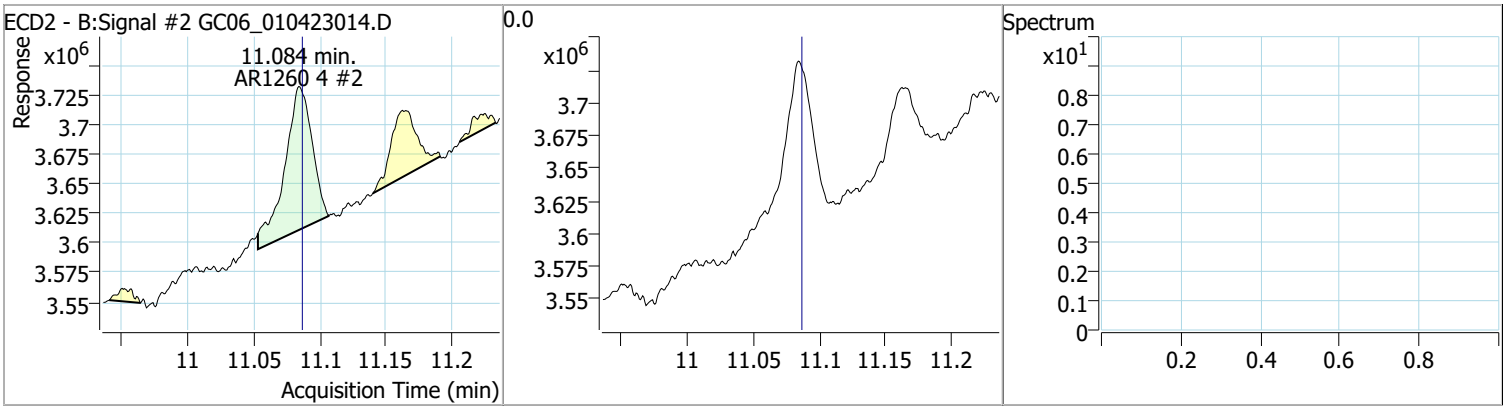
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.1267	10.51	0.00	100082				



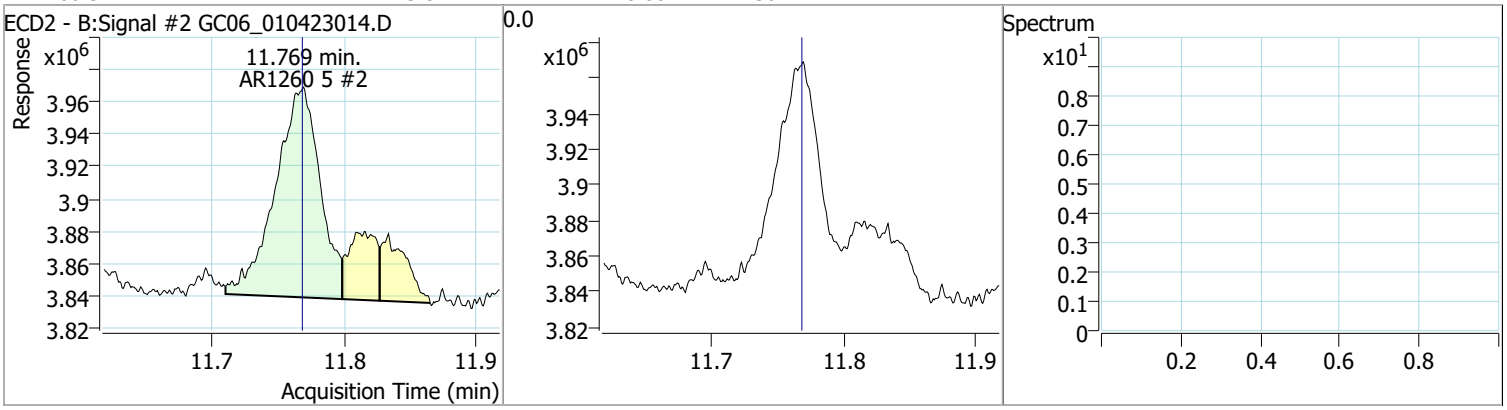
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.3719	10.67	0.00	328111				



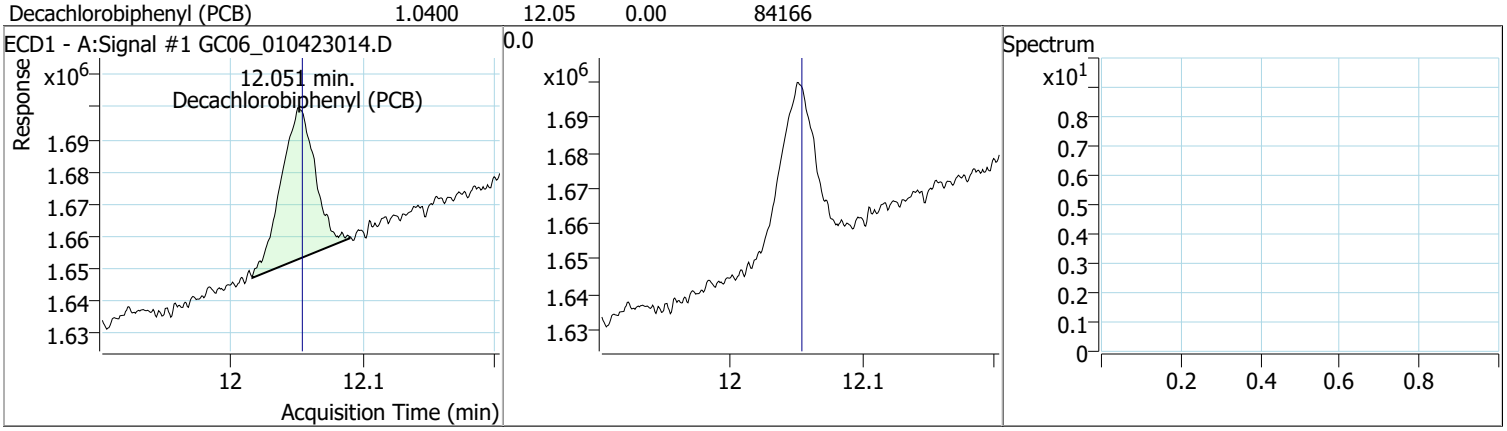
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	12.8966	11.08	0.00	173963				



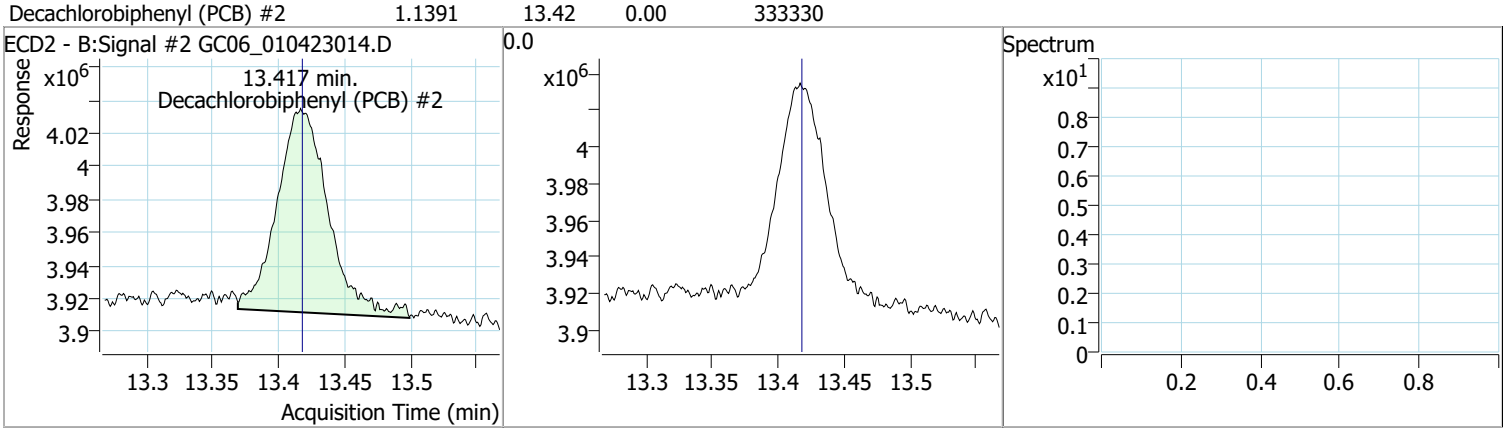
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.8474	11.77	0.00	307711				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.0400	12.05	0.00	84166				

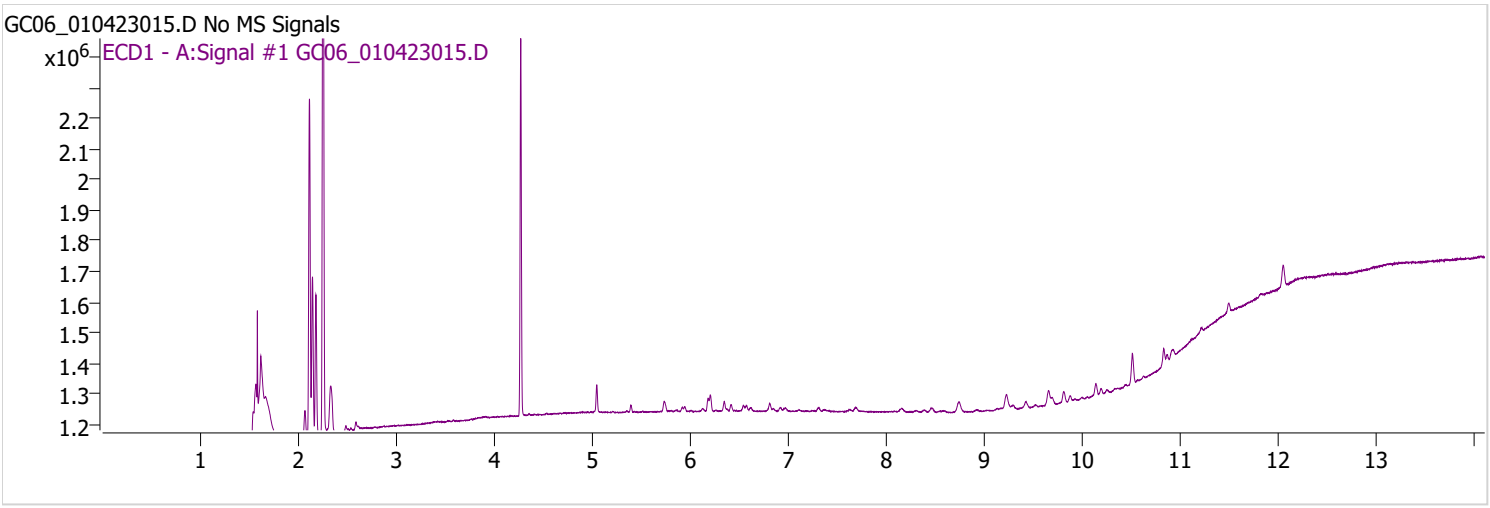


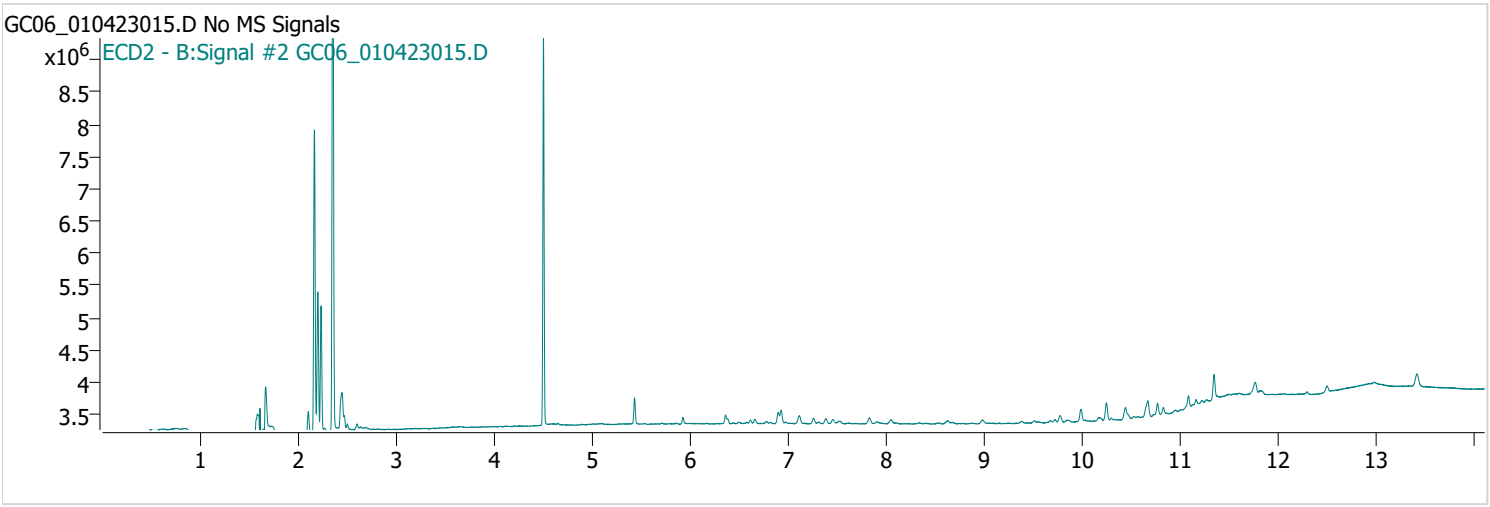
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.1391	13.42	0.00	333330				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 3:49:38 PM
Sample Name	ICAL, S17797	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



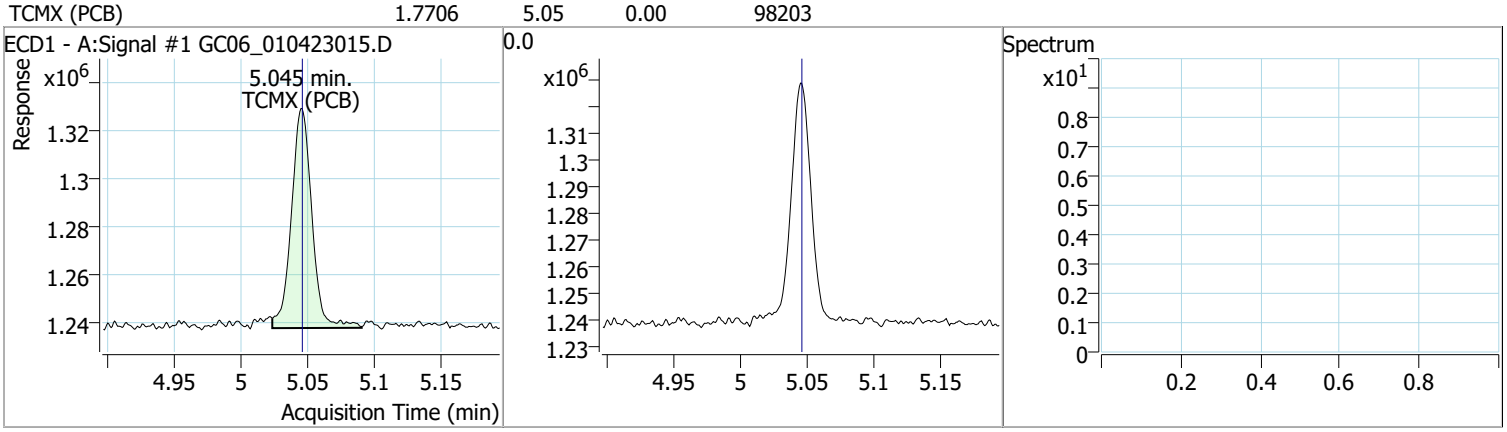


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1119288.135	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5221373.477	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	98203.086	1.7706	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.85%		*	
S TCMX (PCB) #2	5.432	0.0	458511.791	1.7912	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.96%		*	
S Decachlorobiphenyl (PCB)	12.053	0.0	131267.723	1.6831	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.42%		*	
S Decachlorobiphenyl (PCB) #2	13.421	0.0	533786.296	1.8833	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.42%		*	
Target Compounds							**QValue**
T AR1016 1	5.393	0.0	28478.044	22.3233	ng/ml		100
T AR1016 2	5.733	0.0	59319.985	13.6809	ng/ml		100
T AR1016 1 #2	5.926	0.0	133522.601	23.1502	ng/ml		100

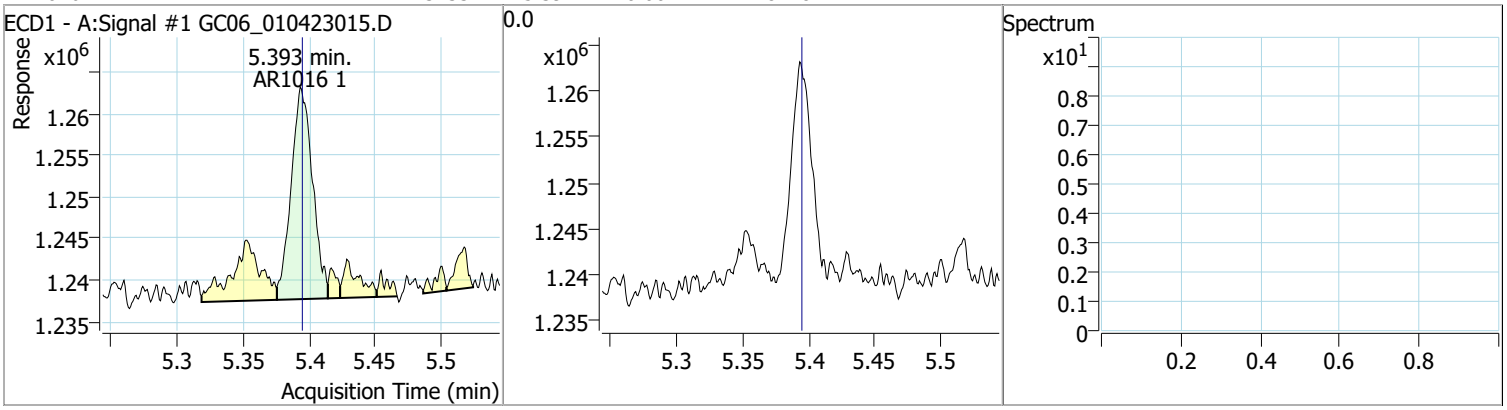
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.204	0.0	76424.873	23.9265	ng/ml		100
T AR1016 4	6.347	0.0	46094.699	22.6242	ng/ml		100
T AR1016 2 #2	6.360	0.0	188847.710	22.7052	ng/ml	m	100
T AR1016 5	6.542	0.0	28220.895	21.0966	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	330917.559	22.5983	ng/ml		100
T AR1016 4 #2	7.114	0.0	242809.730	22.7224	ng/ml		100
T AR1016 5 #2	7.828	0.0	180222.359	21.0410	ng/ml		100
T AR1260 1	8.741	0.0	91547.403	22.0939	ng/ml		100
T AR1260 2	9.228	0.0	128336.316	22.2246	ng/ml		100
T AR1260 3	9.659	0.0	142786.969	22.1711	ng/ml	m	100
T AR1260 1 #2	9.988	0.0	357024.119	21.9213	ng/ml	m	100
T AR1260 4	10.141	0.0	68614.088	20.2356	ng/ml		100
T AR1260 2 #2	10.248	0.0	450528.847	11.9379	ng/ml		100
T AR1260 5	10.513	0.0	149518.865	20.3484	ng/ml		100
T AR1260 3 #2	10.672	0.0	564636.623	23.7578	ng/ml		100
T AR1260 4 #2	11.086	0.0	271232.553	20.7600	ng/ml	m	100
T AR1260 5 #2	11.768	0.0	497965.394	23.1361	ng/ml		100

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

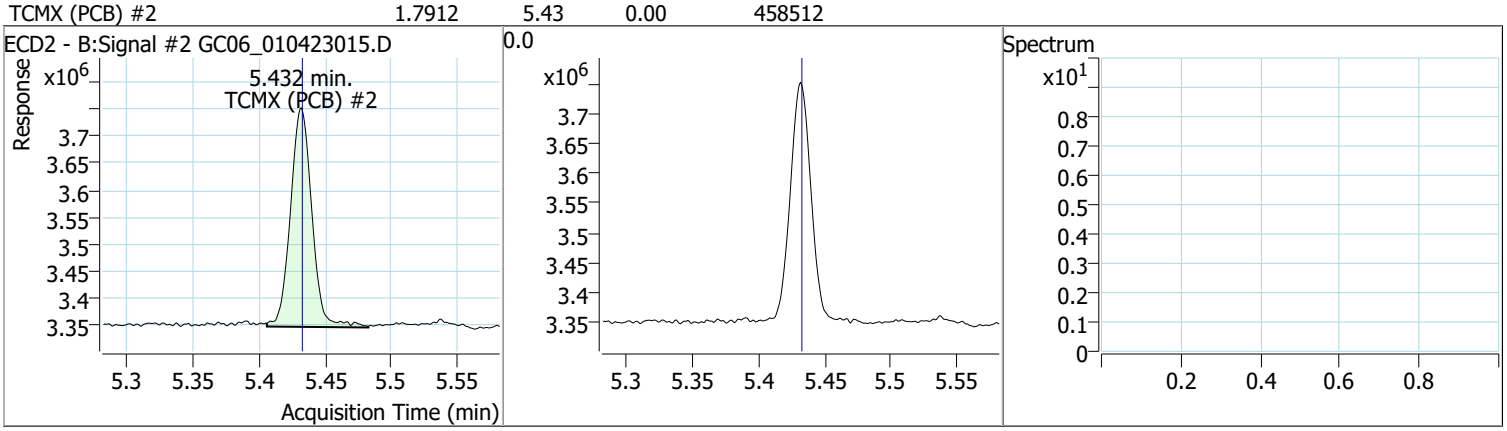
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.7706	5.05	0.00	98203				



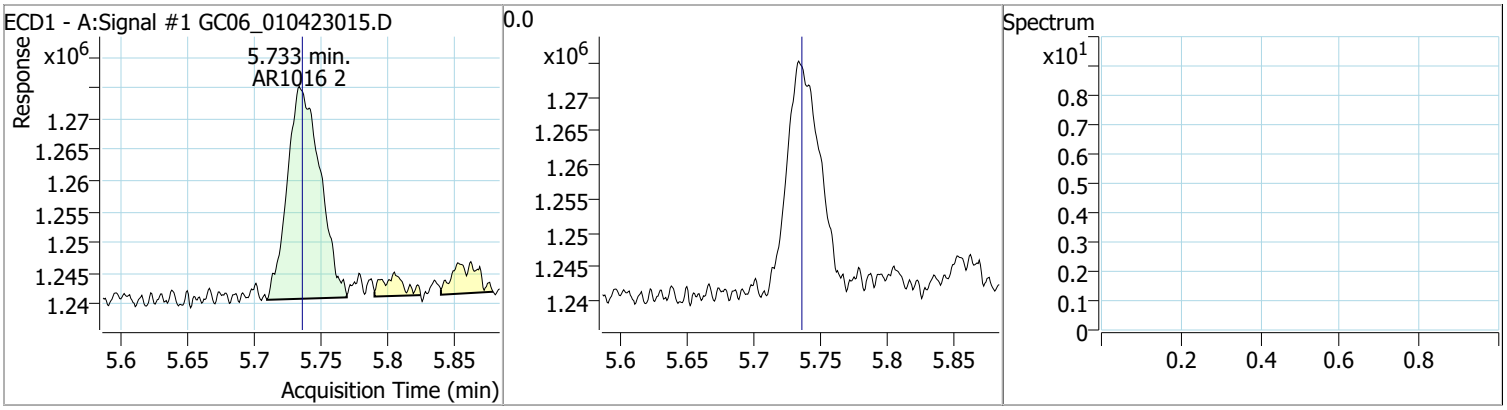
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.3233	5.39	0.00	28478				



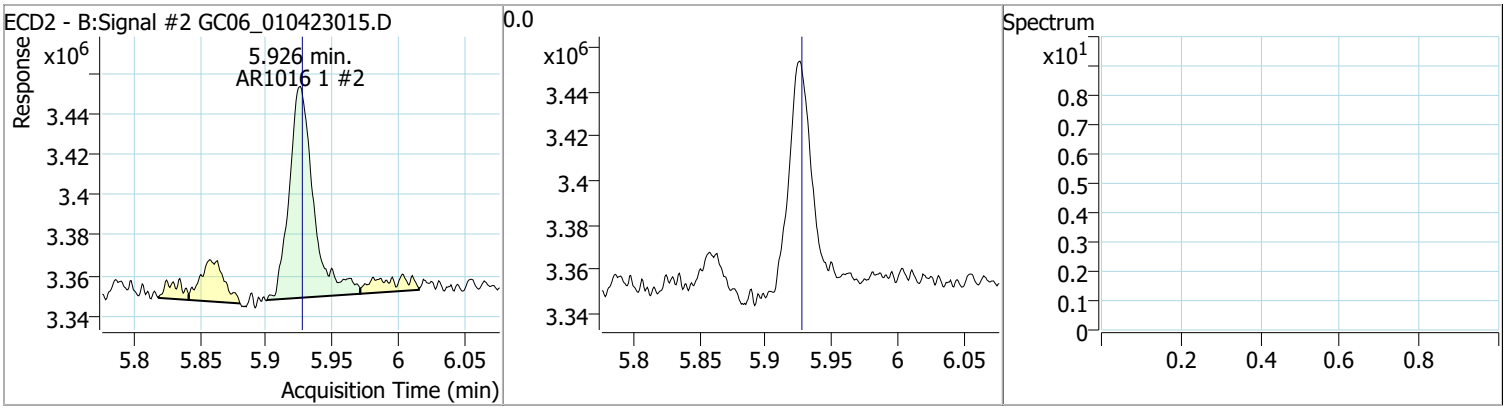
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.7912	5.43	0.00	458512				



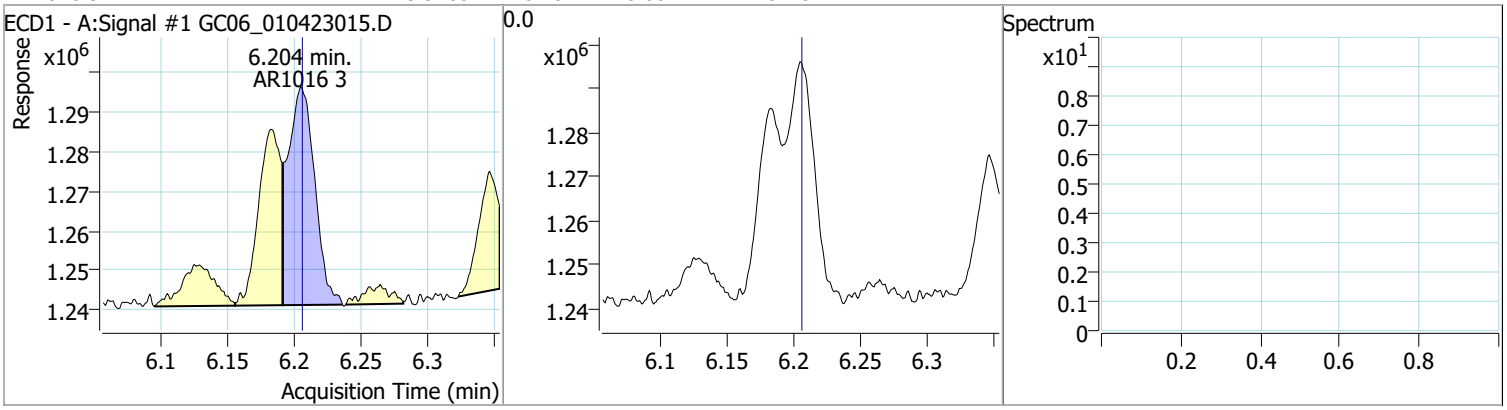
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	13.6809	5.73	0.00	59320				



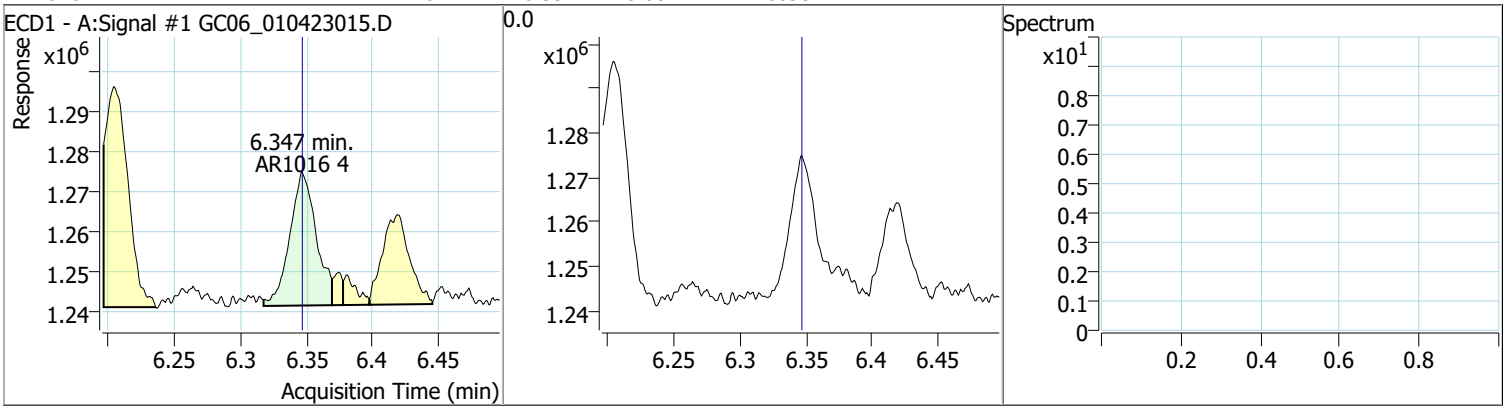
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.1502	5.93	0.00	133523				



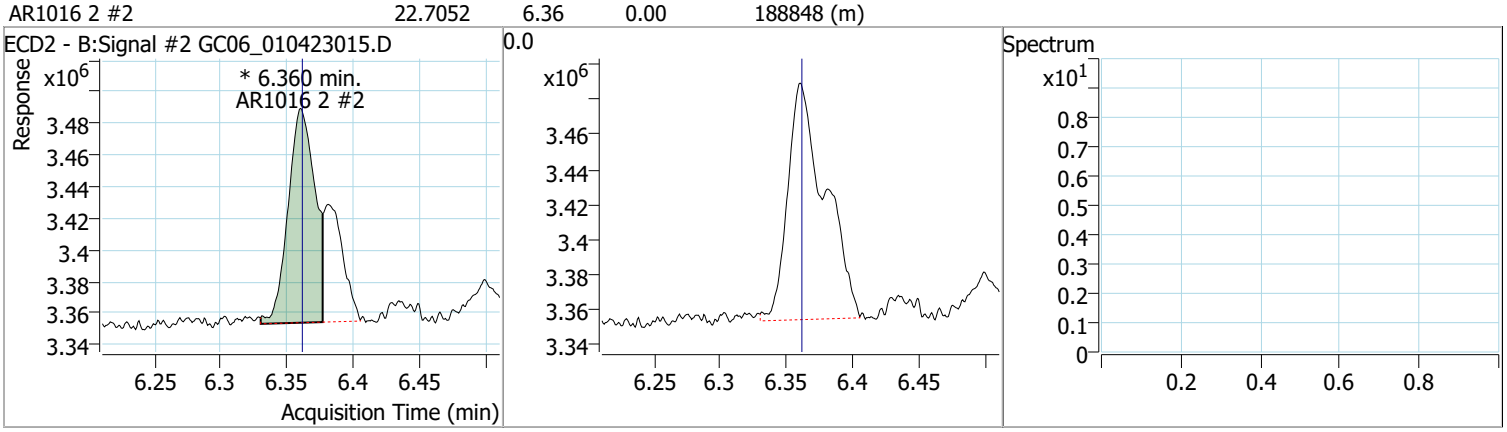
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.9265	6.20	0.00	76425				



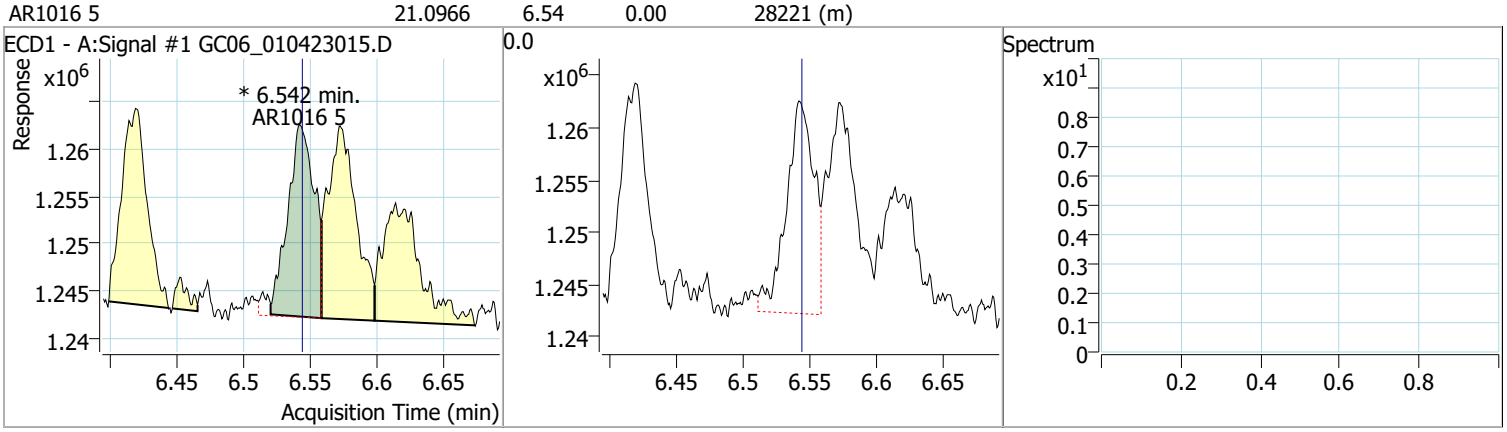
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AR1016 4	22.6242	6.35	0.00	46095				



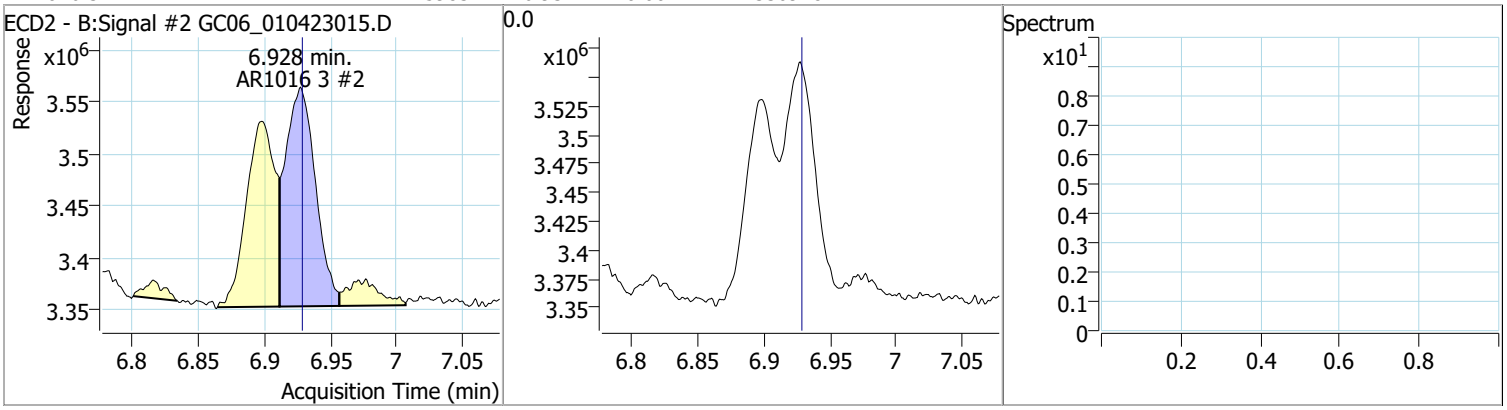
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AR1016 2 #2	22.7052	6.36	0.00	188848 (m)				



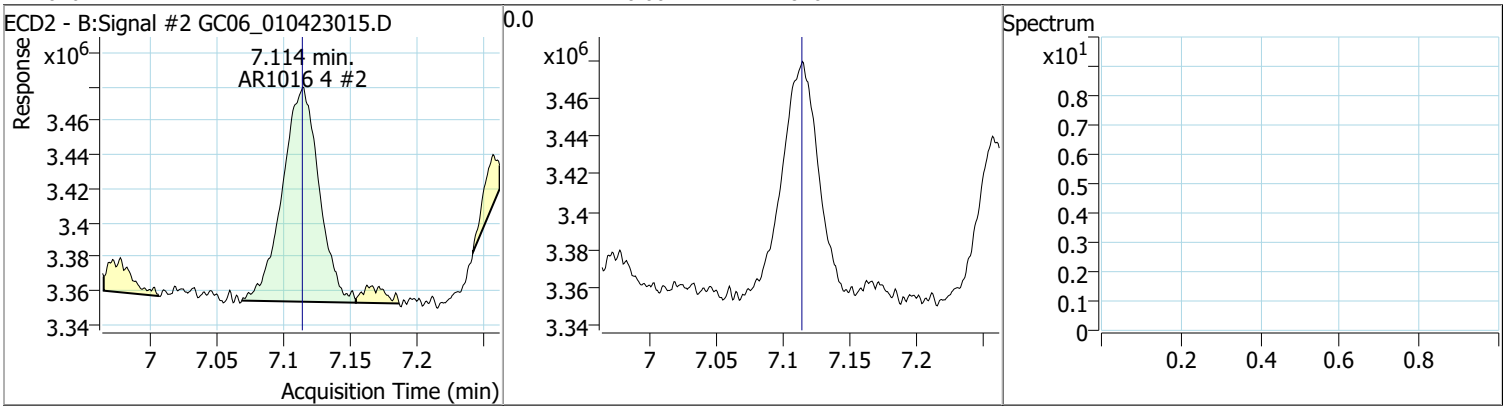
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.0966	6.54	0.00	28221 (m)				



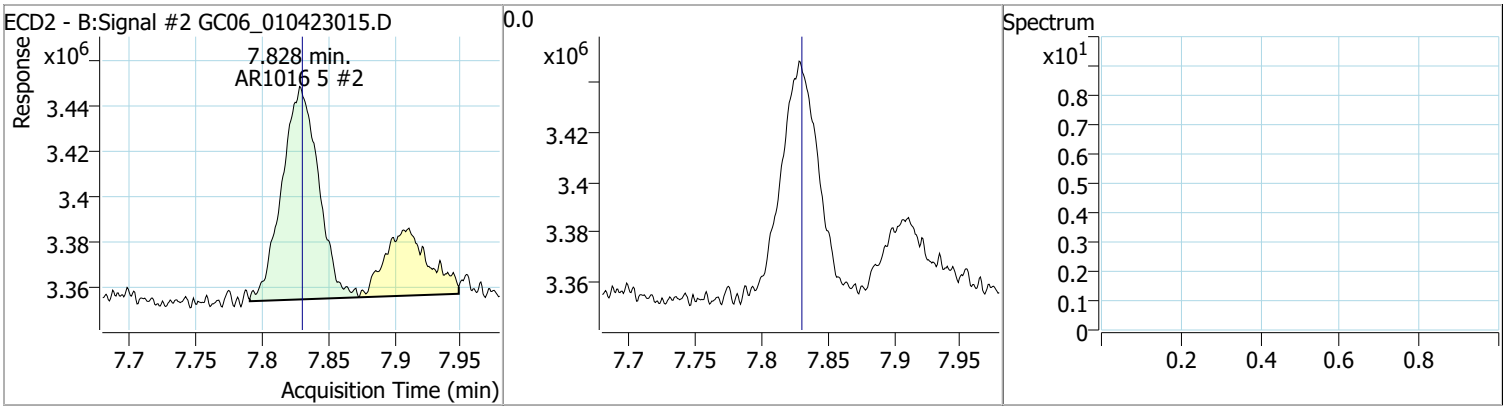
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AR1016 3 #2	22.5983	6.93	0.00	330918				



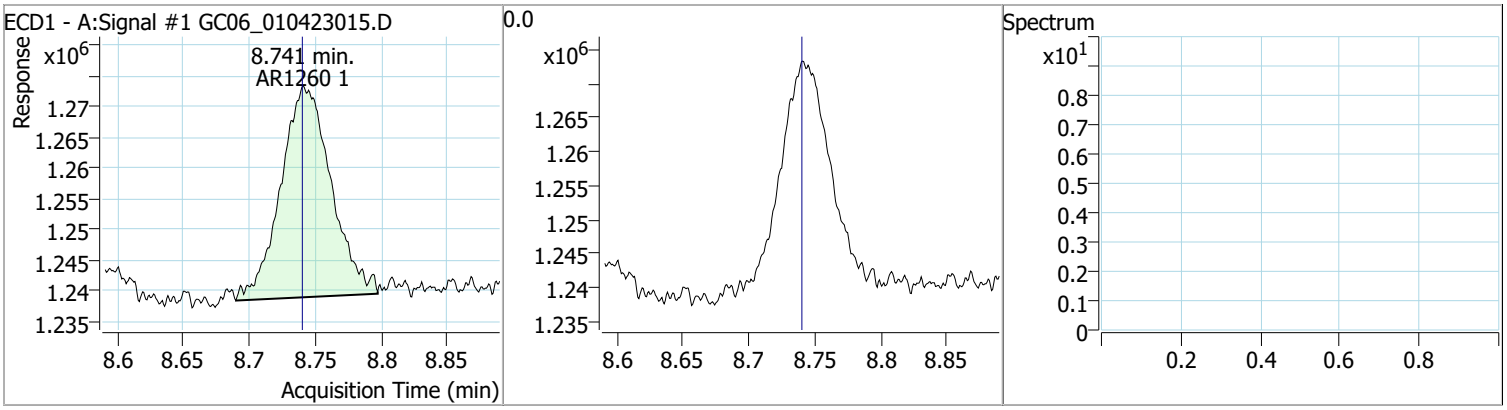
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AR1016 4 #2	22.7224	7.11	0.00	242810				



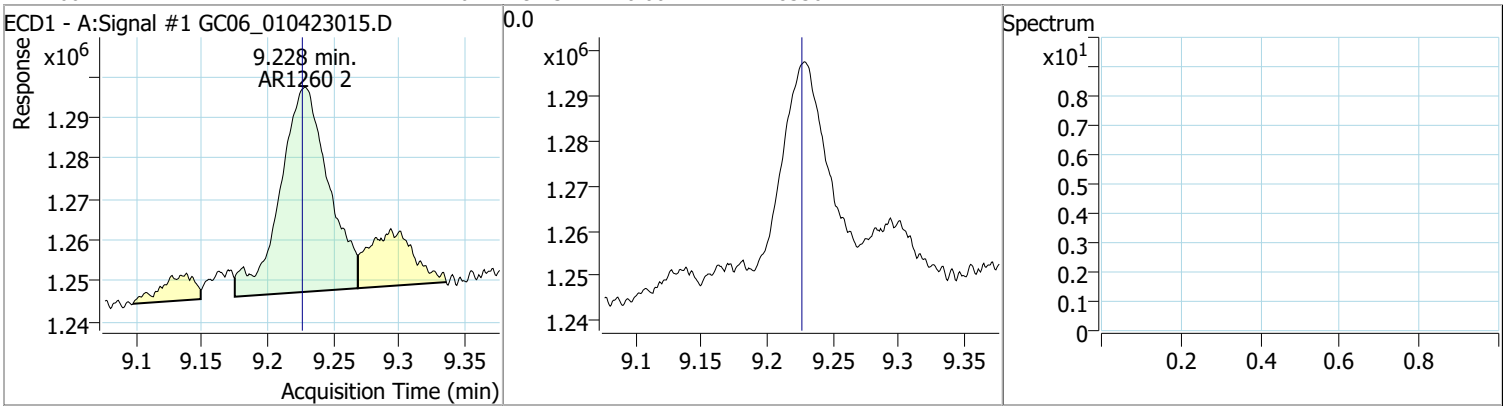
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AR1016 5 #2	21.0410	7.83	0.00	180222				



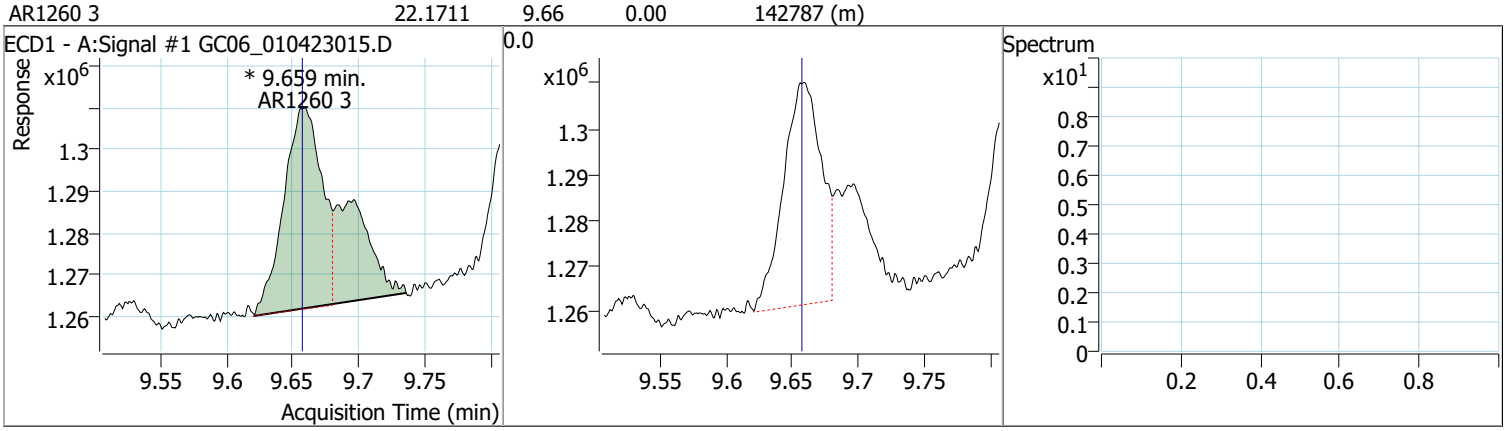
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	22.0939	8.74	0.00	91547				



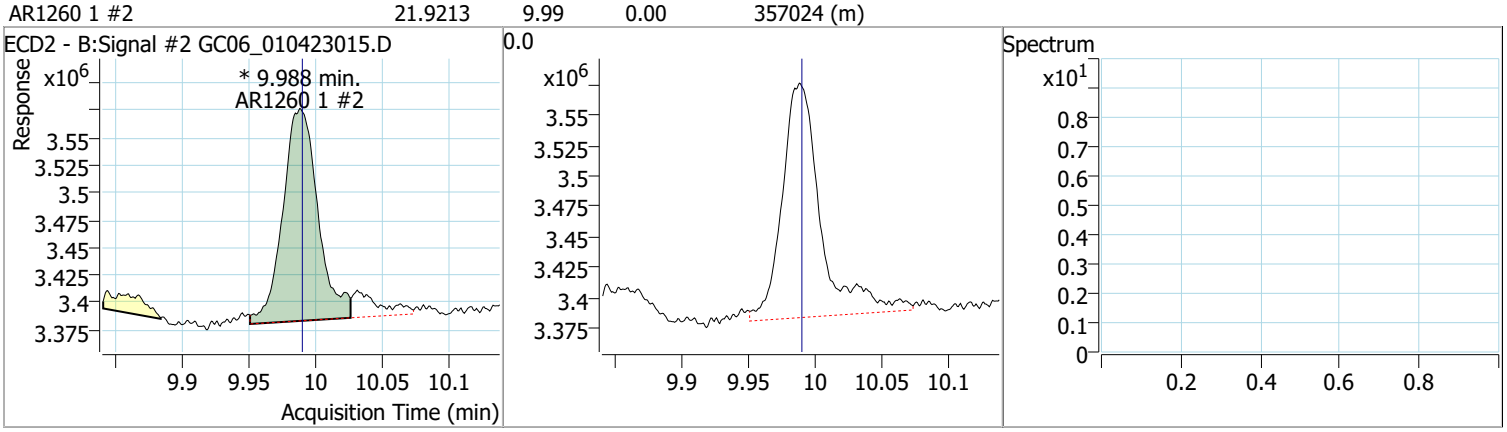
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.2246	9.23	0.00	128336				



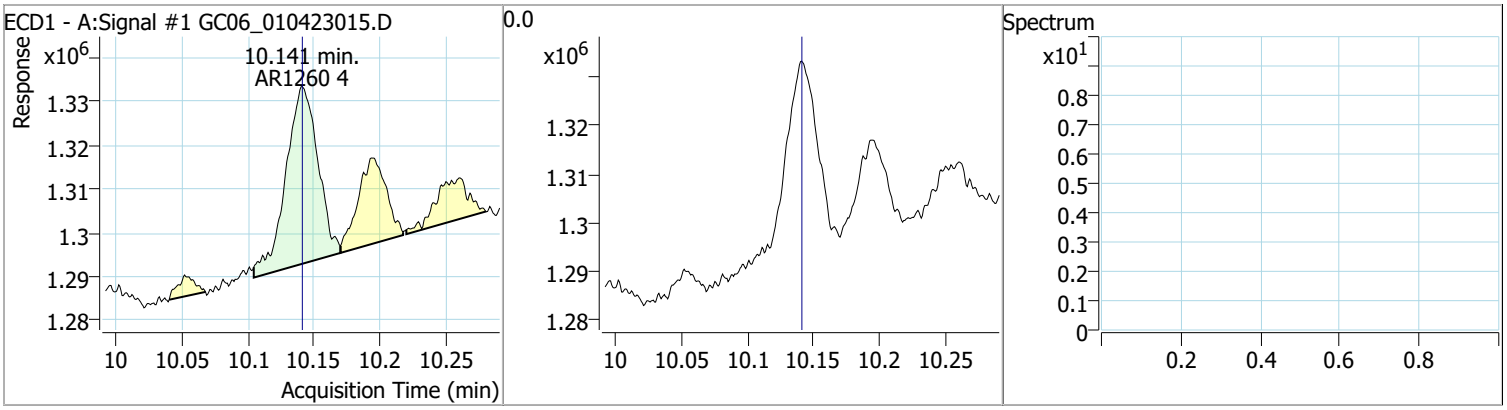
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.1711	9.66	0.00	142787 (m)				



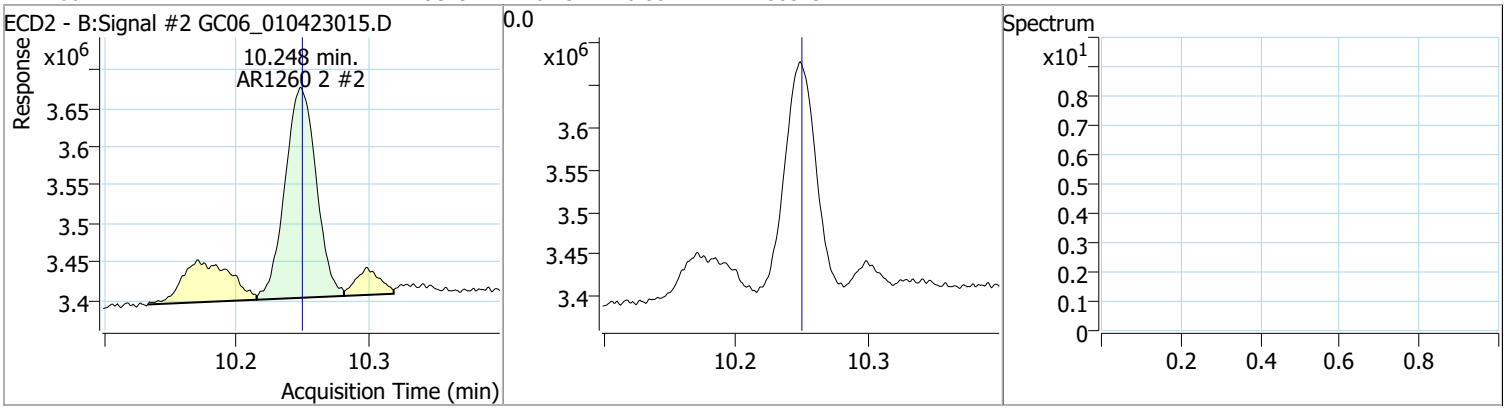
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AR1260 1 #2	21.9213	9.99	0.00	357024 (m)				



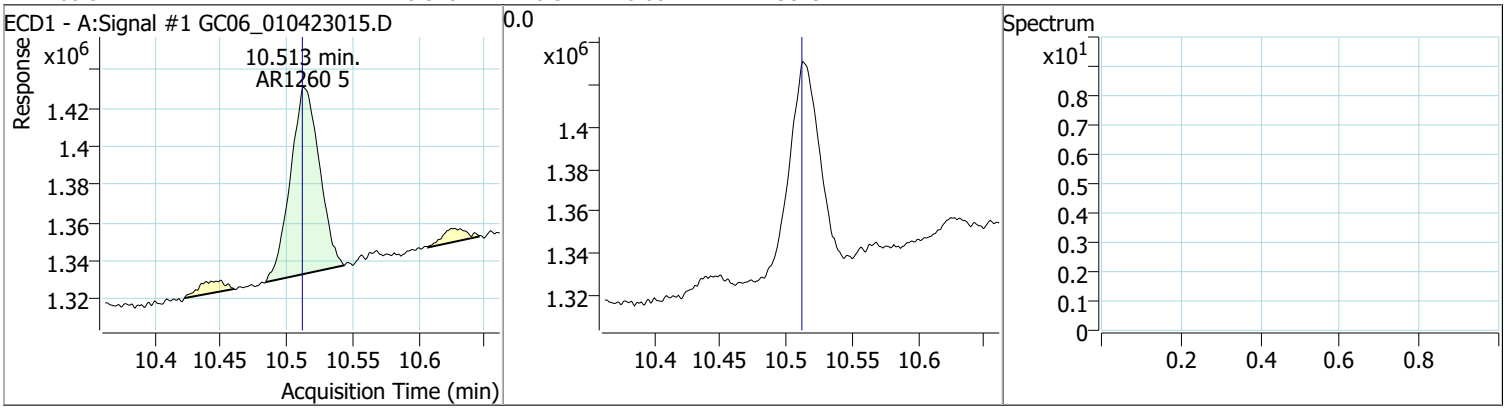
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	20.2356	10.14	0.00	68614				



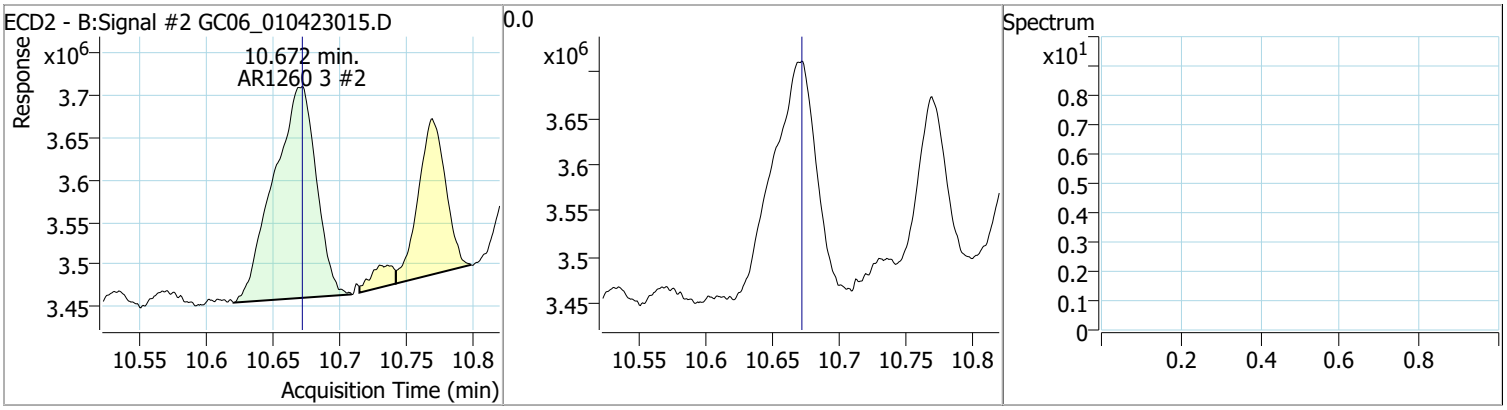
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	11.9379	10.25	0.00	450529				



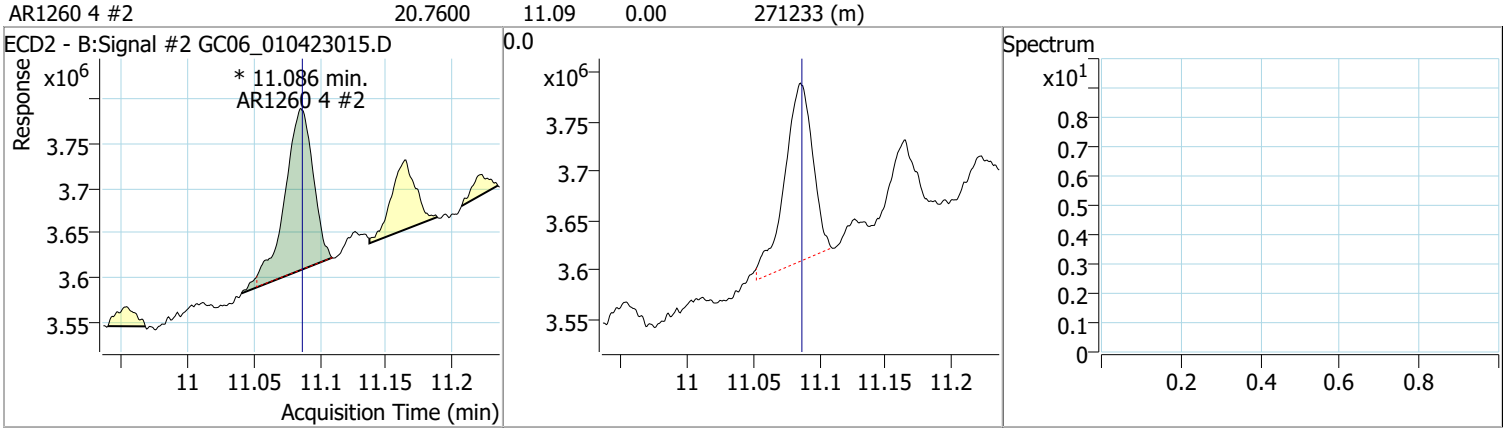
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.3484	10.51	0.00	149519				



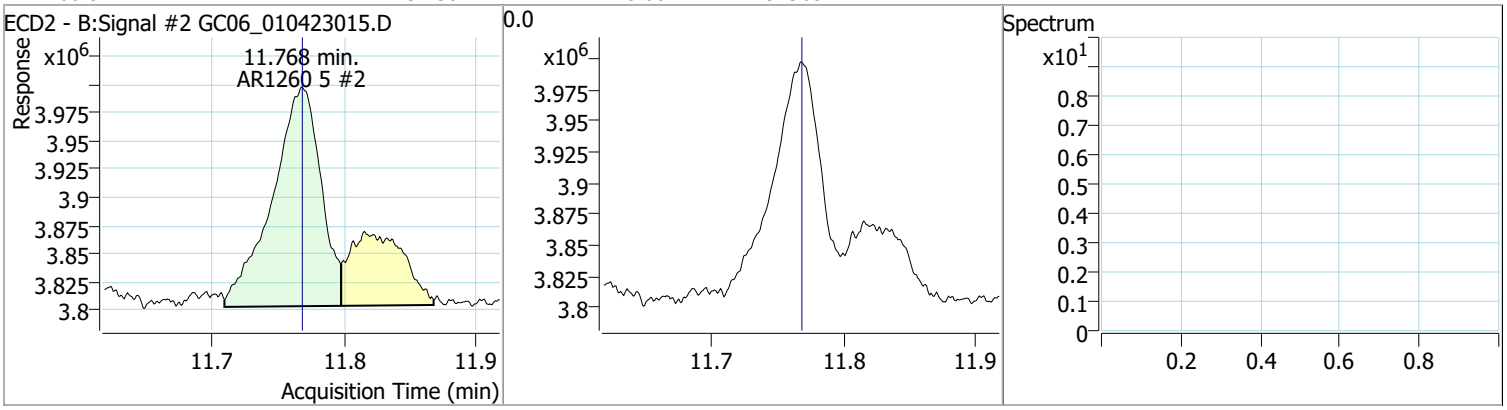
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.7578	10.67	0.00	564637				



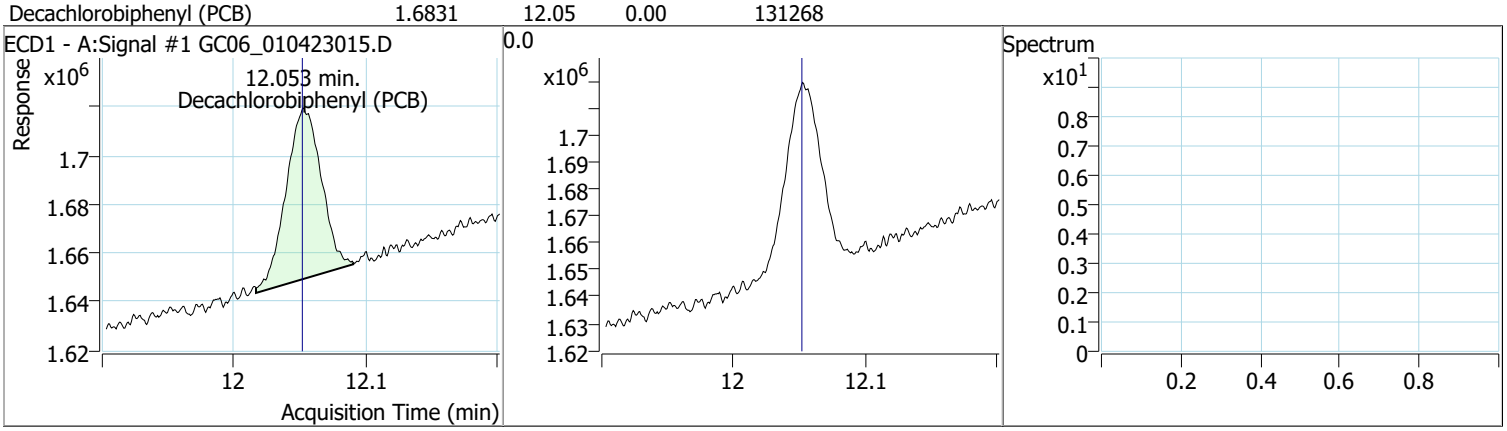
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.7600	11.09	0.00	271233 (m)				



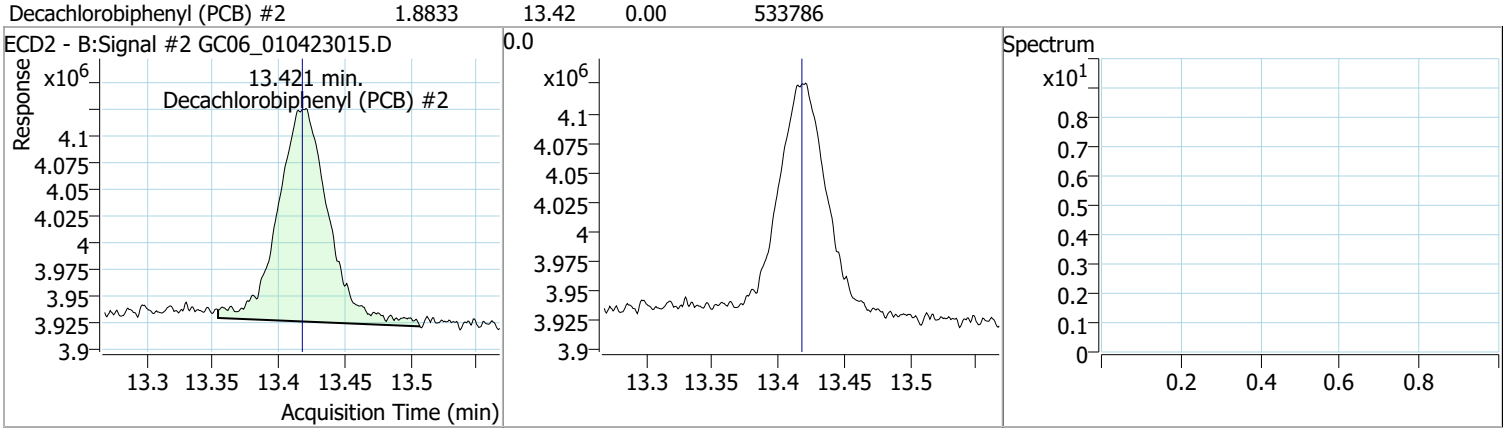
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.1361	11.77	0.00	497965				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.6831	12.05	0.00	131268				

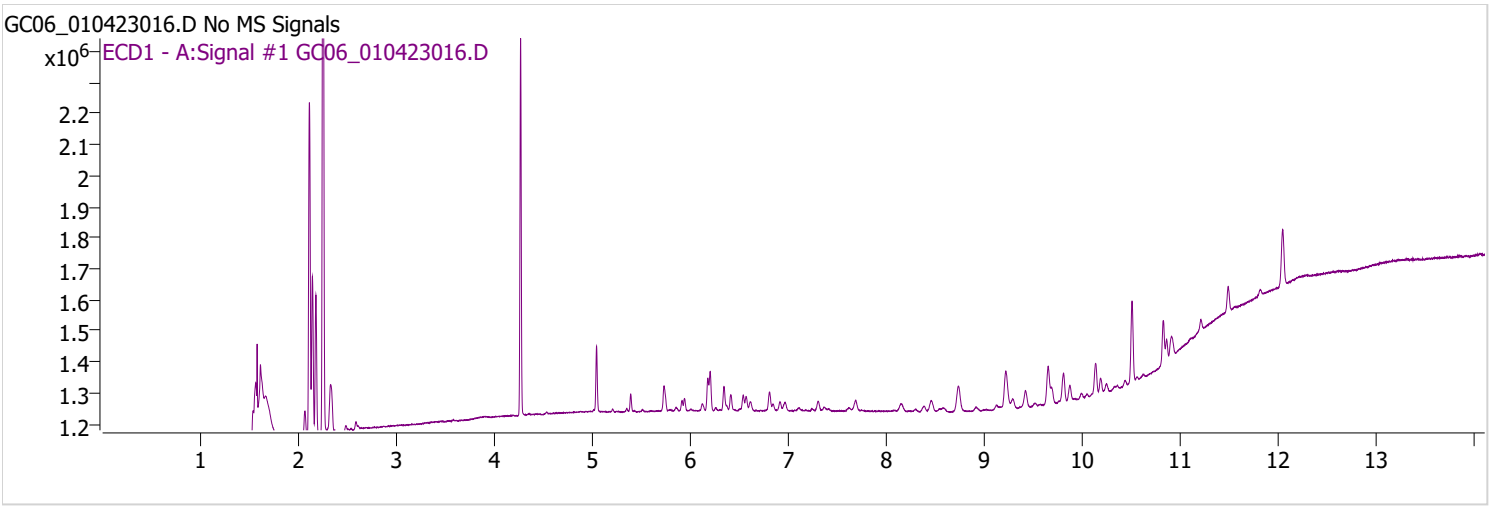


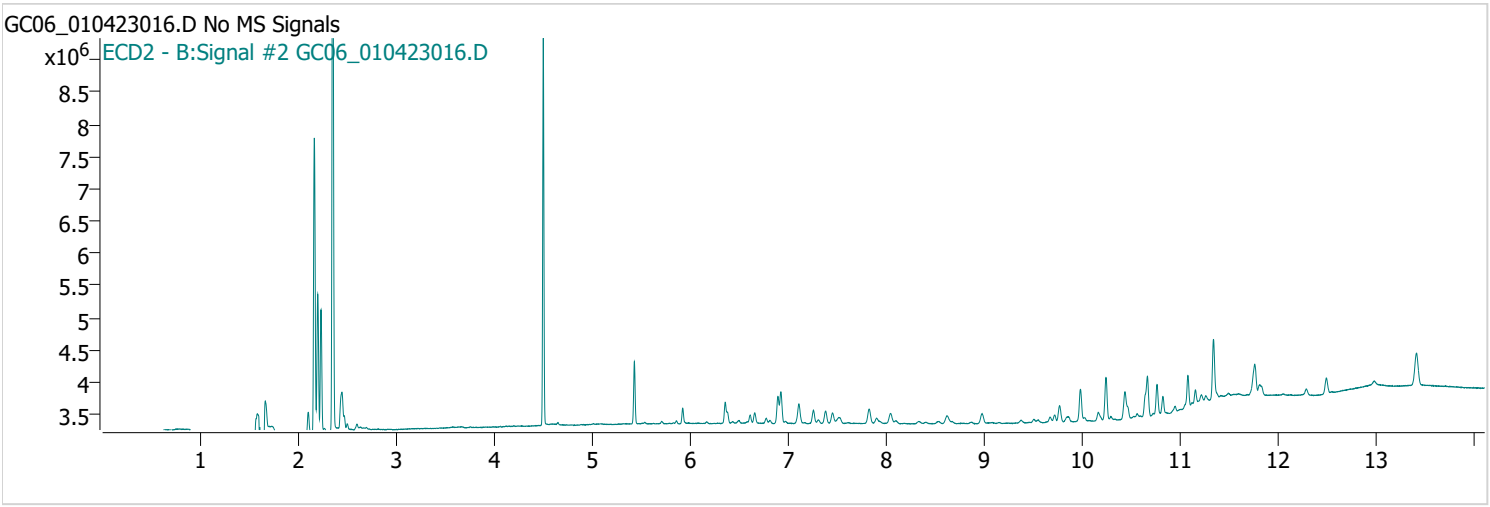
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.8833	13.42	0.00	533786				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 4:07:56 PM
Sample Name	ICAL, S17798	Instrument	SVOA-GC06
Vial	23	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



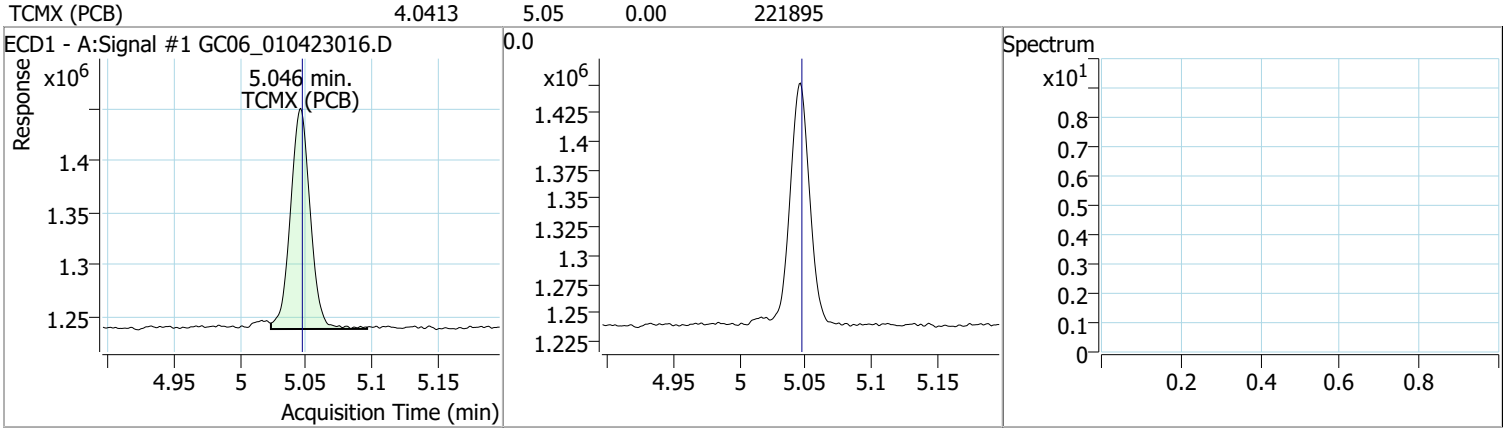


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1108047.151	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5172440.782	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	221894.712	4.0413	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.21%		*	
S TCMX (PCB) #2	5.432	0.0	1034090.219	4.0779	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.39%		*	
S Decachlorobiphenyl (PCB)	12.054	0.0	347487.596	4.5005	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.50%		*	
S Decachlorobiphenyl (PCB) #2	13.421	0.0	1280718.307	4.5613	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.81%		*	
Target Compounds							QValue
T AR1016 1	5.394	0.0	62721.495	49.6648	ng/ml		100

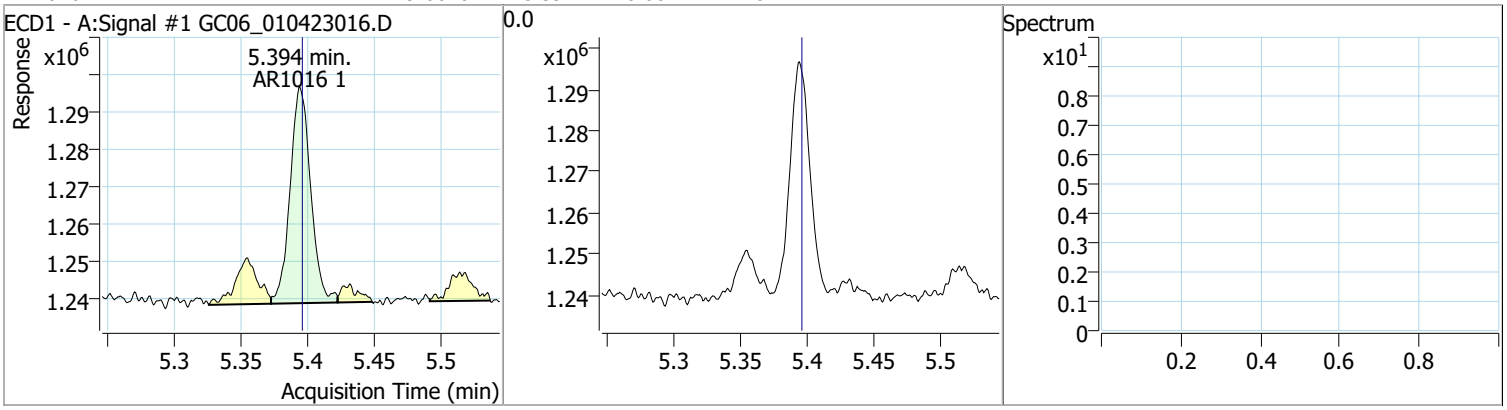
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.735	0.0	136314.398	45.4661	ng/ml		100
T AR1016 1 #2	5.925	0.0	315057.617	55.1417	ng/ml		100
T AR1016 3	6.207	0.0	169171.558	53.5002	ng/ml		100
T AR1016 4	6.347	0.0	111698.462	55.3799	ng/ml		100
T AR1016 2 #2	6.360	0.0	465763.509	56.5287	ng/ml	m	100
T AR1016 5	6.543	0.0	72441.266	54.7029	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	782413.310	53.9363	ng/ml		100
T AR1016 4 #2	7.112	0.0	596025.510	56.3045	ng/ml		100
T AR1016 5 #2	7.830	0.0	462896.758	54.5546	ng/ml		100
T AR1260 1	8.741	0.0	216272.246	52.7243	ng/ml		100
T AR1260 2	9.225	0.0	314787.067	55.0661	ng/ml		100
T AR1260 3	9.658	0.0	331302.078	51.9644	ng/ml		100
T AR1260 1 #2	9.988	0.0	854768.184	52.9792	ng/ml		100
T AR1260 4	10.142	0.0	181026.950	53.9299	ng/ml		100
T AR1260 2 #2	10.248	0.0	1089388.584	49.8493	ng/ml		100
T AR1260 5	10.514	0.0	405297.761	55.7176	ng/ml		100
T AR1260 3 #2	10.672	0.0	1334550.172	56.6841	ng/ml		100
T AR1260 4 #2	11.085	0.0	700802.843	54.1464	ng/ml	m	100
T AR1260 5 #2	11.768	0.0	1177177.291	55.2105	ng/ml		100

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

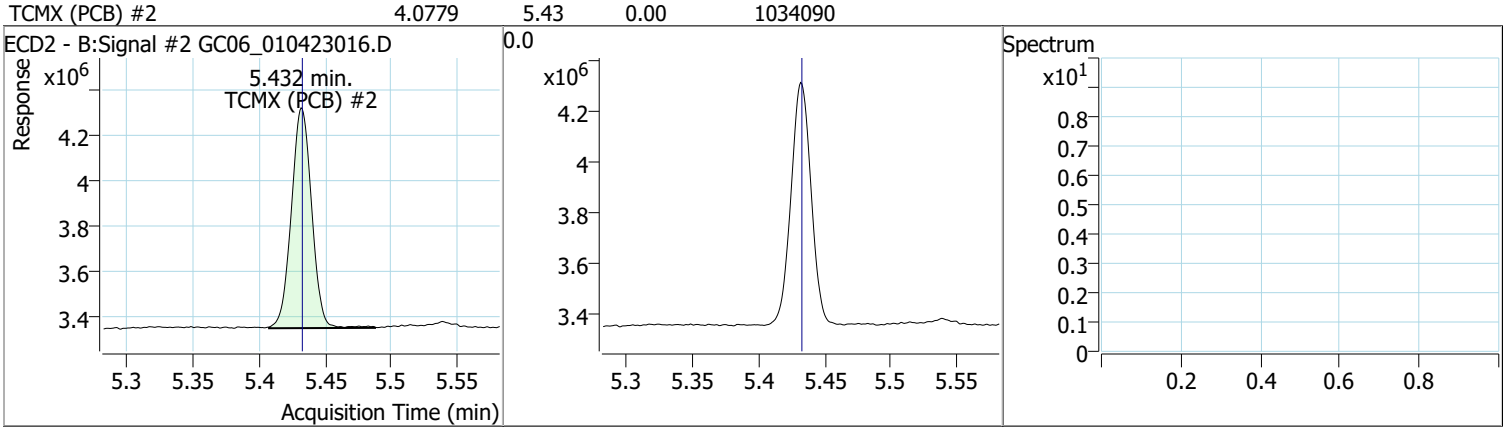
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0413	5.05	0.00	221895				



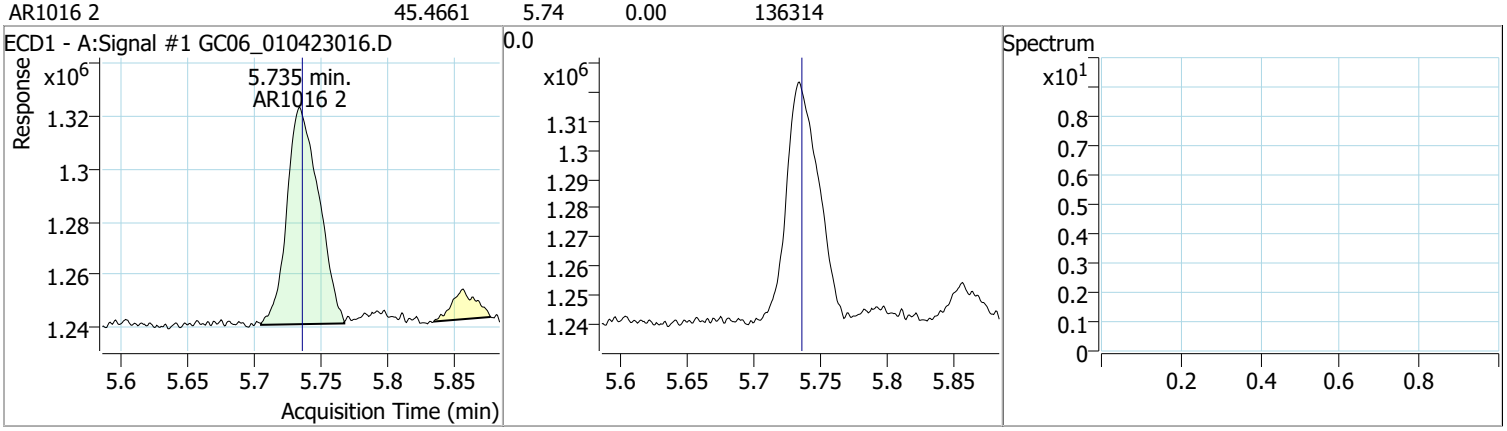
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	49.6648	5.39	0.00	62721				



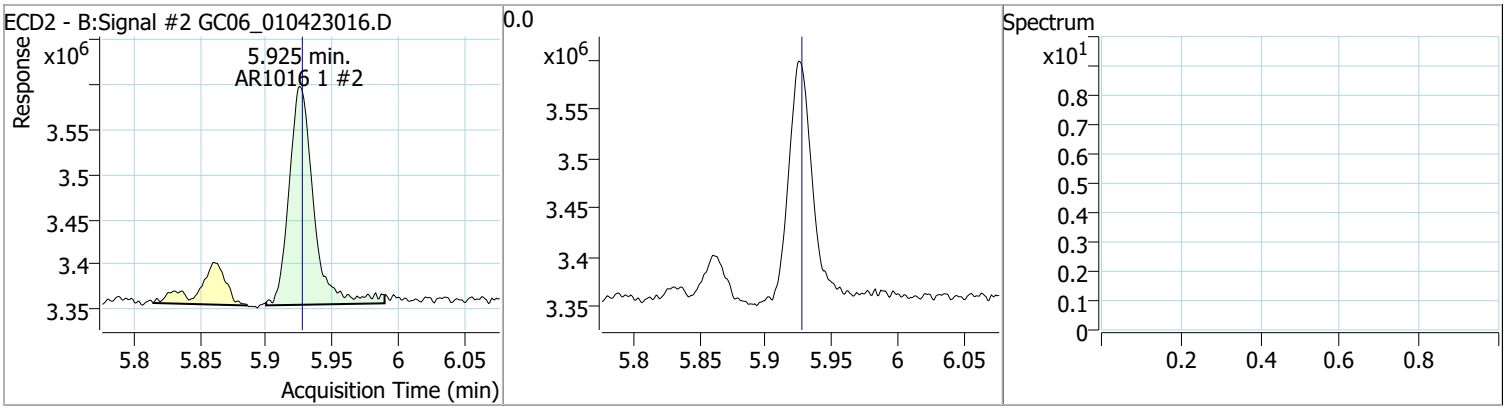
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.0779	5.43	0.00	1034090				



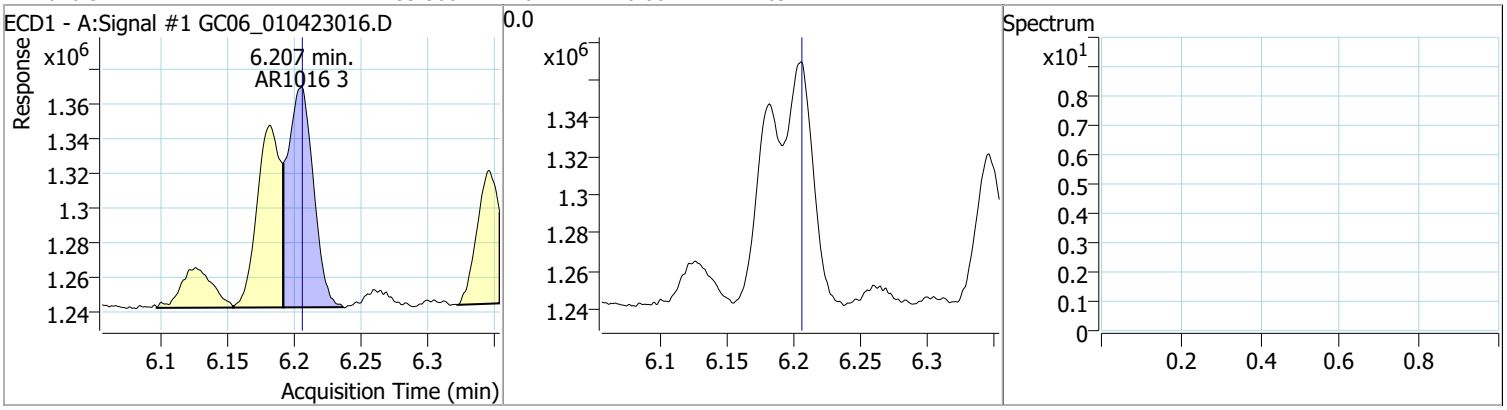
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	45.4661	5.74	0.00	136314				



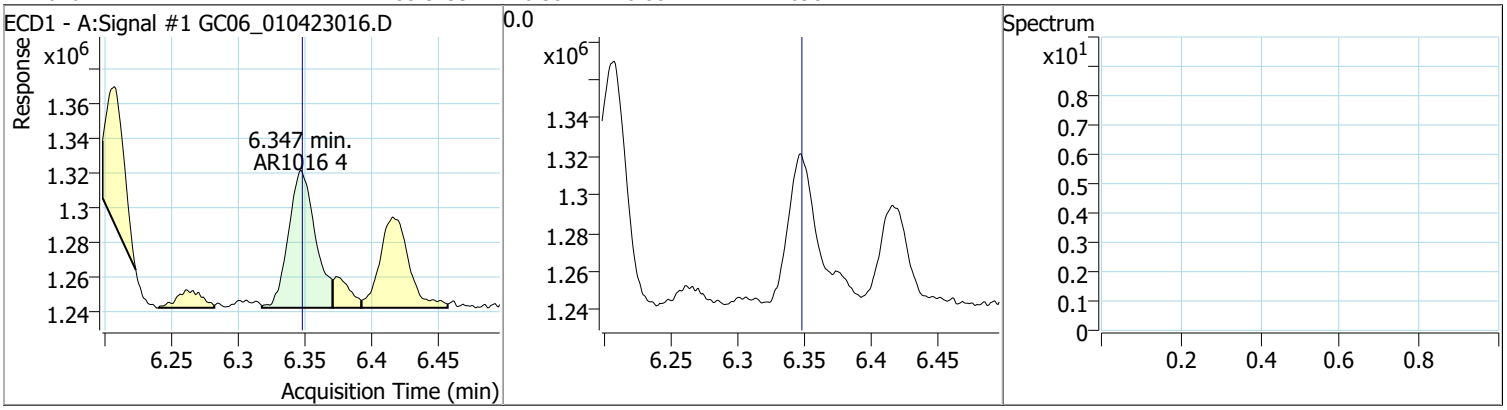
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	55.1417	5.93	0.00	315058				



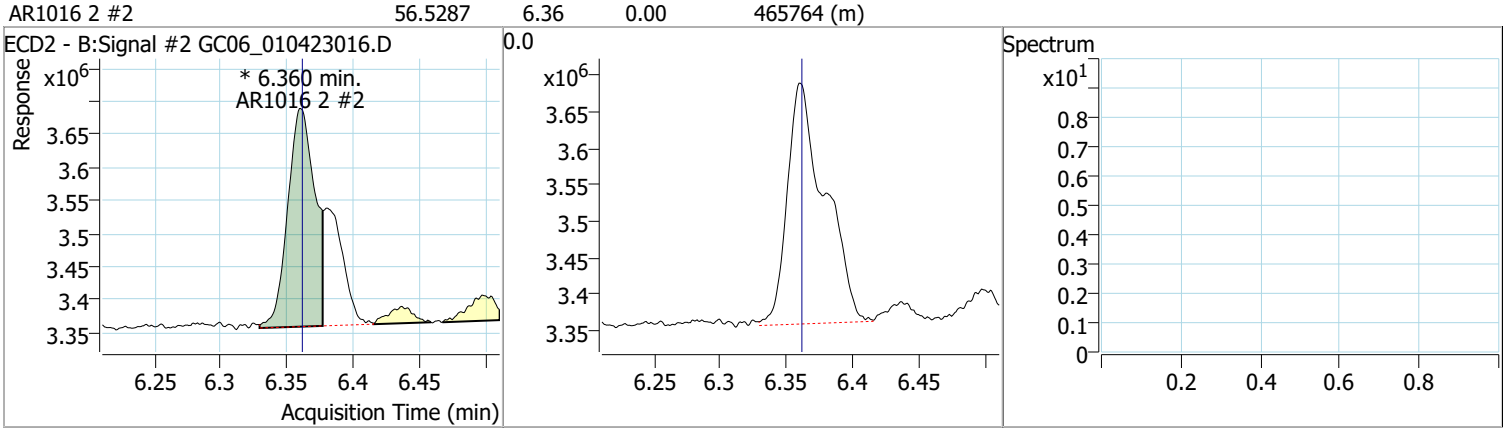
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.5002	6.21	0.00	169172				



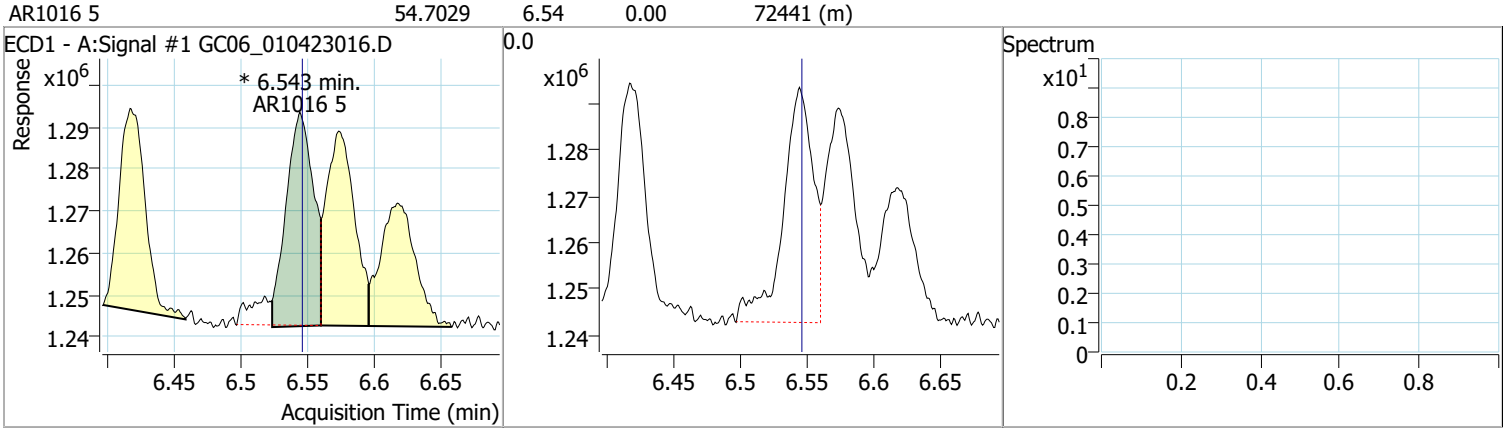
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.3799	6.35	0.00	111698				



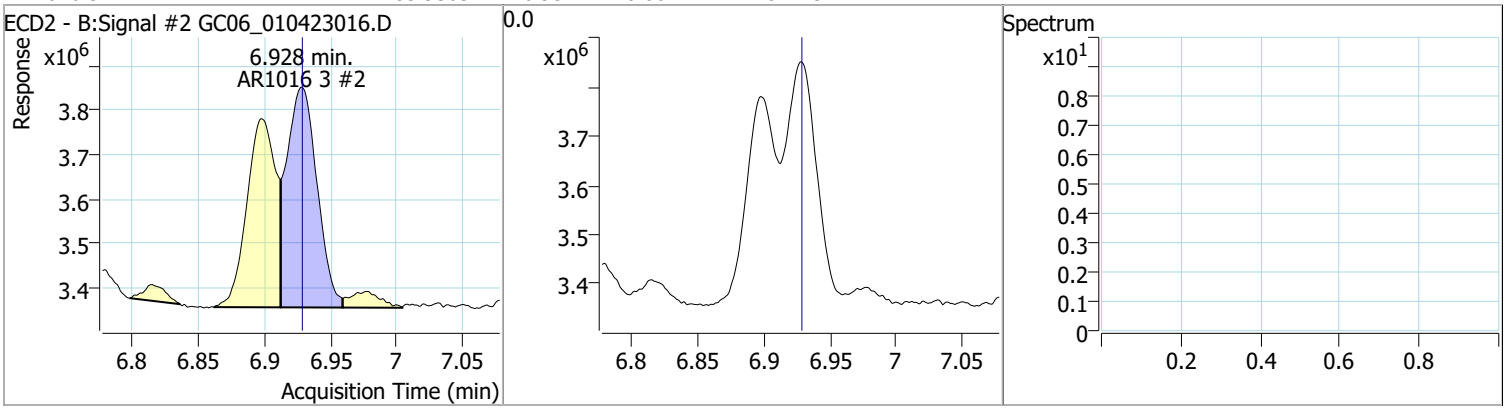
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5287	6.36	0.00	465764 (m)				



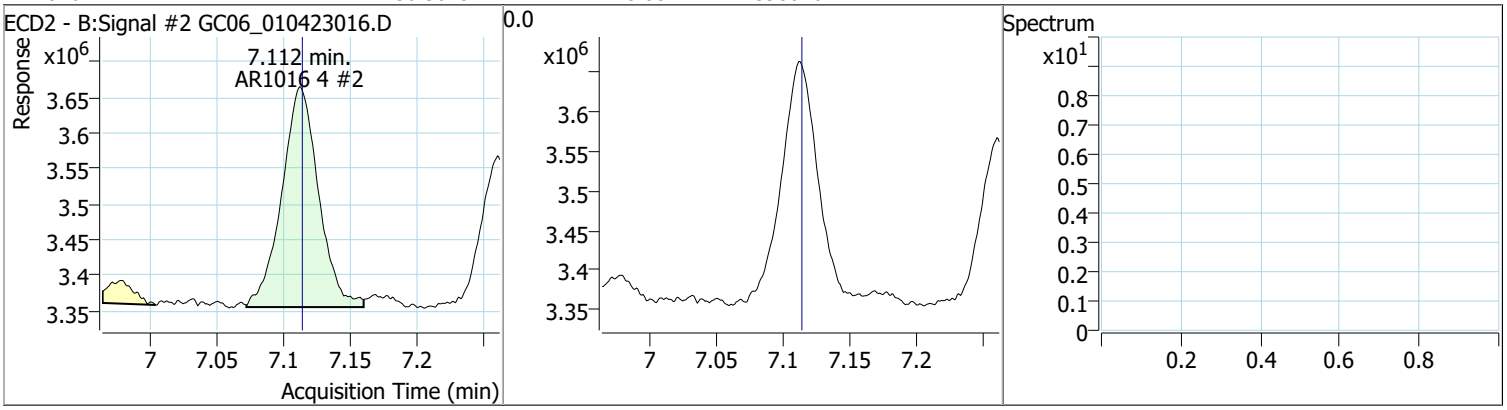
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.7029	6.54	0.00	72441 (m)				



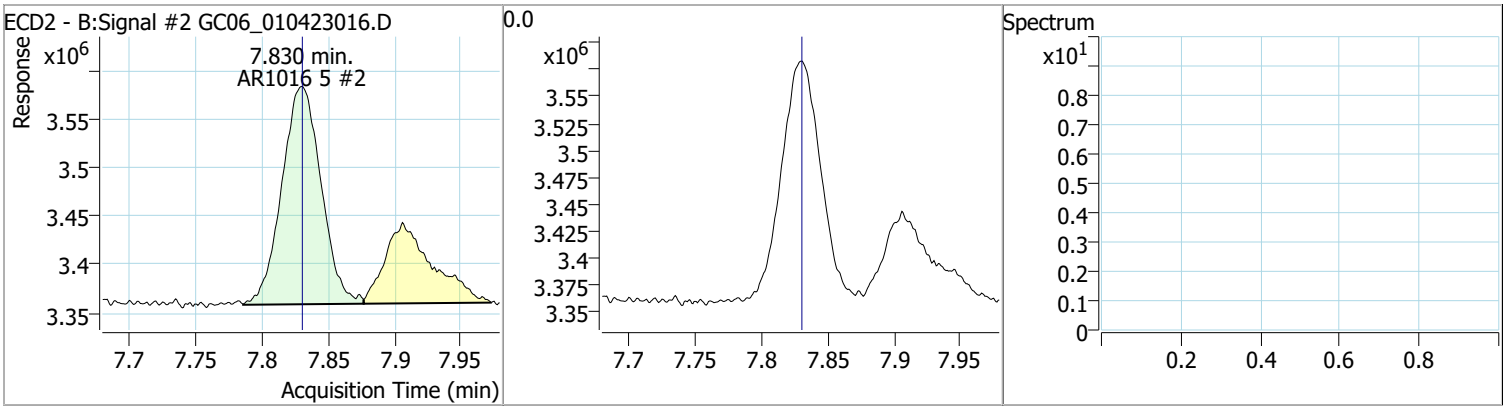
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	53.9363	6.93	0.00	782413				



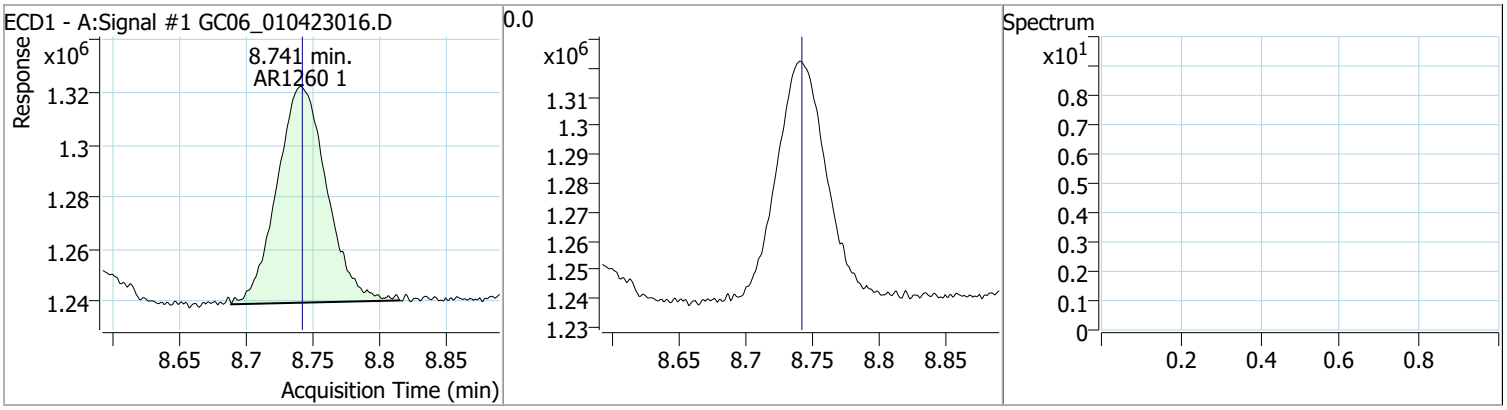
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	56.3045	7.11	0.00	596026				



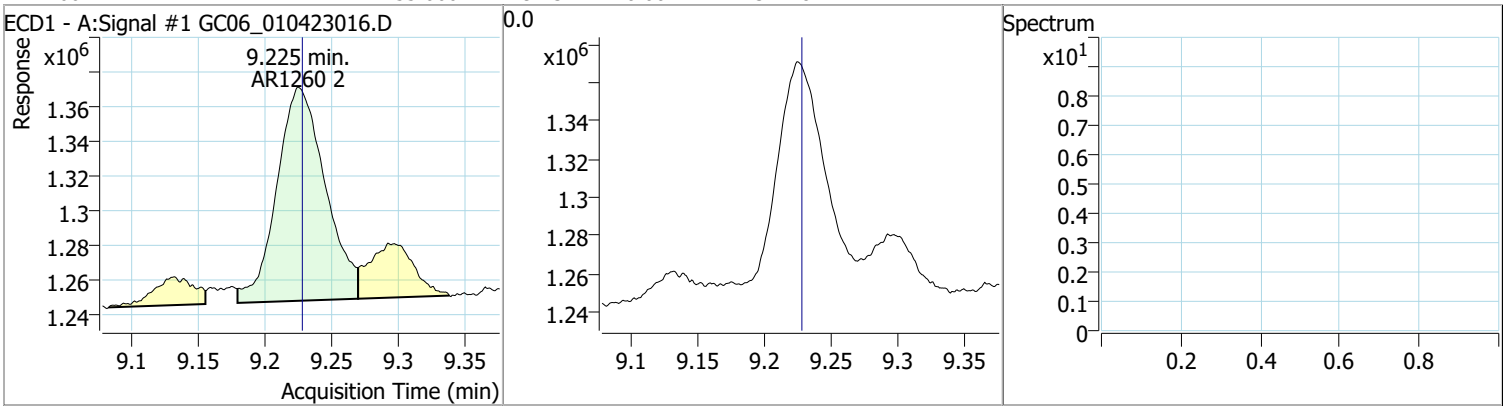
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.5546	7.83	0.00	462897				



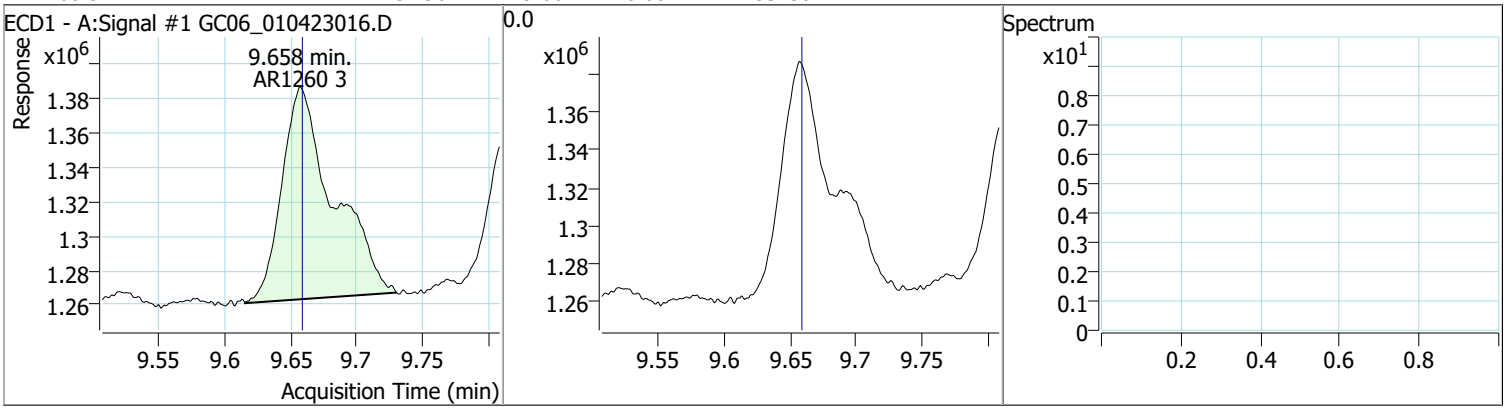
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	52.7243	8.74	0.00	216272				



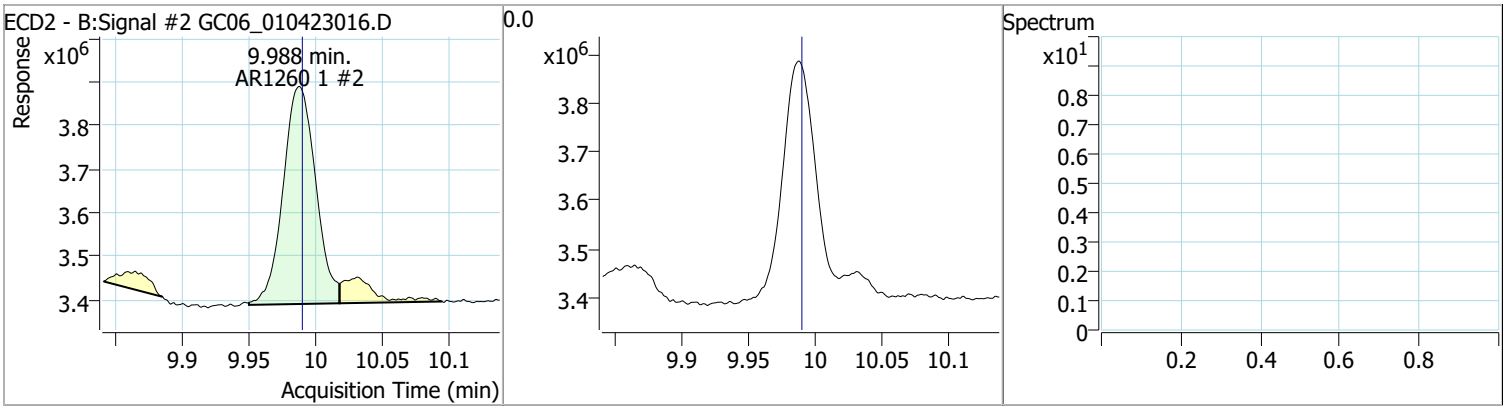
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.0661	9.23	0.00	314787				



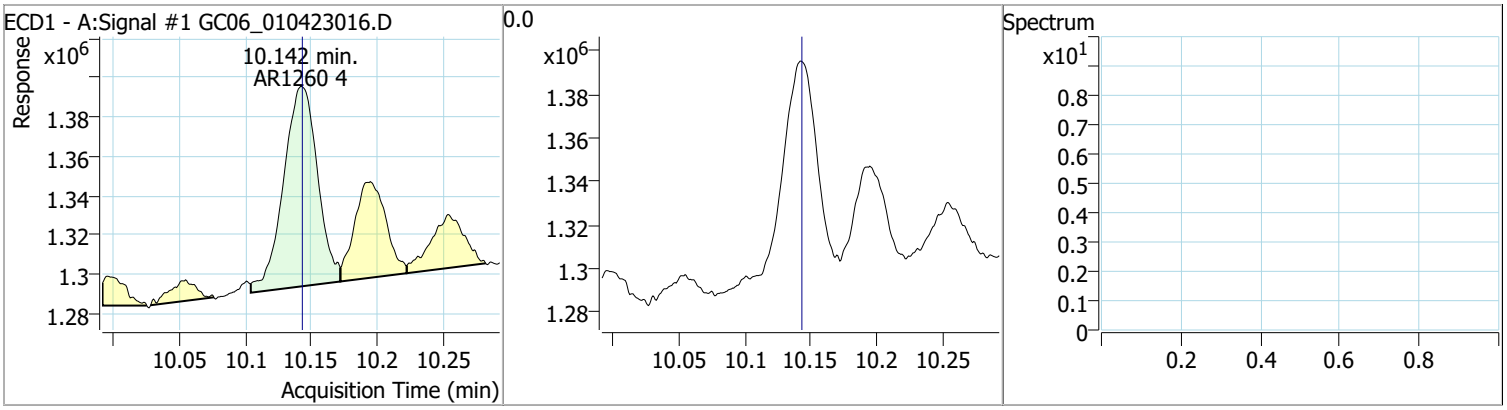
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	51.9644	9.66	0.00	331302				



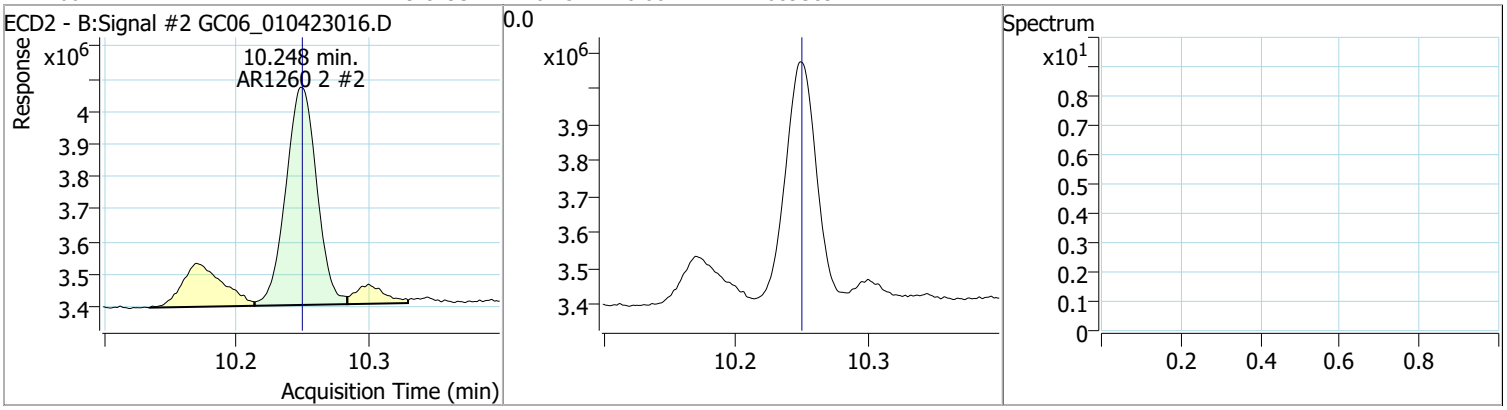
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	52.9792	9.99	0.00	854768				



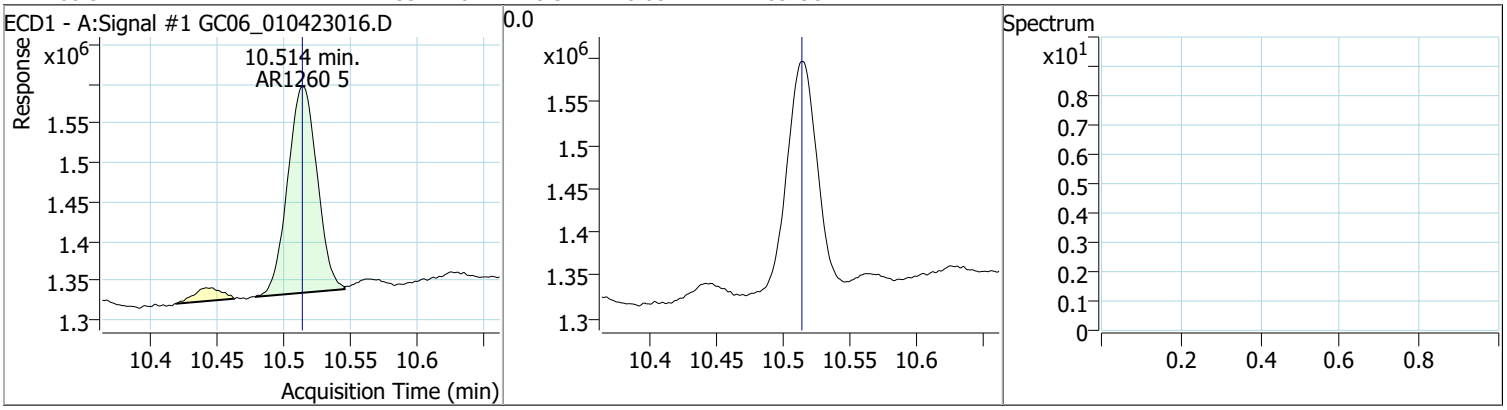
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	53.9299	10.14	0.00	181027				



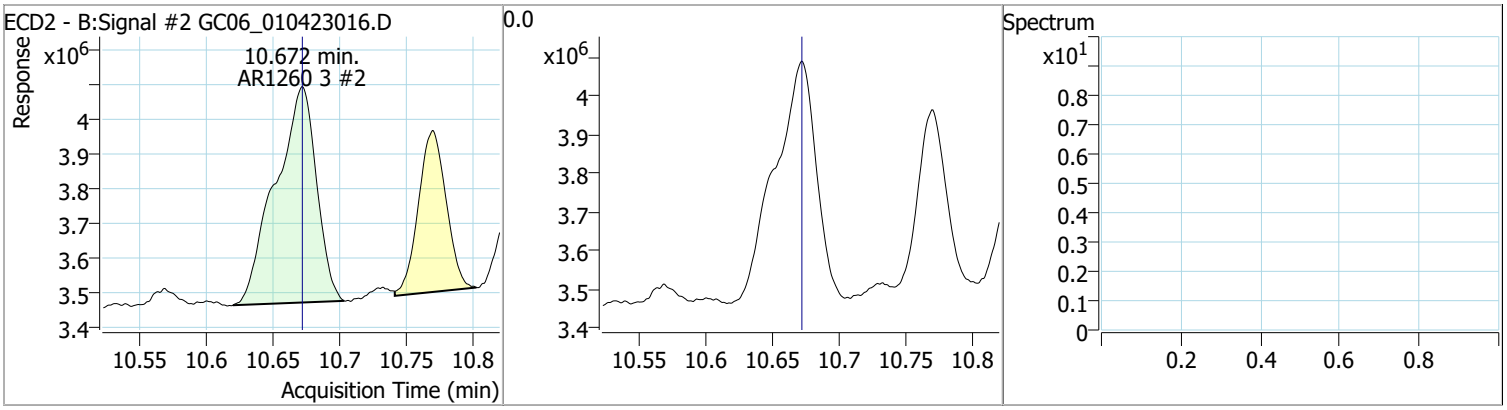
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	49.8493	10.25	0.00	1089389				



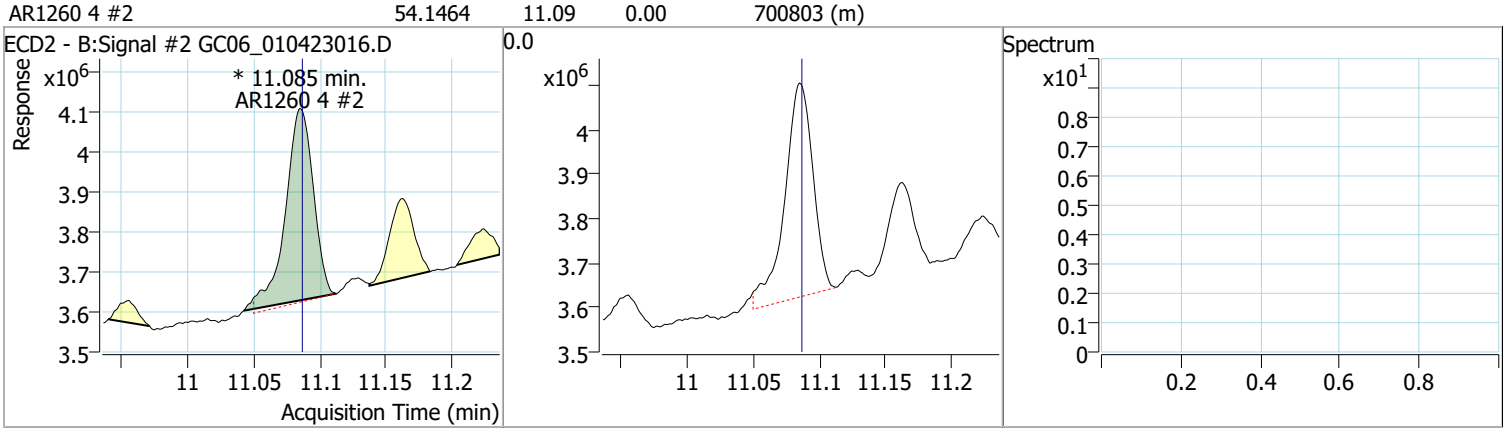
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	55.7176	10.51	0.00	405298				



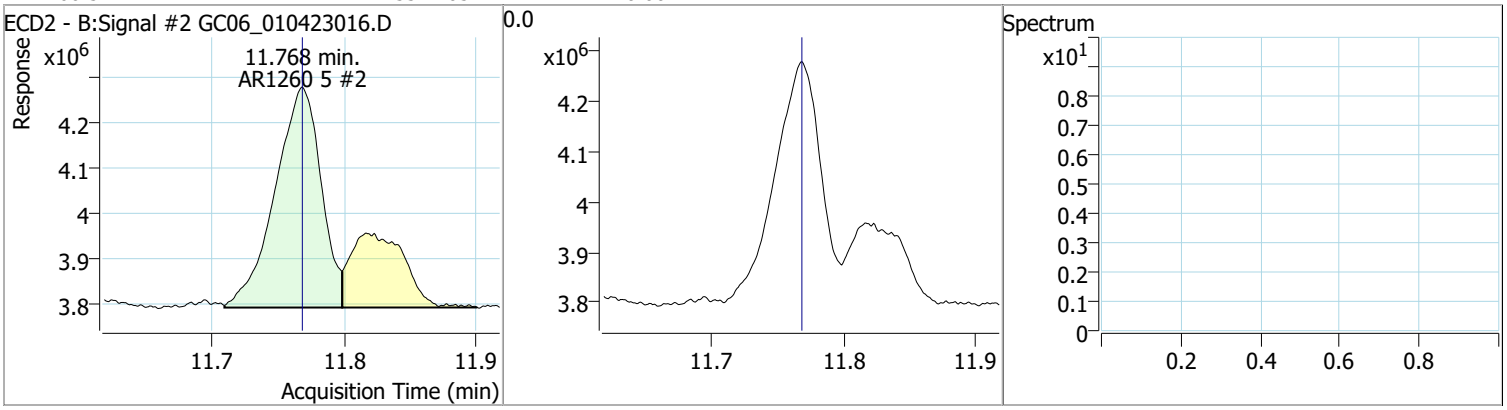
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	56.6841	10.67	0.00	1334550				



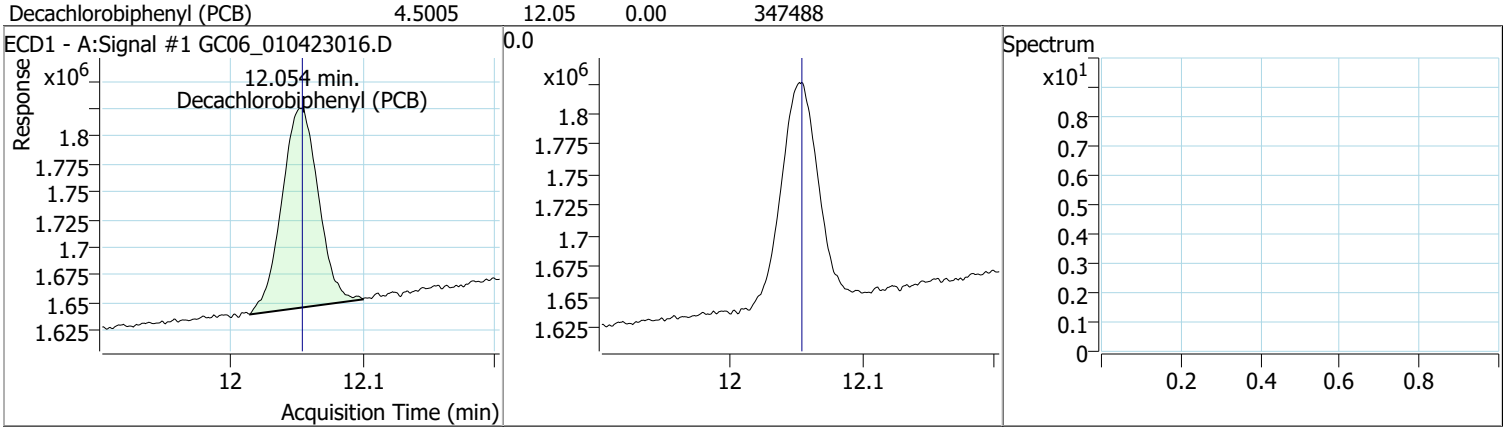
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	54.1464	11.09	0.00	700803 (m)				



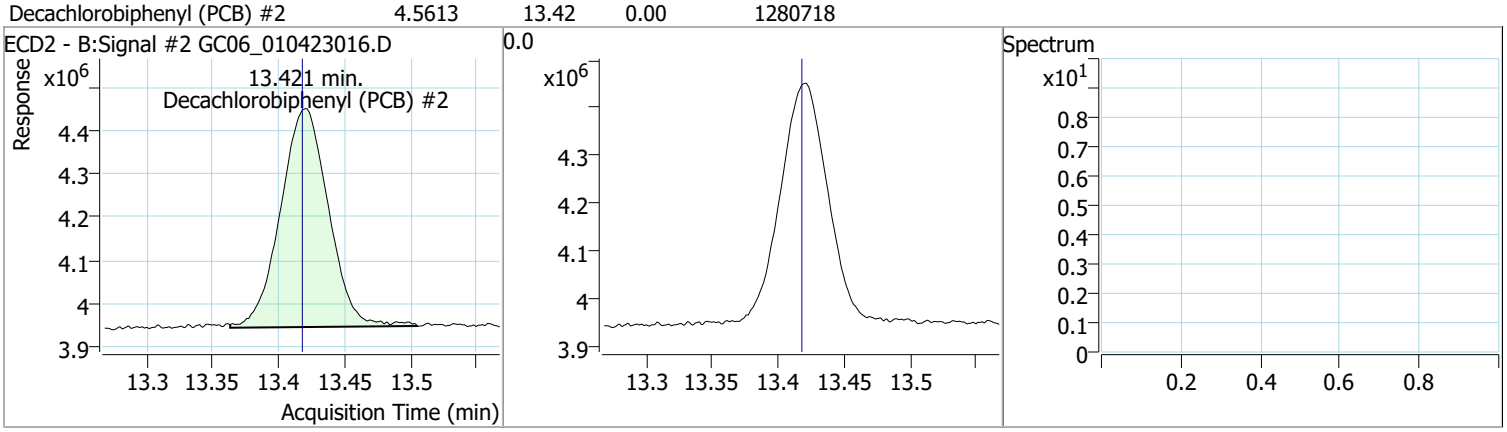
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.2105	11.77	0.00	1177177				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.5005	12.05	0.00	347488				

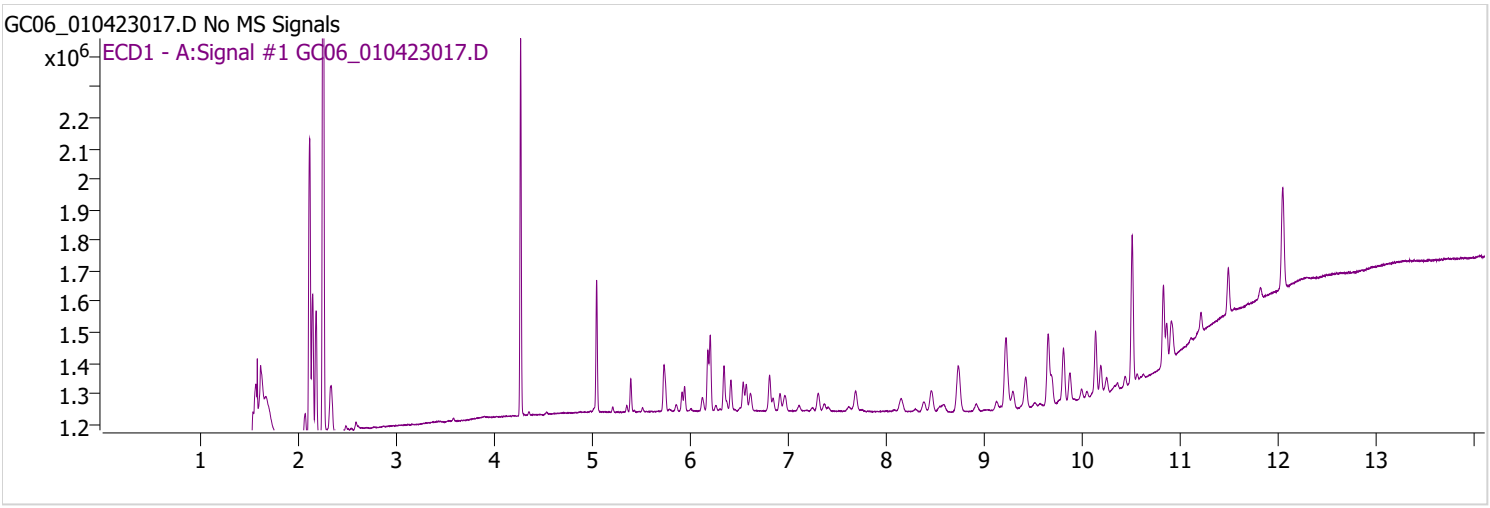


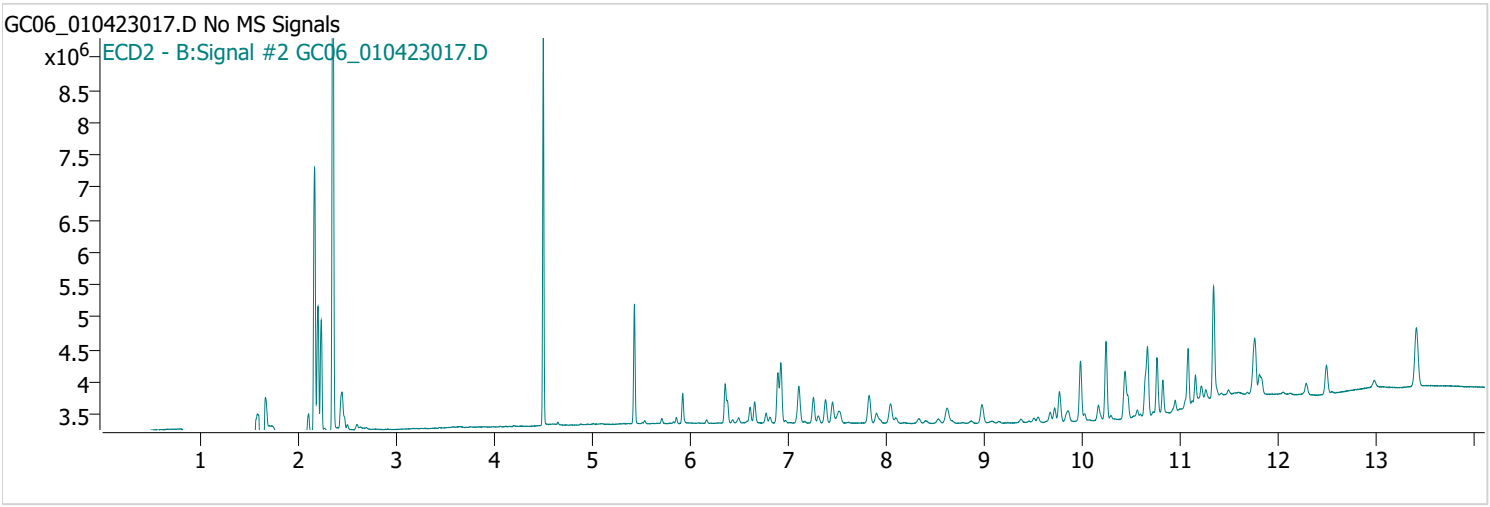
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.5613	13.42	0.00	1280718				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 4:26:20 PM
Sample Name	ICAL, S17799	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



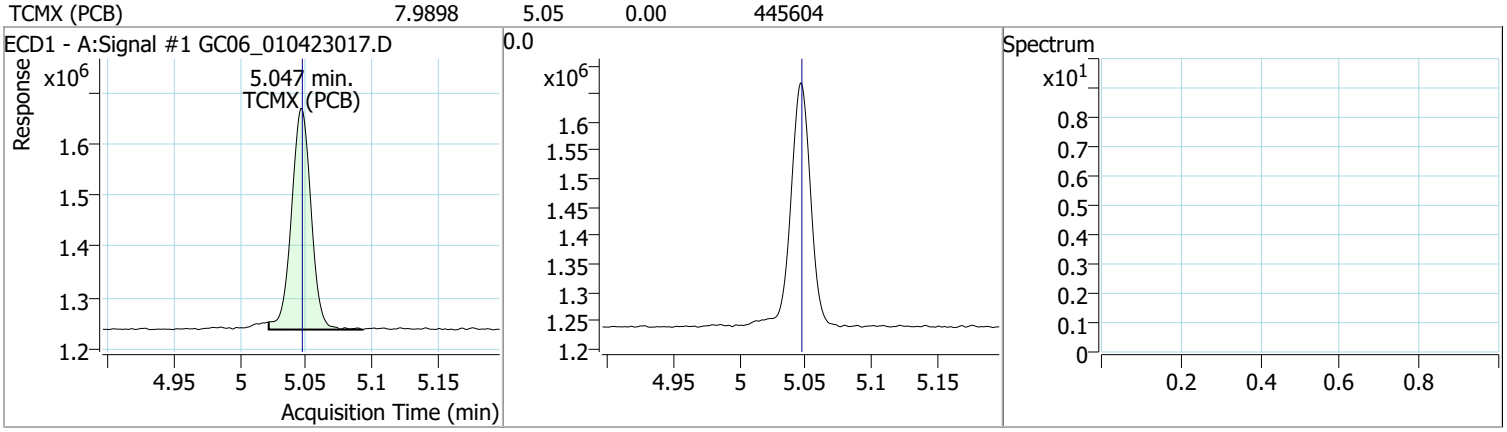


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1125483.274	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5232043.309	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.047	0.0	445604.083	7.9898	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.95%		*	
S TCMX (PCB) #2	5.433	0.0	1986452.417	7.7443	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.72%		*	
S Decachlorobiphenyl (PCB)	12.054	0.0	612541.589	7.8105	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.05%		*	
S Decachlorobiphenyl (PCB) #2	13.420	0.0	2238240.571	7.8807	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.40%		*	
Target Compounds							QValue
T AR1016 1	5.395	0.0	120150.297	93.6648	ng/ml		100

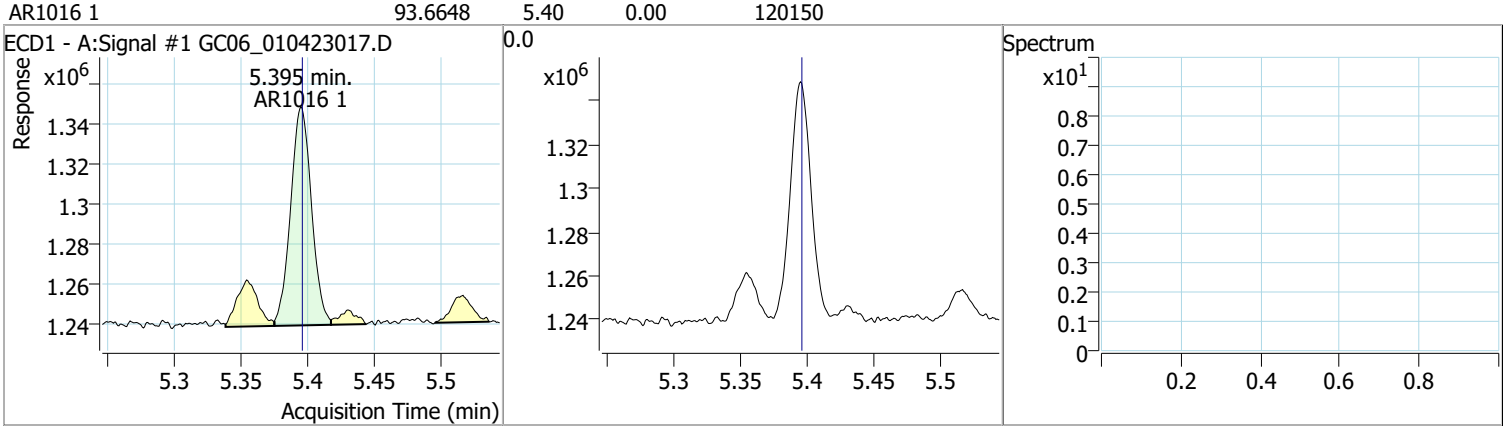
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.735	0.0	264803.140	96.9421	ng/ml		100
T AR1016 1 #2	5.926	0.0	576524.636	99.7544	ng/ml		100
T AR1016 3	6.207	0.0	316533.912	98.5525	ng/ml		100
T AR1016 4	6.348	0.0	205571.874	100.3432	ng/ml	m	100
T AR1016 2 #2	6.359	0.0	883740.818	106.0359	ng/ml	m	100
T AR1016 5	6.543	0.0	138004.692	102.5976	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	1516994.956	103.3839	ng/ml		100
T AR1016 4 #2	7.112	0.0	1099907.662	102.7208	ng/ml		100
T AR1016 5 #2	7.831	0.0	876671.298	102.1429	ng/ml		100
T AR1260 1	8.738	0.0	394765.660	94.7477	ng/ml		100
T AR1260 2	9.227	0.0	590457.313	101.6893	ng/ml		100
T AR1260 3	9.658	0.0	567469.844	87.6283	ng/ml		100
T AR1260 1 #2	9.988	0.0	1600088.322	98.0449	ng/ml		100
T AR1260 4	10.142	0.0	348826.904	102.3095	ng/ml		100
T AR1260 2 #2	10.249	0.0	1946382.861	99.5543	ng/ml		100
T AR1260 5	10.516	0.0	761803.309	103.1050	ng/ml		100
T AR1260 3 #2	10.673	0.0	2416579.354	101.4733	ng/ml		100
T AR1260 4 #2	11.088	0.0	1247221.873	95.2668	ng/ml		100
T AR1260 5 #2	11.768	0.0	2062703.690	95.6402	ng/ml		100

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

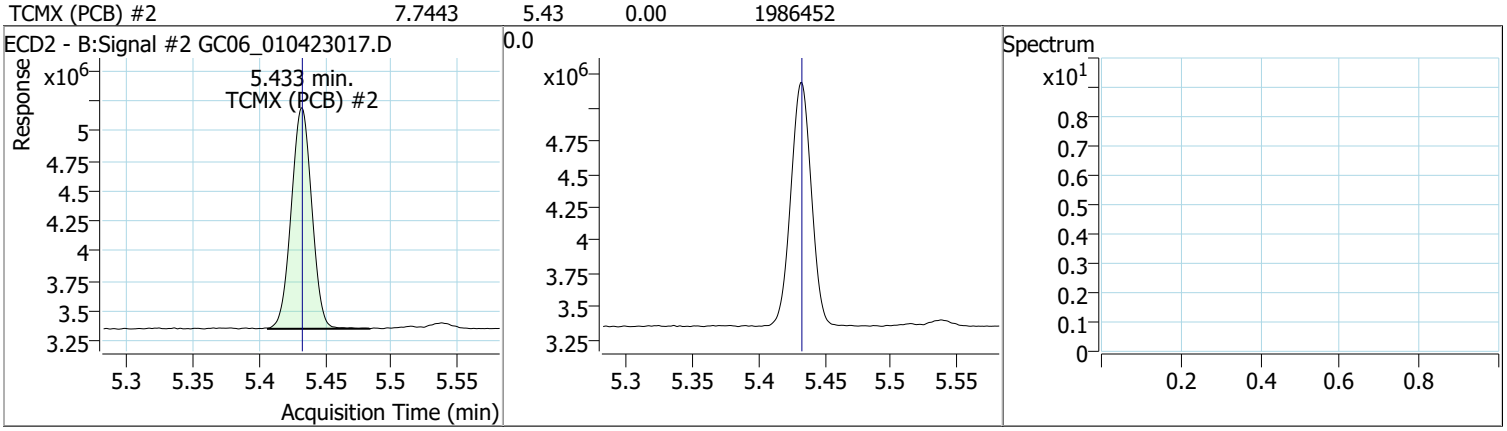
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.9898	5.05	0.00	445604				



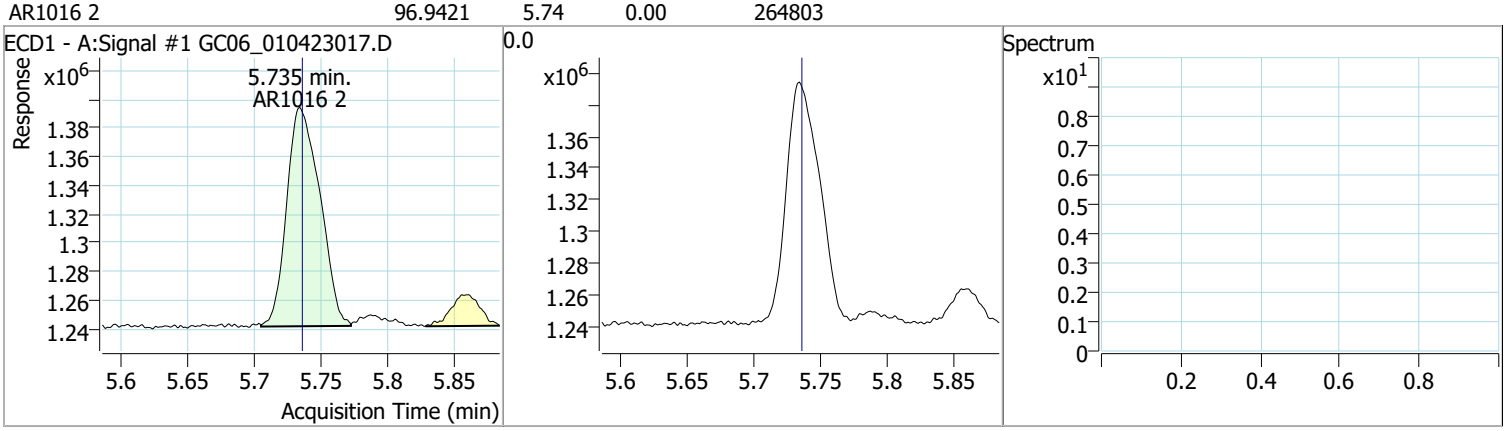
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	93.6648	5.40	0.00	120150				



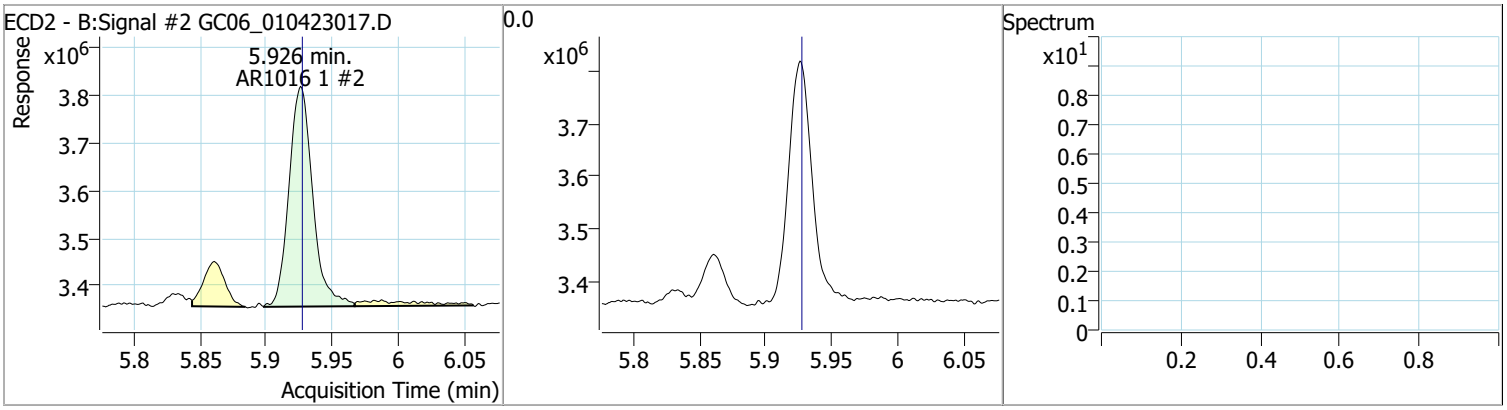
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7443	5.43	0.00	1986452				



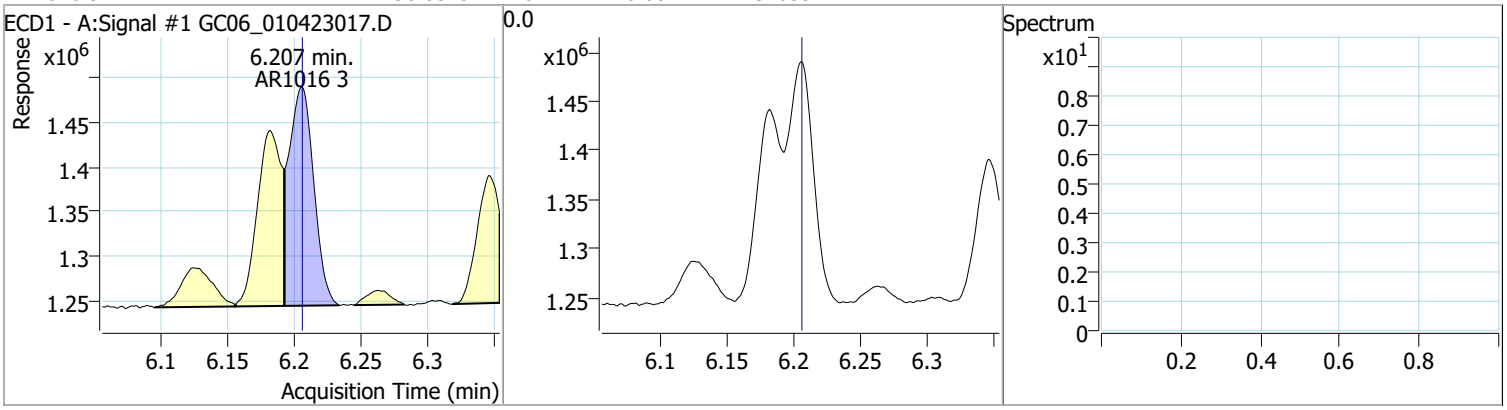
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	96.9421	5.74	0.00	264803				



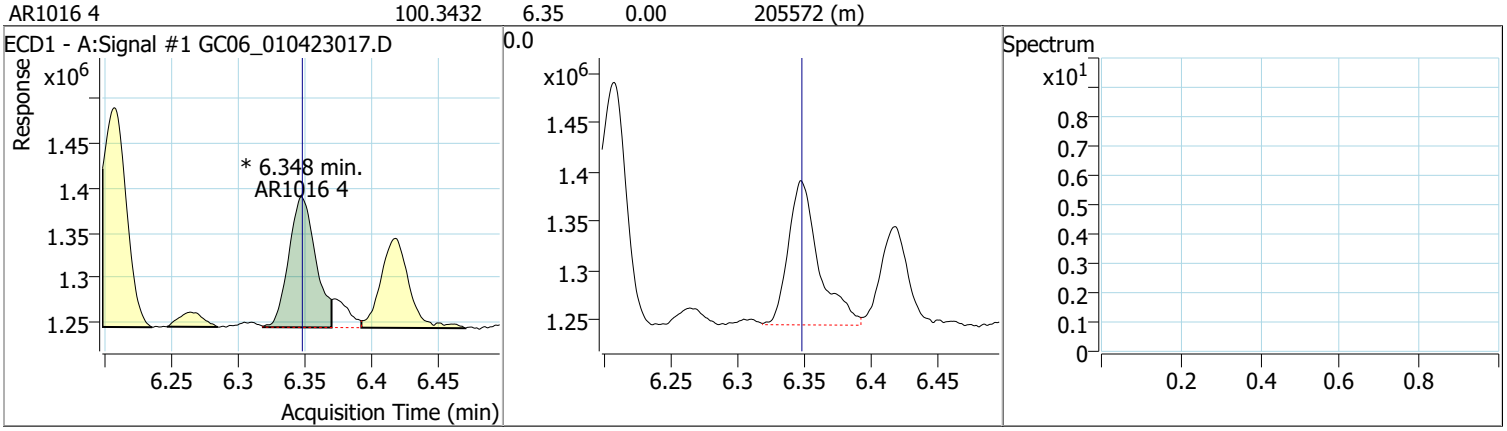
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AR1016 1 #2	99.7544	5.93	0.00	576525				



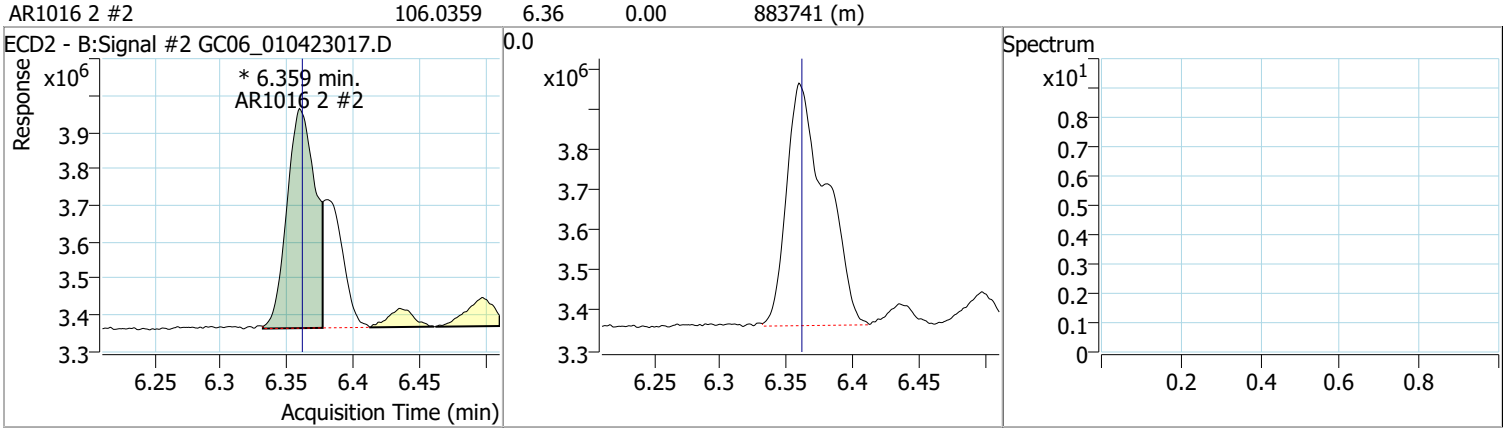
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	98.5525	6.21	0.00	316534				



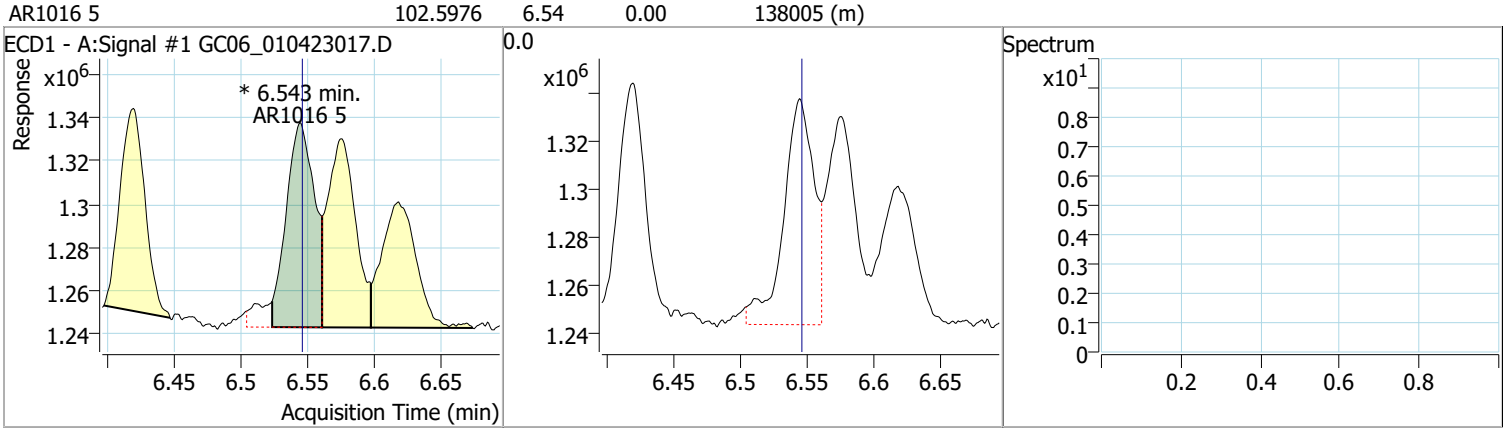
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	100.3432	6.35	0.00	205572 (m)				



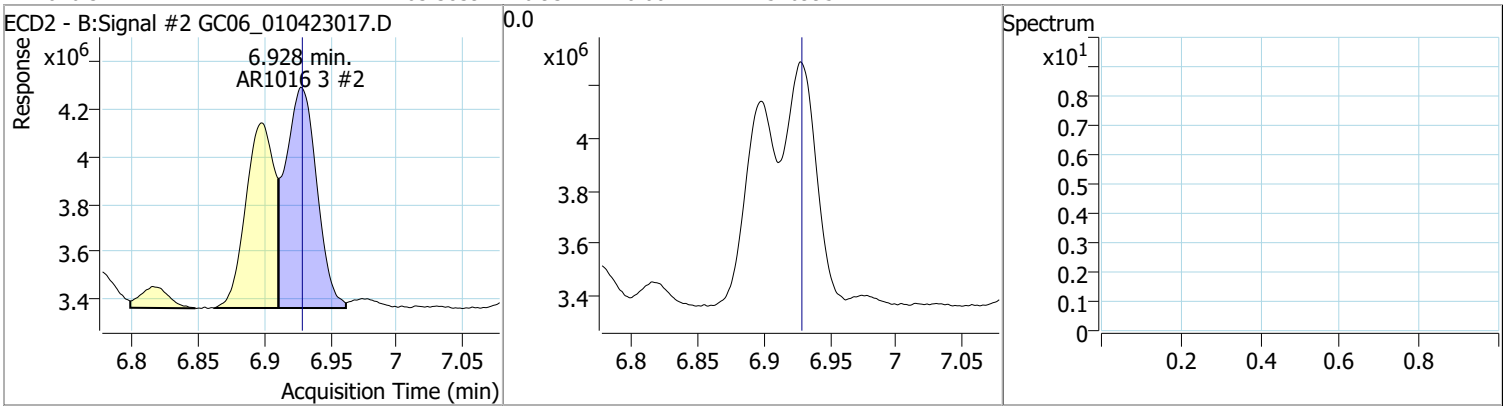
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	106.0359	6.36	0.00	883741 (m)				



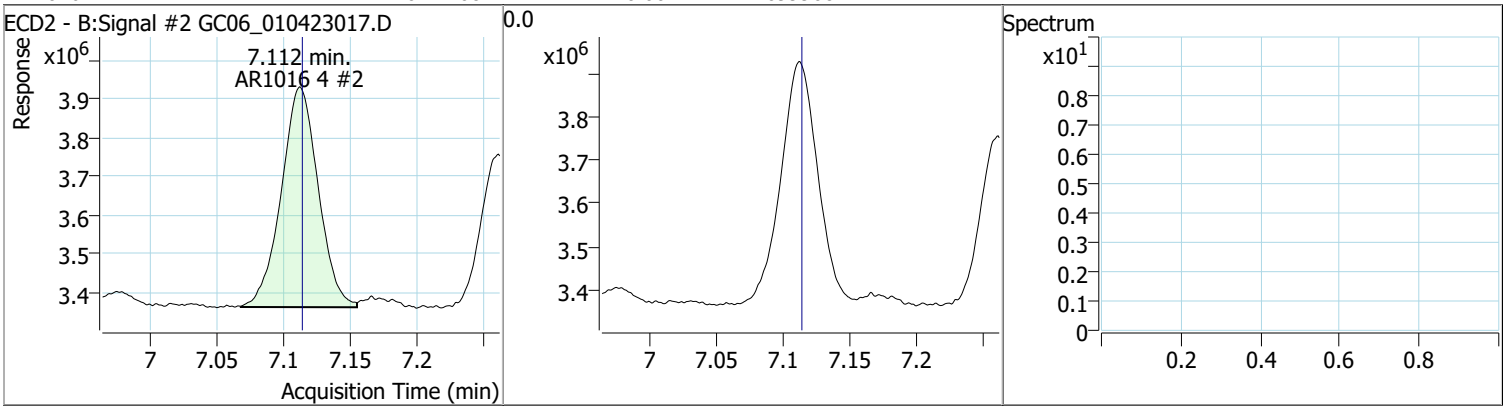
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	102.5976	6.54	0.00	138005 (m)				



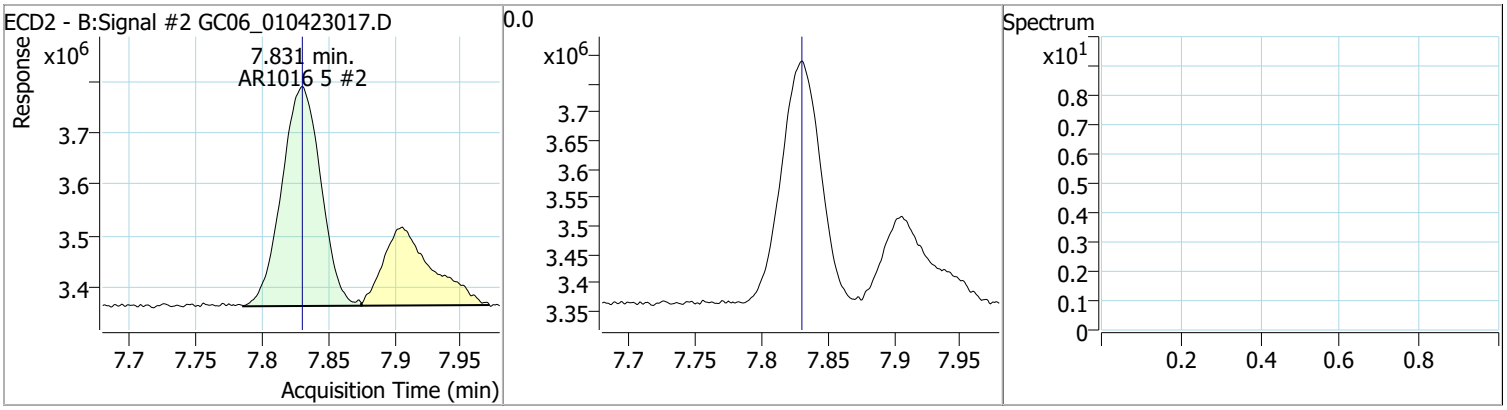
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	103.3839	6.93	0.00	1516995				



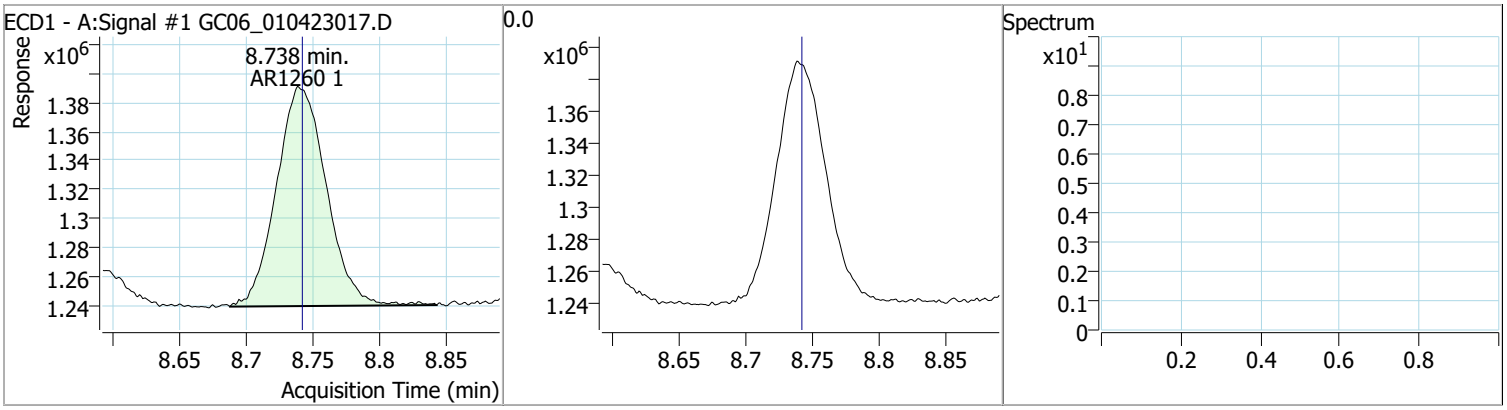
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AR1016 4 #2	102.7208	7.11	0.00	1099908				



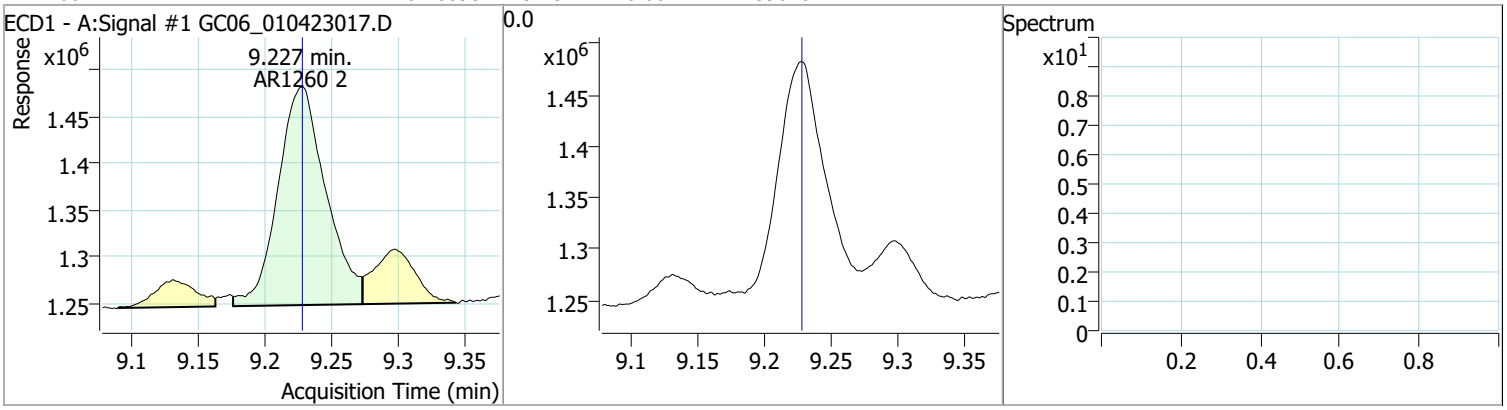
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	102.1429	7.83	0.00	876671				



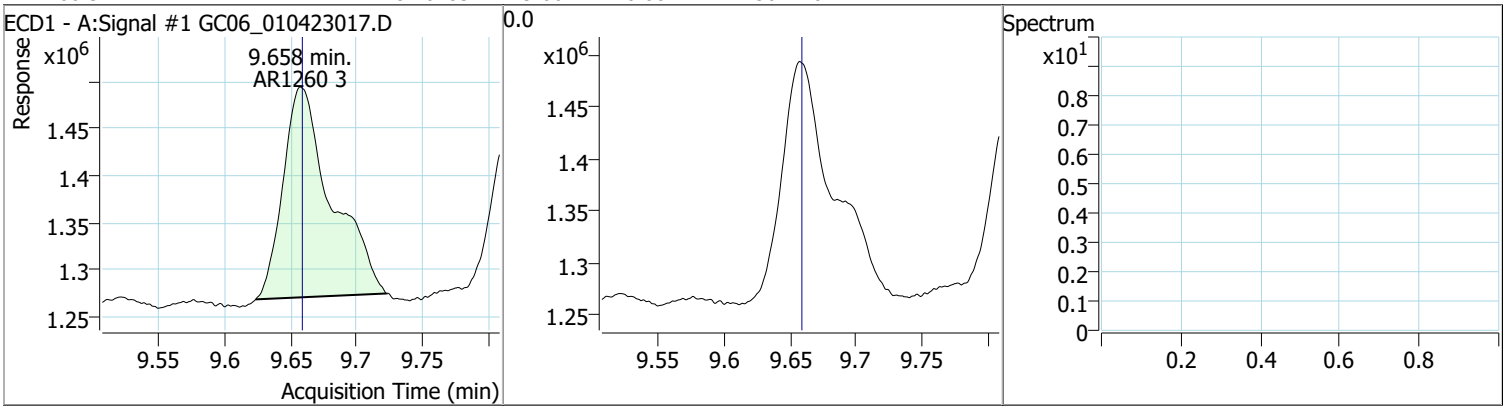
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	94.7477	8.74	0.00	394766				



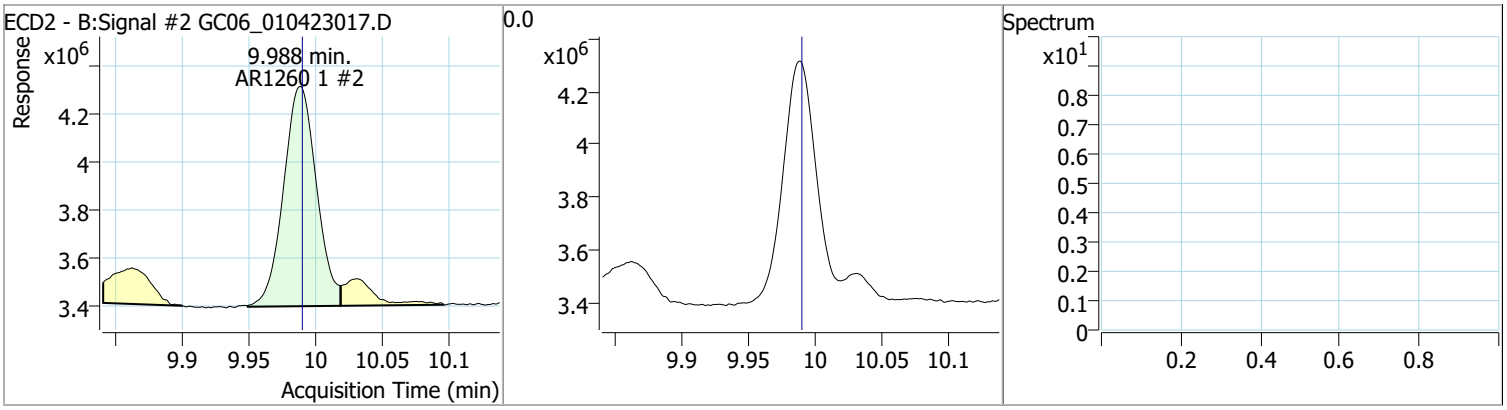
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	101.6893	9.23	0.00	590457				



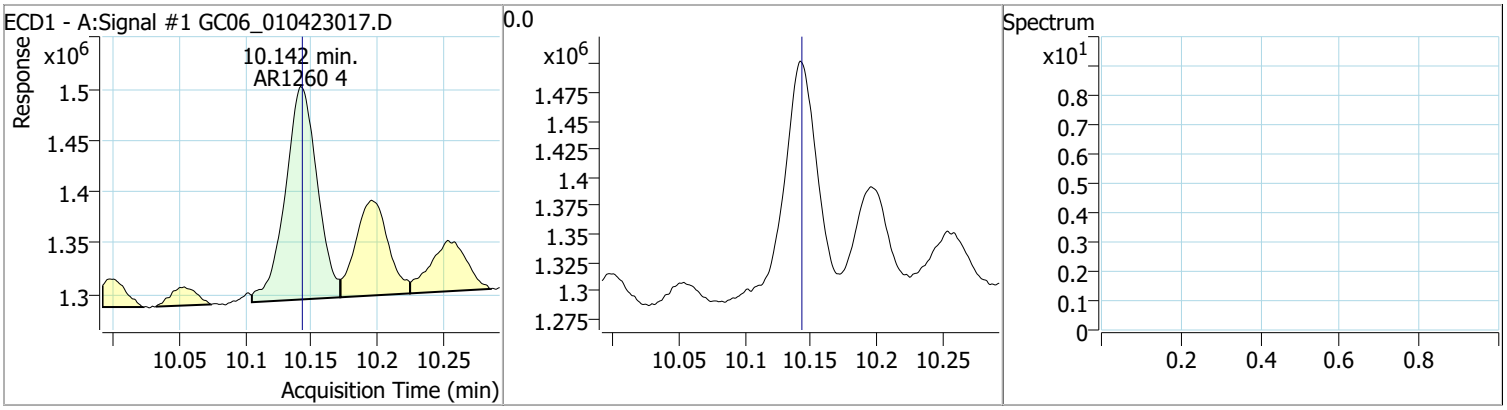
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	87.6283	9.66	0.00	567470				



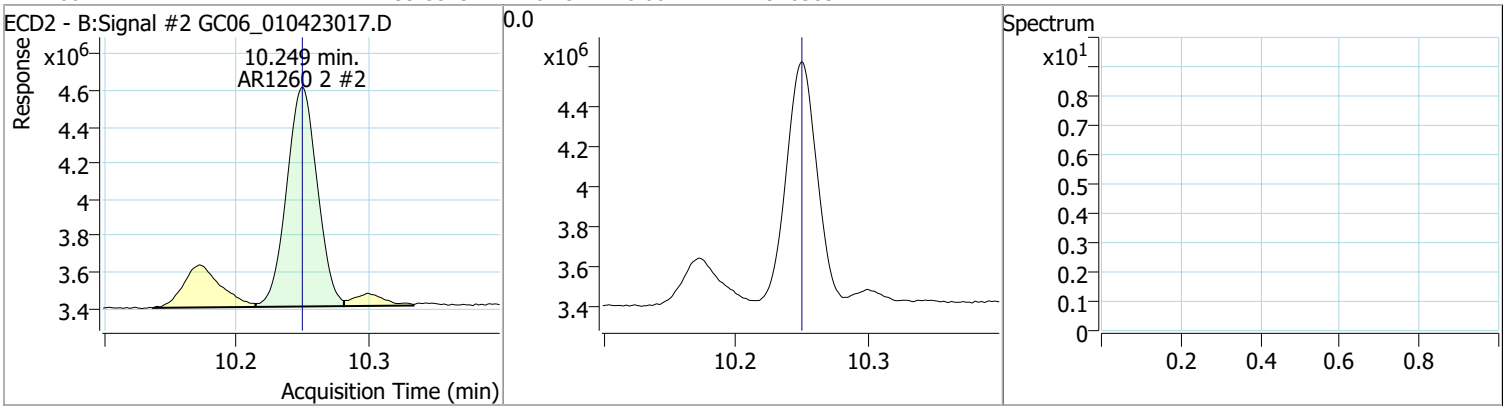
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	98.0449	9.99	0.00	1600088				



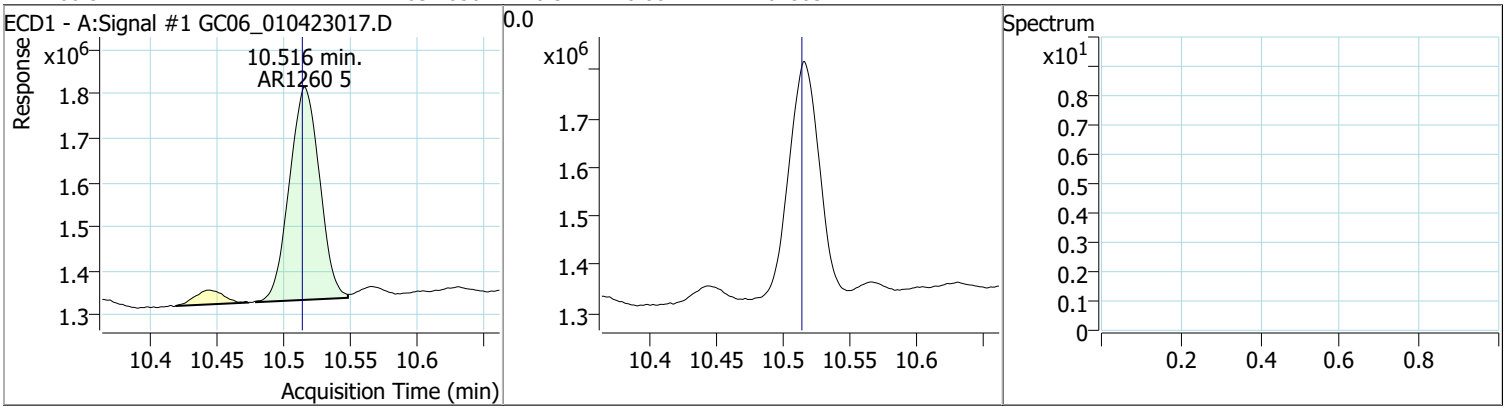
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	102.3095	10.14	0.00	348827				



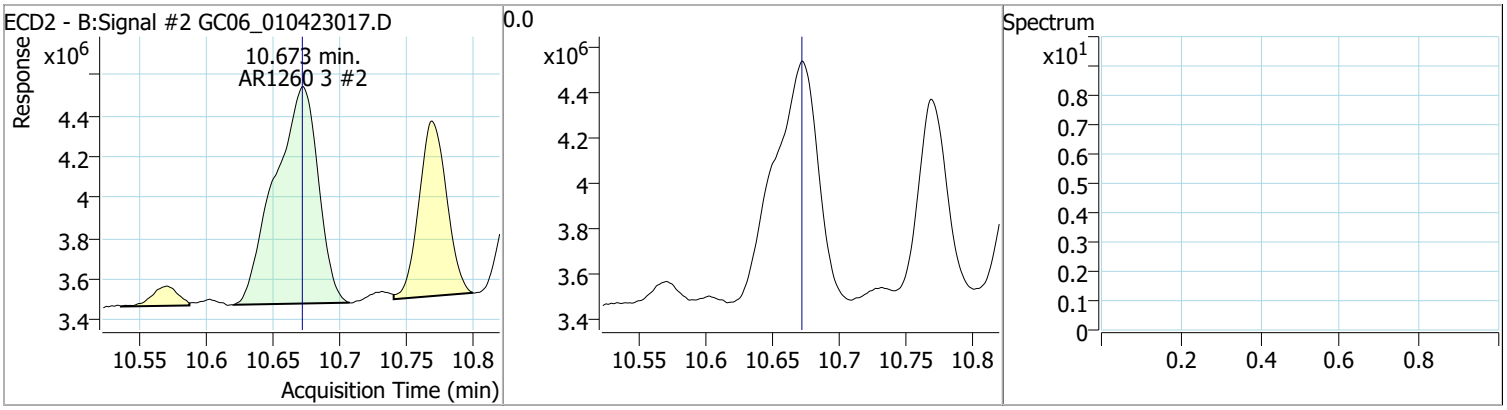
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	99.5543	10.25	0.00	1946383				



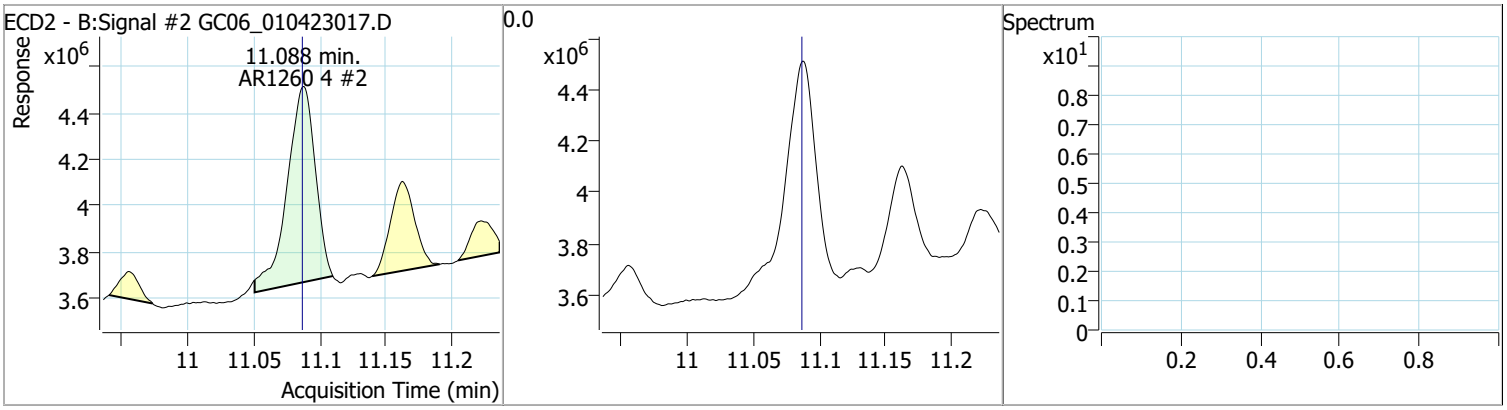
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	103.1050	10.52	0.00	761803				



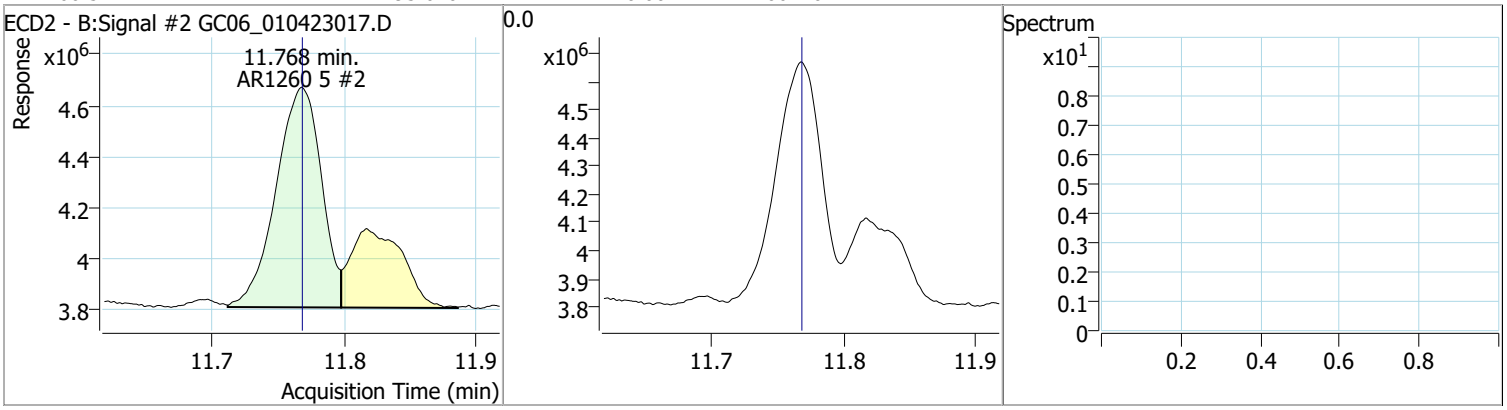
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	101.4733	10.67	0.00	2416579				



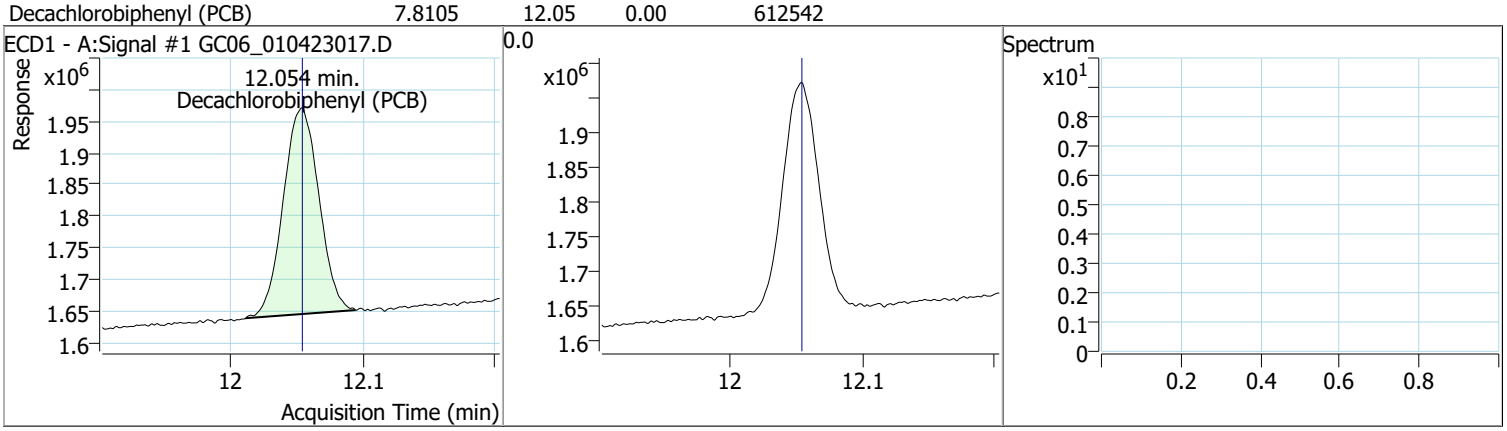
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	95.2668	11.09	0.00	1247222				



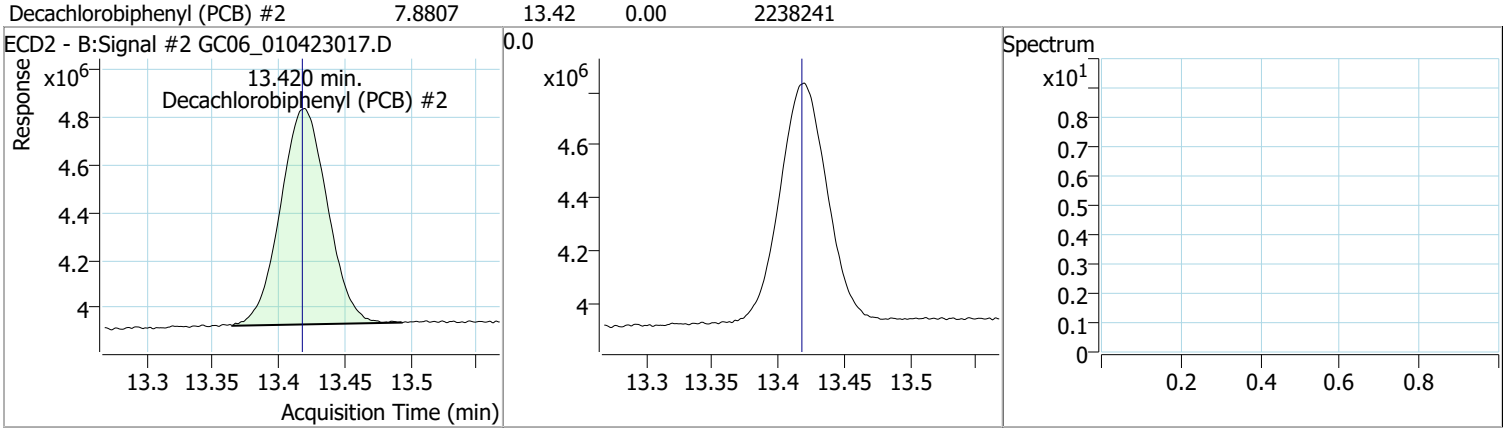
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	95.6402	11.77	0.00	2062704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.8105	12.05	0.00	612542				

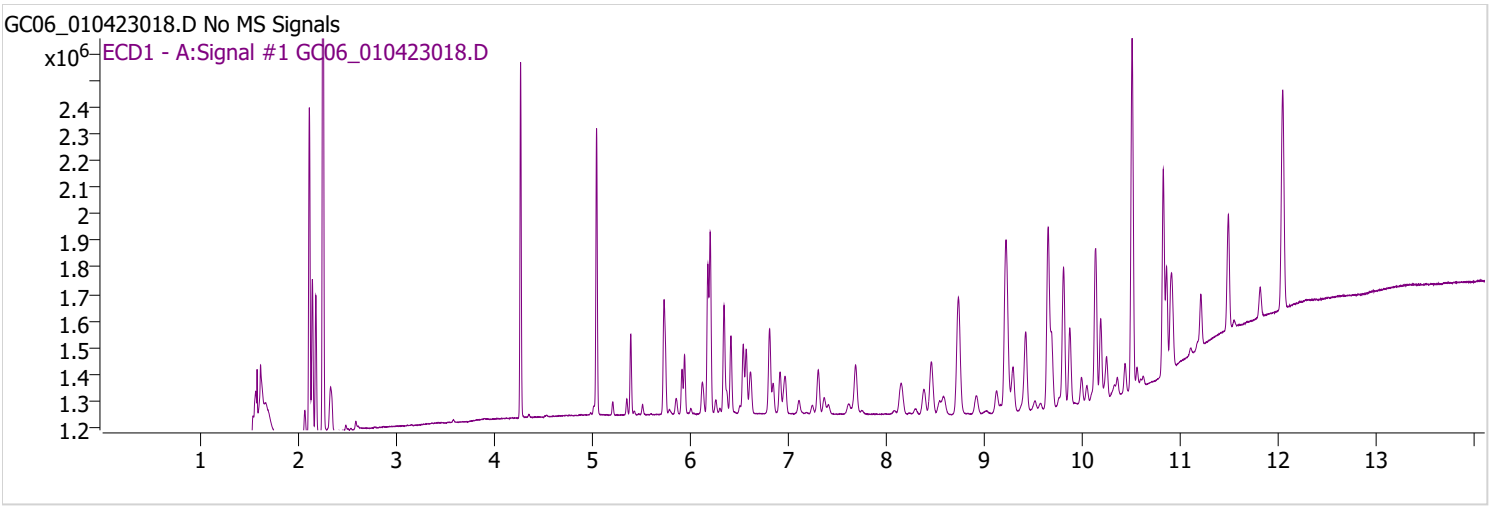


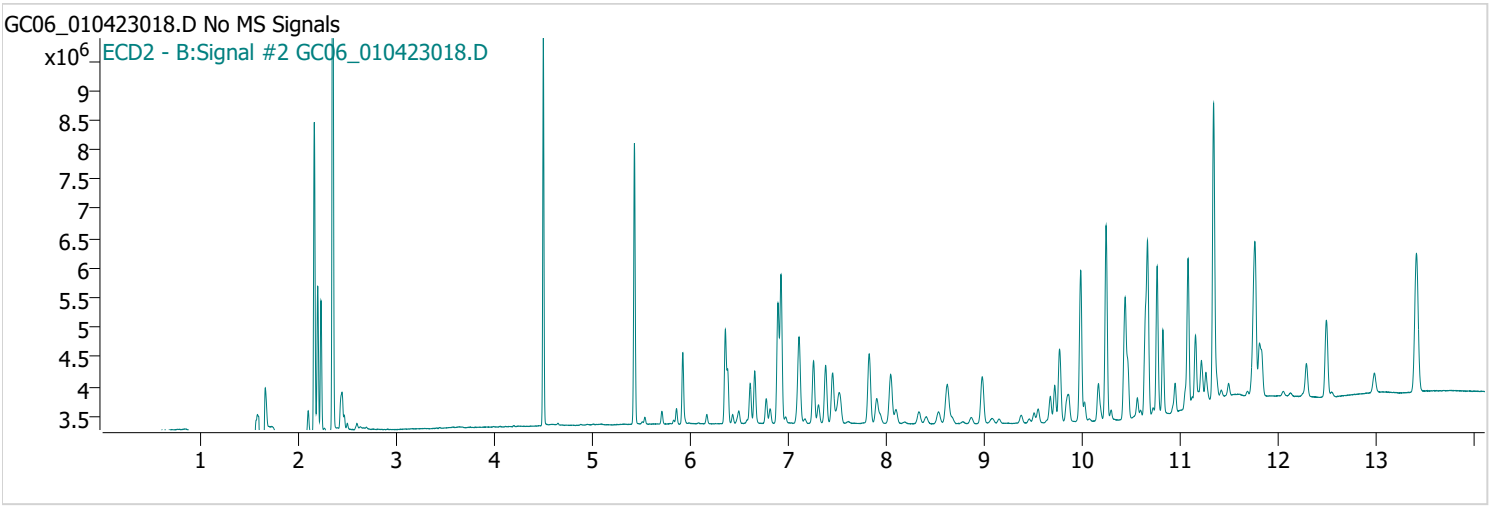
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.8807	13.42	0.00	2238241				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 4:44:39 PM
Sample Name	ICAL, S17800	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



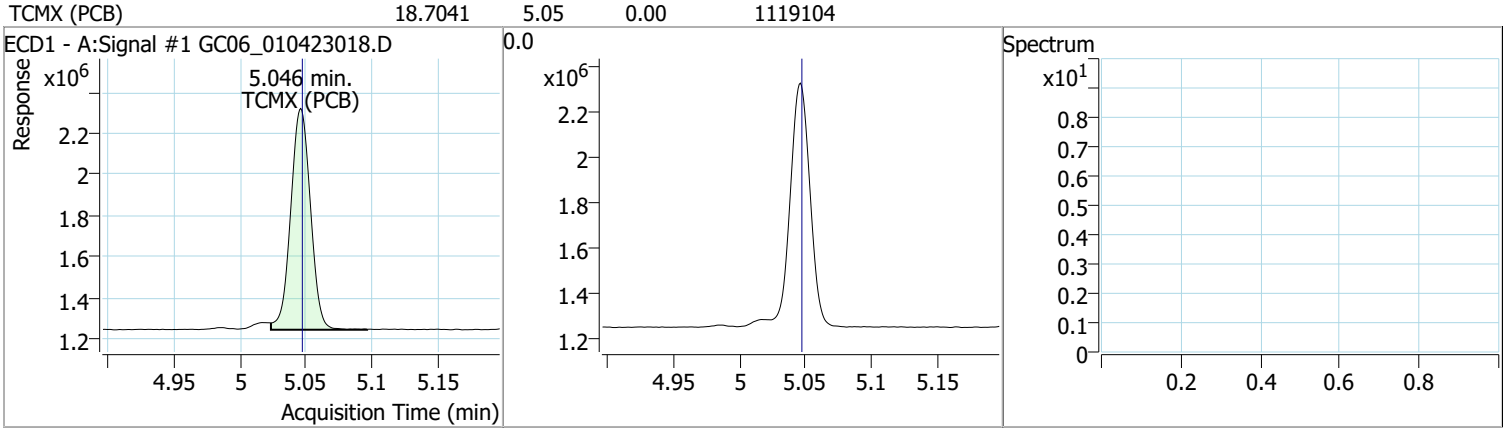


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1207428.623	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5670523.517	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.046	0.0	1119104.173	18.7041	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.52%		
S TCMX (PCB) #2	5.433	0.0	5080168.629	18.2738	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.37%		
S Decachlorobiphenyl (PCB)	12.053	0.0	1596604.175	18.9766	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.88%		
S Decachlorobiphenyl (PCB) #2	13.418	0.0	5905156.215	19.1839	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.92%		
Target Compounds						QValue

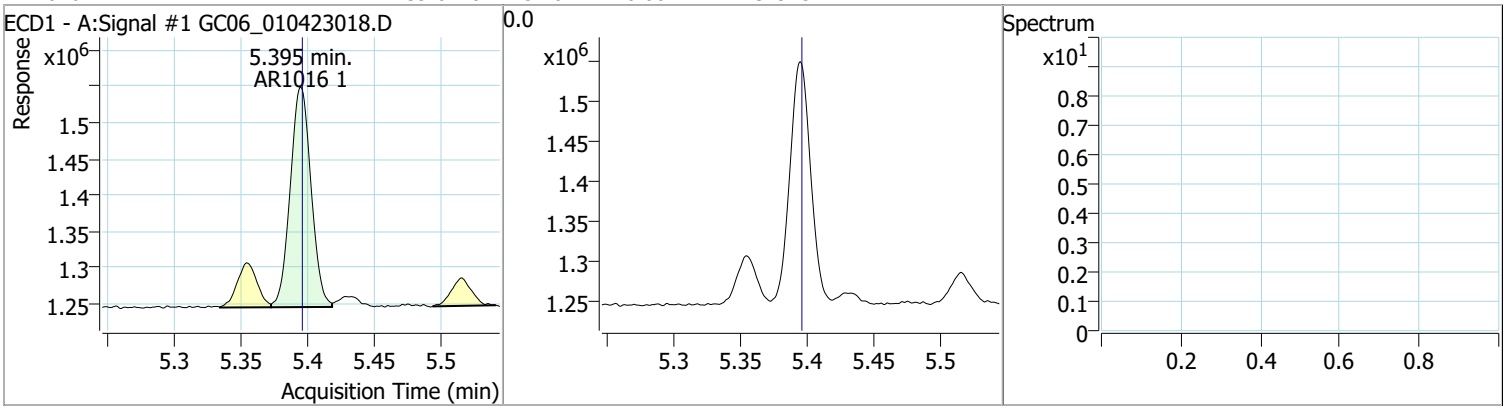
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.395	0.0	329753.697	239.6178	ng/ml		100
T AR1016 2	5.736	0.0	724182.742	268.7902	ng/ml		100
T AR1016 1 #2	5.927	0.0	1542750.735	246.2964	ng/ml		100
T AR1016 3	6.206	0.0	903208.573	262.1278	ng/ml		100
T AR1016 4	6.348	0.0	564105.738	256.6625	ng/ml	m	100
T AR1016 2 #2	6.361	0.0	2325760.533	257.4786	ng/ml	m	100
T AR1016 5	6.544	0.0	385015.341	266.8082	ng/ml		100
T AR1016 3 #2	6.929	0.0	4025359.739	253.1173	ng/ml		100
T AR1016 4 #2	7.113	0.0	2976783.457	256.5061	ng/ml		100
T AR1016 5 #2	7.830	0.0	2405585.376	258.6071	ng/ml		100
T AR1260 1	8.741	0.0	1131636.314	253.1710	ng/ml		100
T AR1260 2	9.228	0.0	1688901.467	271.1245	ng/ml		100
T AR1260 3	9.658	0.0	1776546.275	255.7146	ng/ml	m	100
T AR1260 1 #2	9.990	0.0	4410629.809	249.3619	ng/ml		100
T AR1260 4	10.143	0.0	1061745.206	290.2710	ng/ml		100
T AR1260 2 #2	10.249	0.0	5318796.762	278.5010	ng/ml		100
T AR1260 5	10.515	0.0	2185378.646	275.7029	ng/ml		100
T AR1260 3 #2	10.672	0.0	6798867.083	263.4119	ng/ml		100
T AR1260 4 #2	11.087	0.0	3879448.834	273.4112	ng/ml		100
T AR1260 5 #2	11.768	0.0	6138775.390	262.6236	ng/ml		100

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

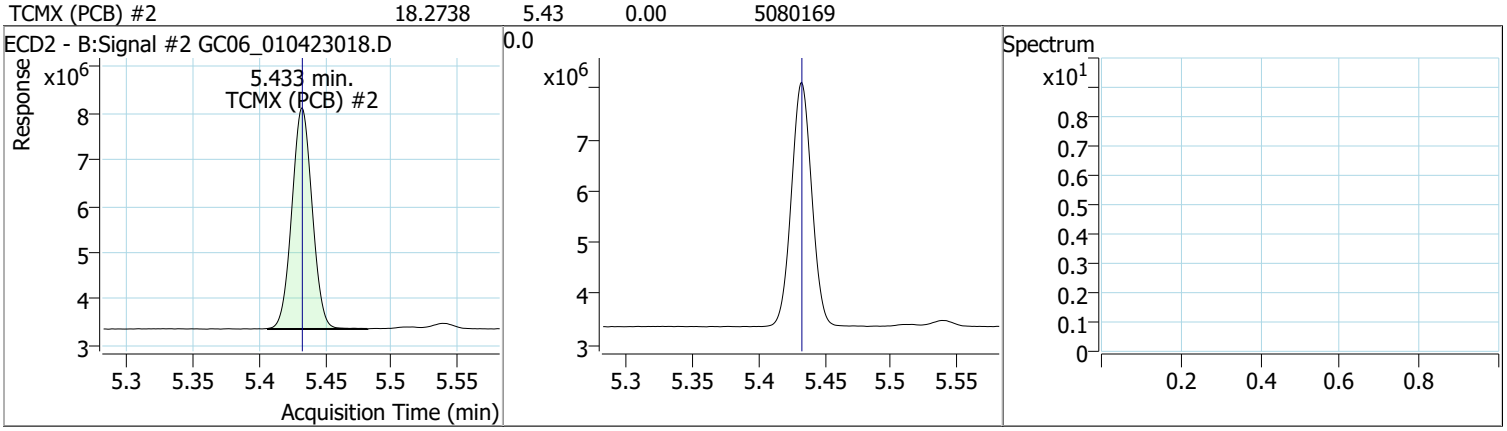
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7041	5.05	0.00	1119104				



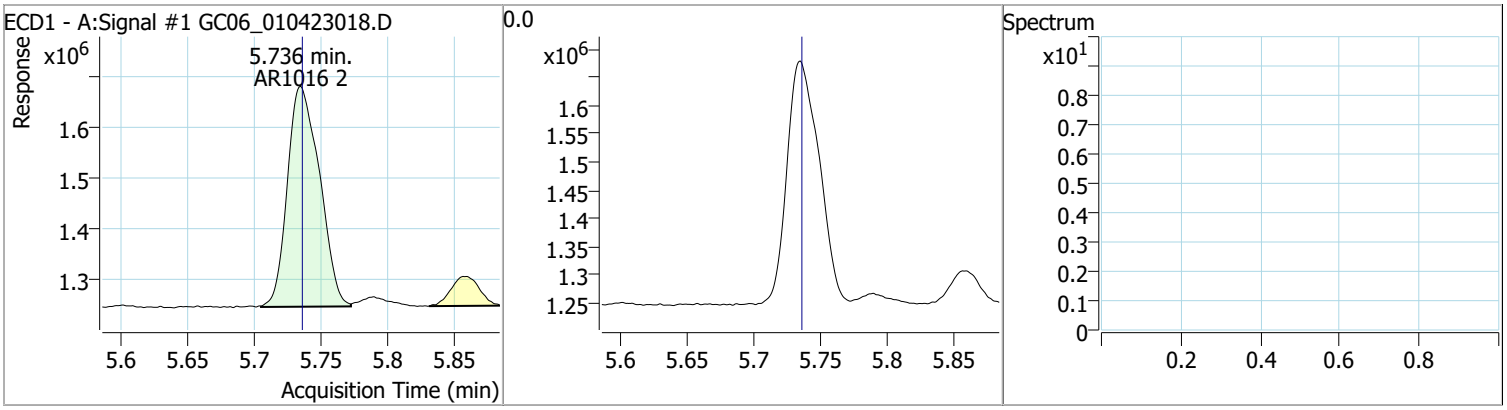
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	239.6178	5.40	0.00	329754				



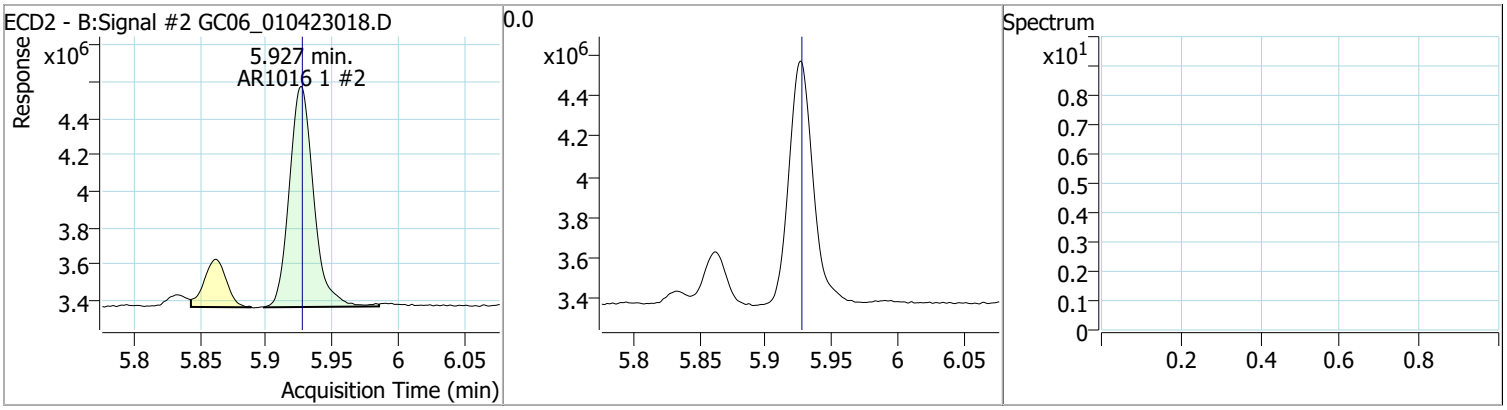
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.2738	5.43	0.00	5080169				



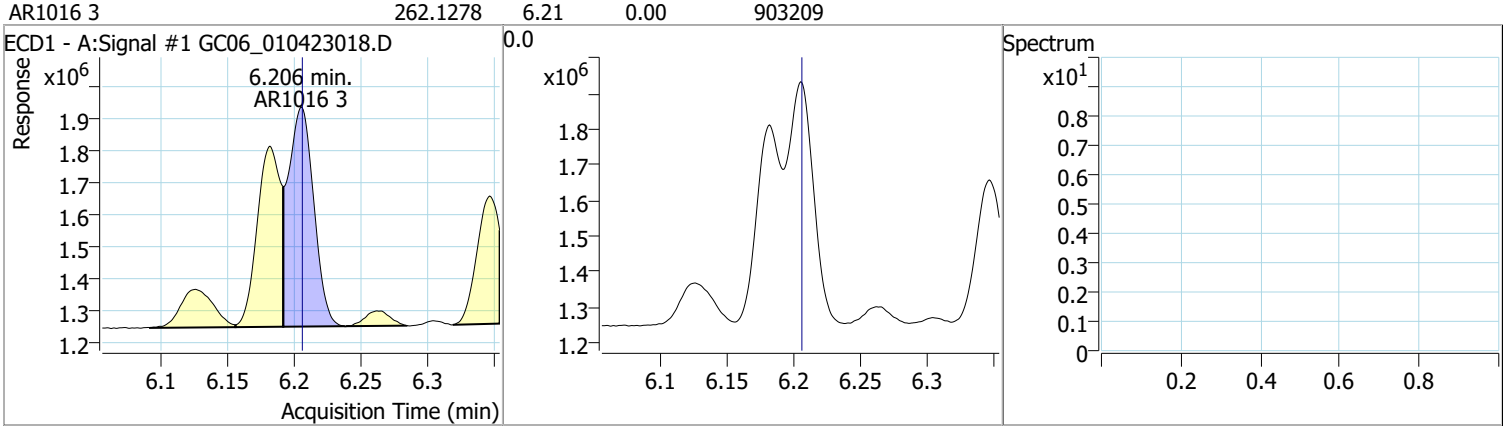
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	268.7902	5.74	0.00	724183				



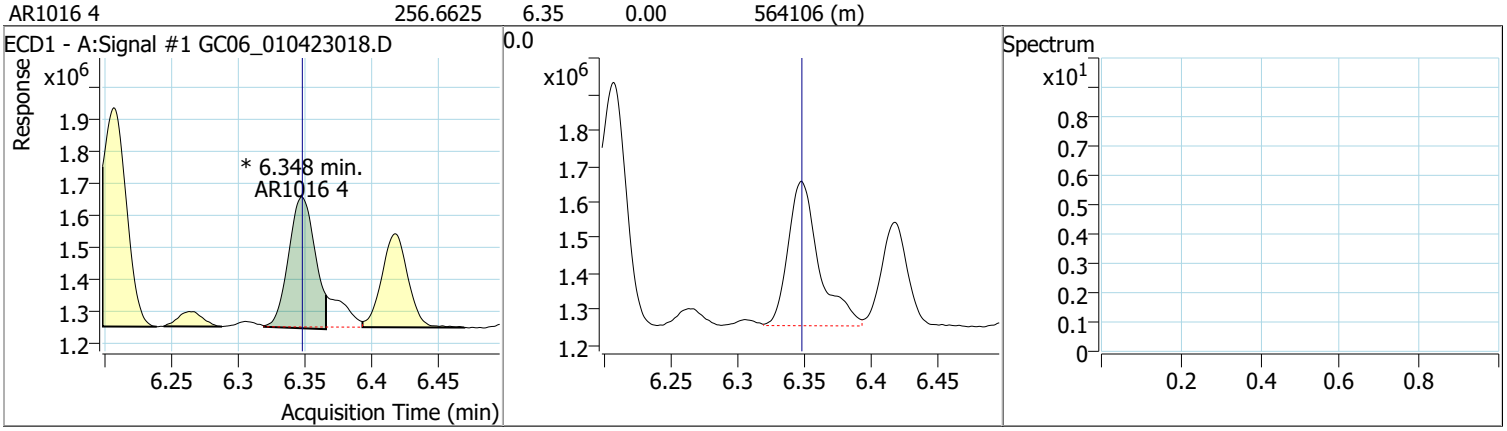
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	246.2964	5.93	0.00	1542751				



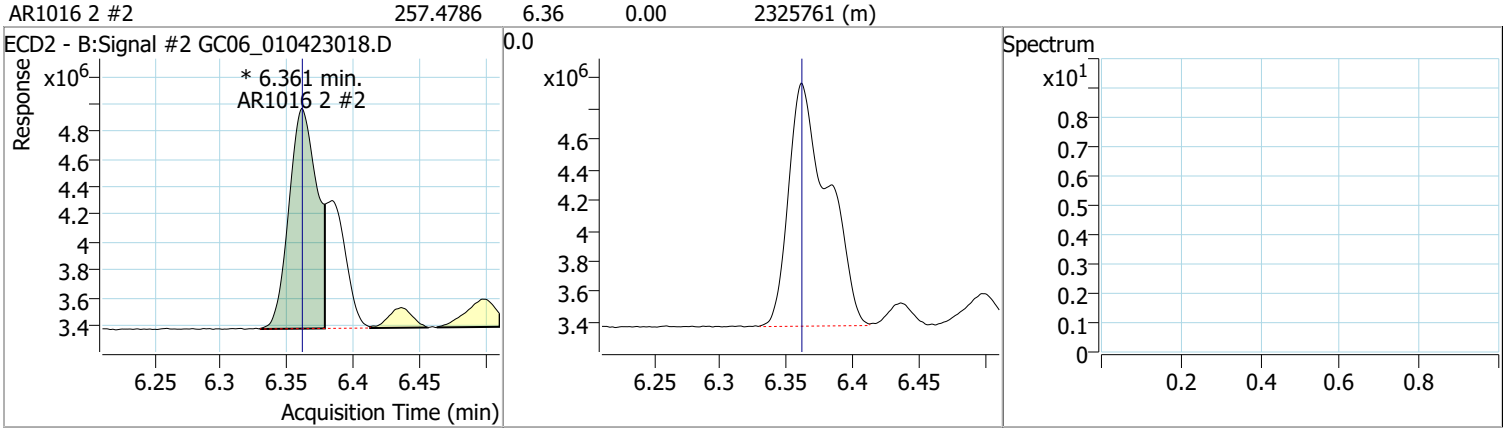
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	262.1278	6.21	0.00	903209				



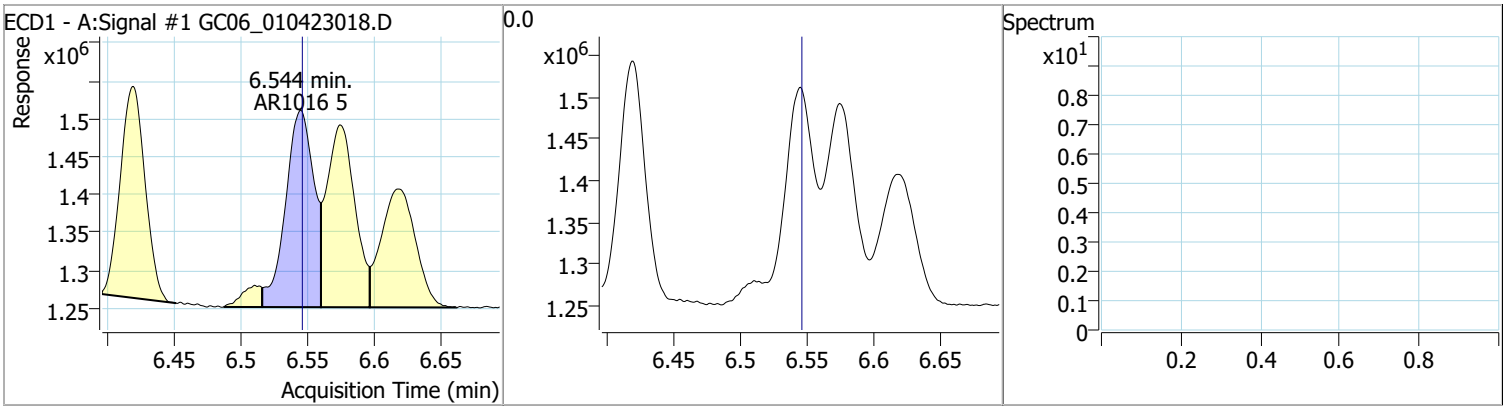
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	256.6625	6.35	0.00	564106 (m)				



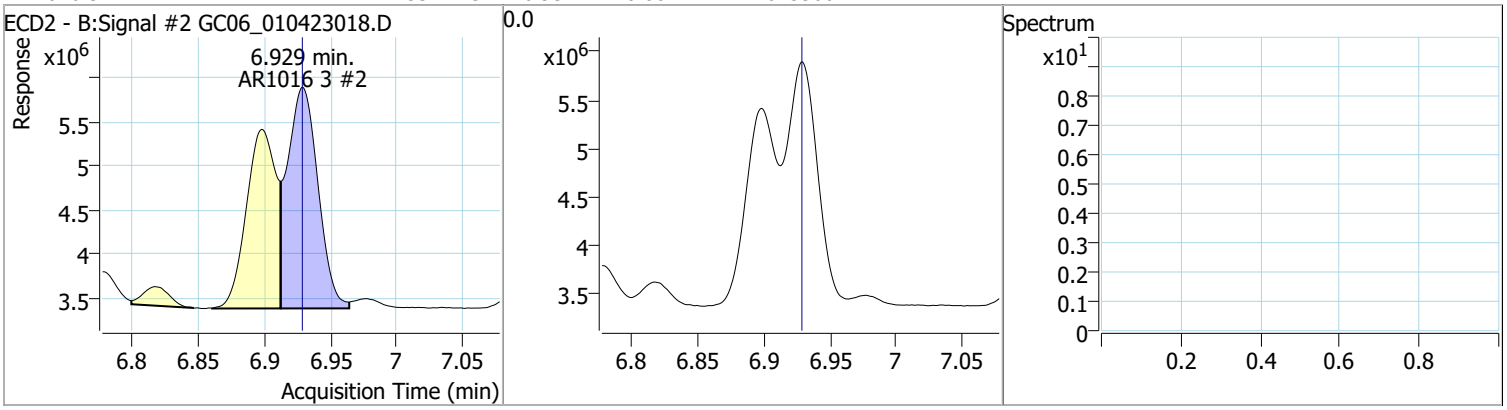
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	257.4786	6.36	0.00	2325761 (m)				



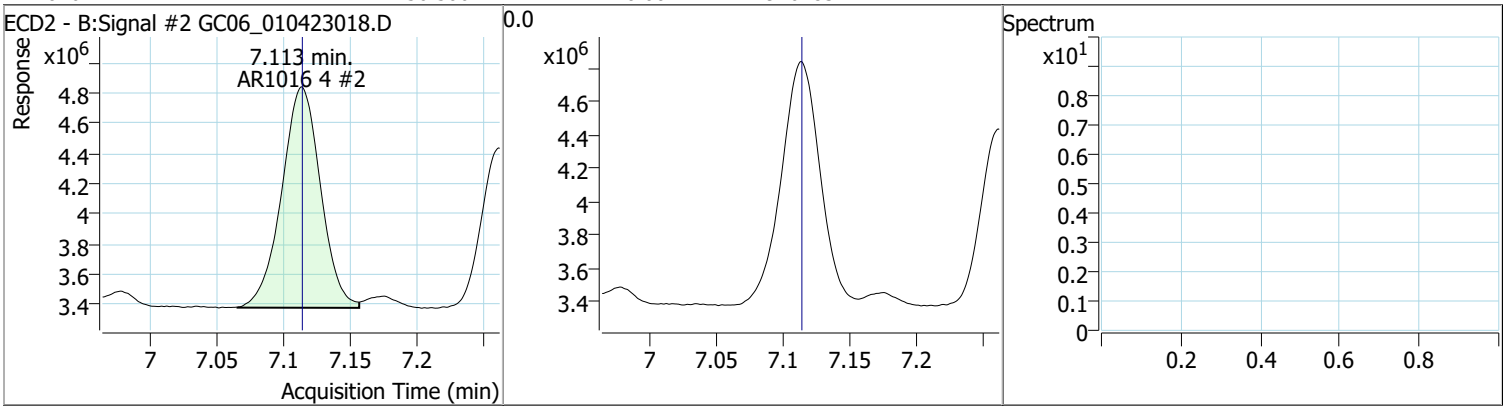
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	266.8082	6.54	0.00	385015				



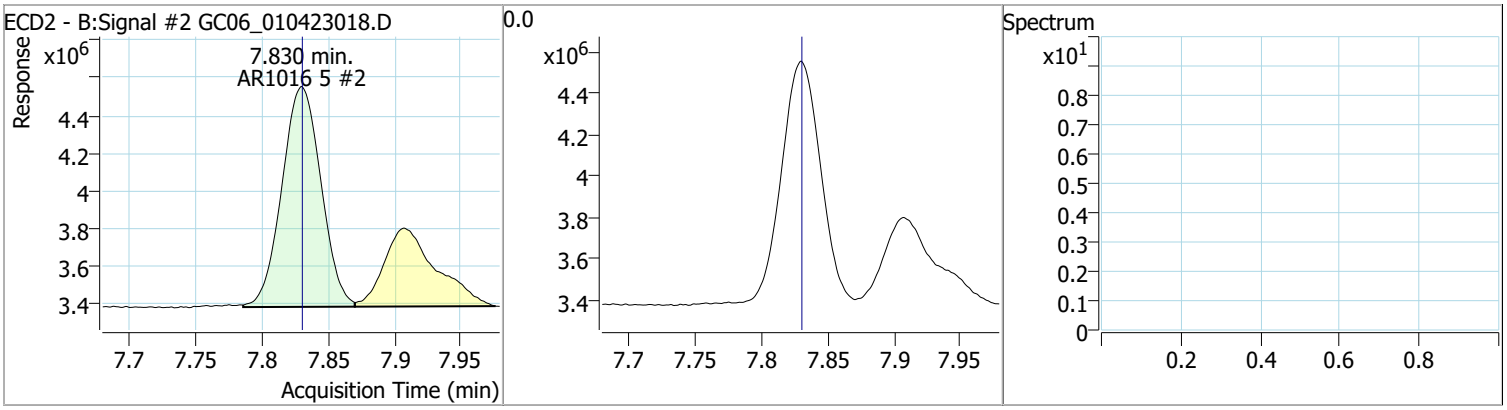
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	253.1173	6.93	0.00	4025360				



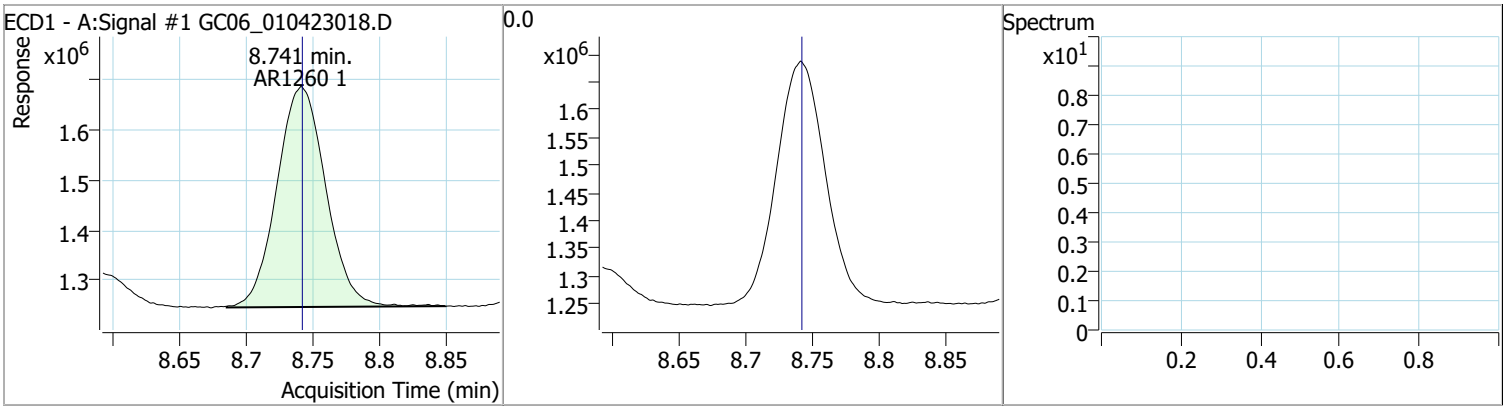
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AR1016 4 #2	256.5061	7.11	0.00	2976783				



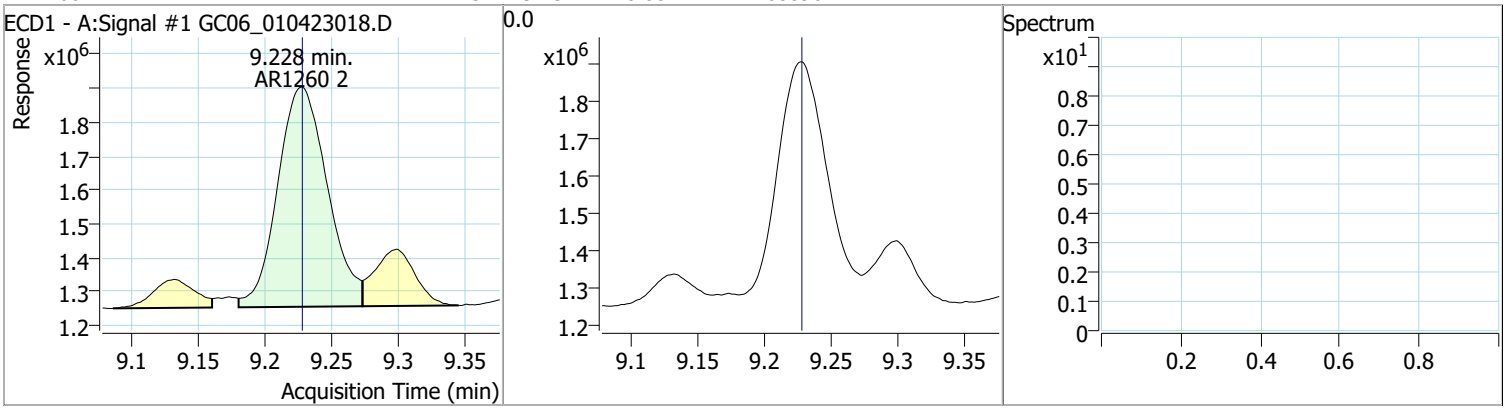
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AR1016 5 #2	258.6071	7.83	0.00	2405585				



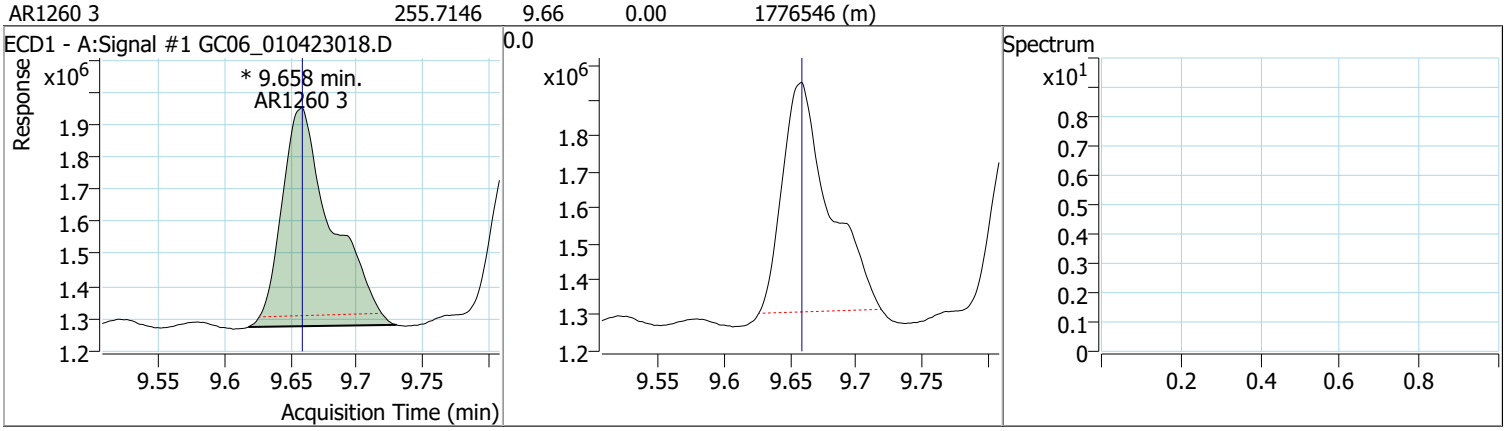
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	253.1710	8.74	0.00	1131636				



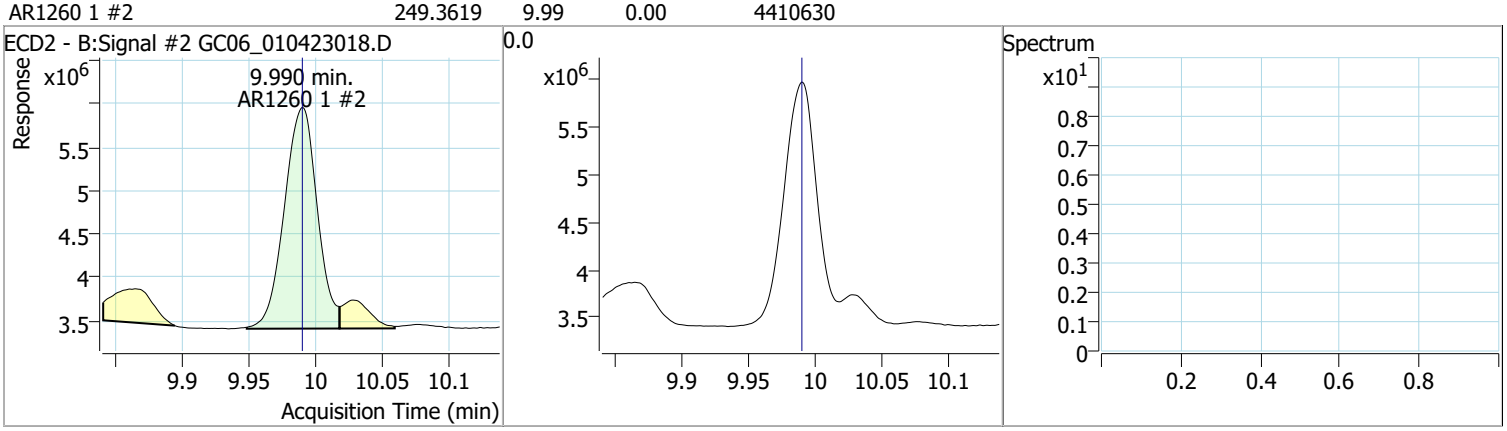
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	271.1245	9.23	0.00	1688901				



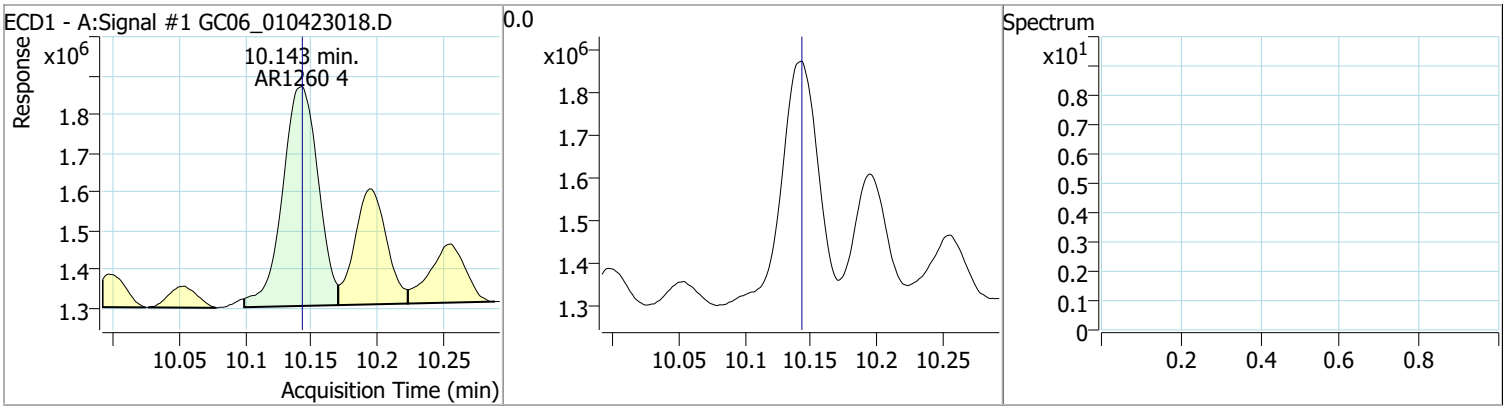
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	255.7146	9.66	0.00	1776546 (m)				



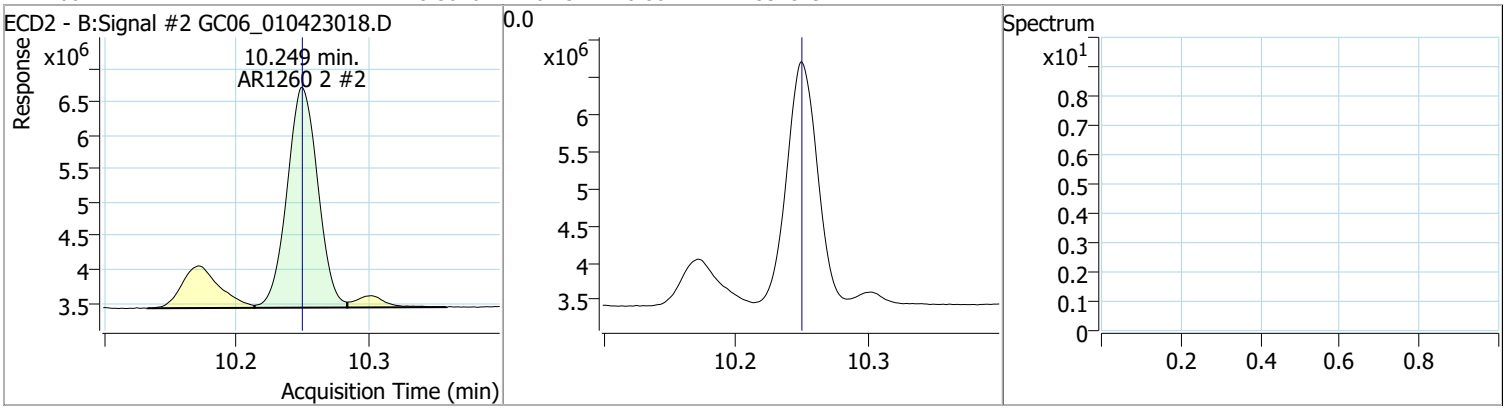
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	249.3619	9.99	0.00	4410630				



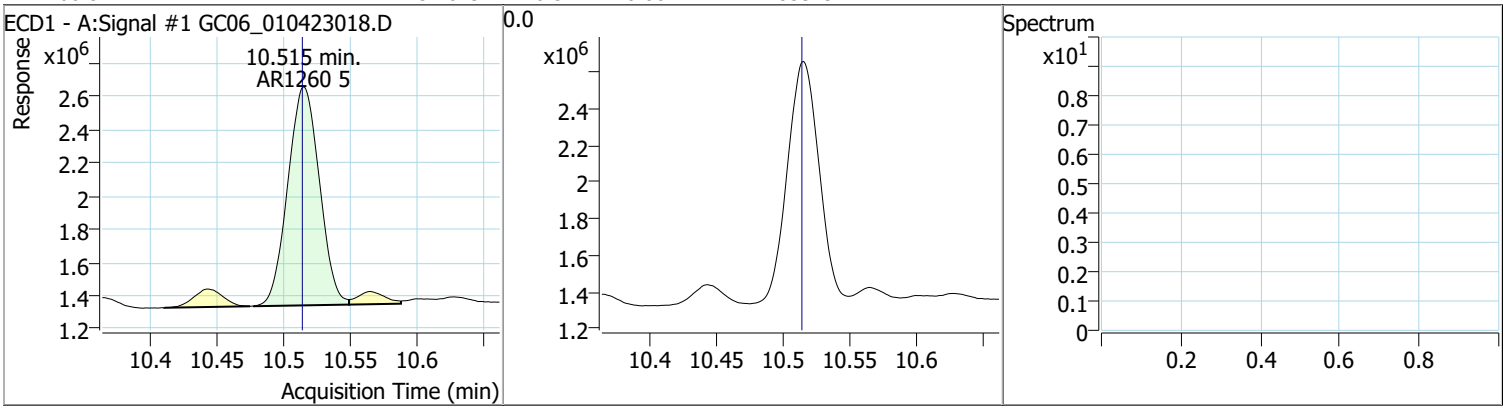
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	290.2710	10.14	0.00	1061745				



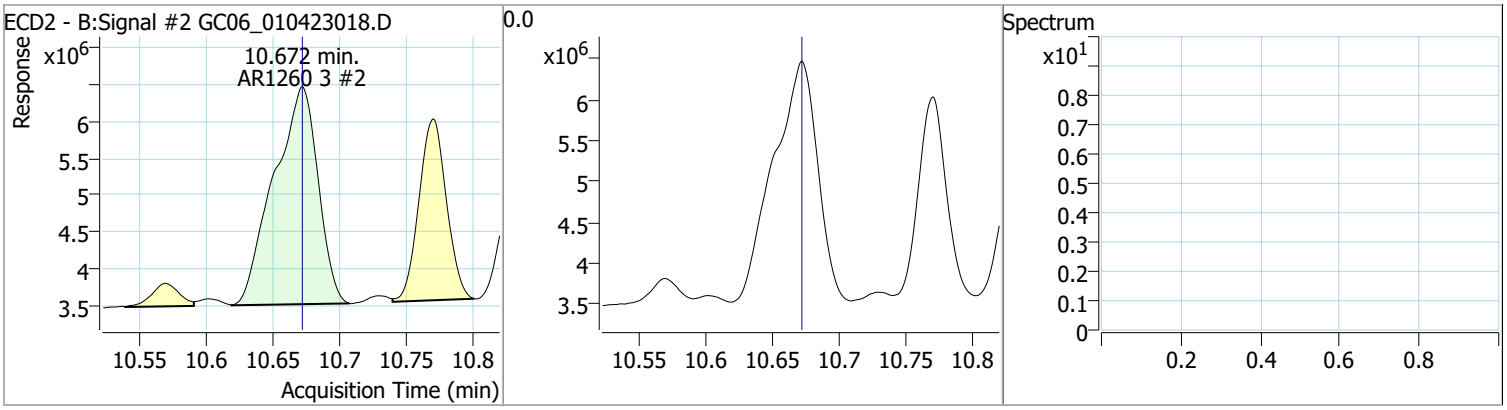
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	278.5010	10.25	0.00	5318797				



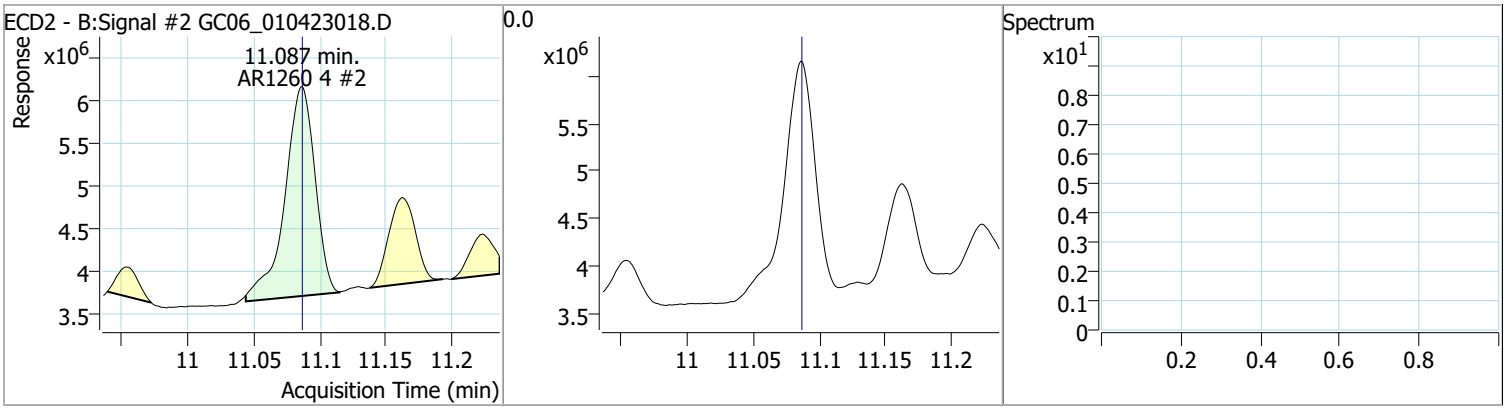
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	275.7029	10.52	0.00	2185379				



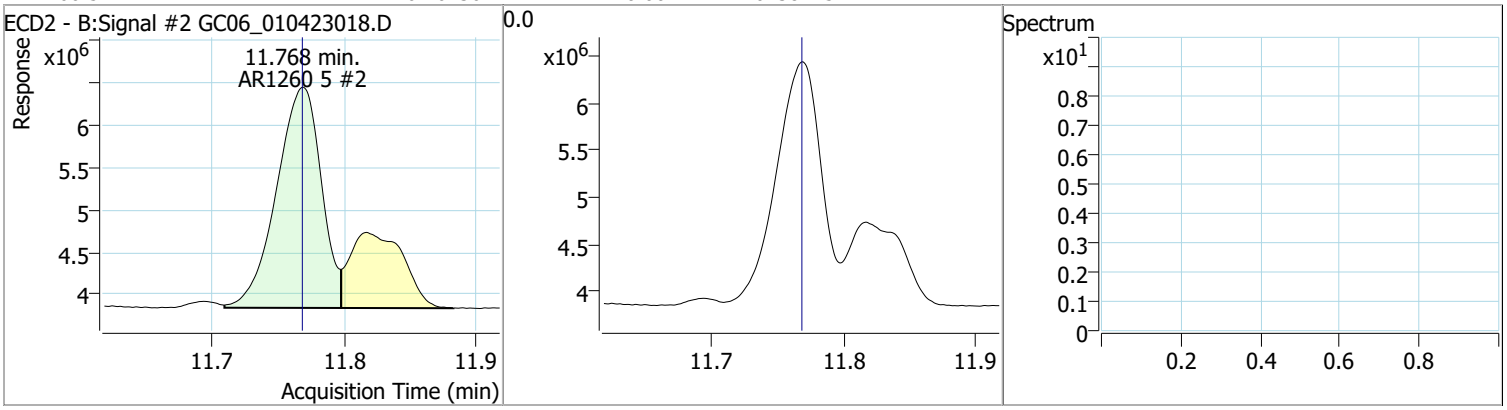
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	263.4119	10.67	0.00	6798867				



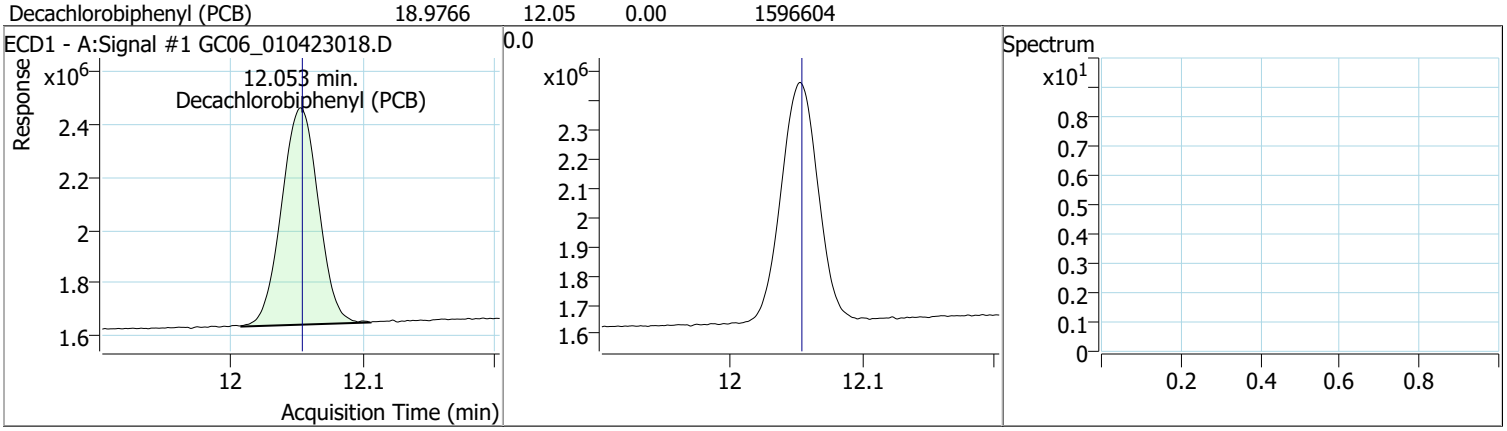
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	273.4112	11.09	0.00	3879449				



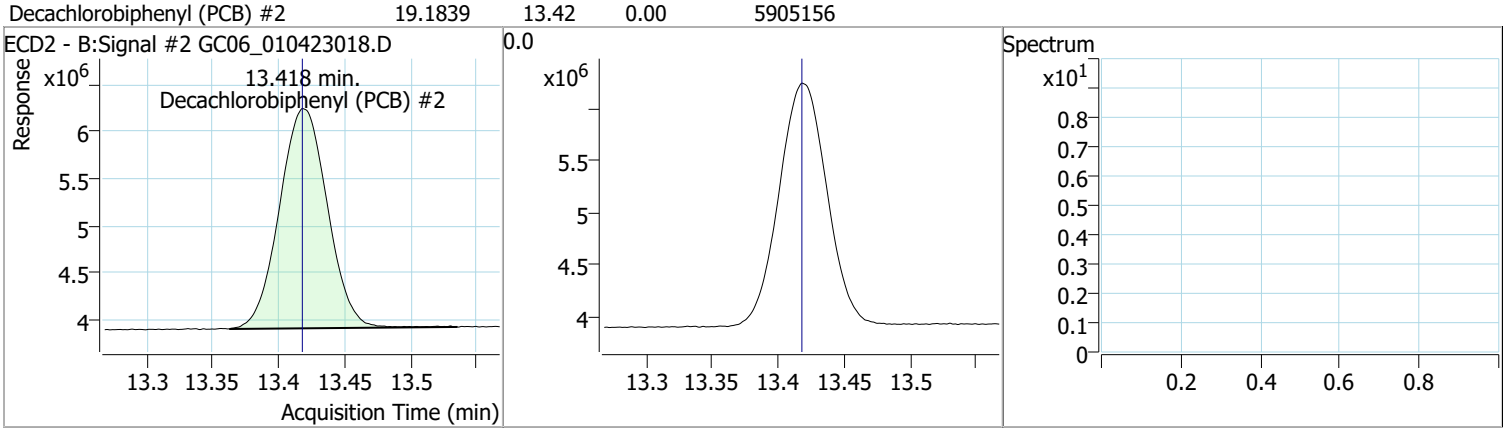
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	262.6236	11.77	0.00	6138775				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9766	12.05	0.00	1596604				

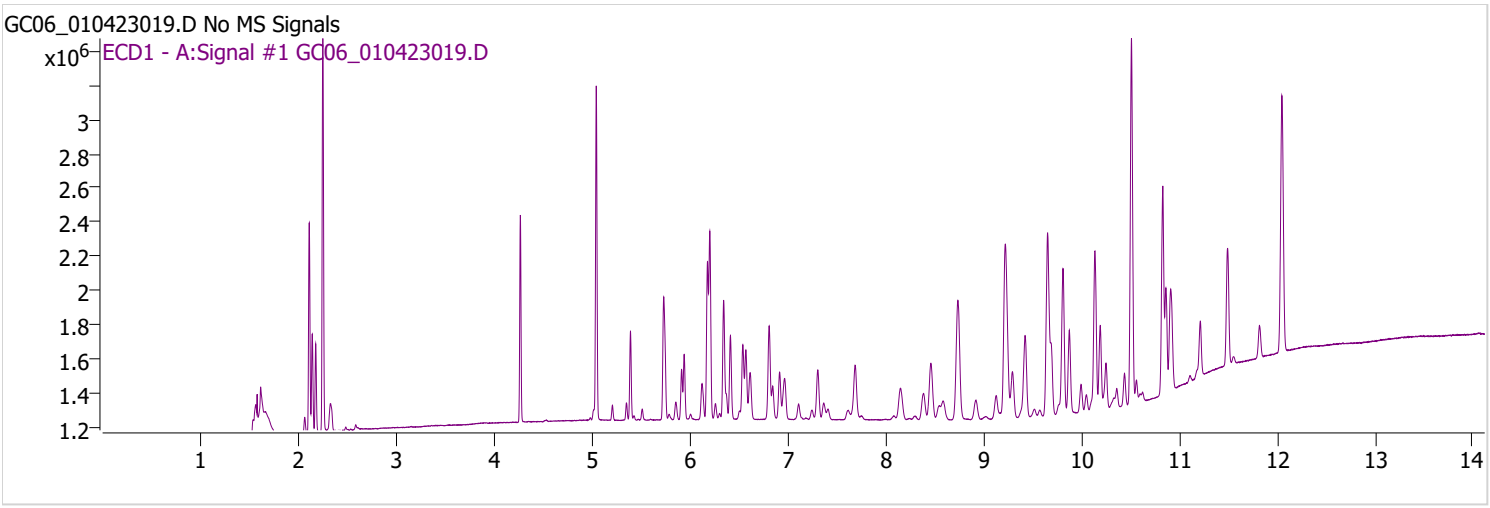


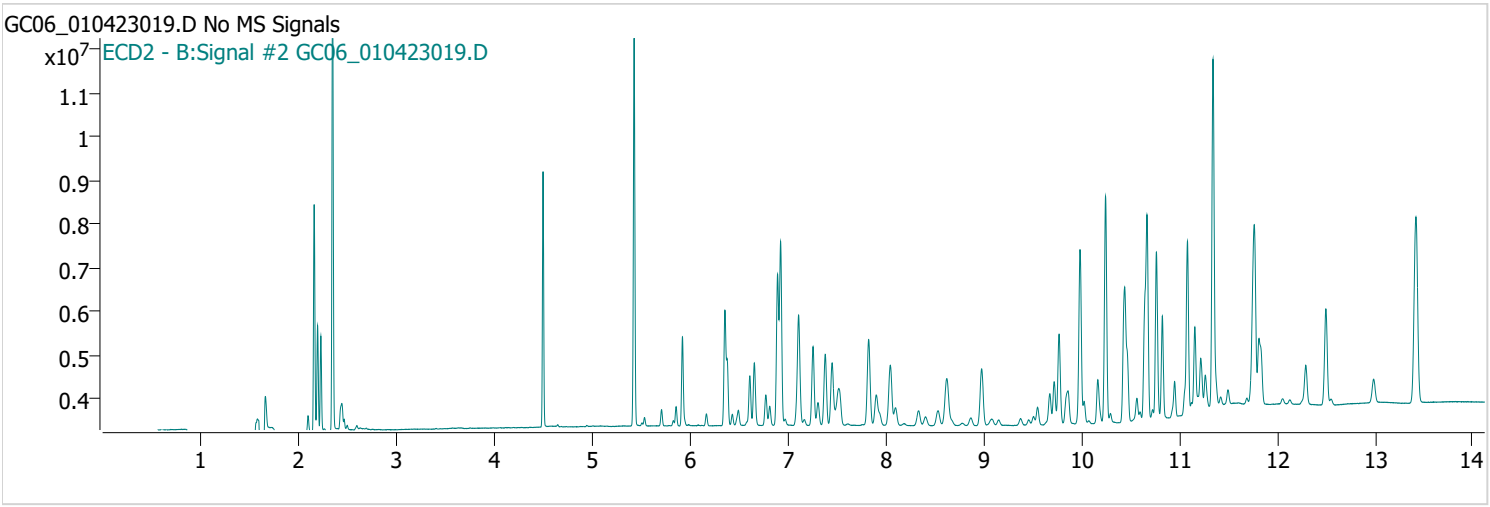
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.1839	13.42	0.00	5905156				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:02:58 PM
Sample Name	ICAL, S17801	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



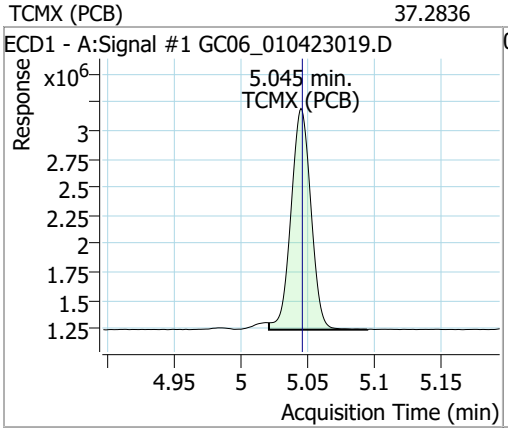


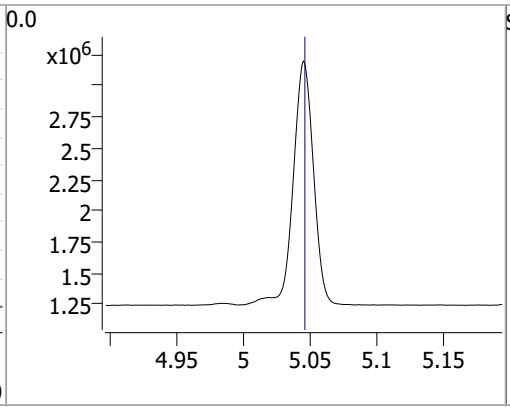
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1108699.797	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.501	0.0	5179002.636	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	2048346.028	37.2836	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.42%		*	
S TCMX (PCB) #2	5.432	0.0	9502578.949	37.4256	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.13%		*	
S Decachlorobiphenyl (PCB)	12.050	0.0	2898249.046	37.5149	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.57%		*	
S Decachlorobiphenyl (PCB) #2	13.420	0.0	10877479.156	38.6911	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.46%		*	
Target Compounds							QValue

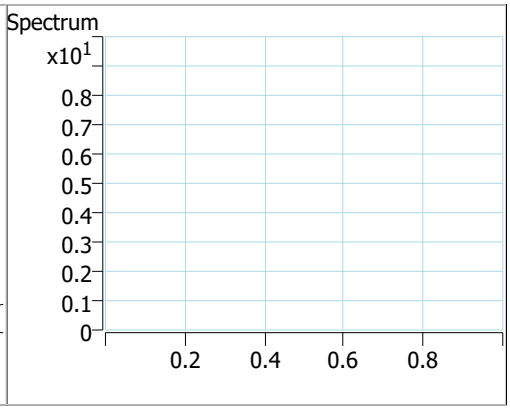
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.394	0.0	569037.856	450.3167	ng/ml		100
T AR1016 2	5.734	0.0	1208445.397	512.6939	ng/ml		100
T AR1016 1 #2	5.926	0.0	2579774.733	450.9424	ng/ml		100
T AR1016 3	6.205	0.0	1491945.762	471.5476	ng/ml		100
T AR1016 4	6.346	0.0	995413.996	493.2342	ng/ml	m	100
T AR1016 2 #2	6.359	0.0	3813279.354	462.2232	ng/ml	m	100
T AR1016 5	6.543	0.0	648153.439	489.1549	ng/ml		100
T AR1016 3 #2	6.928	0.0	6691810.017	460.7208	ng/ml		100
T AR1016 4 #2	7.113	0.0	4985665.652	470.3819	ng/ml		100
T AR1016 5 #2	7.828	0.0	4035054.189	474.9480	ng/ml		100
T AR1260 1	8.740	0.0	1811210.111	441.2893	ng/ml		100
T AR1260 2	9.224	0.0	2673863.071	467.4672	ng/ml		100
T AR1260 3	9.657	0.0	2859816.143	448.2957	ng/ml		100
T AR1260 1 #2	9.988	0.0	7098955.518	439.4413	ng/ml		100
T AR1260 4	10.140	0.0	1707022.905	508.2416	ng/ml		100
T AR1260 2 #2	10.248	0.0	8465010.833	509.7982	ng/ml		100
T AR1260 5	10.513	0.0	3483004.368	478.5377	ng/ml		100
T AR1260 3 #2	10.672	0.0	10867872.827	461.0207	ng/ml		100
T AR1260 4 #2	11.086	0.0	6273599.226	484.1055	ng/ml		100
T AR1260 5 #2	11.768	0.0	9986257.918	467.7694	ng/ml		100

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

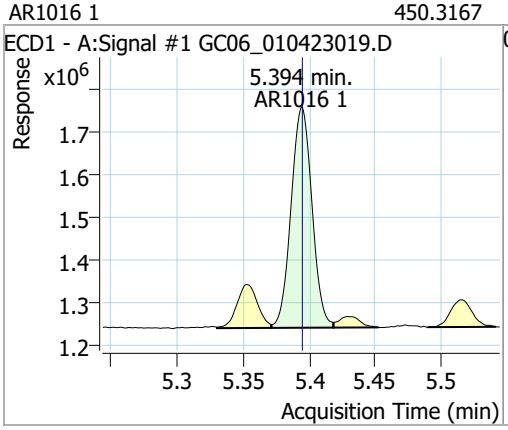
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.2836	5.05	0.00	2048346				

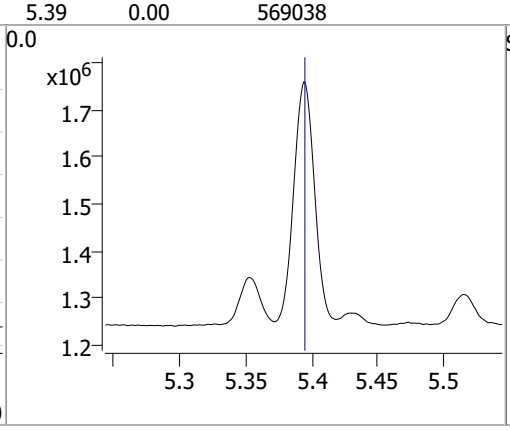


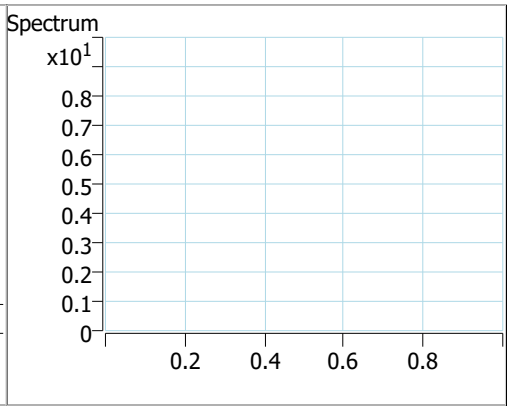




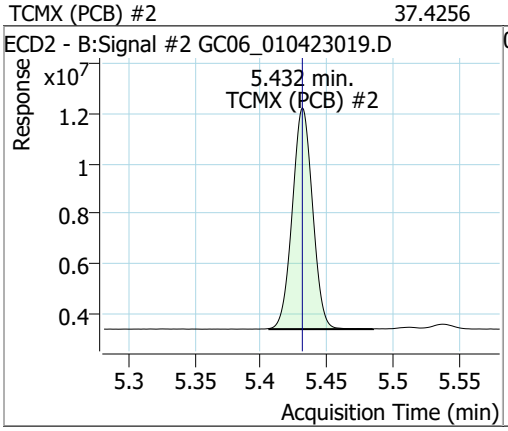
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	450.3167	5.39	0.00	569038				

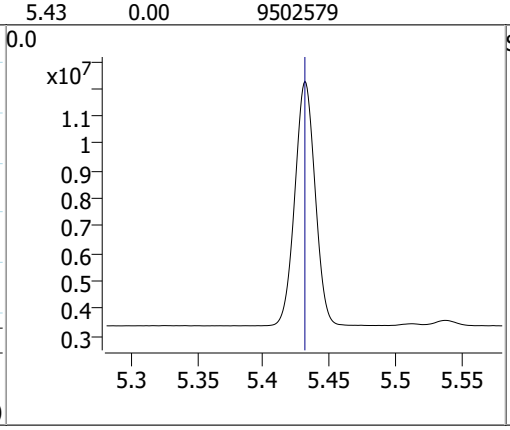


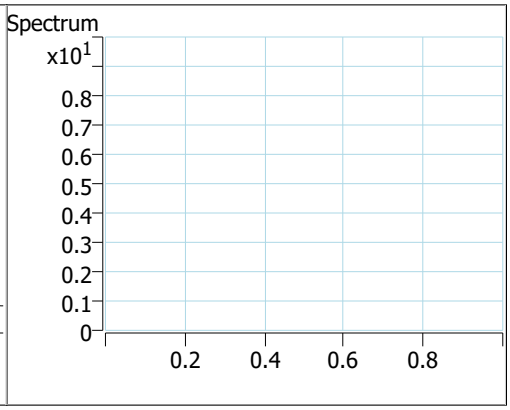




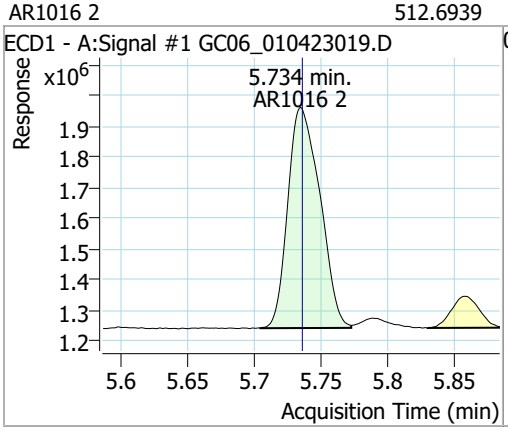
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.4256	5.43	0.00	9502579				

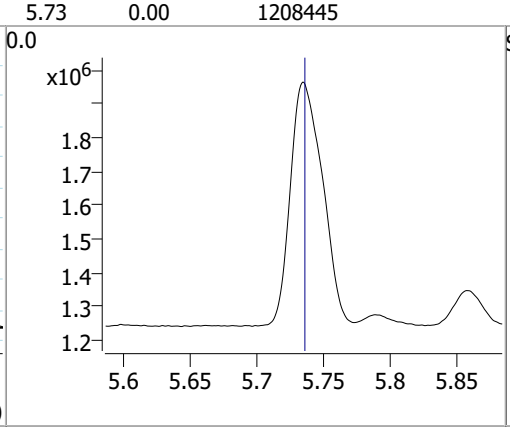


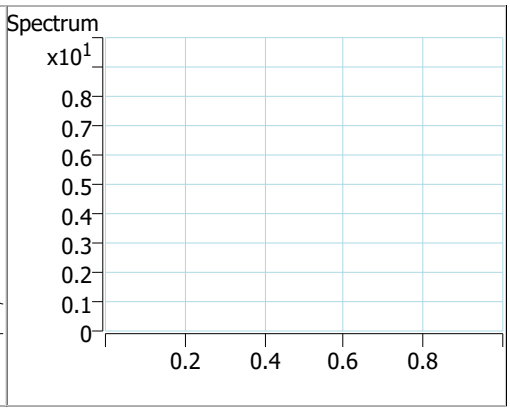




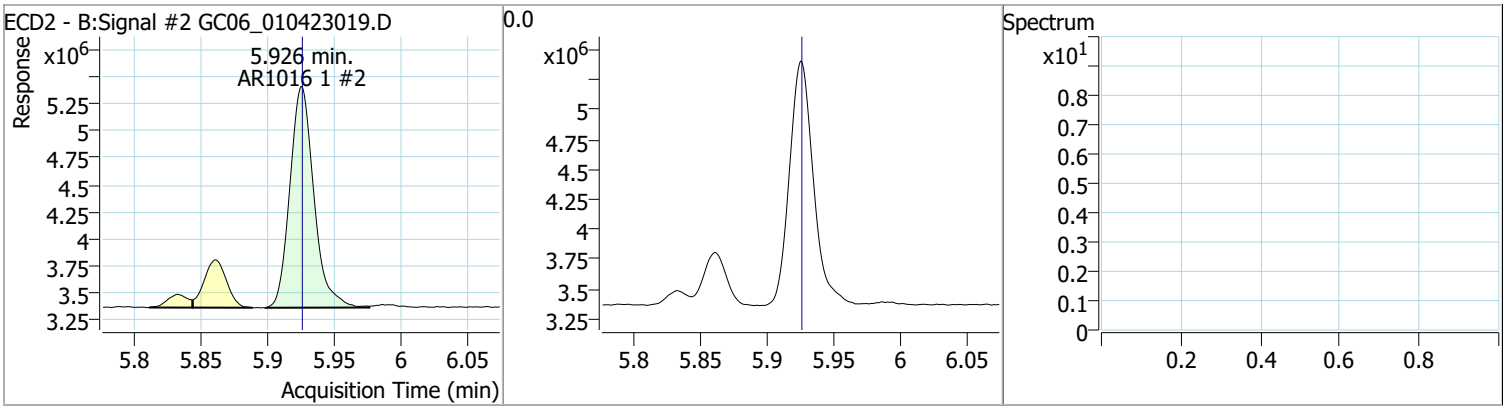
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	512.6939	5.73	0.00	1208445				



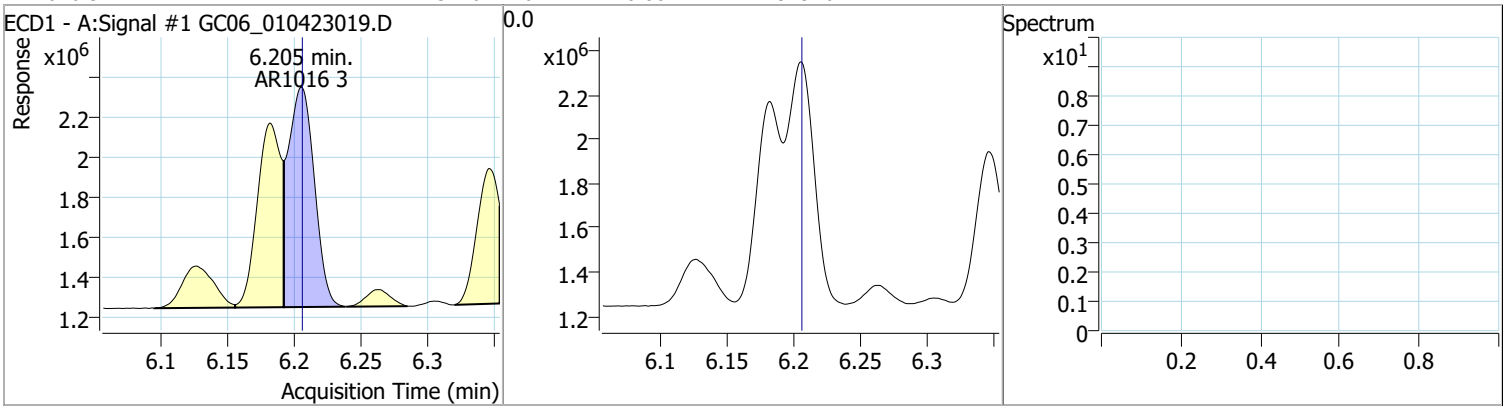




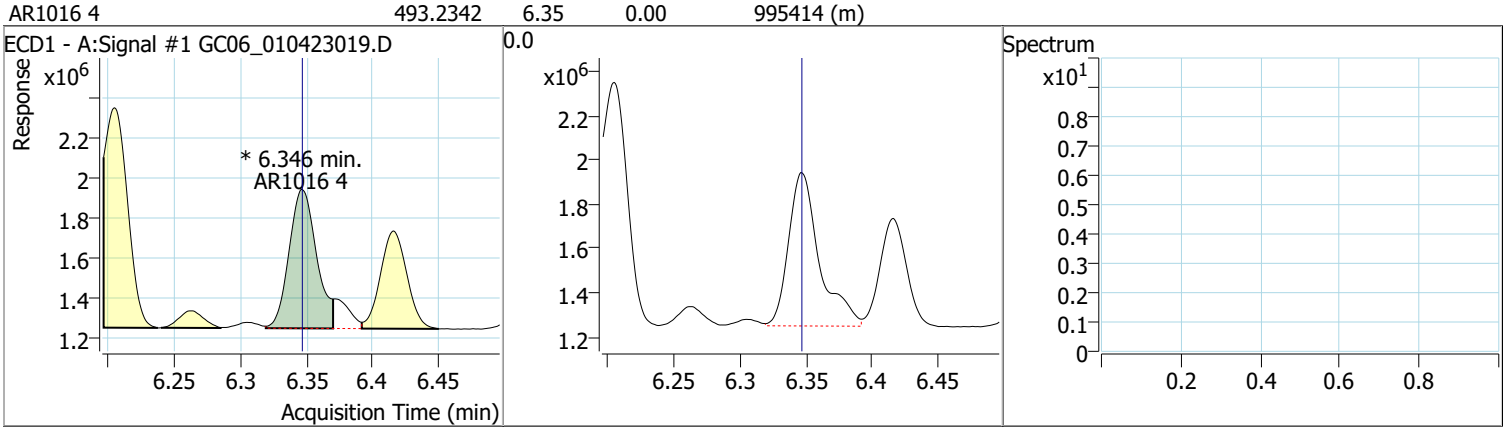
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	450.9424	5.93	0.00	2579775				



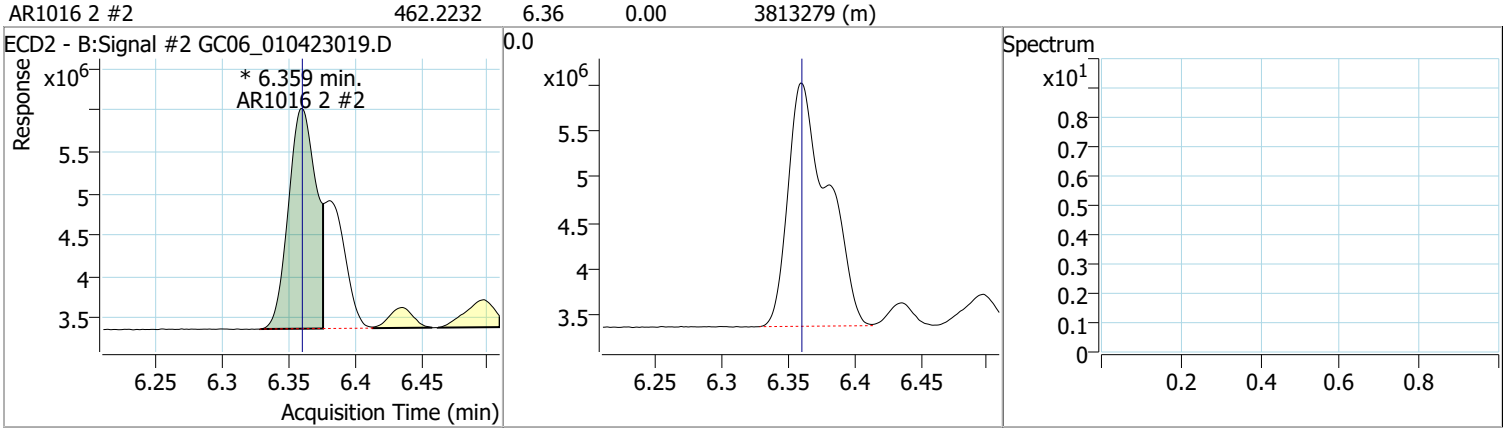
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.5476	6.21	0.00	1491946				



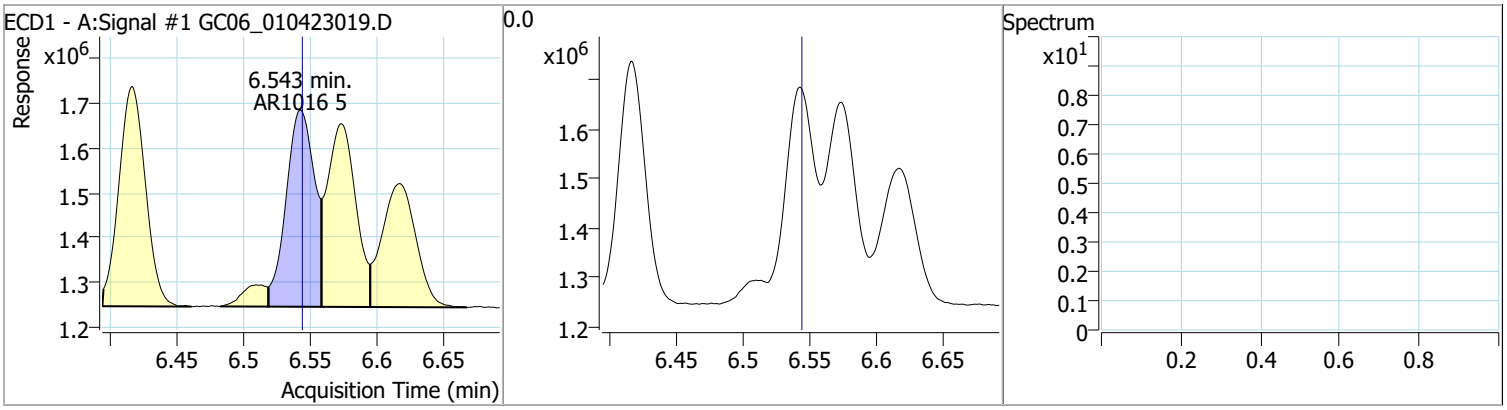
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	493.2342	6.35	0.00	995414 (m)				



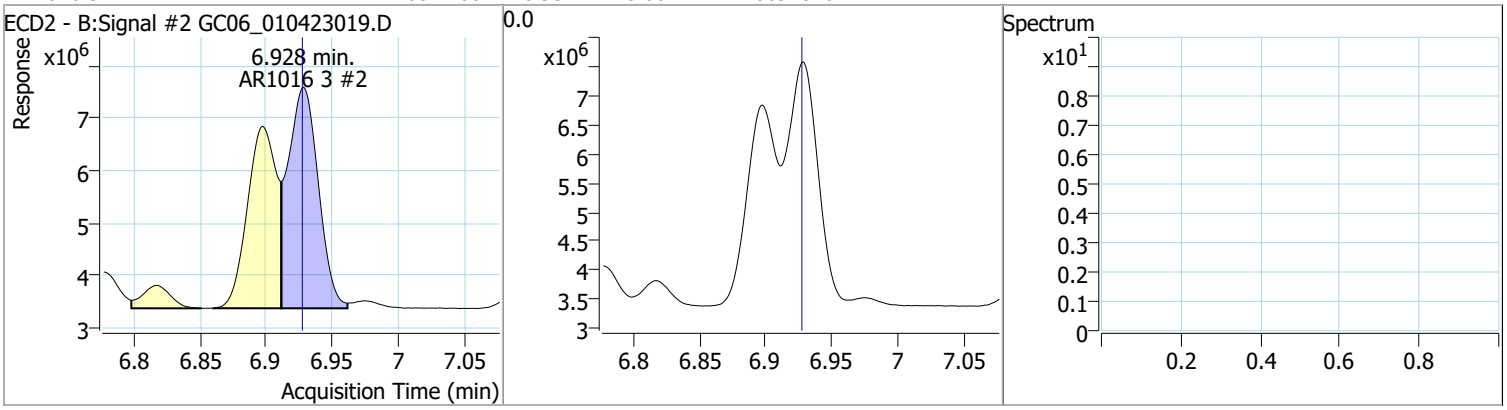
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	462.2232	6.36	0.00	3813279 (m)				



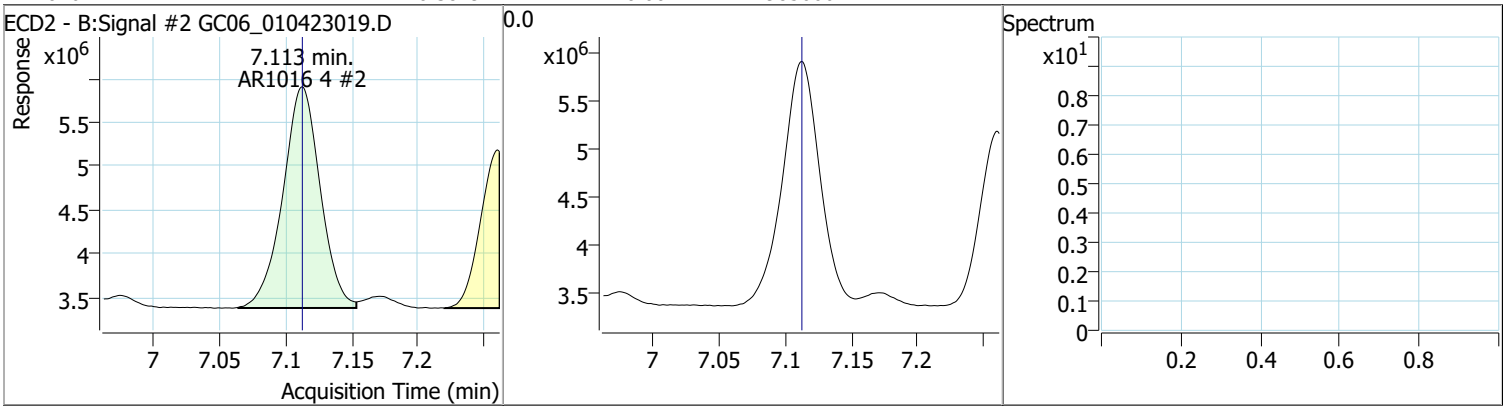
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	489.1549	6.54	0.00	648153				



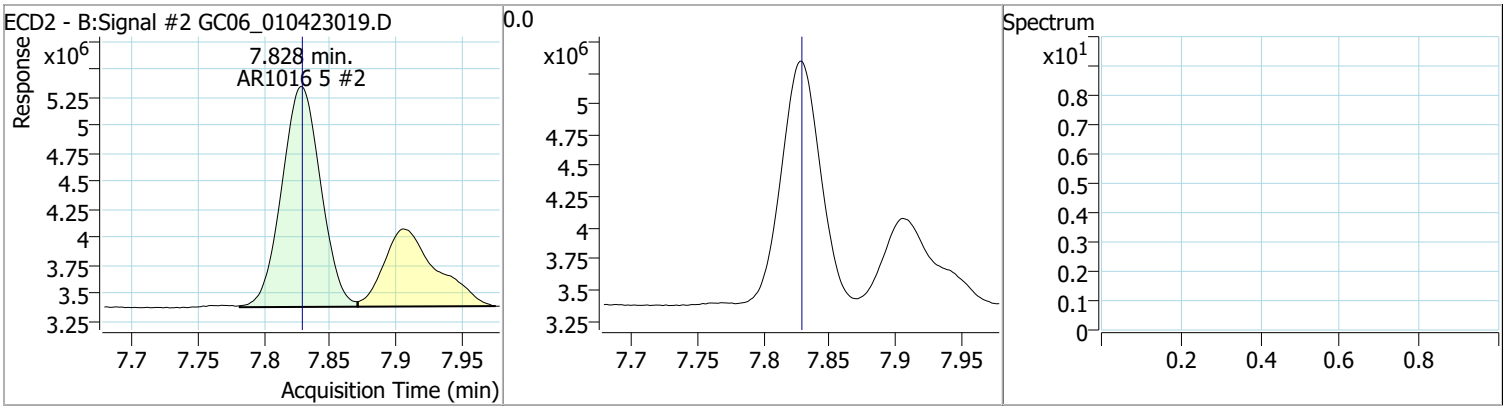
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	460.7208	6.93	0.00	6691810				



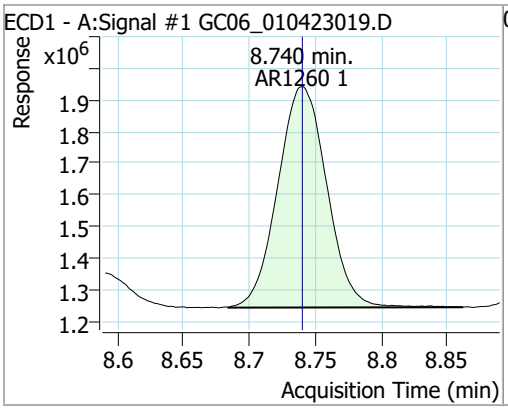
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	470.3819	7.11	0.00	4985666				

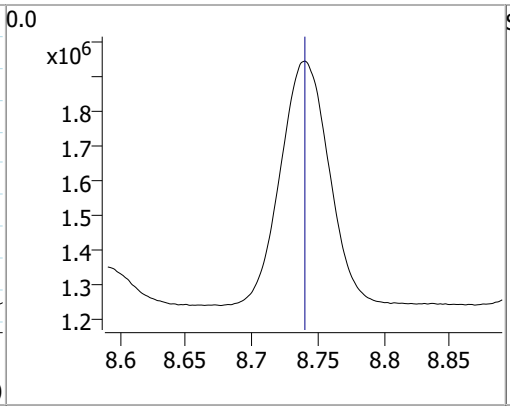


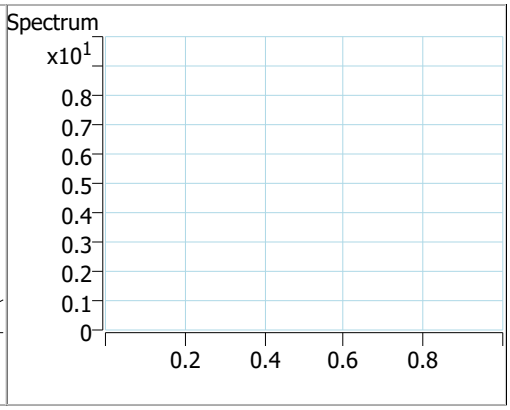
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	474.9480	7.83	0.00	4035054				



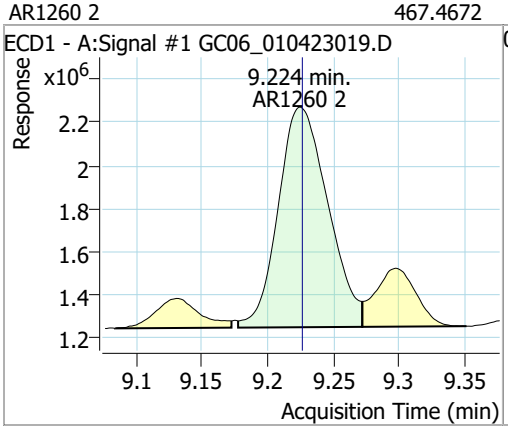
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	441.2893	8.74	0.00	1811210				

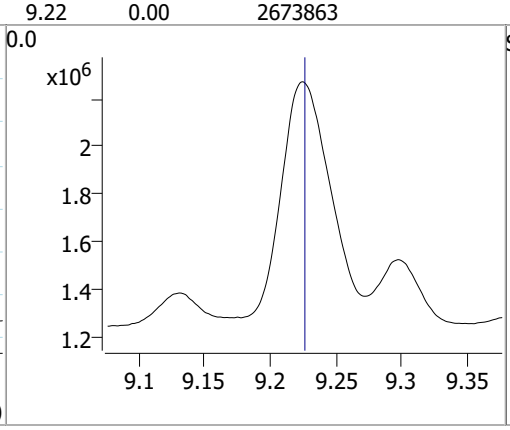


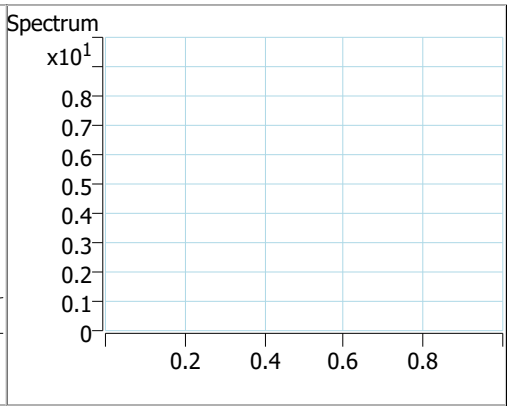




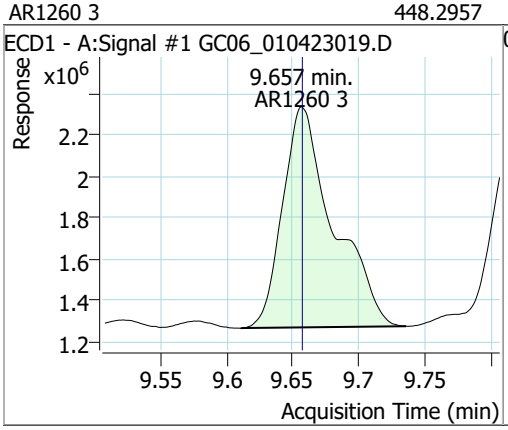
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	467.4672	9.22	0.00	2673863				

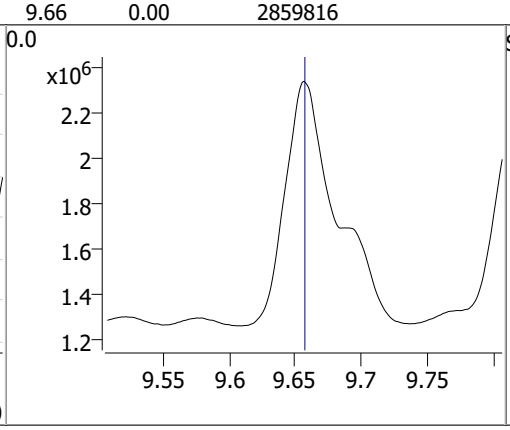


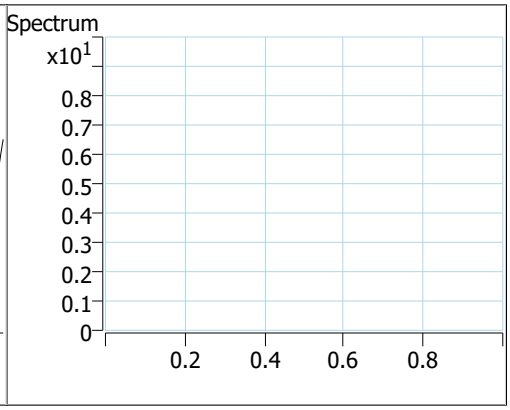




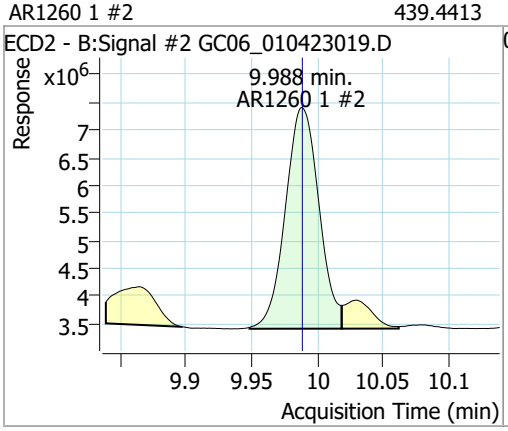
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	448.2957	9.66	0.00	2859816				

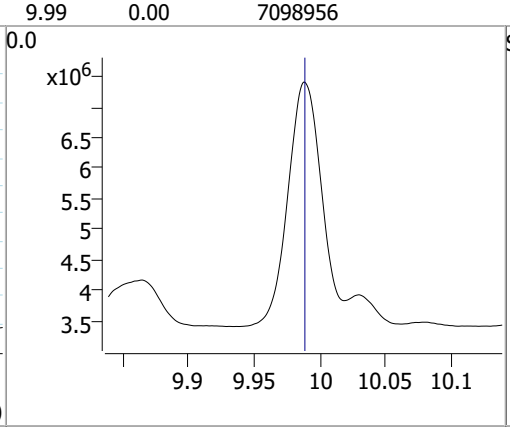


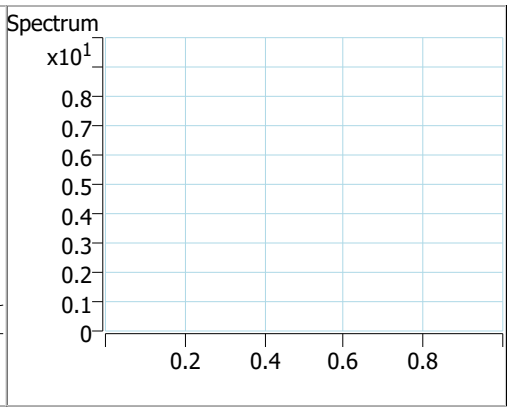




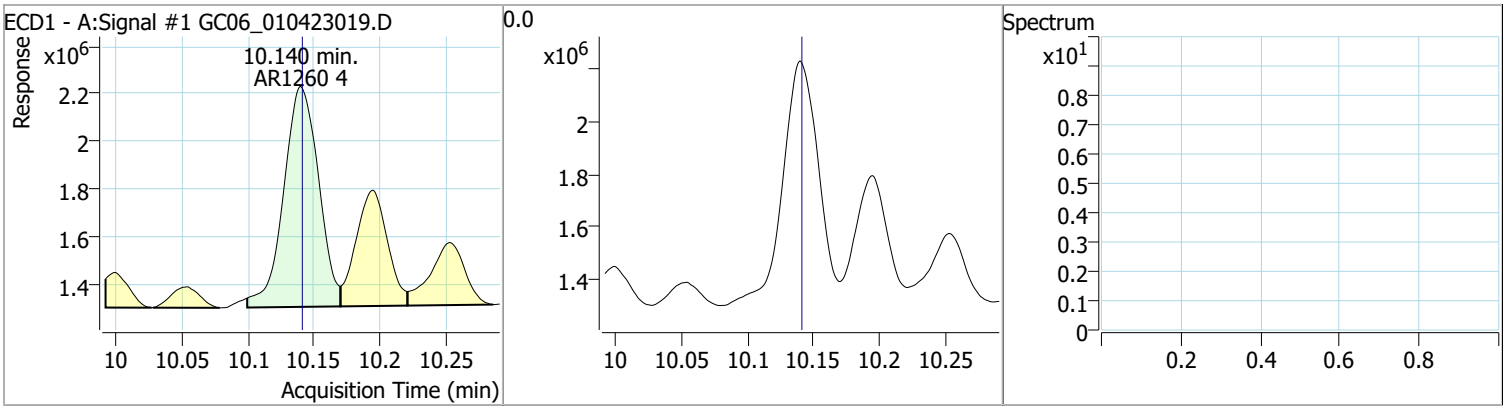
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	439.4413	9.99	0.00	7098956				



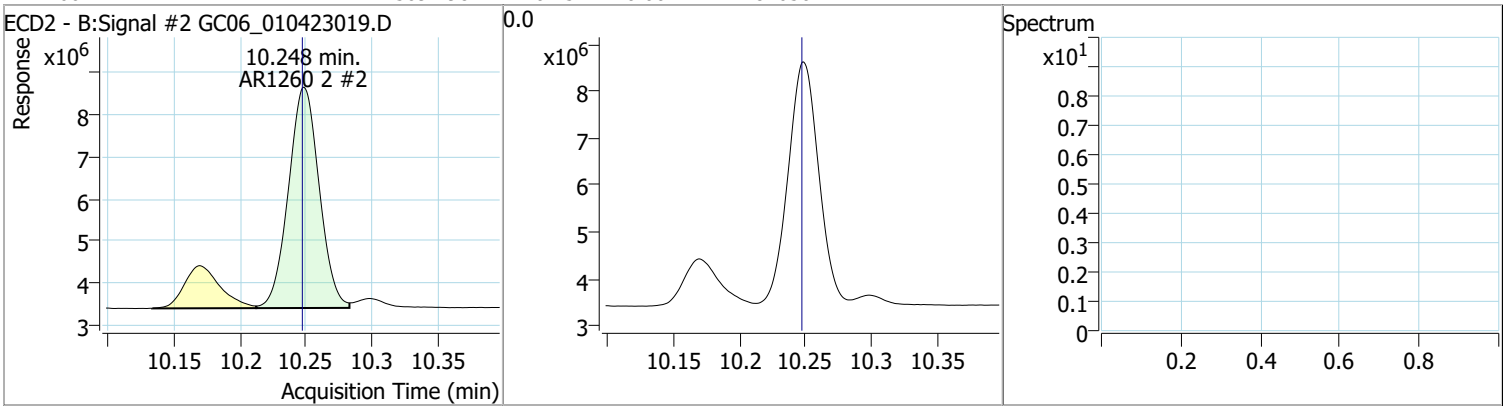




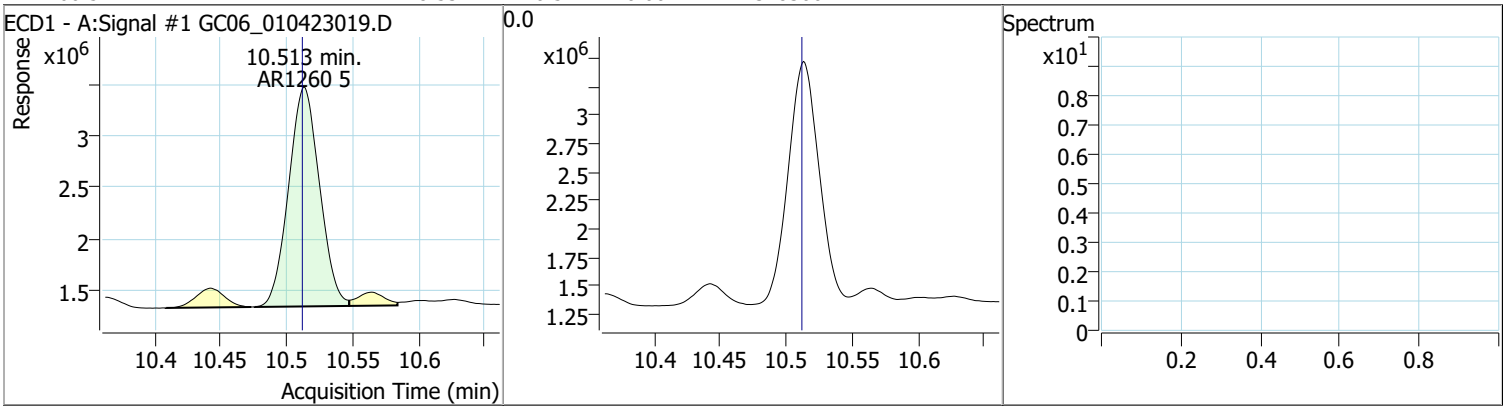
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	508.2416	10.14	0.00	1707023				



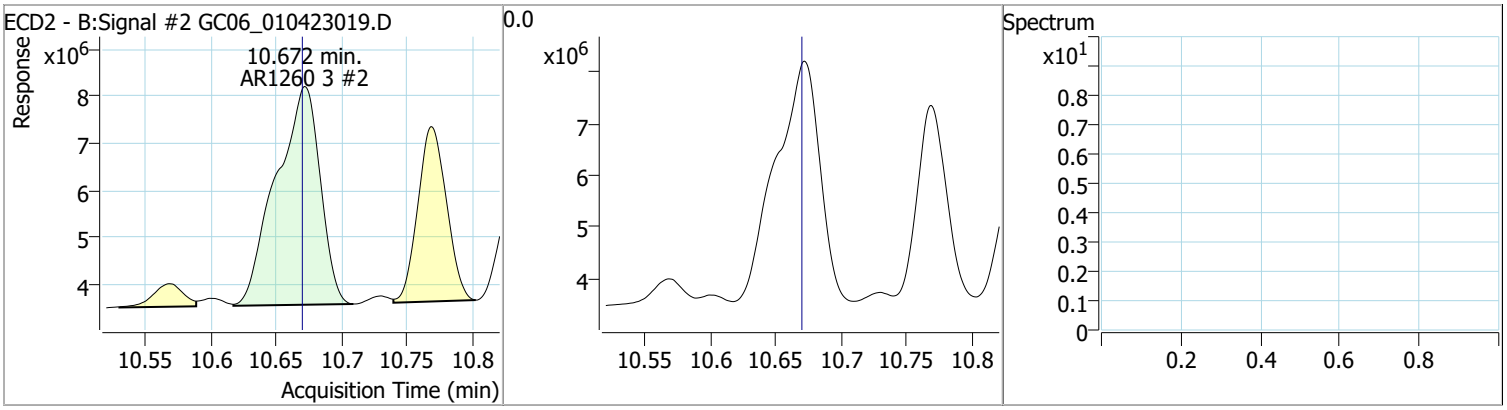
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	509.7982	10.25	0.00	8465011				



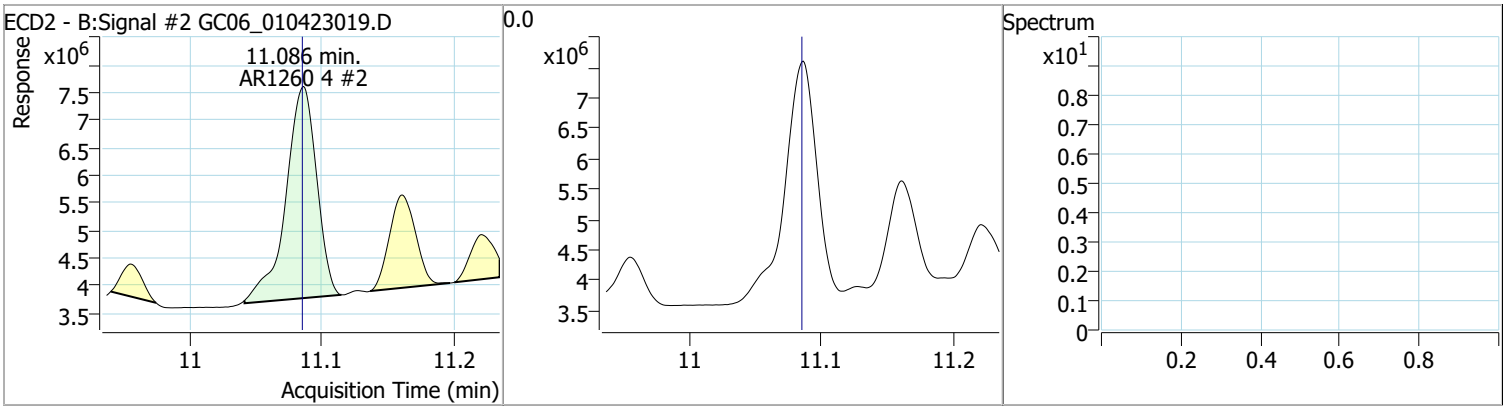
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.5377	10.51	0.00	3483004				



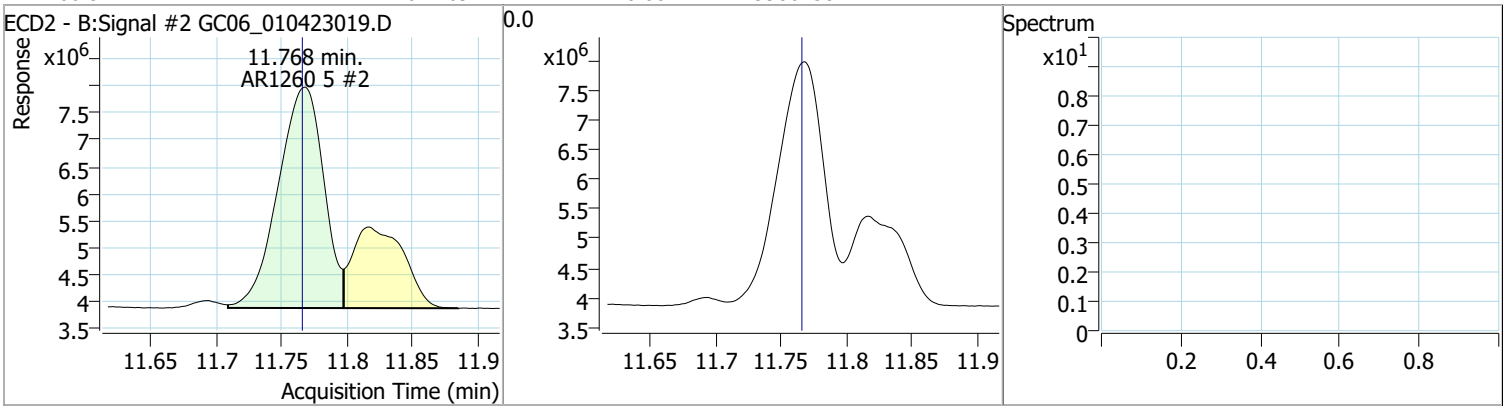
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	461.0207	10.67	0.00	10867873				



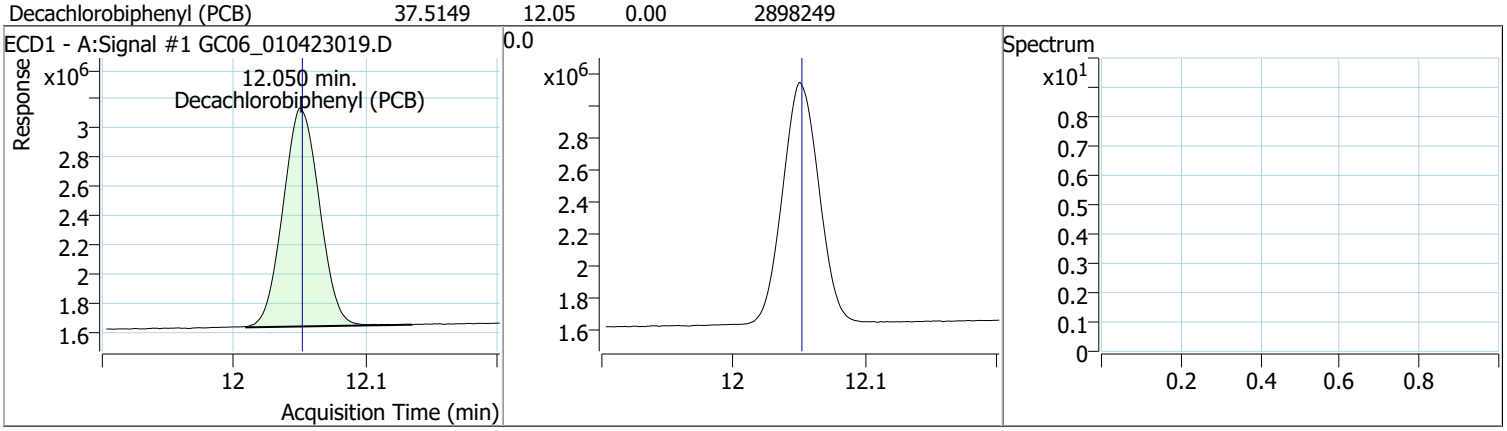
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	484.1055	11.09	0.00	6273599				



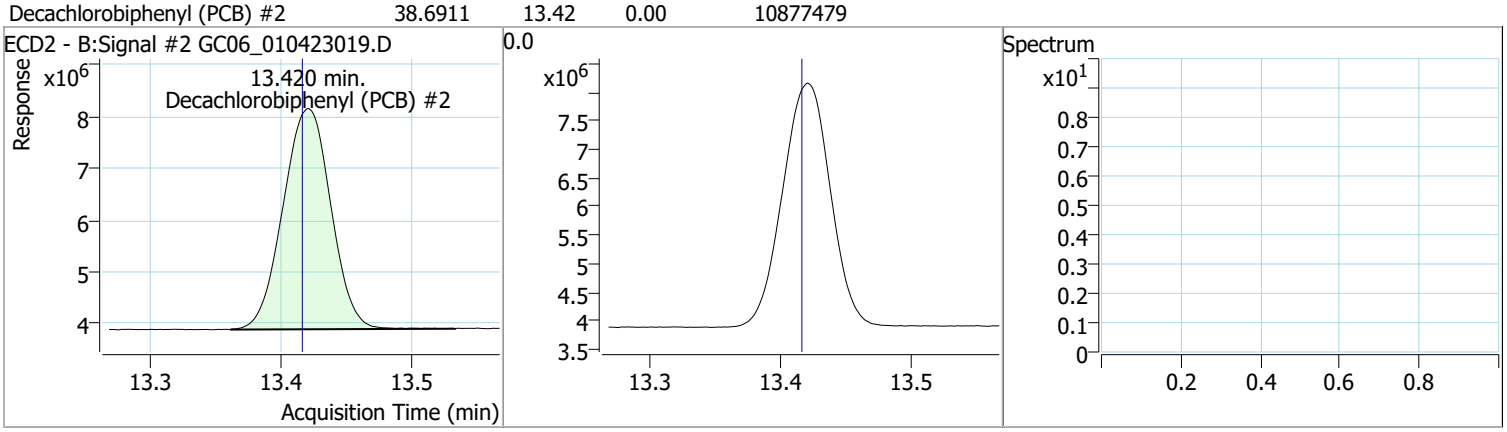
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	467.7694	11.77	0.00	9986258				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5149	12.05	0.00	2898249				

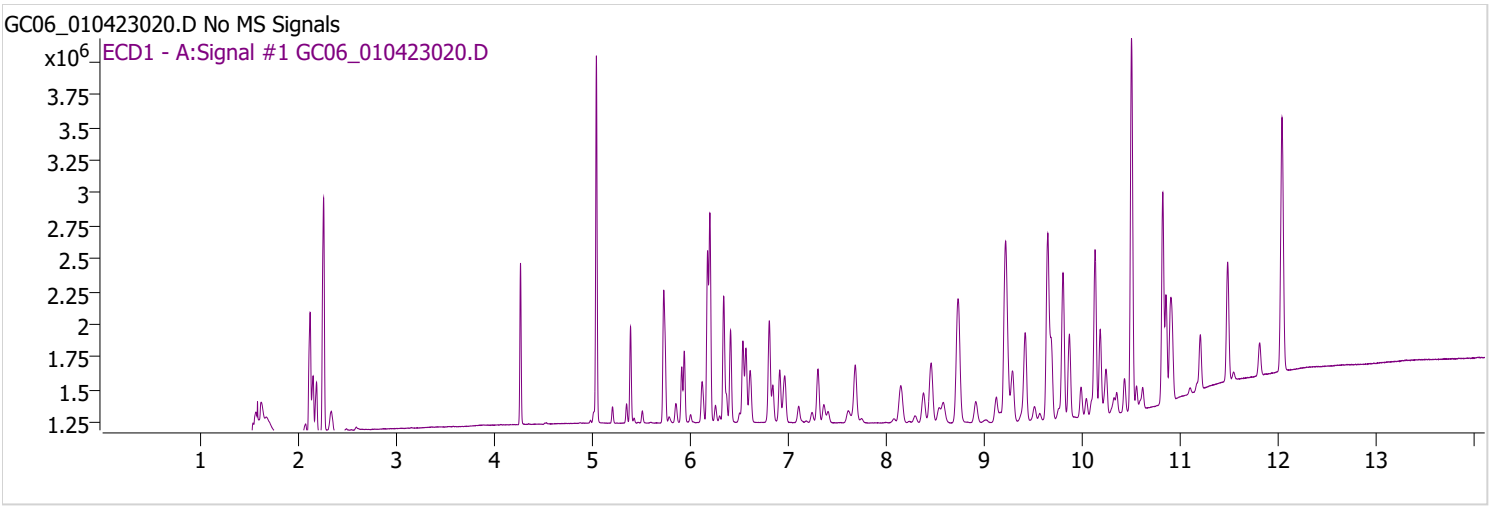


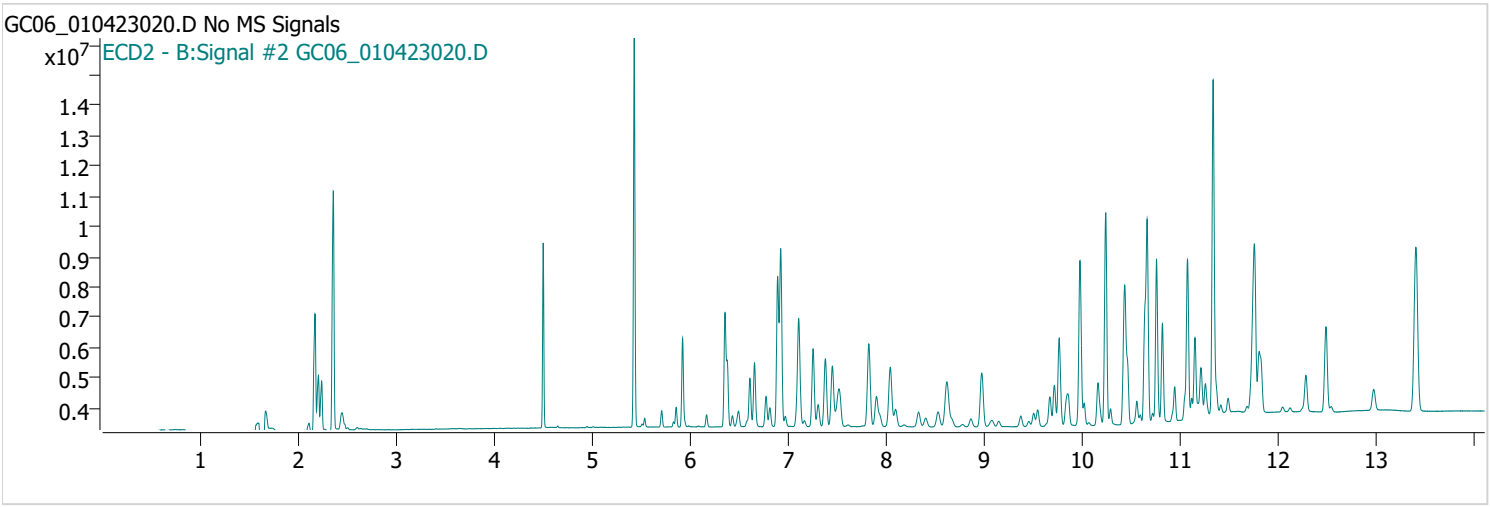
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.6911	13.42	0.00	10877479				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:21:19 PM
Sample Name	ICAL, S17802	Instrument	SVOA-GC06
Vial	27	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



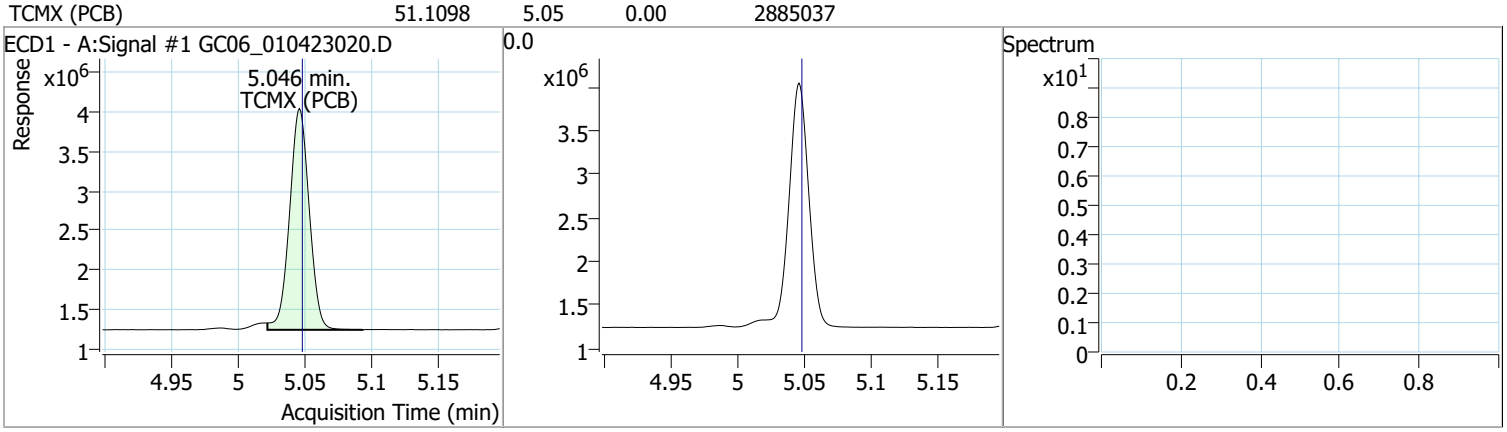


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.271	0.0	1139136.334	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.503	0.0	5294329.589	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	2885037.118	51.1098	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 255.55%		*	
S TCMX (PCB) #2	5.433	0.0	13456010.553	51.8417	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 259.21%		*	
S Decachlorobiphenyl (PCB)	12.051	0.0	3732054.563	47.0169	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.08%		*	
S Decachlorobiphenyl (PCB) #2	13.418	0.0	13826231.110	48.1085	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.54%		*	
Target Compounds							QValue

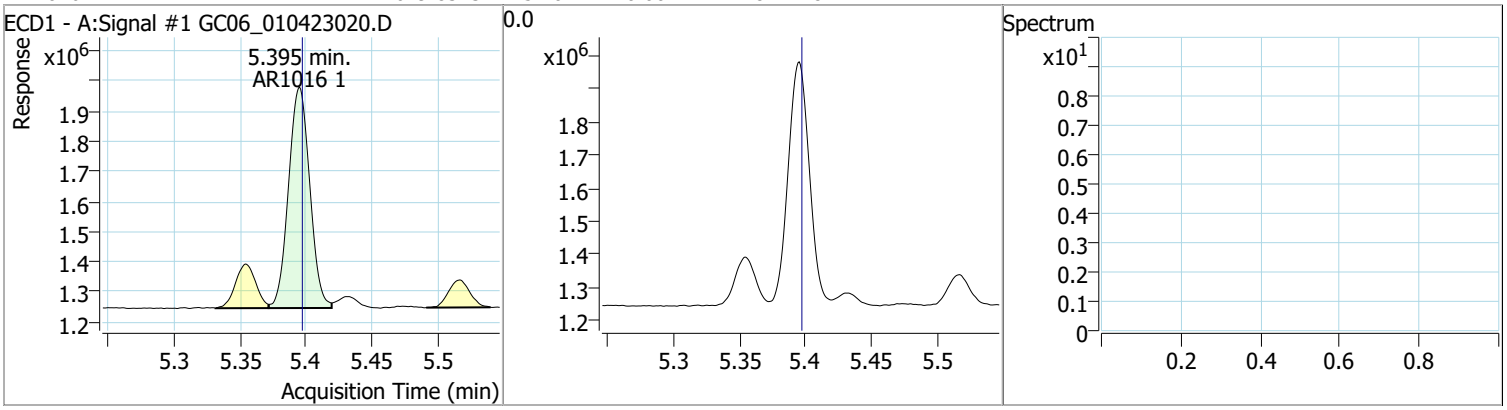
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.395	0.0	817728.411	629.8313	ng/ml		100
T AR1016 2	5.734	0.0	1716608.871	733.8581	ng/ml		100
T AR1016 1 #2	5.927	0.0	3701714.155	632.9615	ng/ml		100
T AR1016 3	6.205	0.0	2171380.272	667.9542	ng/ml		100
T AR1016 4	6.347	0.0	1351205.824	651.6422	ng/ml	m	100
T AR1016 2 #2	6.360	0.0	5581216.036	661.7853	ng/ml	m	100
T AR1016 5	6.543	0.0	924502.449	679.0706	ng/ml		100
T AR1016 3 #2	6.929	0.0	9532234.137	641.9837	ng/ml		100
T AR1016 4 #2	7.113	0.0	7081495.436	653.5633	ng/ml		100
T AR1016 5 #2	7.829	0.0	5705739.695	656.9673	ng/ml		100
T AR1260 1	8.741	0.0	2538932.440	602.0658	ng/ml		100
T AR1260 2	9.228	0.0	3662753.692	623.2438	ng/ml		100
T AR1260 3	9.658	0.0	3973468.150	606.2258	ng/ml		100
T AR1260 1 #2	9.987	0.0	9703380.042	587.5768	ng/ml		100
T AR1260 4	10.141	0.0	2339693.693	677.9976	ng/ml		100
T AR1260 2 #2	10.250	0.0	11507400.400	698.5178	ng/ml		100
T AR1260 5	10.513	0.0	4710304.192	629.8677	ng/ml		100
T AR1260 3 #2	10.673	0.0	15177203.232	629.8002	ng/ml		100
T AR1260 4 #2	11.085	0.0	8552396.276	645.5743	ng/ml		100
T AR1260 5 #2	11.768	0.0	13983843.634	640.7532	ng/ml		100

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

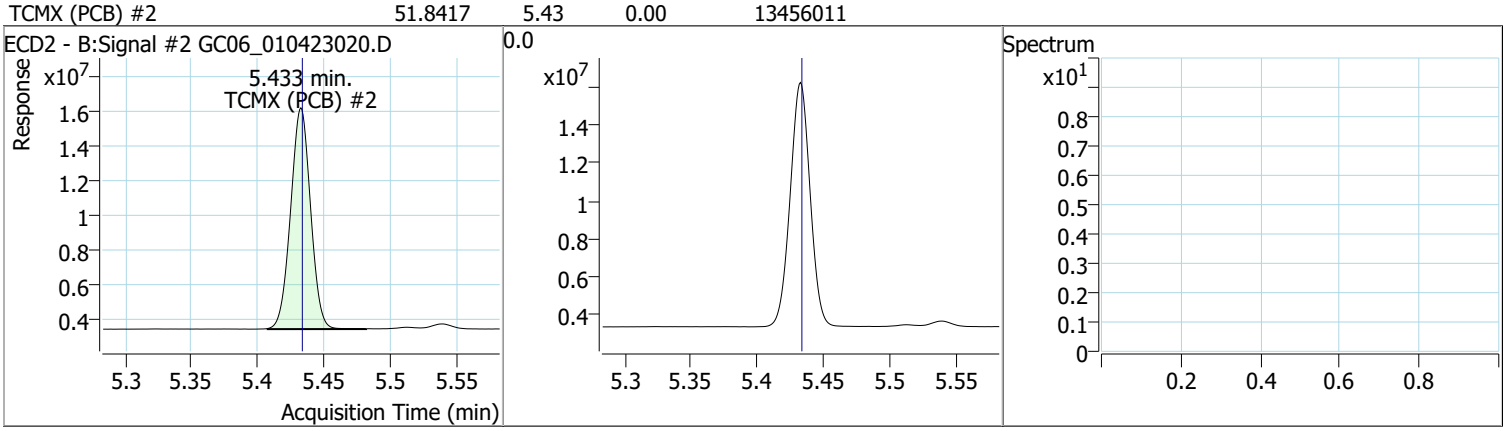
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.1098	5.05	0.00	2885037				



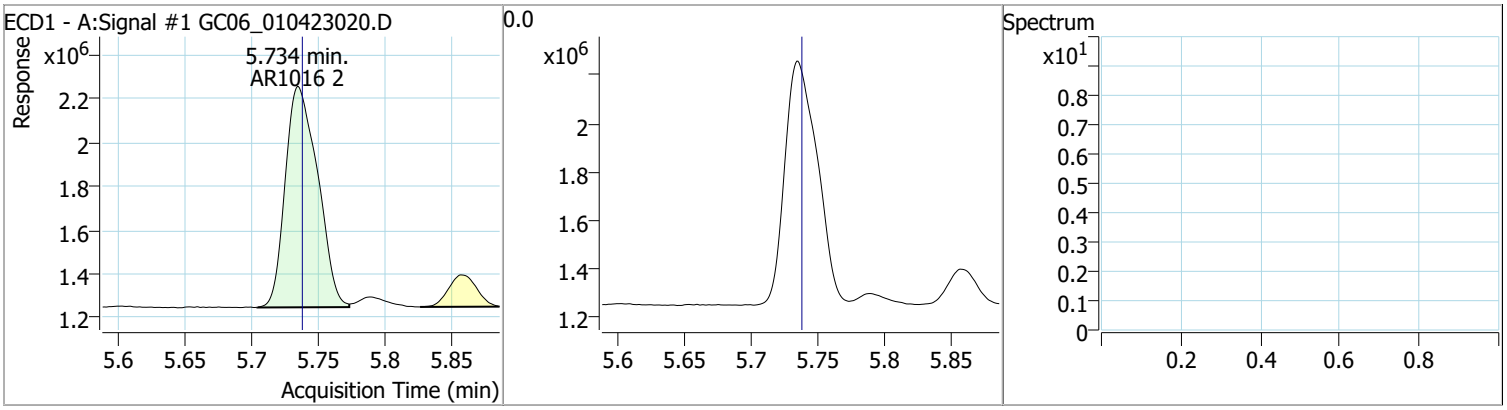
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	629.8313	5.40	0.00	817728				



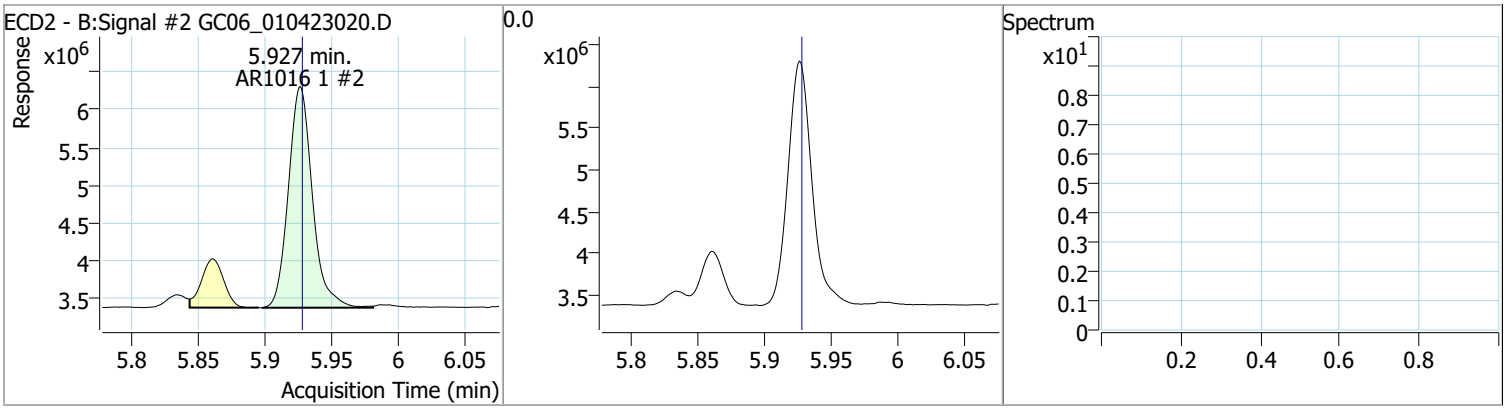
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	51.8417	5.43	0.00	13456011				



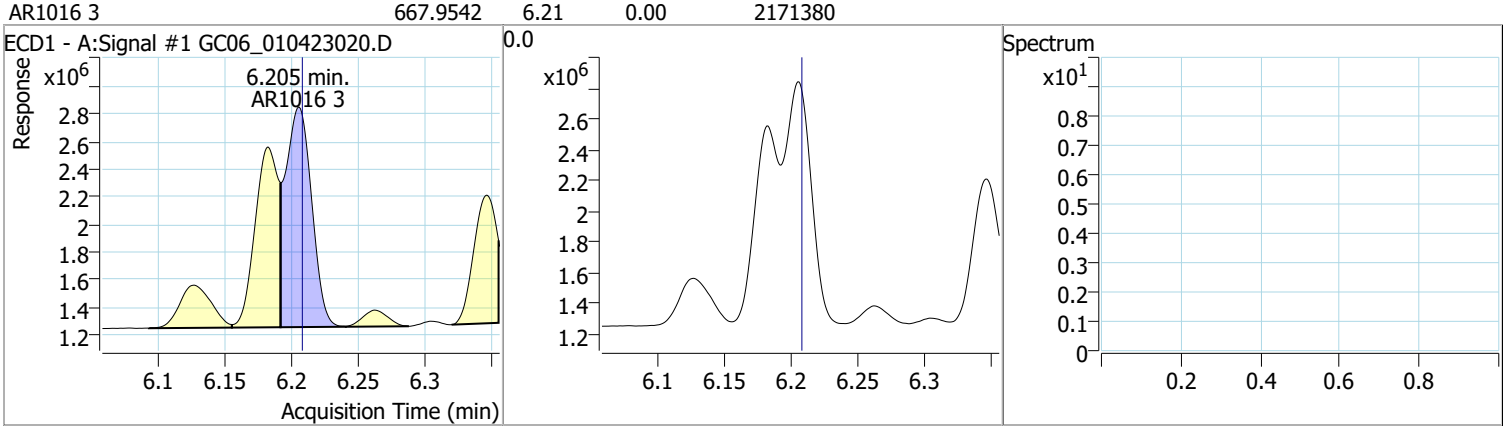
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	733.8581	5.73	0.00	1716609				



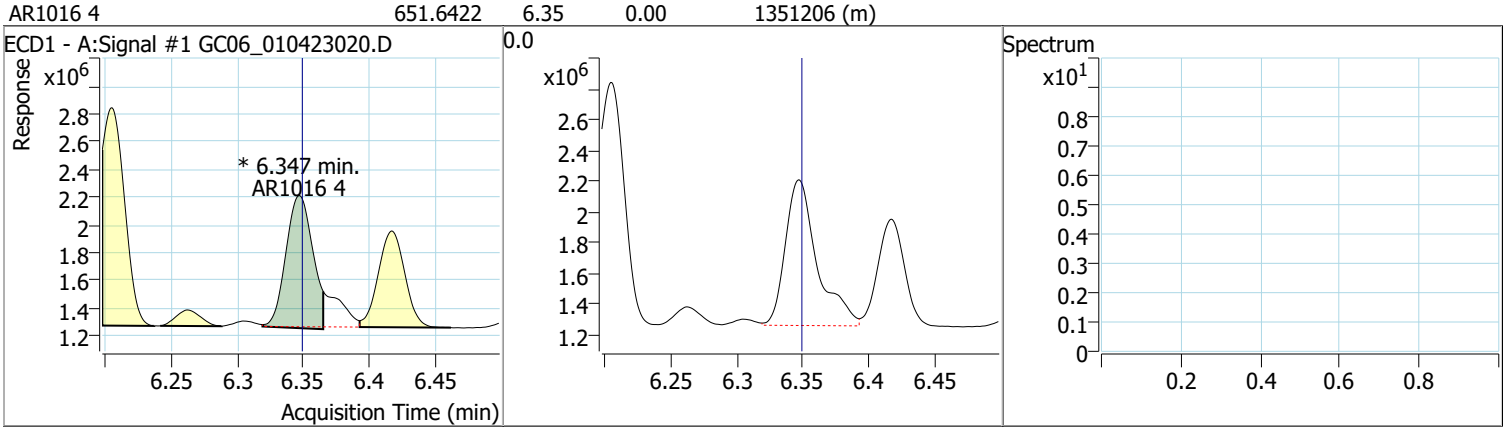
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	632.9615	5.93	0.00	3701714				



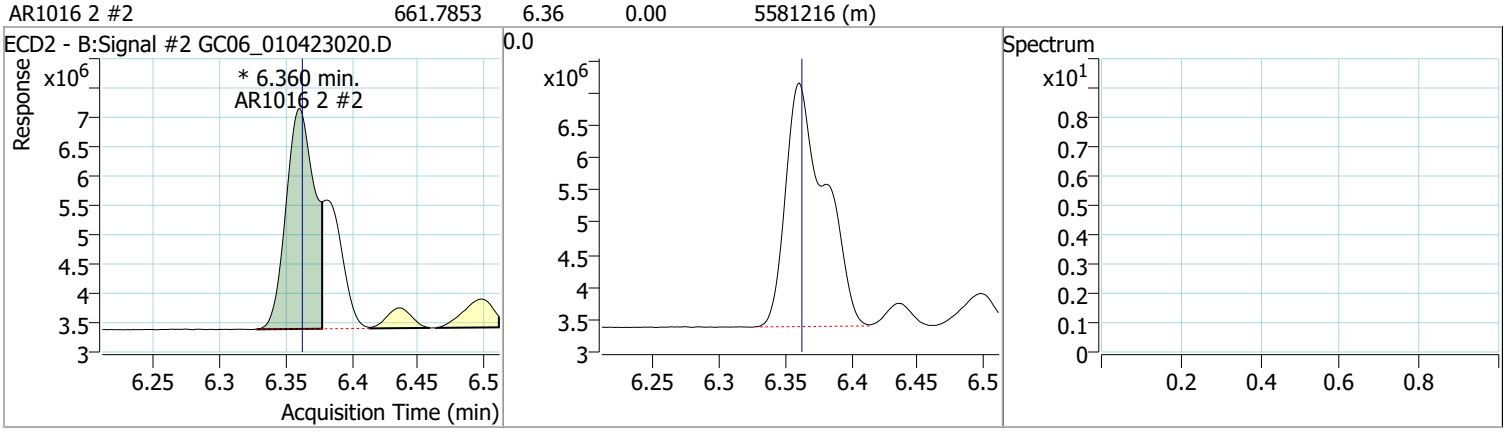
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	667.9542	6.21	0.00	2171380				



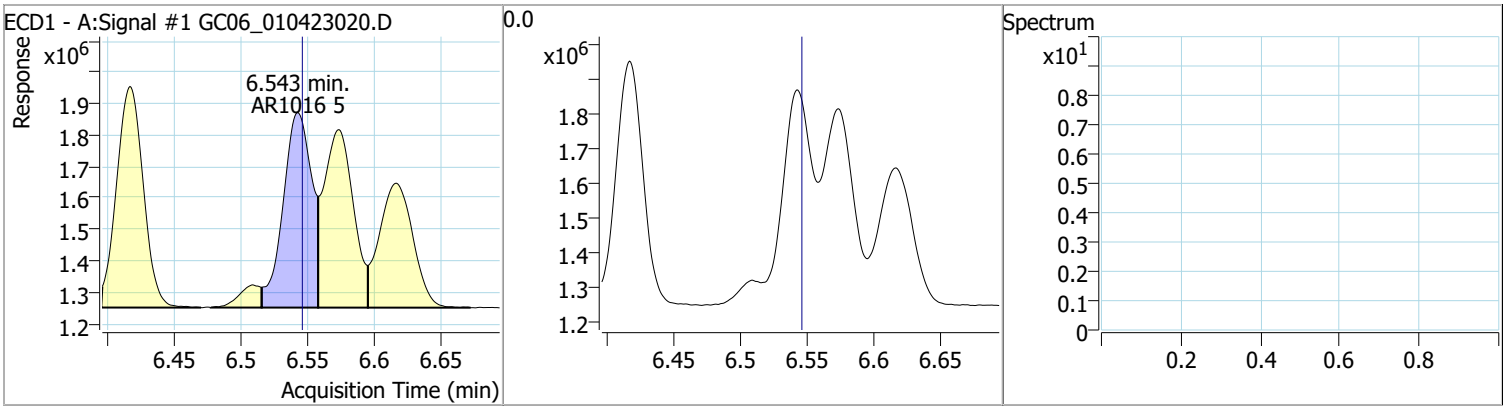
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	651.6422	6.35	0.00	1351206 (m)				



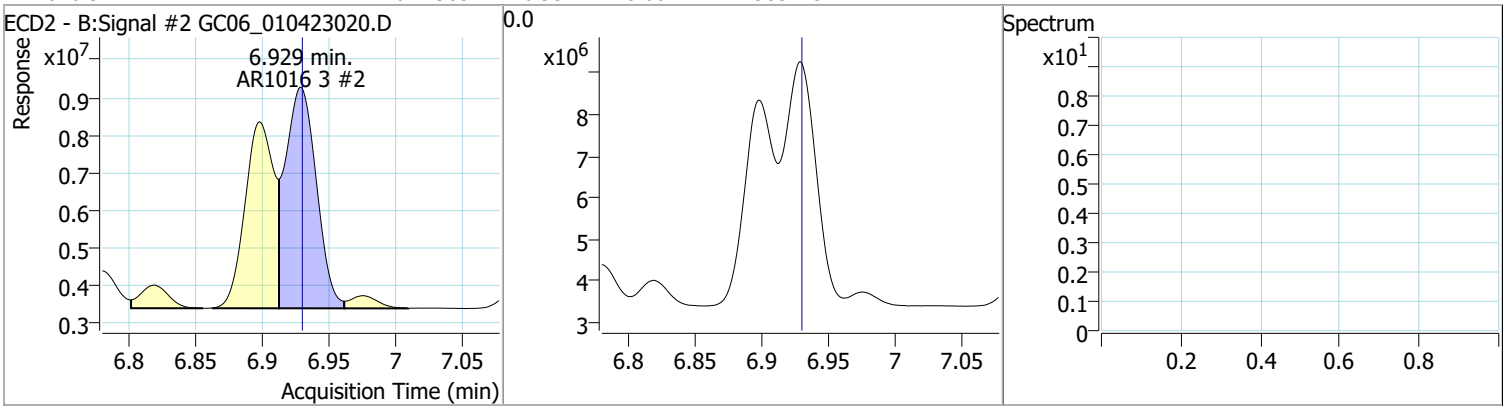
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	661.7853	6.36	0.00	5581216 (m)				



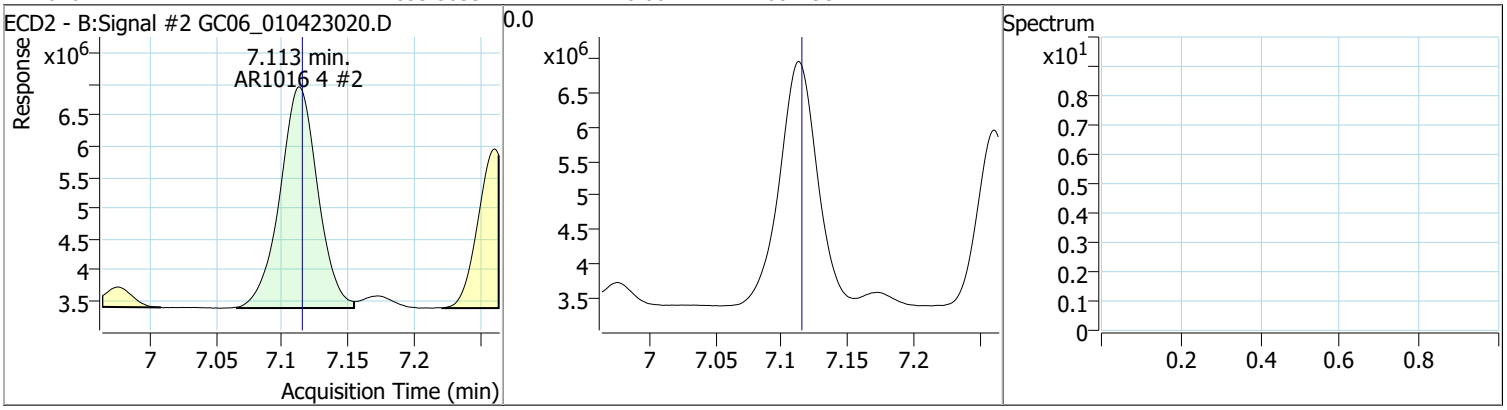
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	679.0706	6.54	0.00	924502				



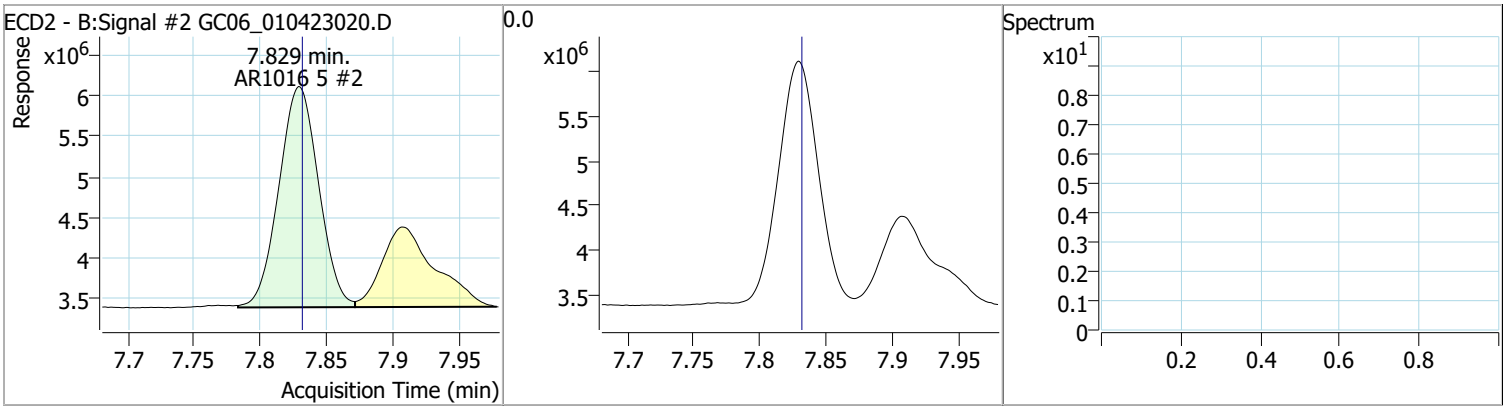
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	641.9837	6.93	0.00	9532234				



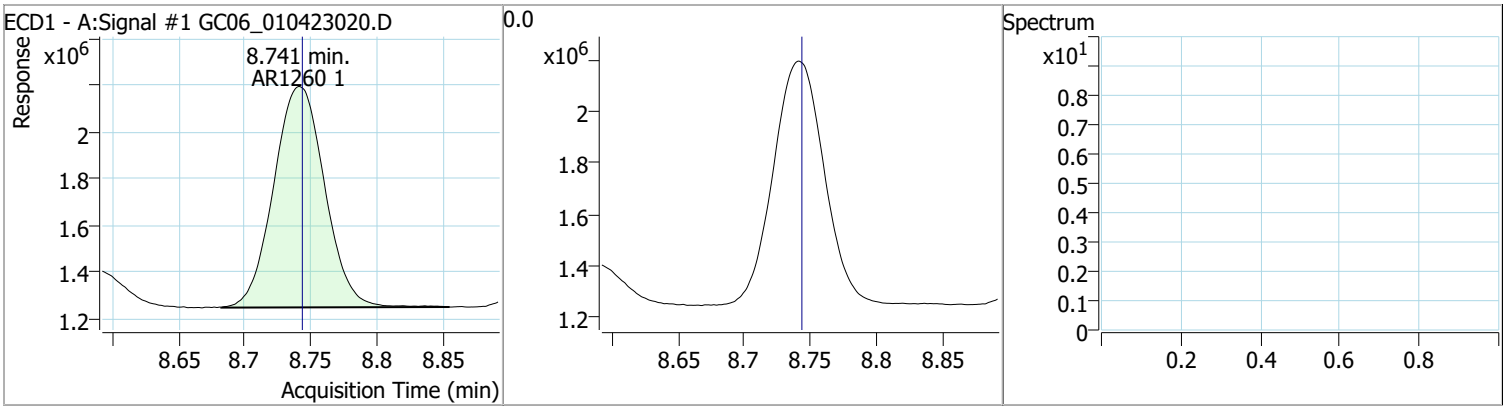
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	653.5633	7.11	0.00	7081495				



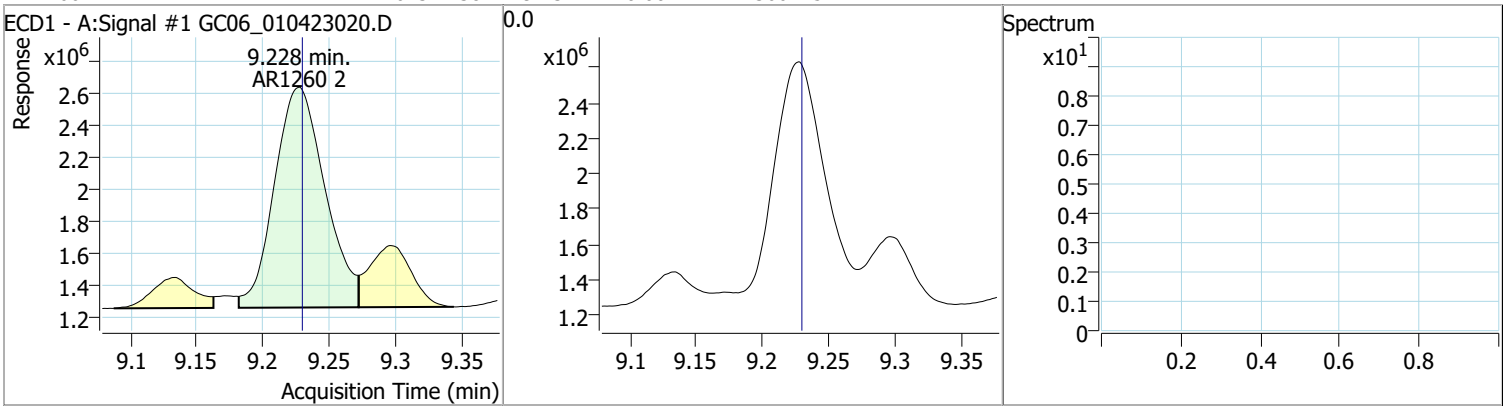
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	656.9673	7.83	0.00	5705740				



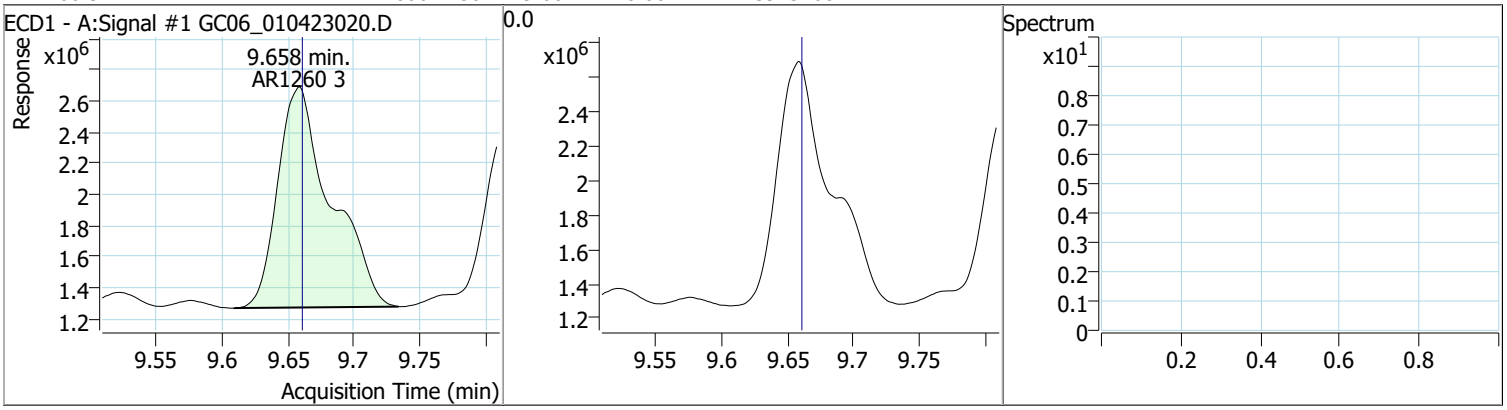
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	602.0658	8.74	0.00	2538932				



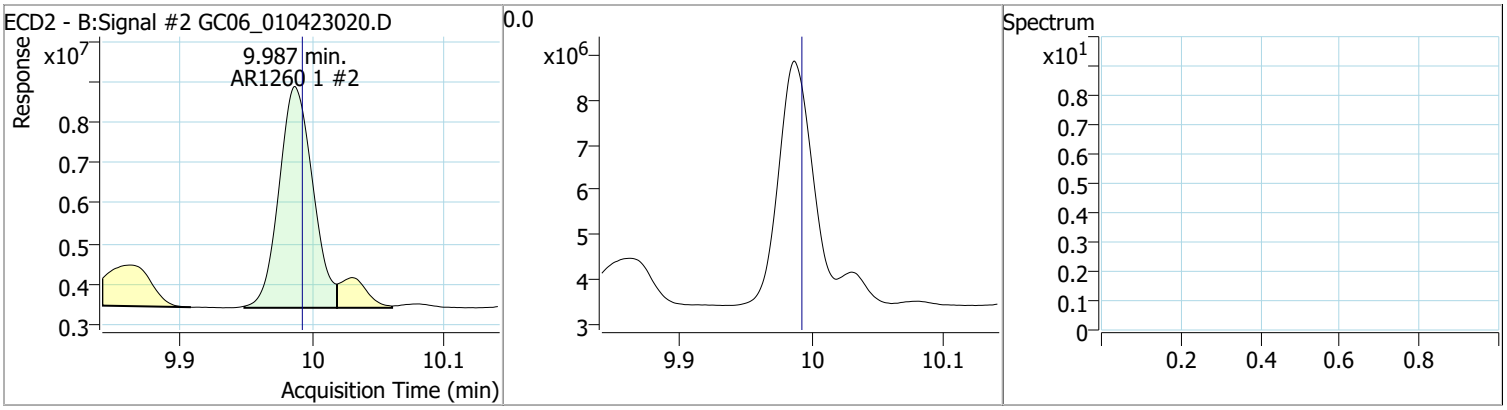
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	623.2438	9.23	0.00	3662754				



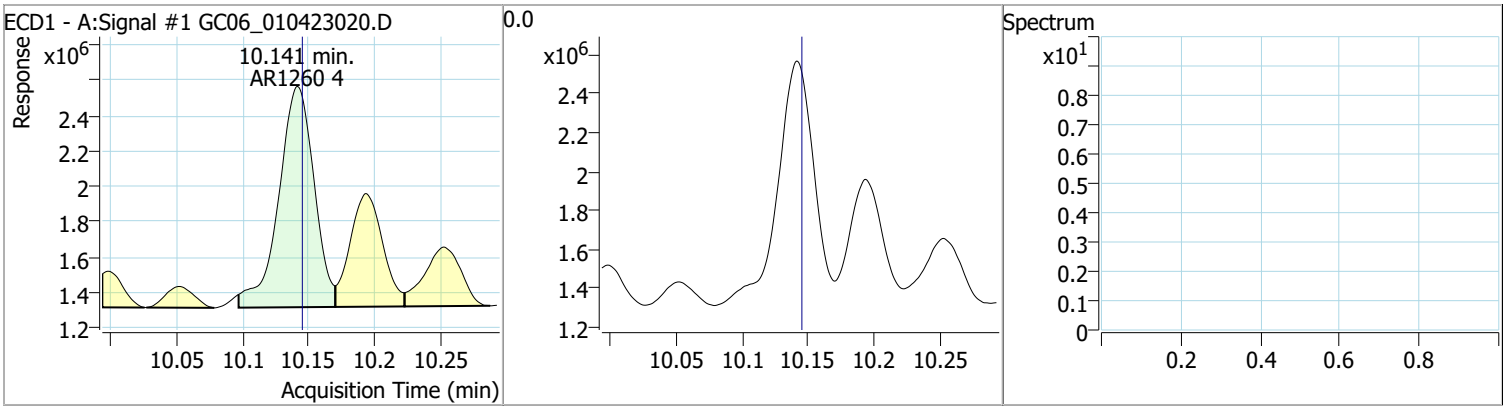
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	606.2258	9.66	0.00	3973468				



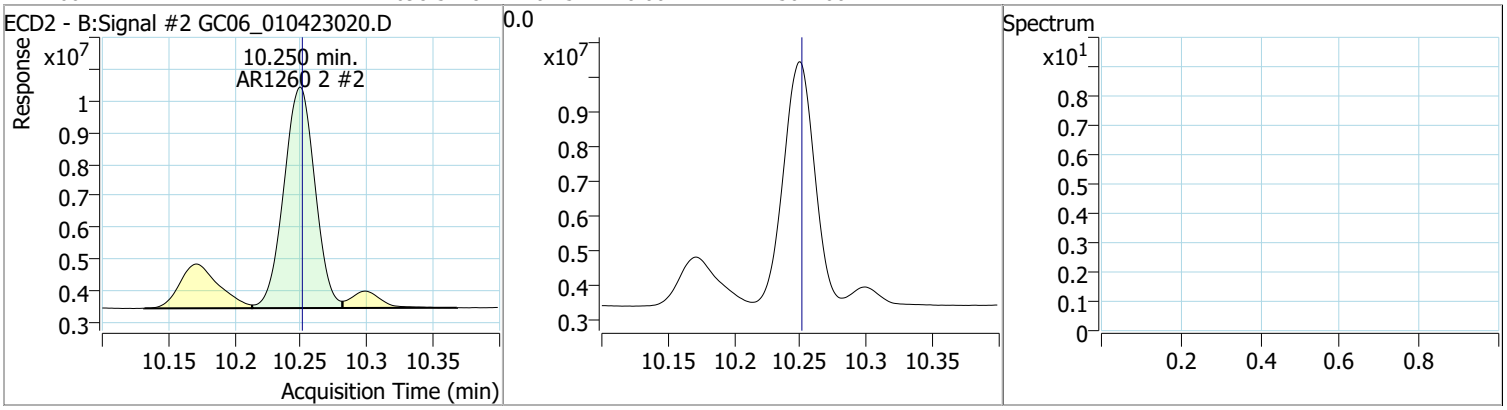
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	587.5768	9.99	0.00	9703380				



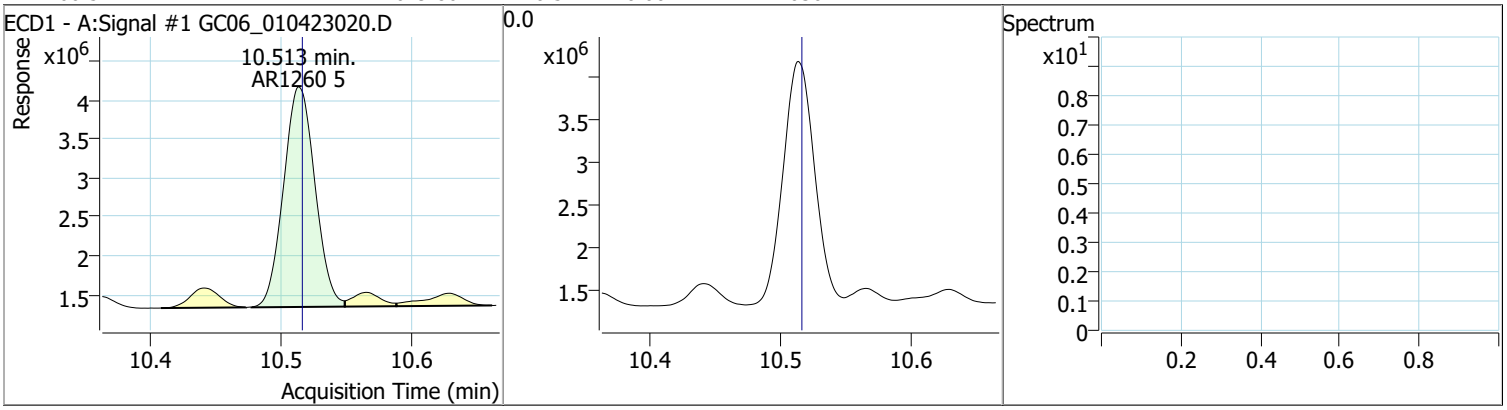
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	677.9976	10.14	0.00	2339694				



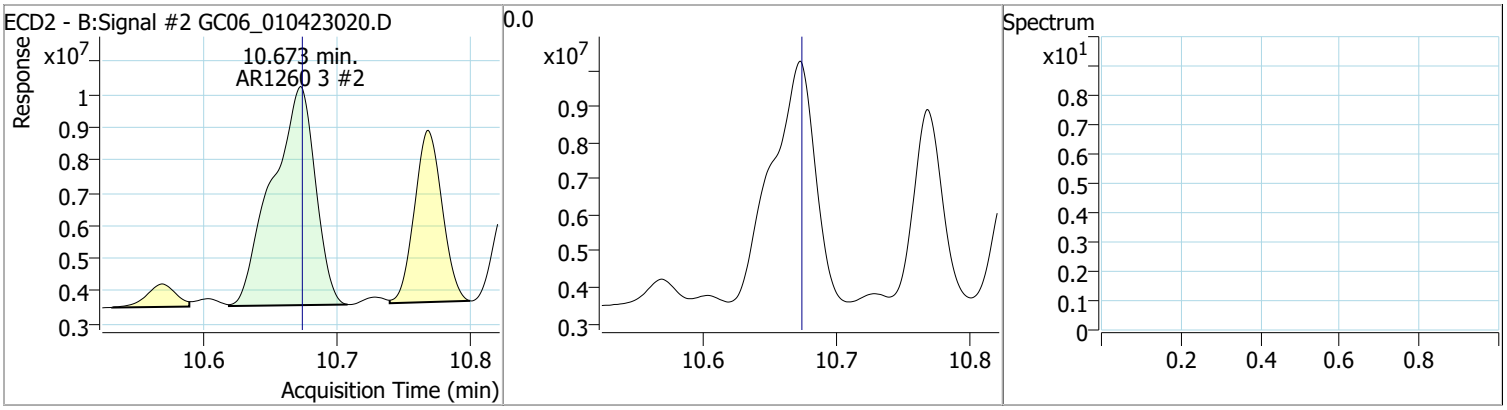
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	698.5178	10.25	0.00	11507400				



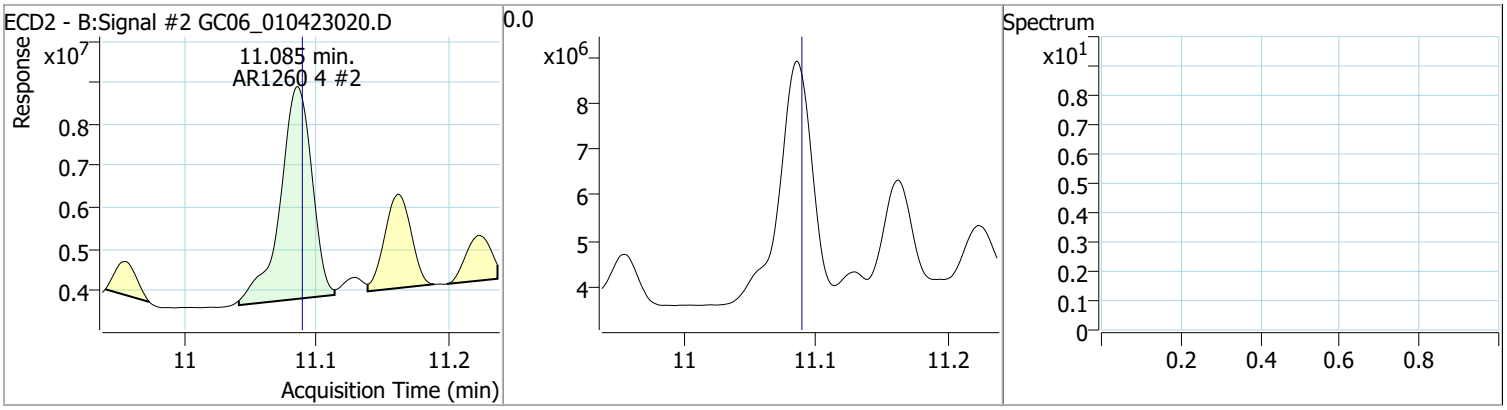
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	629.8677	10.51	0.00	4710304				



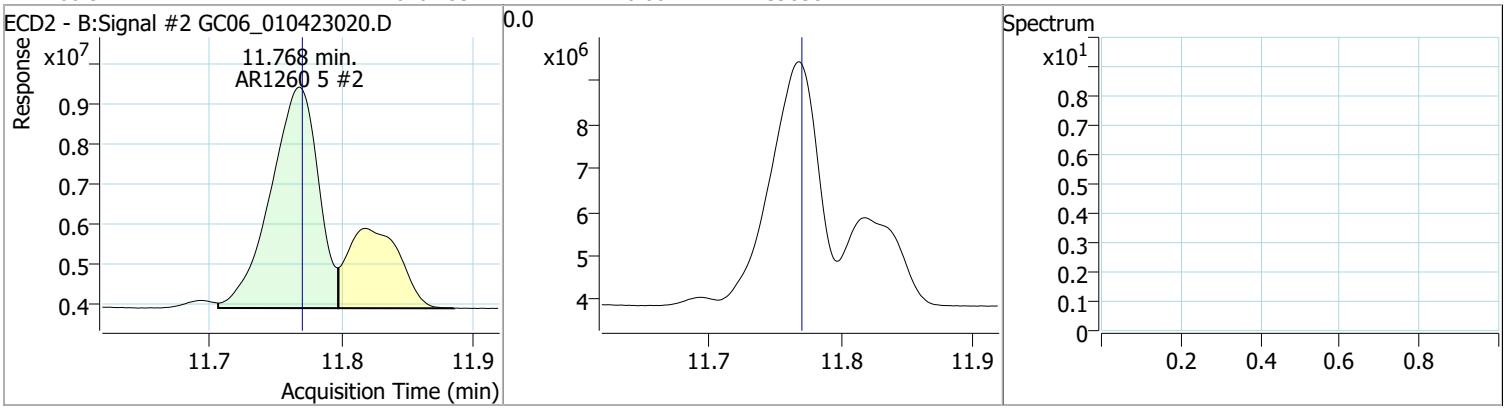
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	629.8002	10.67	0.00	15177203				



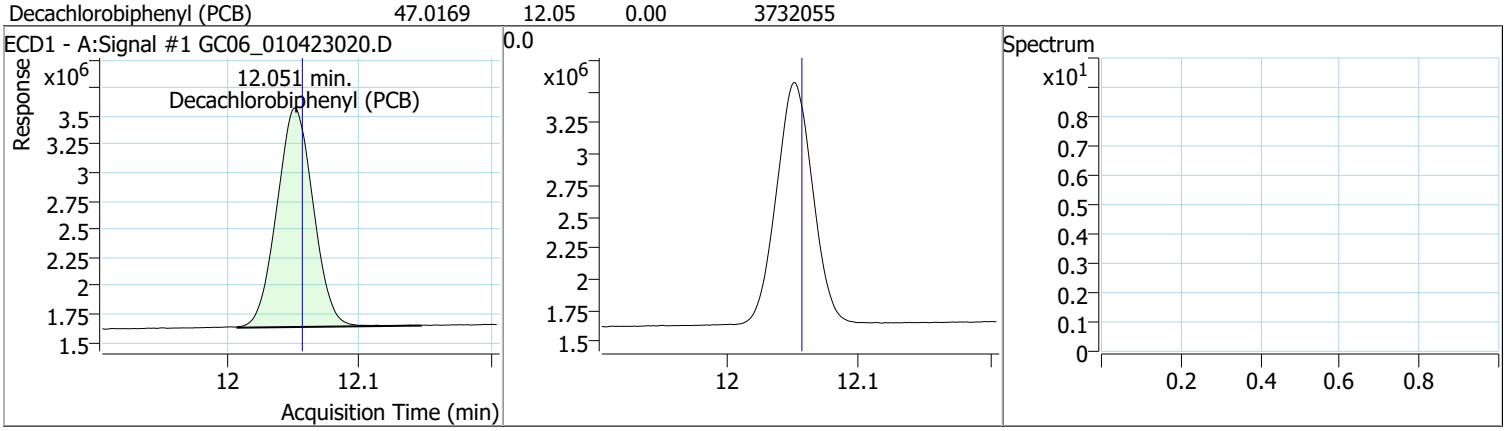
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	645.5743	11.09	0.00	8552396				



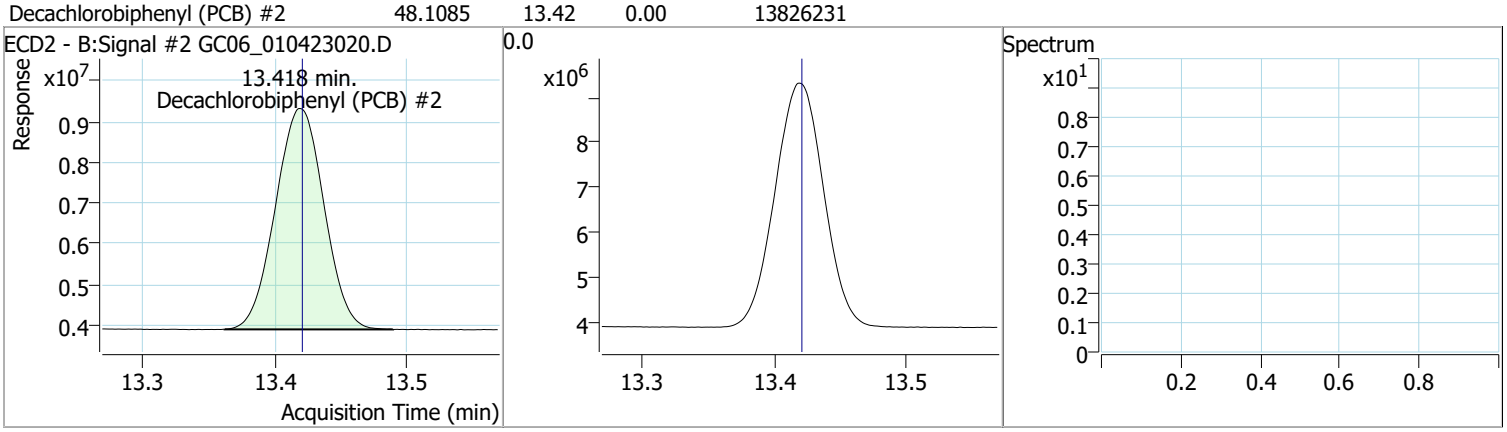
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	640.7532	11.77	0.00	13983844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.0169	12.05	0.00	3732055				

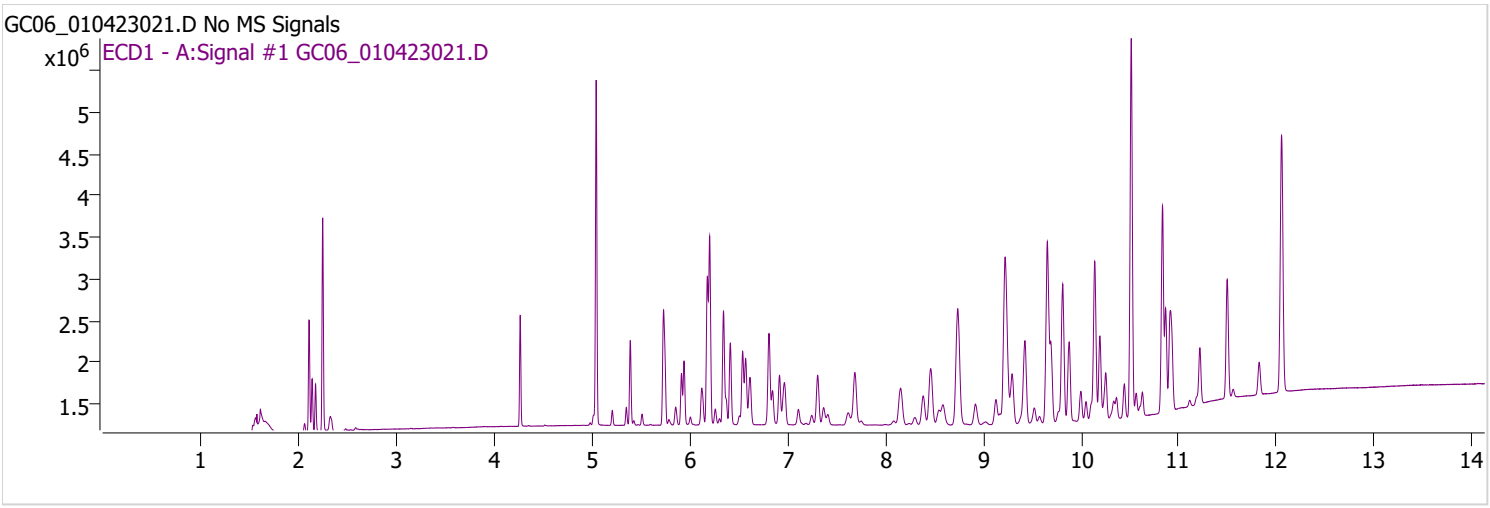


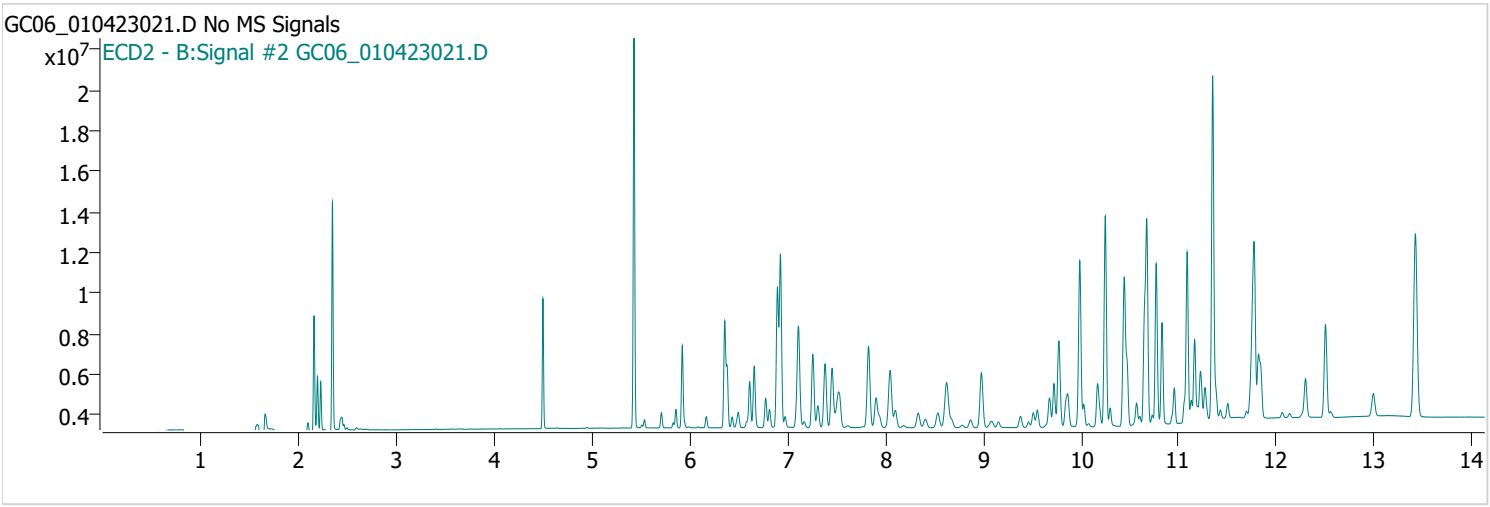
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.1085	13.42	0.00	13826231				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:39:41 PM
Sample Name	ICAL, S17803	Instrument	SVOA-GC06
Vial	28	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



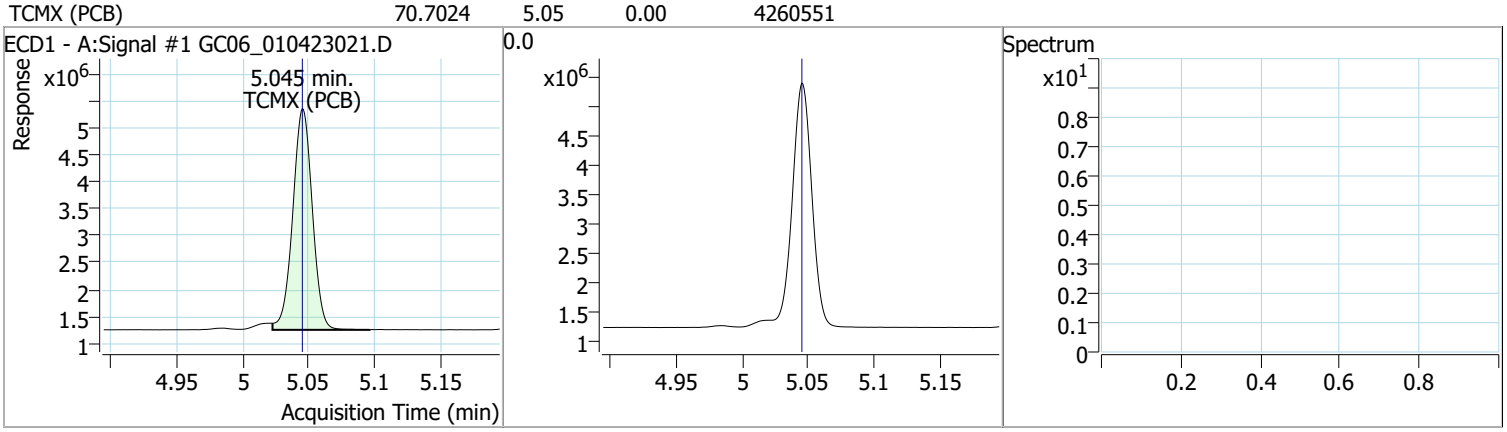


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.268	0.0	1216073.263	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.501	0.0	5630657.341	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	4260551.390	70.7024	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 353.51%		*	
S TCMX (PCB) #2	5.432	0.0	20029958.048	72.5596	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 362.80%		*	
S Decachlorobiphenyl (PCB)	12.050	0.0	5940391.807	70.1031	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.52%		*	
S Decachlorobiphenyl (PCB) #2	13.417	0.0	22195108.160	72.6152	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.08%		*	
Target Compounds							QValue

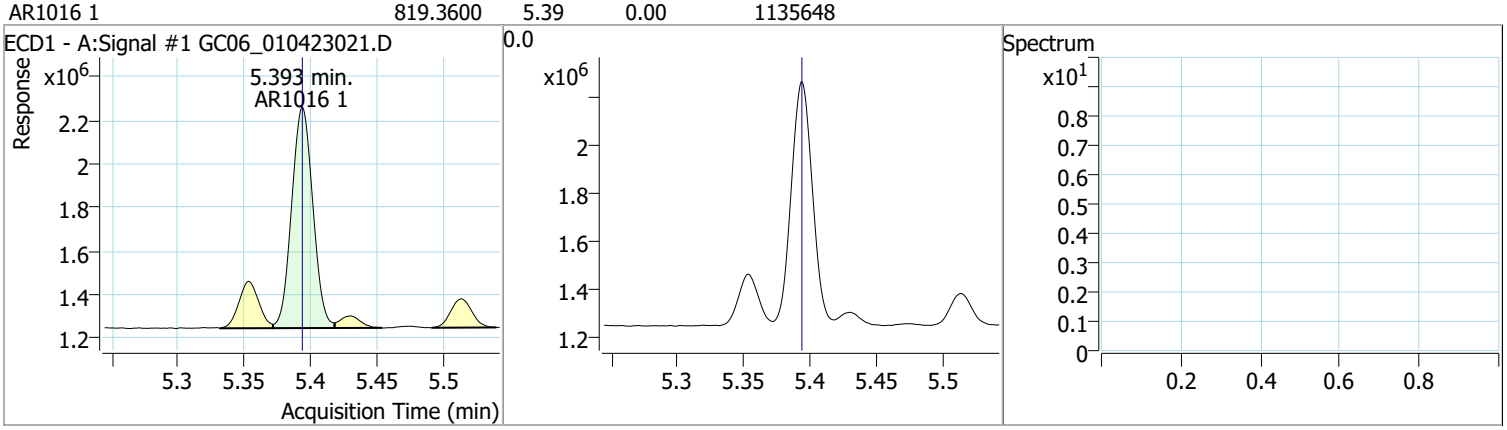
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.393	0.0	1135647.867	819.3600	ng/ml		100
T AR1016 2	5.734	0.0	2386042.458	992.9268	ng/ml		100
T AR1016 1 #2	5.925	0.0	5134646.656	825.5376	ng/ml		100
T AR1016 3	6.205	0.0	3025370.641	871.7768	ng/ml		100
T AR1016 4	6.347	0.0	1894807.993	855.9904	ng/ml	m	100
T AR1016 2 #2	6.359	0.0	7603646.500	847.7389	ng/ml	m	100
T AR1016 5	6.543	0.0	1306289.522	898.7984	ng/ml		100
T AR1016 3 #2	6.928	0.0	13682720.123	866.4702	ng/ml		100
T AR1016 4 #2	7.112	0.0	10142494.088	880.1553	ng/ml		100
T AR1016 5 #2	7.828	0.0	8231114.773	891.1326	ng/ml		100
T AR1260 1	8.740	0.0	3733938.704	829.4228	ng/ml		100
T AR1260 2	9.225	0.0	5435798.485	866.4222	ng/ml		100
T AR1260 3	9.656	0.0	5997829.642	857.1854	ng/ml		100
T AR1260 1 #2	9.988	0.0	14377088.290	818.5862	ng/ml		100
T AR1260 4	10.141	0.0	3578497.875	971.3727	ng/ml		100
T AR1260 2 #2	10.248	0.0	17224269.573	1030.9030	ng/ml		100
T AR1260 5	10.513	0.0	7276533.711	911.4668	ng/ml		100
T AR1260 3 #2	10.672	0.0	23260782.528	907.5848	ng/ml		100
T AR1260 4 #2	11.085	0.0	13190411.018	936.2000	ng/ml		100
T AR1260 5 #2	11.768	0.0	21866262.437	942.0862	ng/ml		100

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

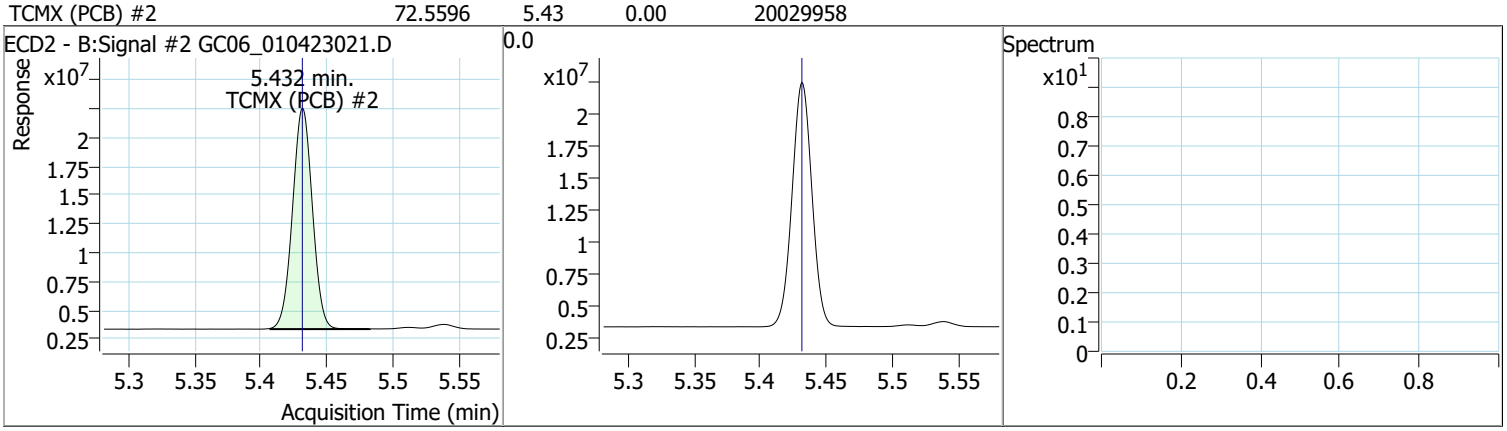
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	70.7024	5.05	0.00	4260551				



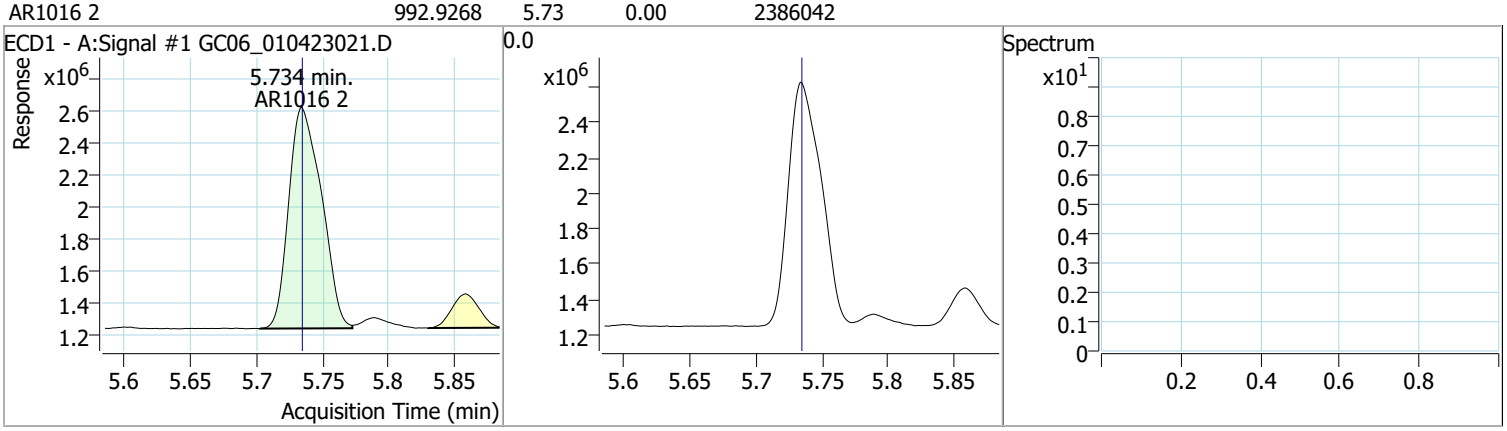
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	819.3600	5.39	0.00	1135648				



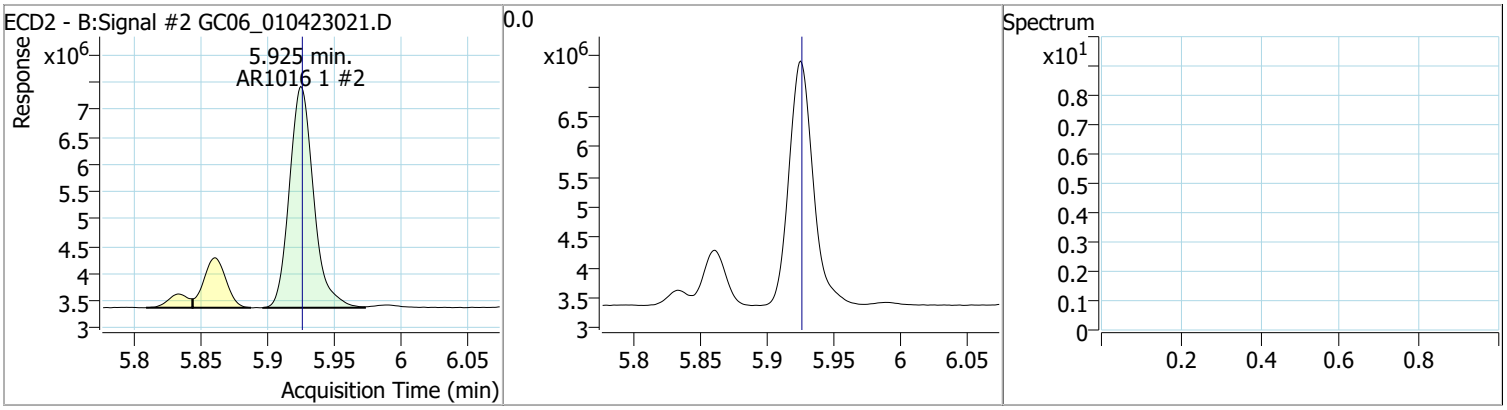
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	72.5596	5.43	0.00	20029958				



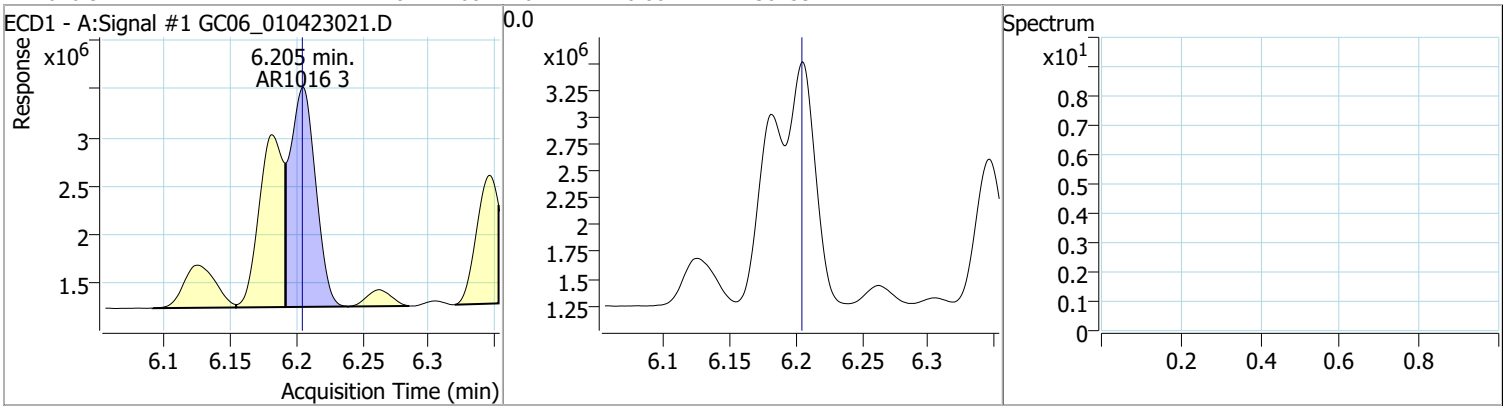
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	992.9268	5.73	0.00	2386042				



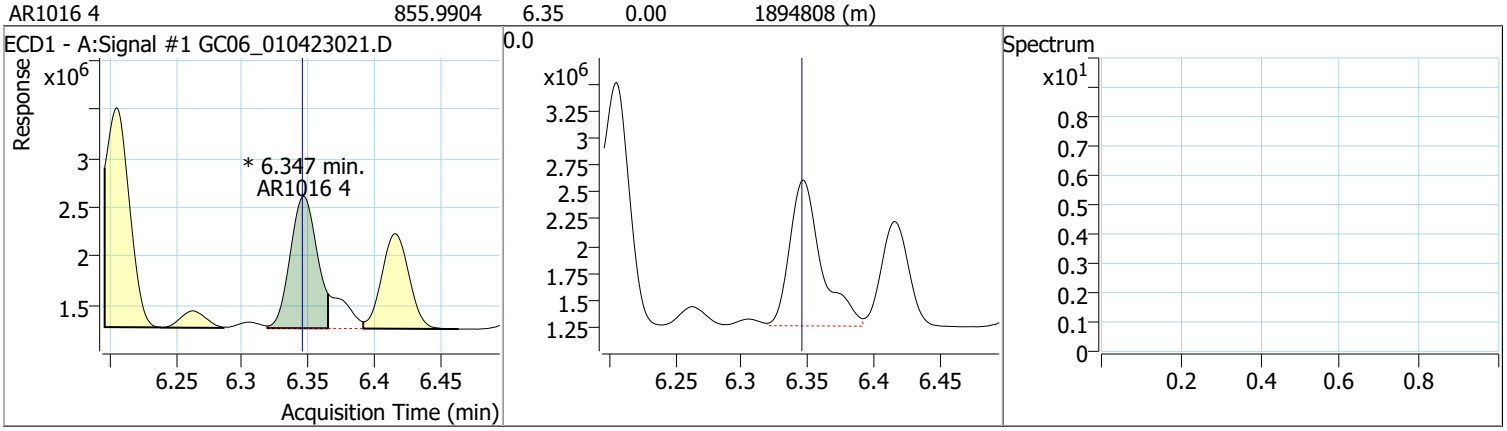
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	825.5376	5.93	0.00	5134647				



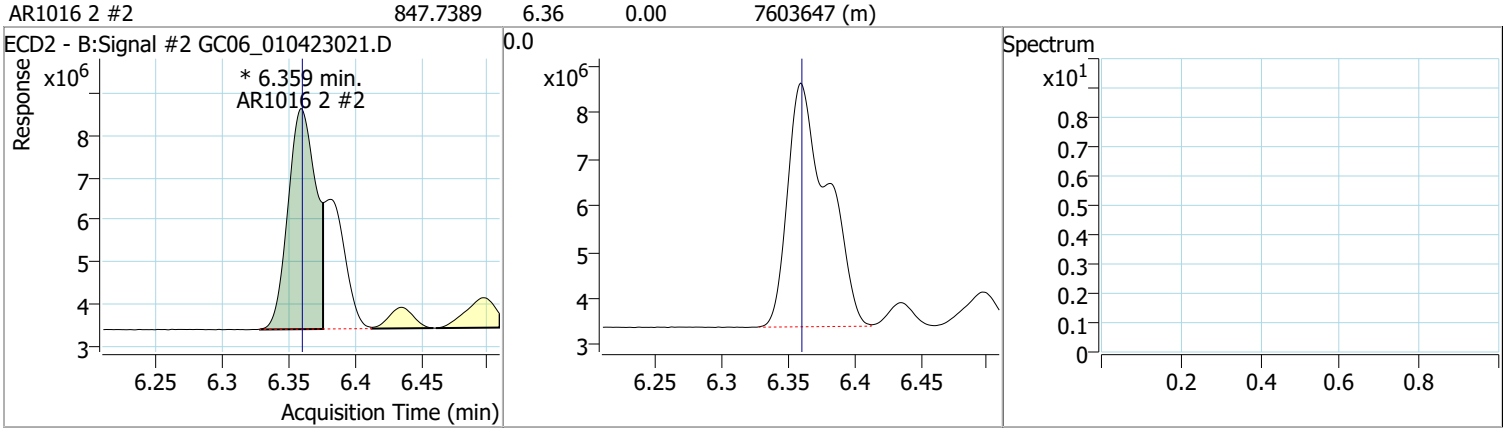
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	871.7768	6.21	0.00	3025371				



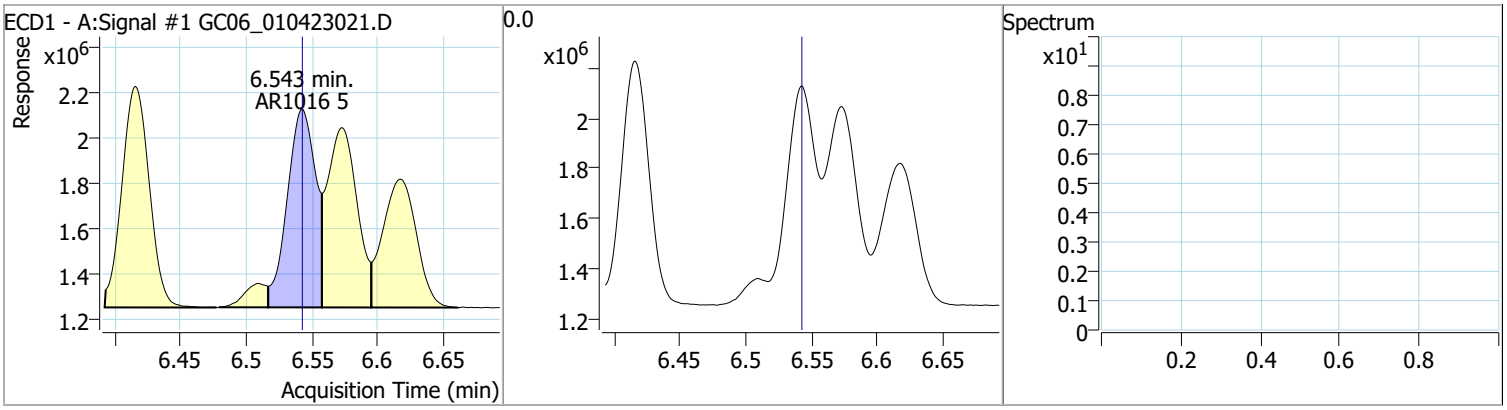
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	855.9904	6.35	0.00	1894808 (m)				



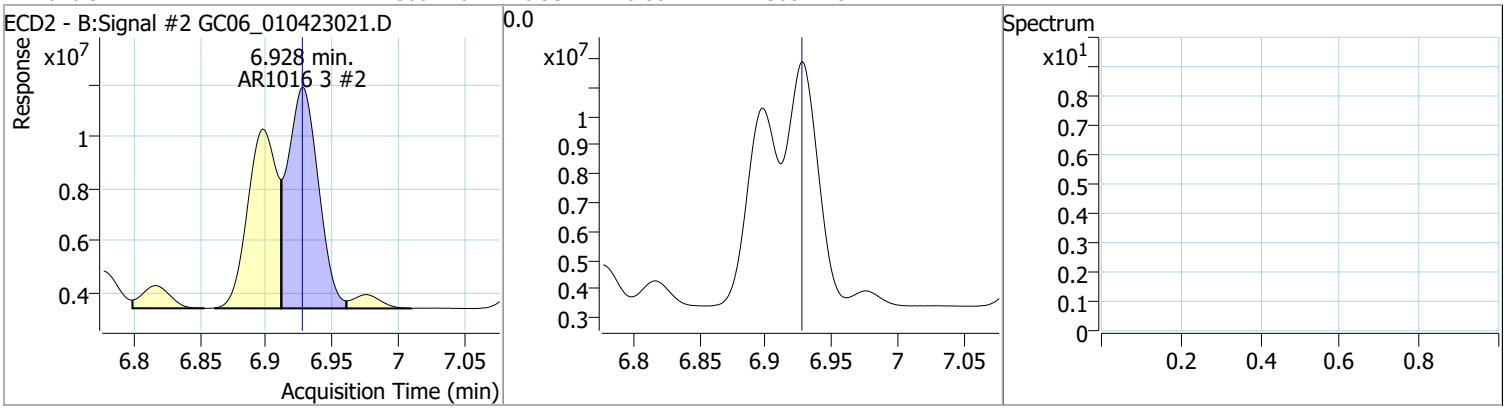
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	847.7389	6.36	0.00	7603647 (m)				



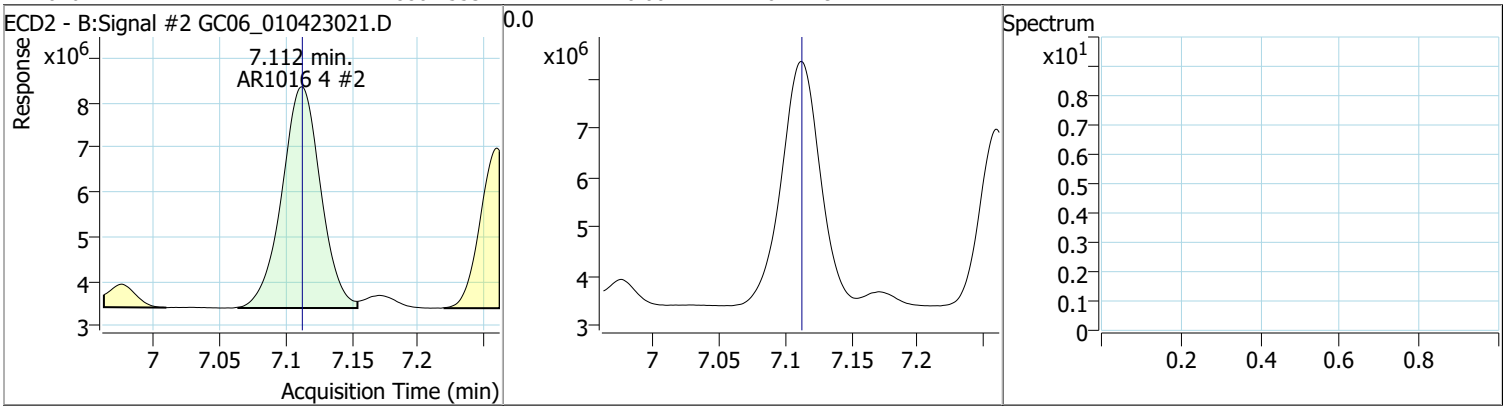
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	898.7984	6.54	0.00	1306290				



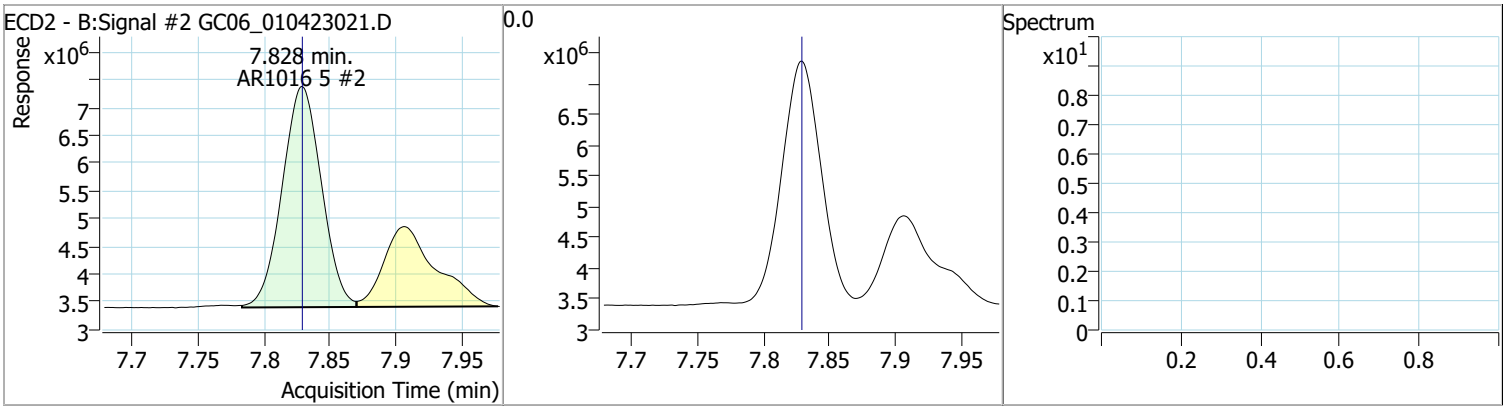
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	866.4702	6.93	0.00	13682720				



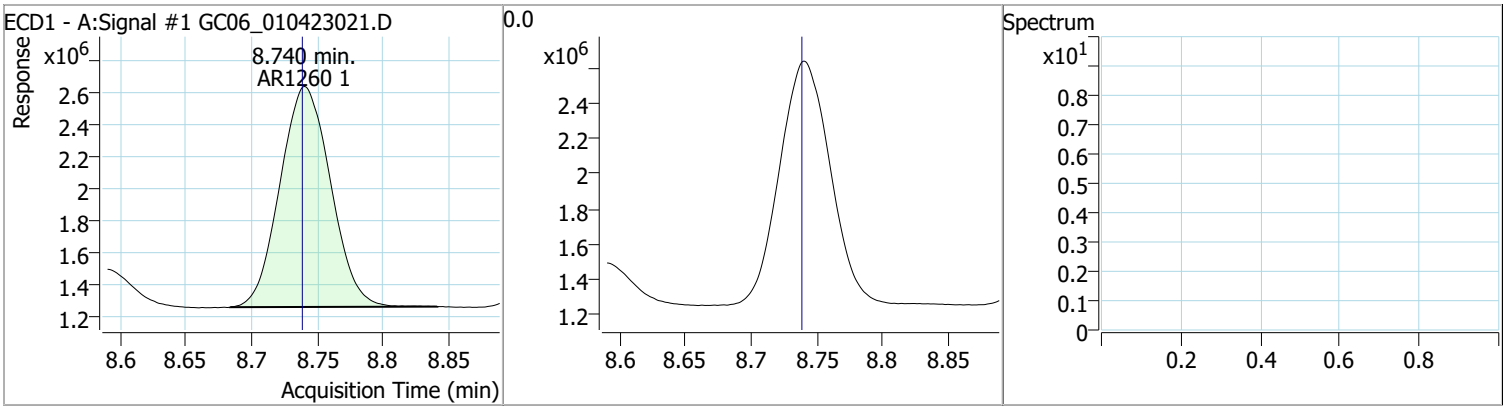
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	880.1553	7.11	0.00	10142494				



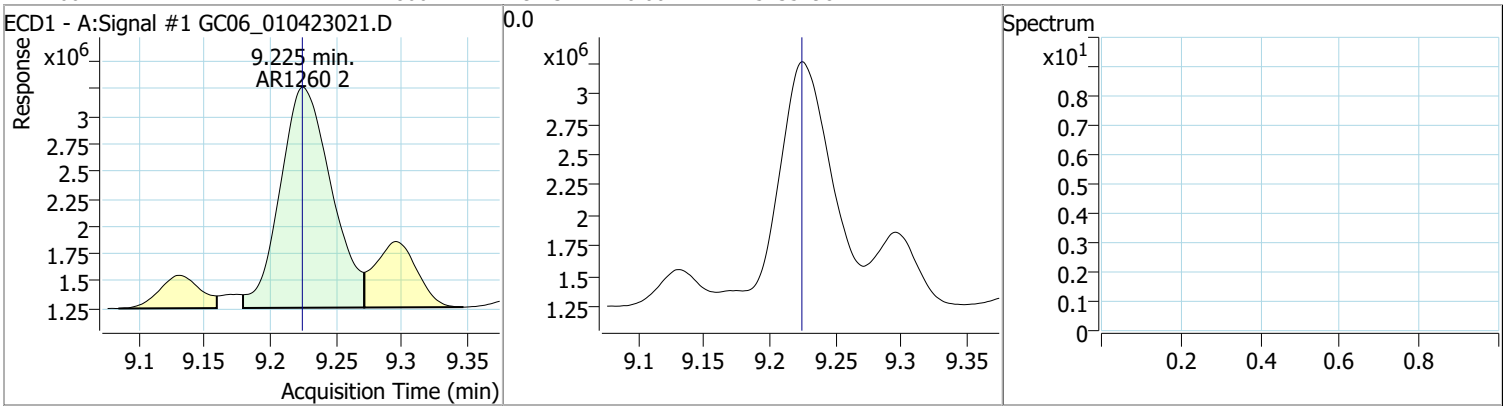
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	891.1326	7.83	0.00	8231115				



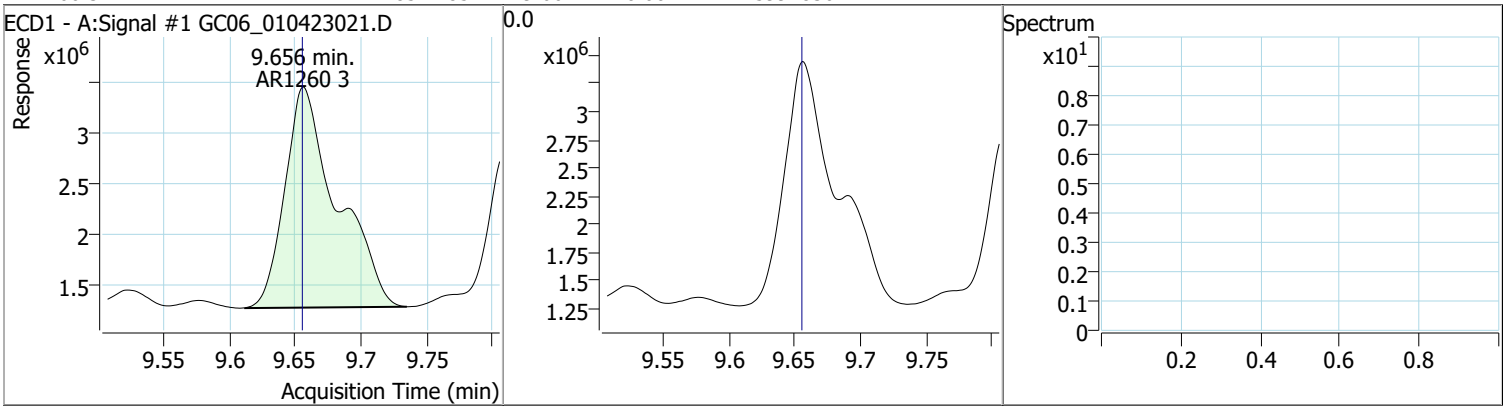
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	829.4228	8.74	0.00	3733939				



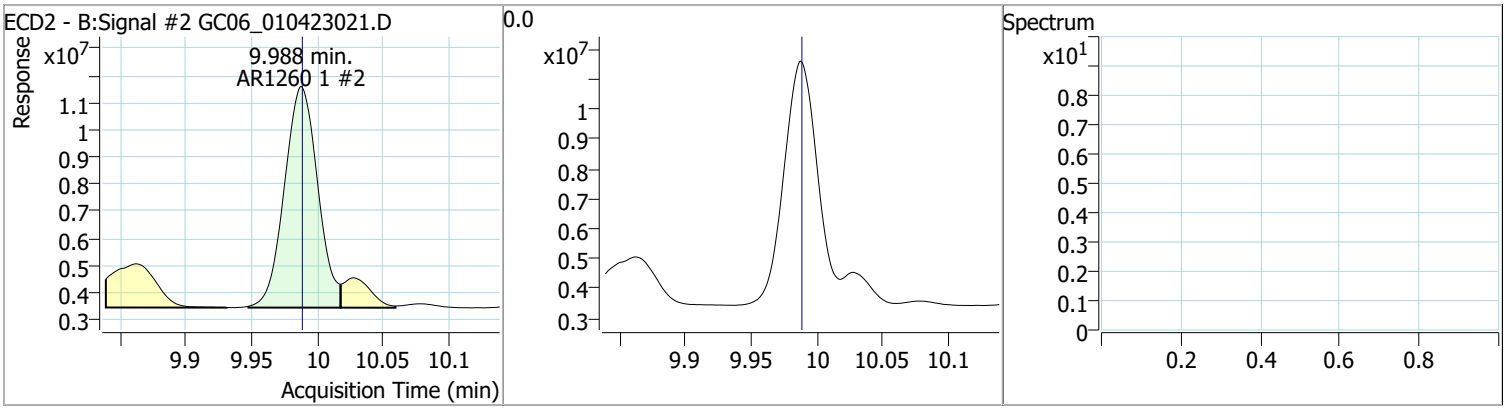
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	866.4222	9.23	0.00	5435798				



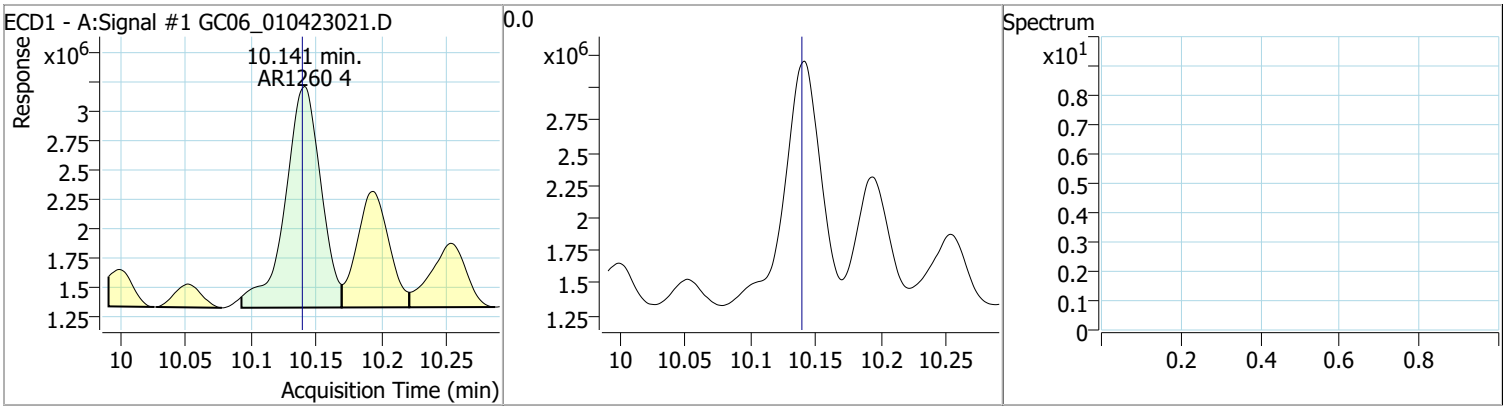
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	857.1854	9.66	0.00	5997830				



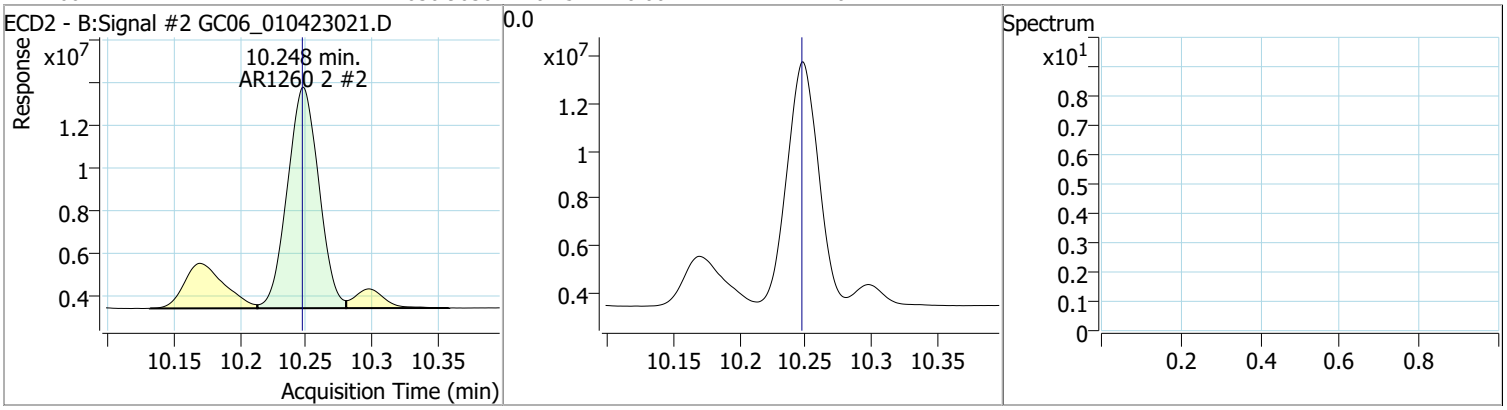
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	818.5862	9.99	0.00	14377088				



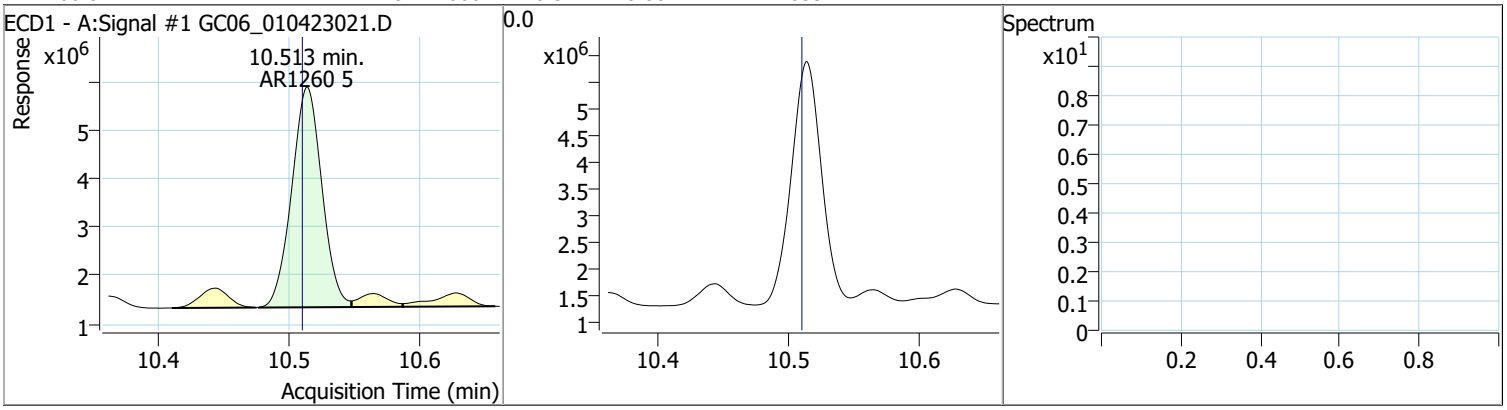
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	971.3727	10.14	0.00	3578498				



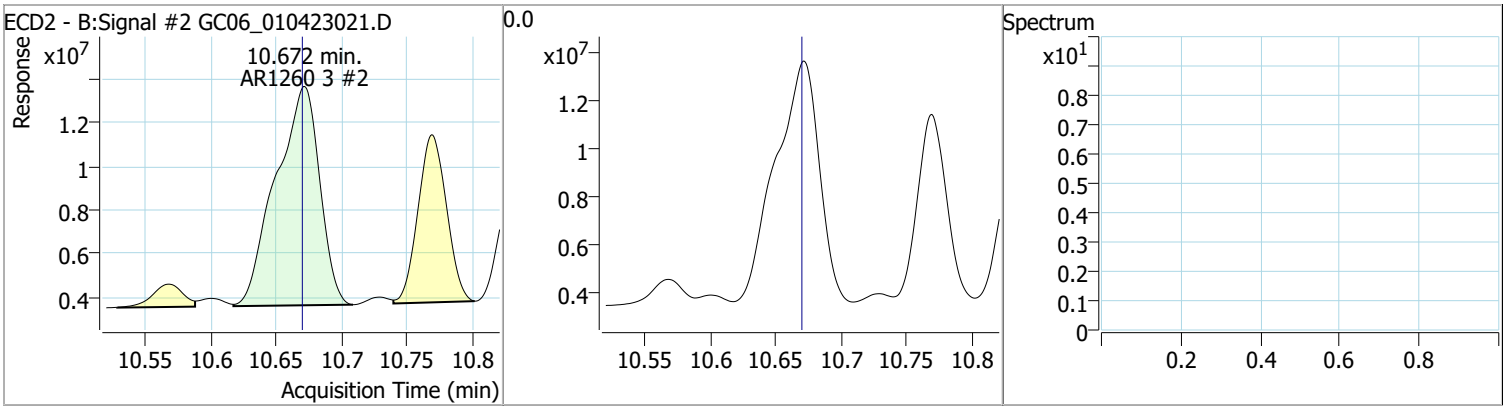
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1030.9030	10.25	0.00	17224270				



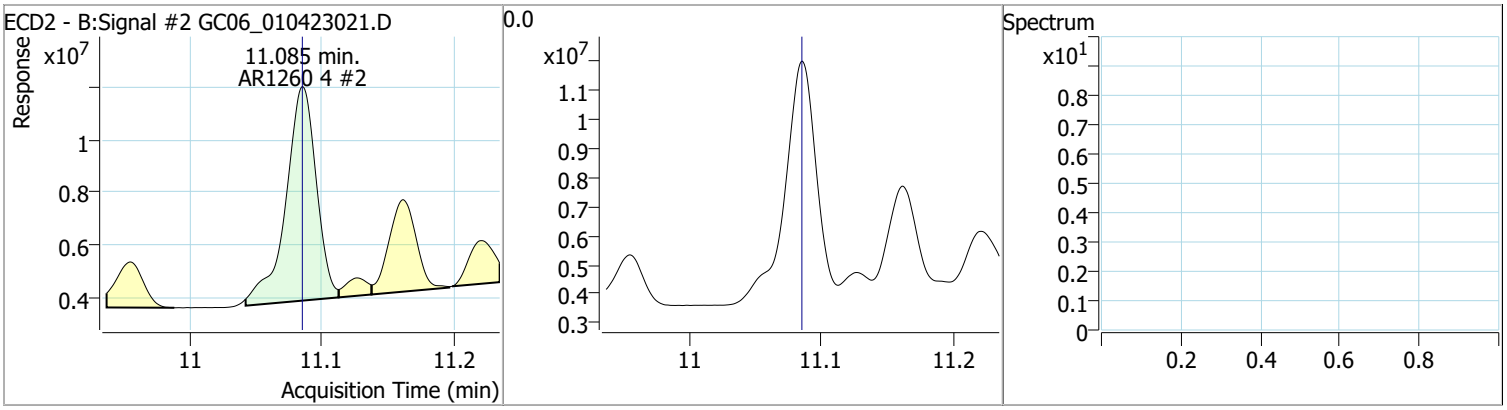
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	911.4668	10.51	0.00	7276534				



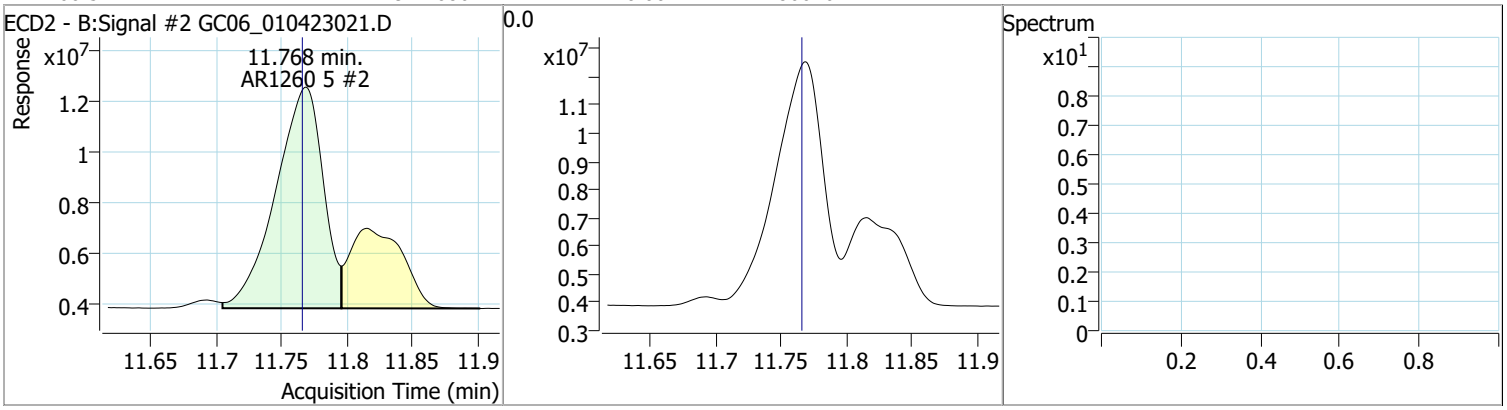
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	907.5848	10.67	0.00	23260783				



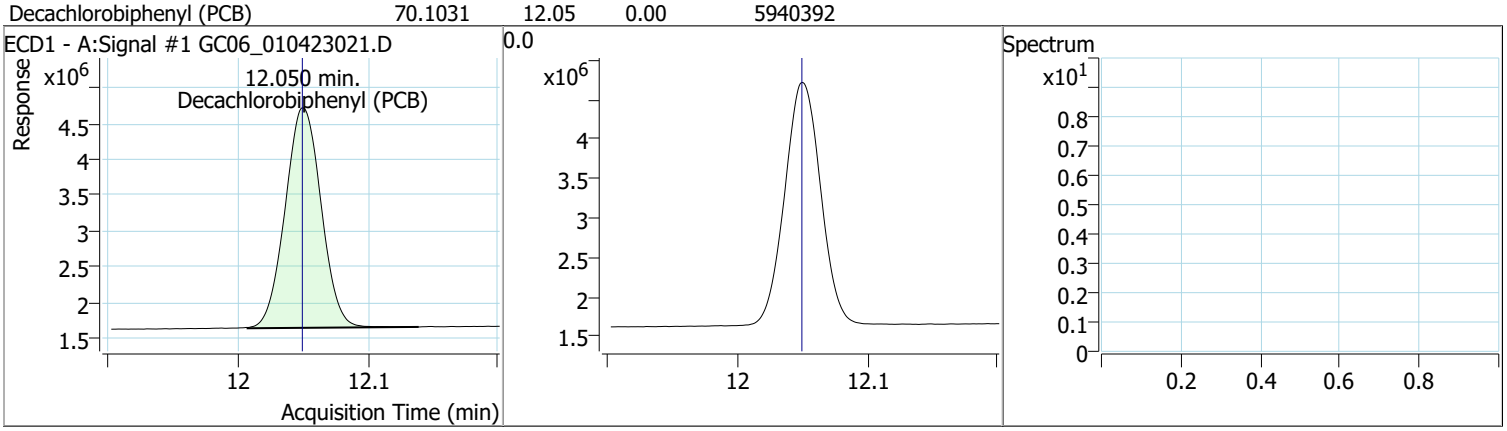
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	936.2000	11.09	0.00	13190411				



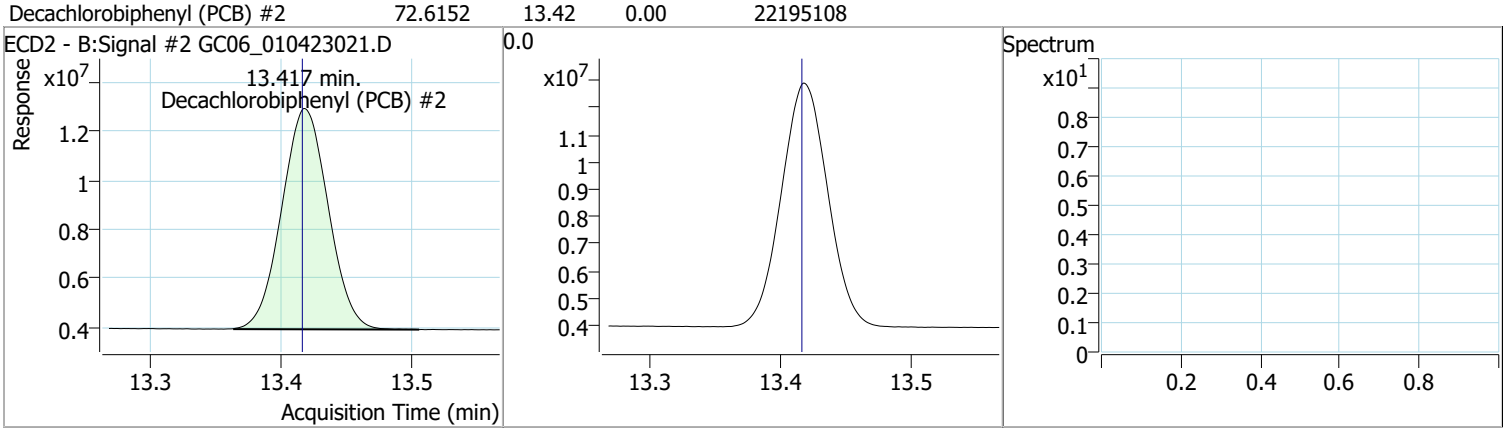
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	942.0862	11.77	0.00	21866262				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	70.1031	12.05	0.00	5940392				

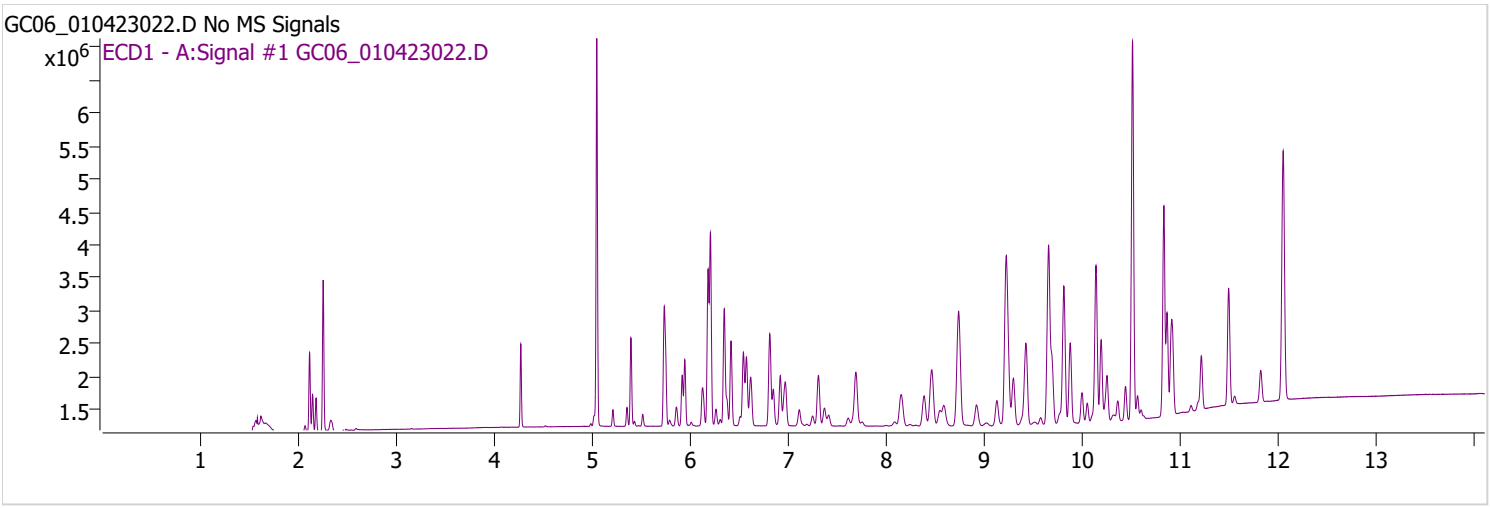


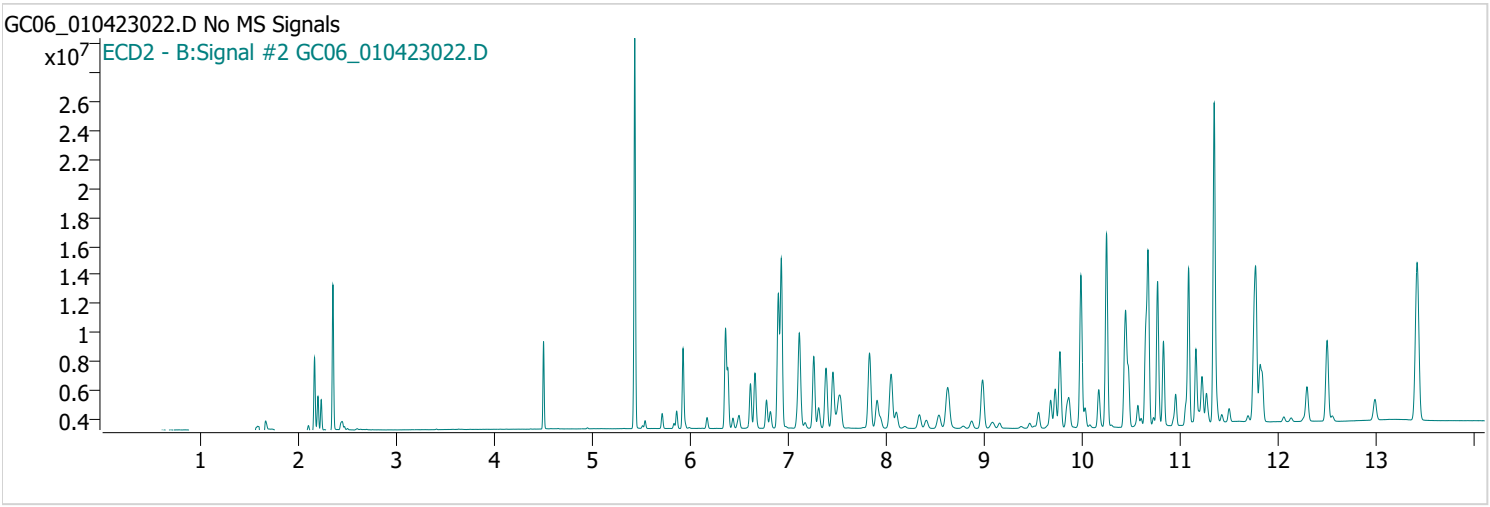
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	72.6152	13.42	0.00	22195108				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:57:59 PM
Sample Name	ICAL, S17804	Instrument	SVOA-GC06
Vial	29	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



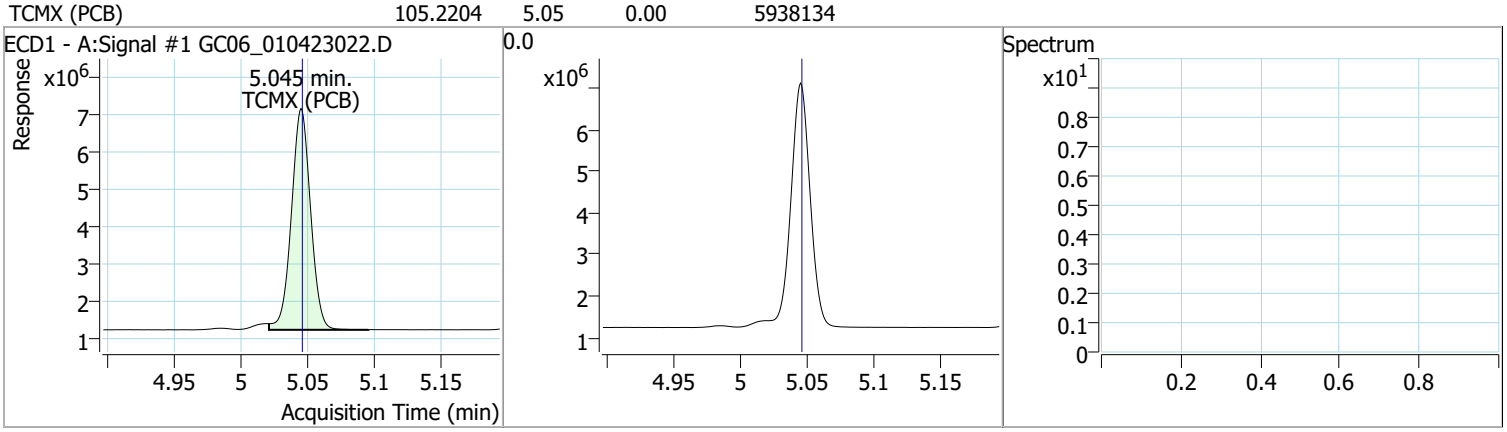


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1138880.840	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5328369.528	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	5938134.306	105.2204	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 526.10%		*	
S TCMX (PCB) #2	5.433	0.0	27963302.097	107.0454	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 535.23%		*	
S Decachlorobiphenyl (PCB)	12.052	0.0	7385380.754	93.0629	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 465.31%		*	
S Decachlorobiphenyl (PCB) #2	13.418	0.0	27458374.676	94.9313	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 474.66%		*	
Target Compounds							QValue

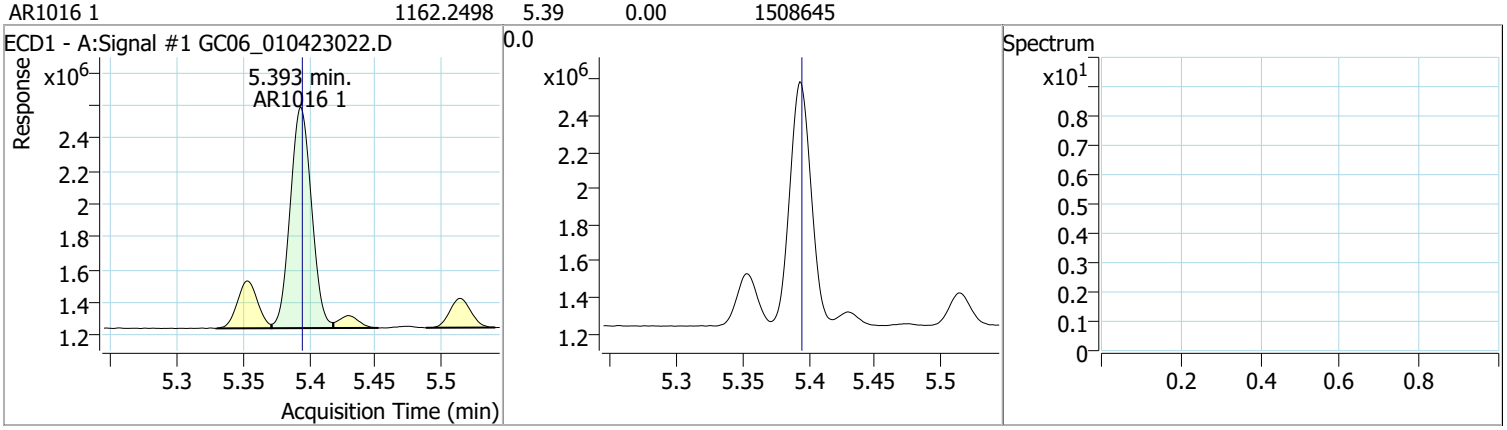
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.393	0.0	1508644.564	1162.2498	ng/ml		100
T AR1016 2	5.734	0.0	3140880.866	1506.2643	ng/ml		100
T AR1016 1 #2	5.926	0.0	6838205.424	1161.8049	ng/ml		100
T AR1016 3	6.205	0.0	3876258.524	1192.6717	ng/ml		100
T AR1016 4	6.347	0.0	2560930.835	1235.3299	ng/ml	m	100
T AR1016 2 #2	6.360	0.0	9993103.109	1177.3492	ng/ml	m	100
T AR1016 5	6.542	0.0	1720213.690	1263.8243	ng/ml		100
T AR1016 3 #2	6.928	0.0	18459172.515	1235.2595	ng/ml		100
T AR1016 4 #2	7.113	0.0	13267755.437	1216.6811	ng/ml		100
T AR1016 5 #2	7.829	0.0	10829053.375	1238.9077	ng/ml		100
T AR1260 1	8.738	0.0	4524947.931	1073.2573	ng/ml		100
T AR1260 2	9.225	0.0	6760185.219	1150.5521	ng/ml		100
T AR1260 3	9.658	0.0	7364015.492	1123.7684	ng/ml		100
T AR1260 1 #2	9.987	0.0	18426837.384	1108.6872	ng/ml		100
T AR1260 4	10.141	0.0	4336571.664	1256.9358	ng/ml		100
T AR1260 2 #2	10.248	0.0	22192000.755	1497.6882	ng/ml		100
T AR1260 5	10.513	0.0	9287392.009	1242.2001	ng/ml		100
T AR1260 3 #2	10.671	0.0	28285691.491	1166.2576	ng/ml		100
T AR1260 4 #2	11.086	0.0	17337882.952	1300.3826	ng/ml		100
T AR1260 5 #2	11.769	0.0	25746992.115	1172.2152	ng/ml		100

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

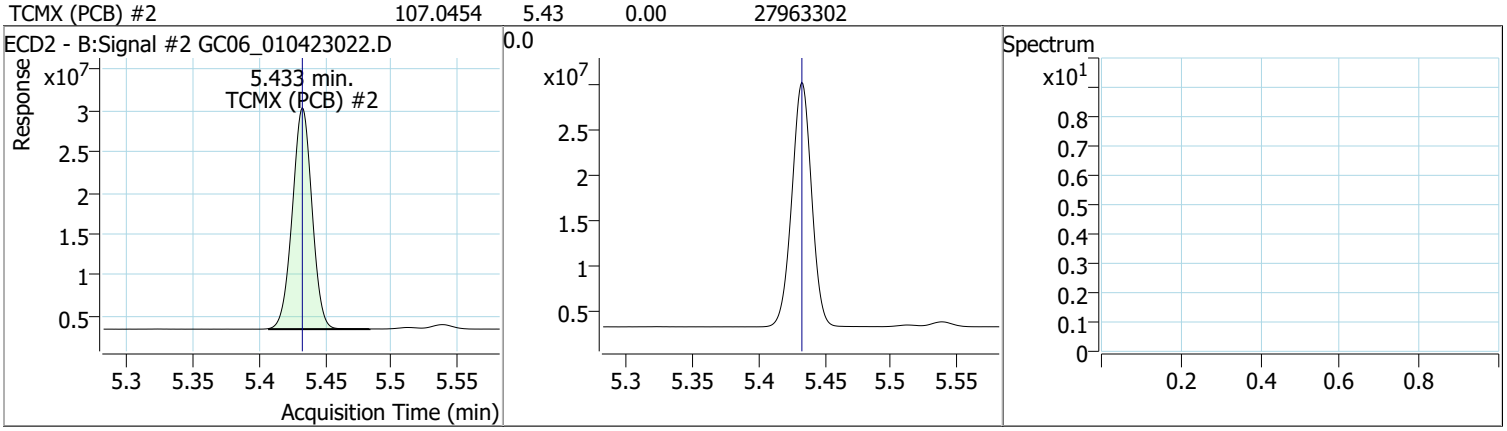
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	105.2204	5.05	0.00	5938134				



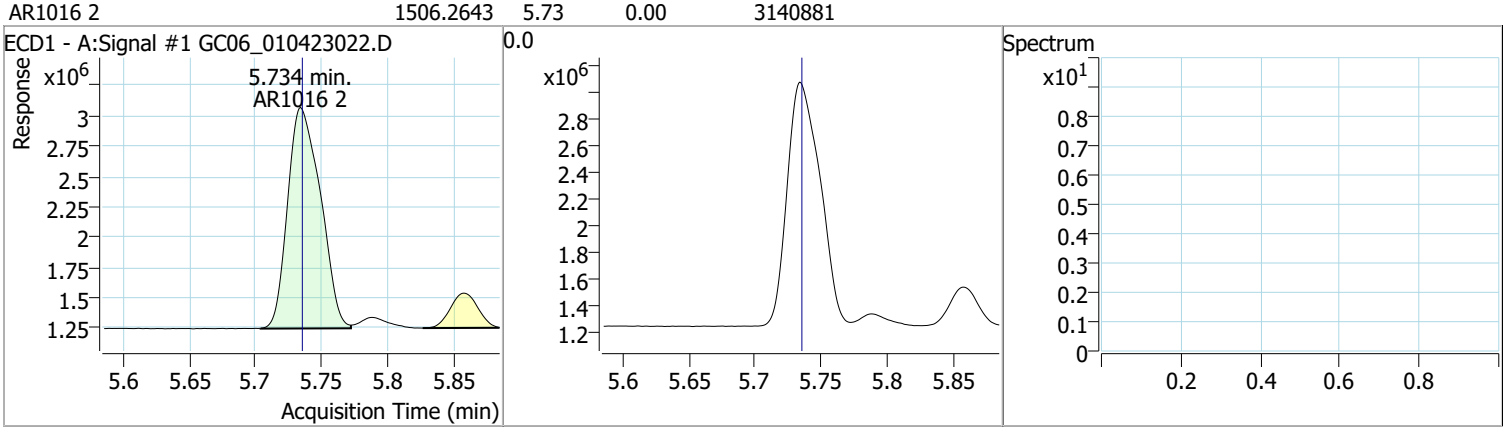
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1162.2498	5.39	0.00	1508645				



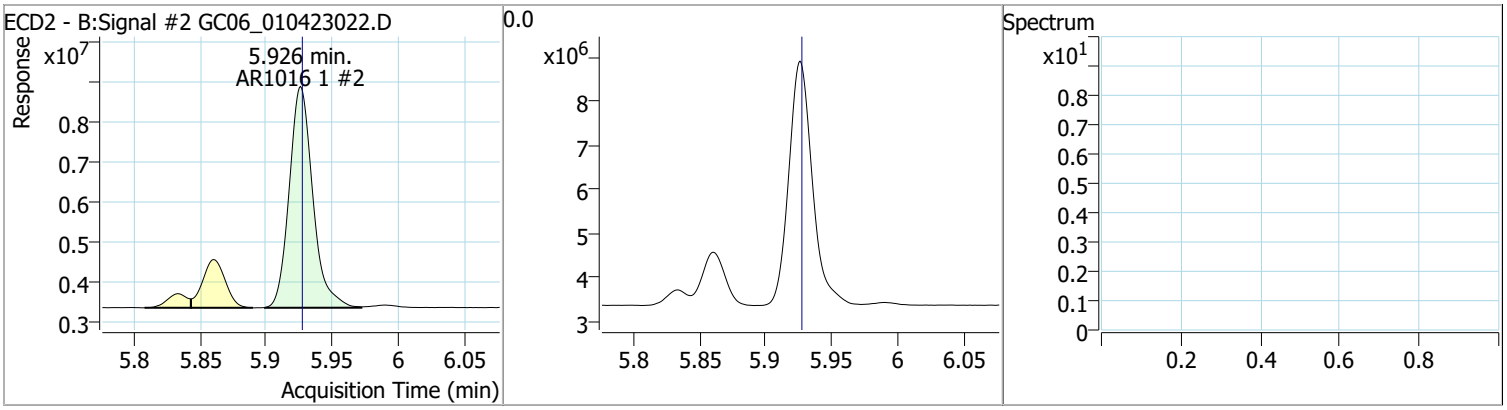
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	107.0454	5.43	0.00	27963302				



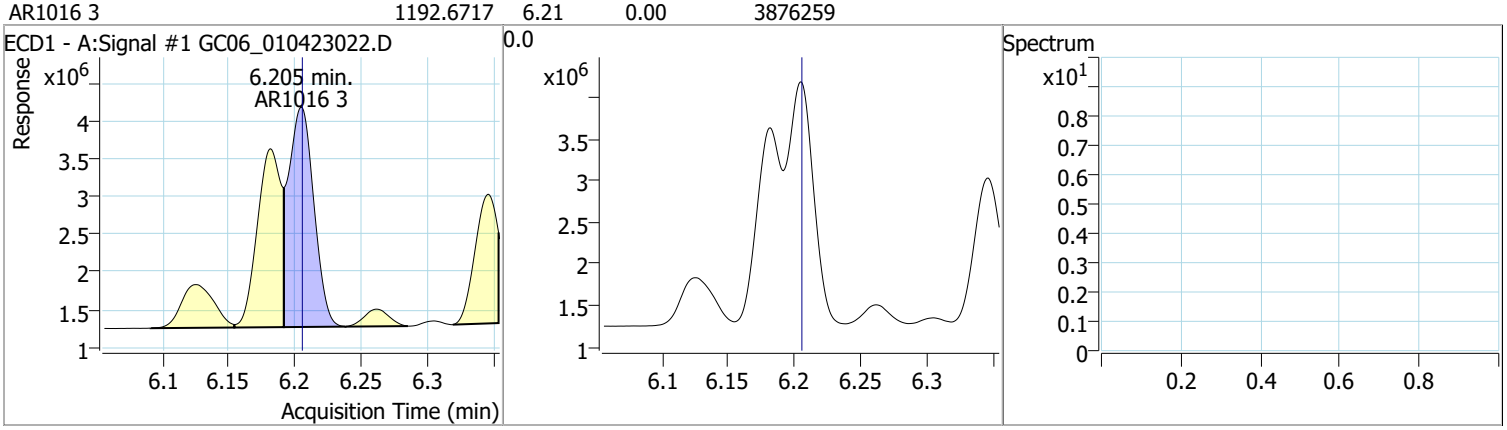
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1506.2643	5.73	0.00	3140881				



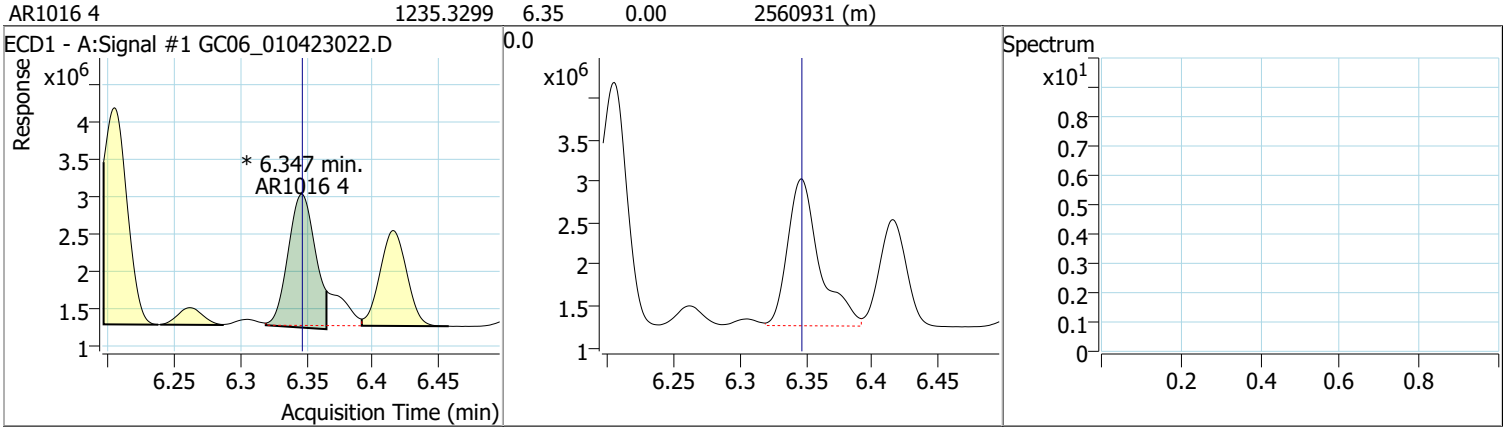
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AR1016 1 #2	1161.8049	5.93	0.00	6838205				



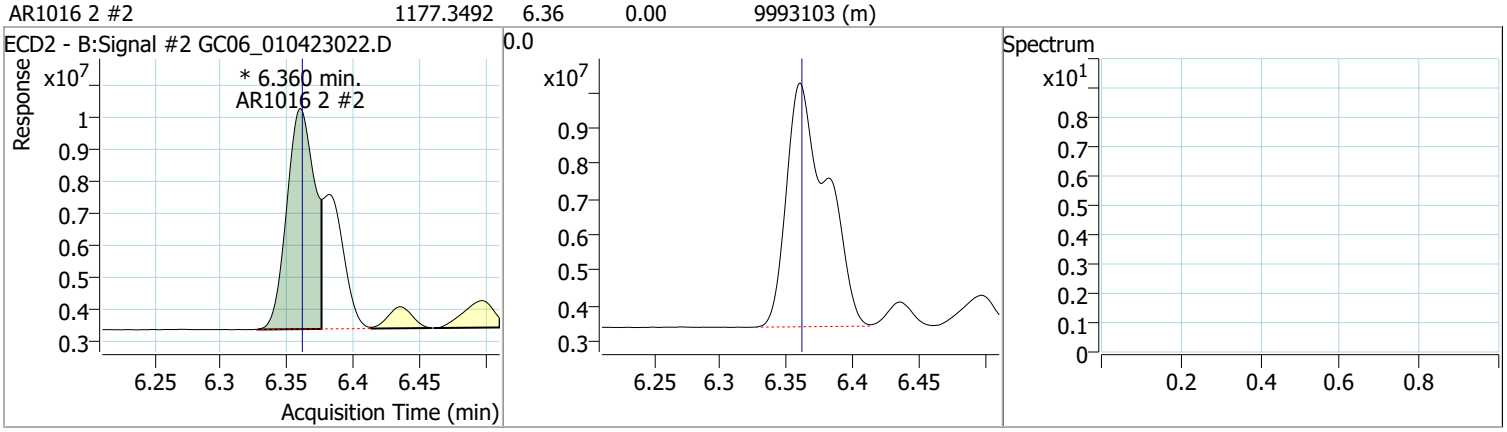
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1192.6717	6.21	0.00	3876259				



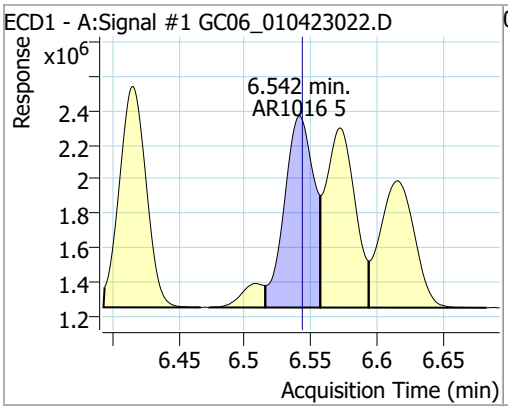
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1235.3299	6.35	0.00	2560931 (m)				

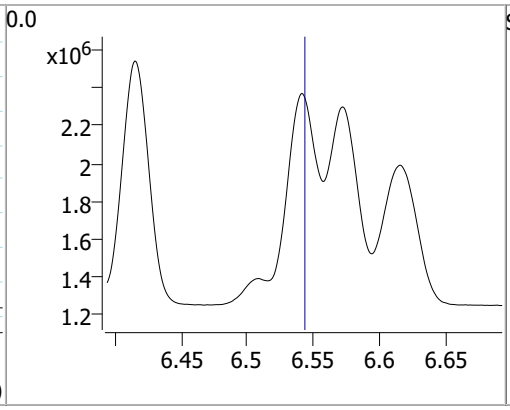


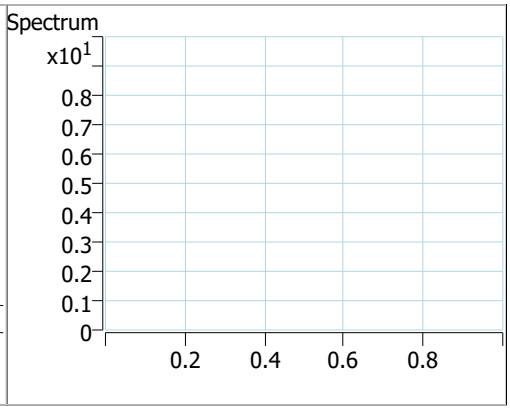
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1177.3492	6.36	0.00	9993103 (m)				



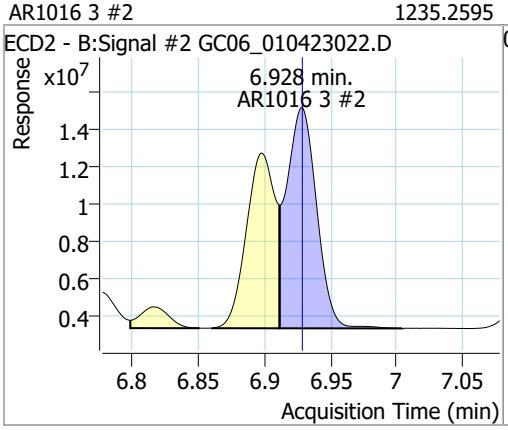
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1263.8243	6.54	0.00	1720214				

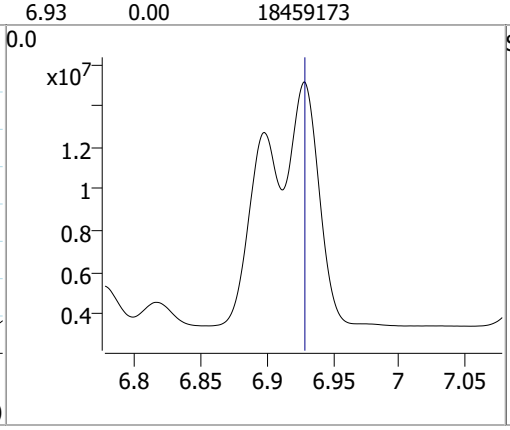


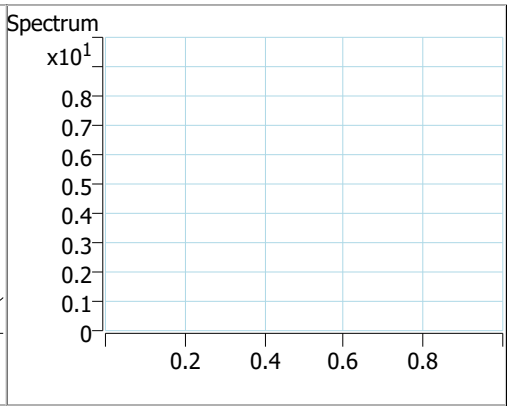




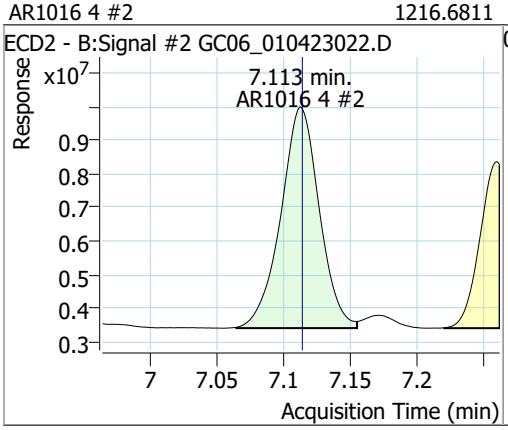
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1235.2595	6.93	0.00	18459173				

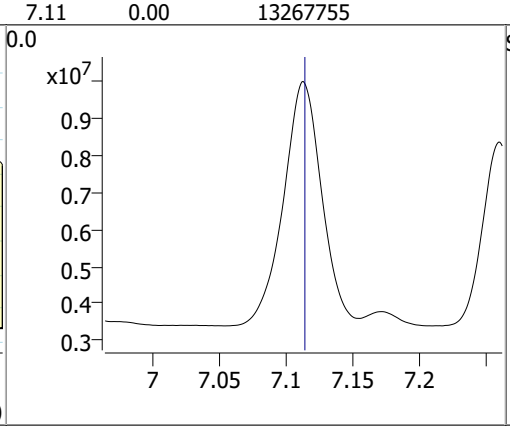


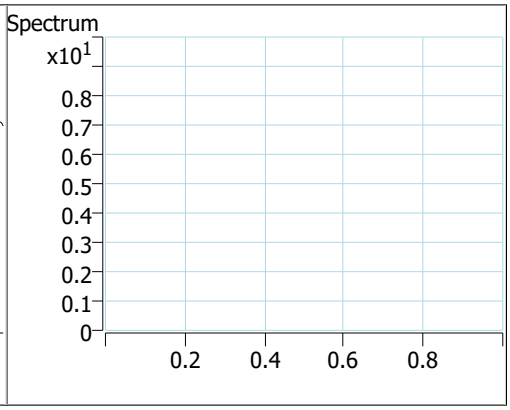




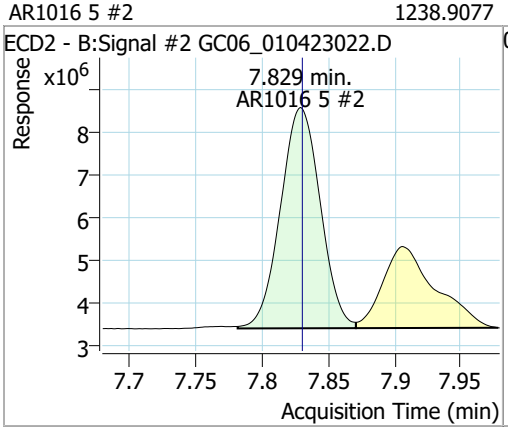
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1216.6811	7.11	0.00	13267755				

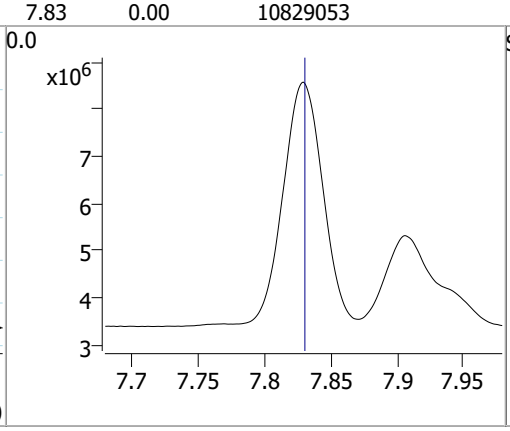


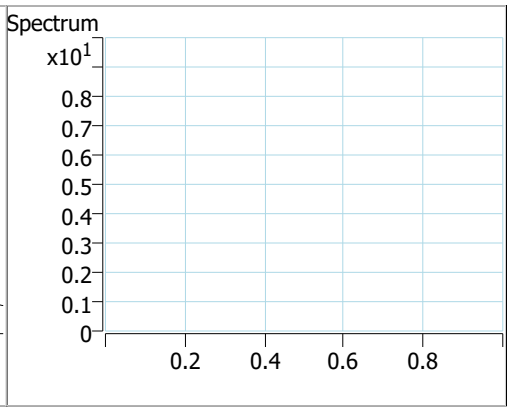




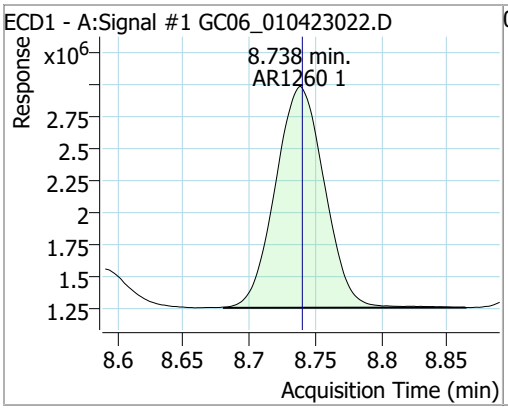
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1238.9077	7.83	0.00	10829053				

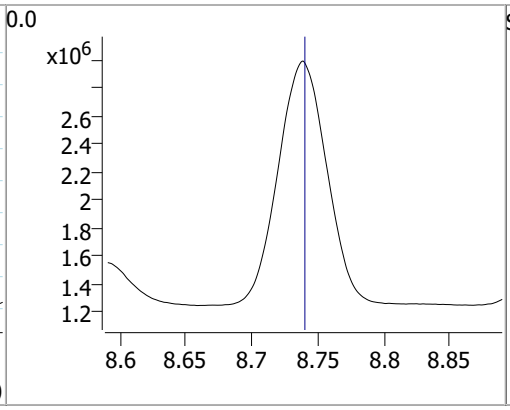


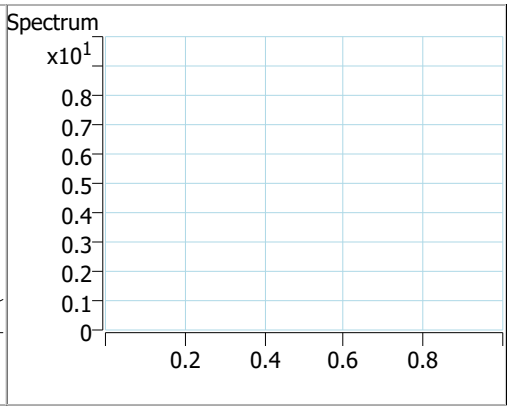




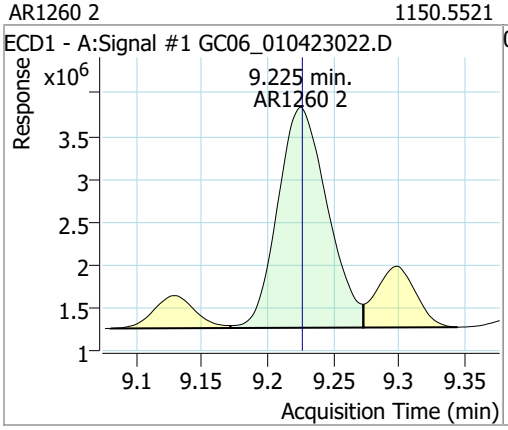
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1073.2573	8.74	0.00	4524948				

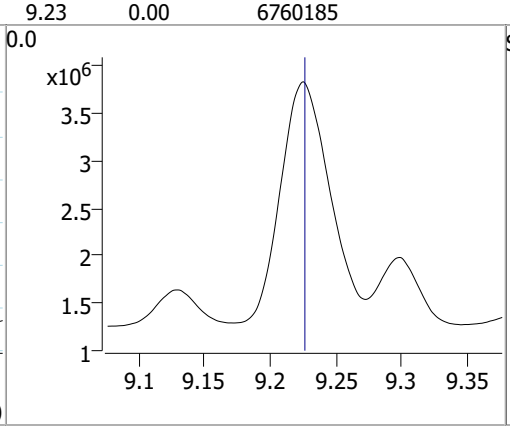


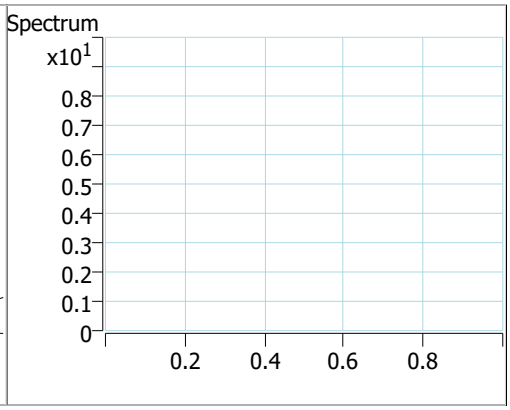




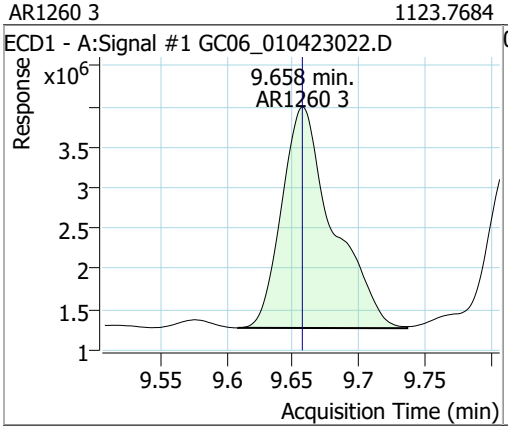
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1150.5521	9.23	0.00	6760185				

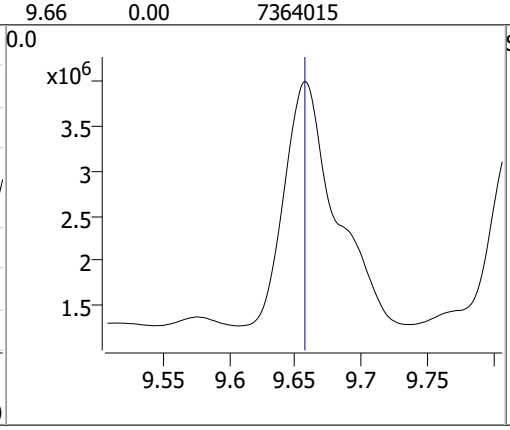


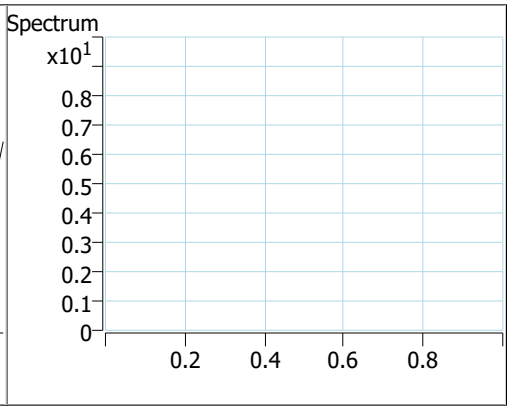




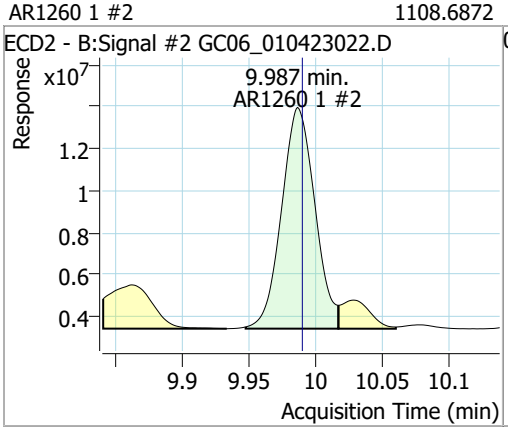
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1123.7684	9.66	0.00	7364015				

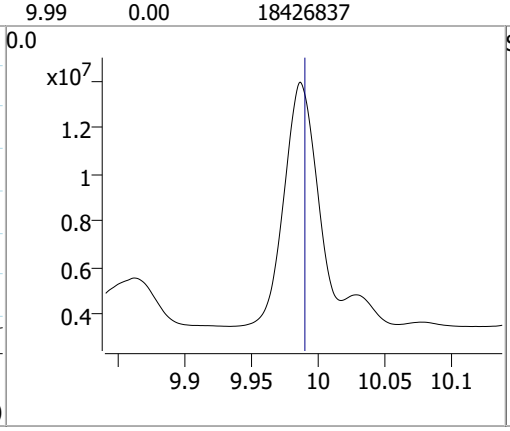


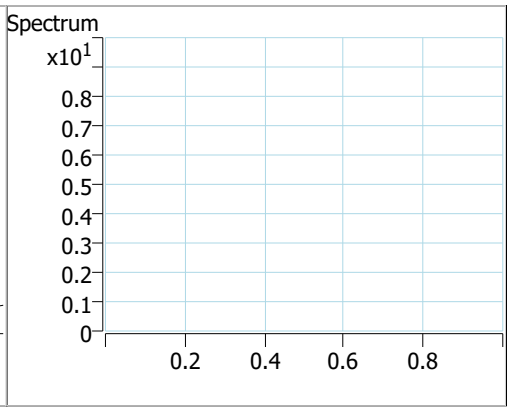




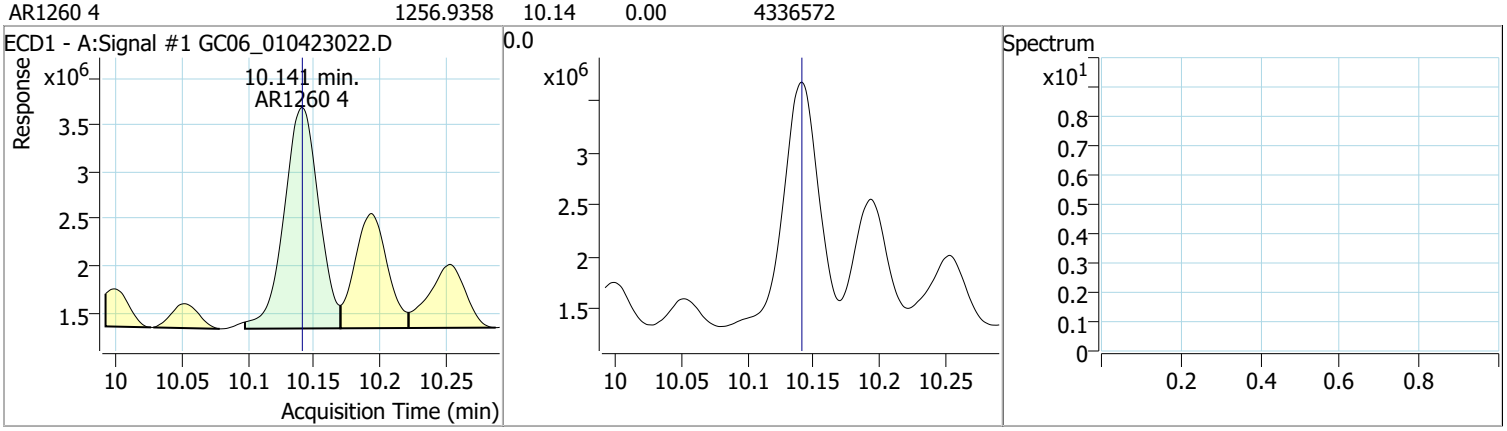
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1108.6872	9.99	0.00	18426837				



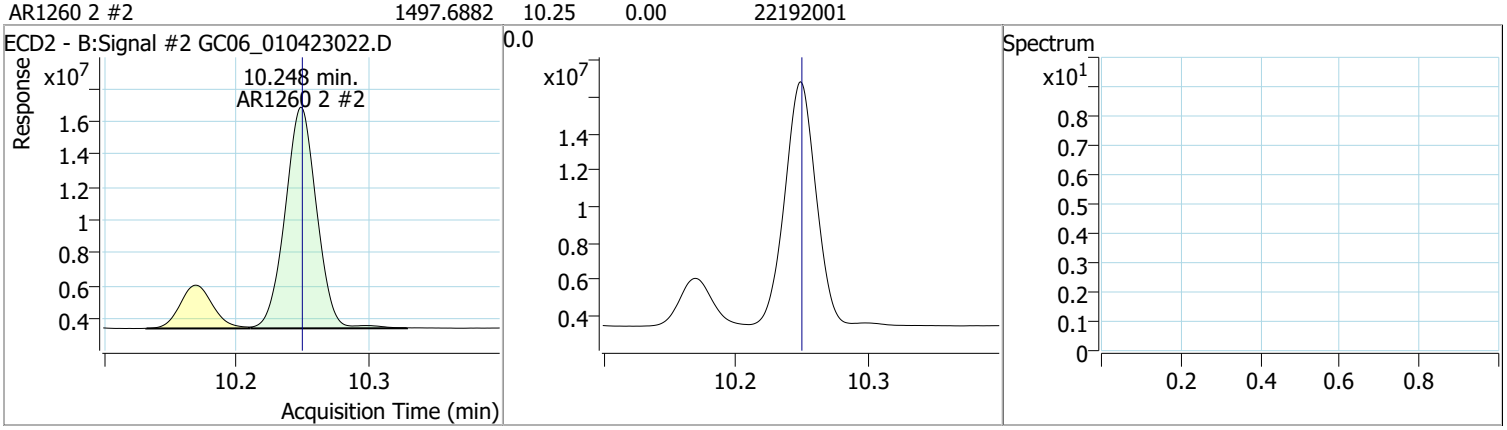




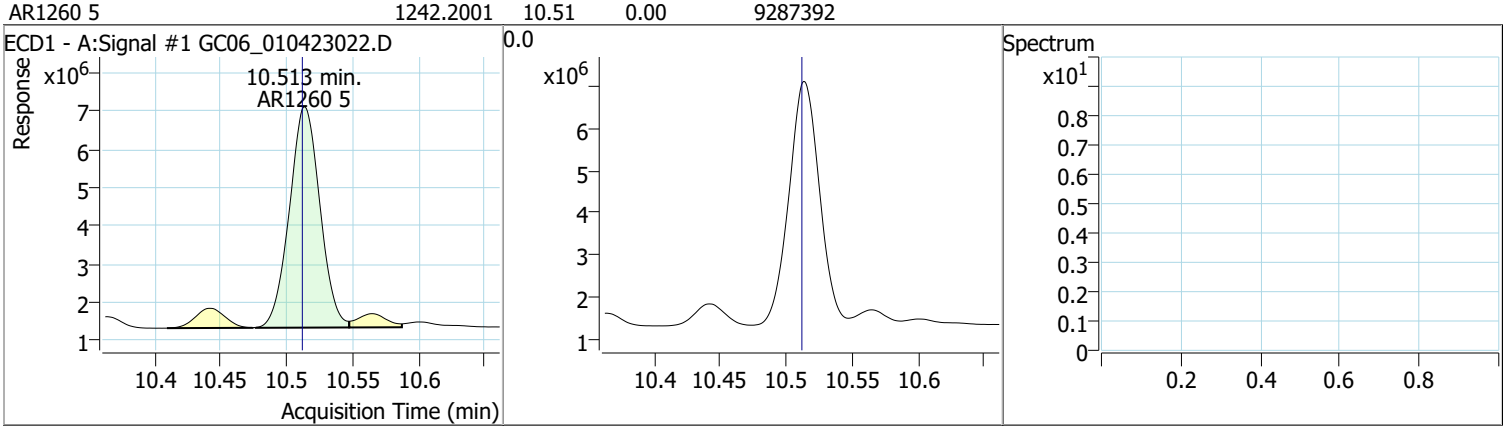
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1256.9358	10.14	0.00	4336572				



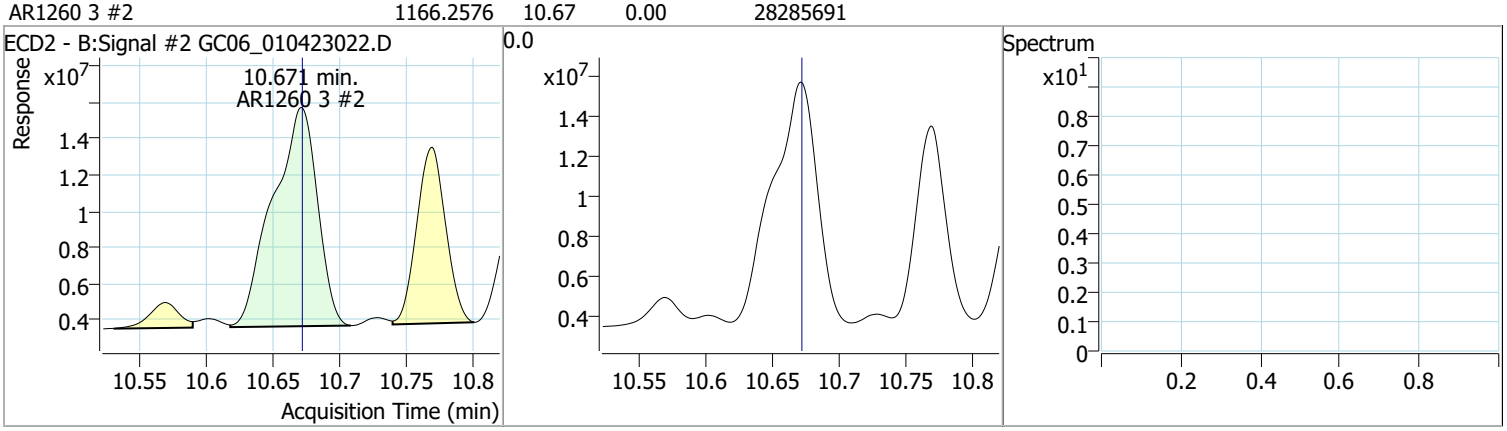
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1497.6882	10.25	0.00	22192001				



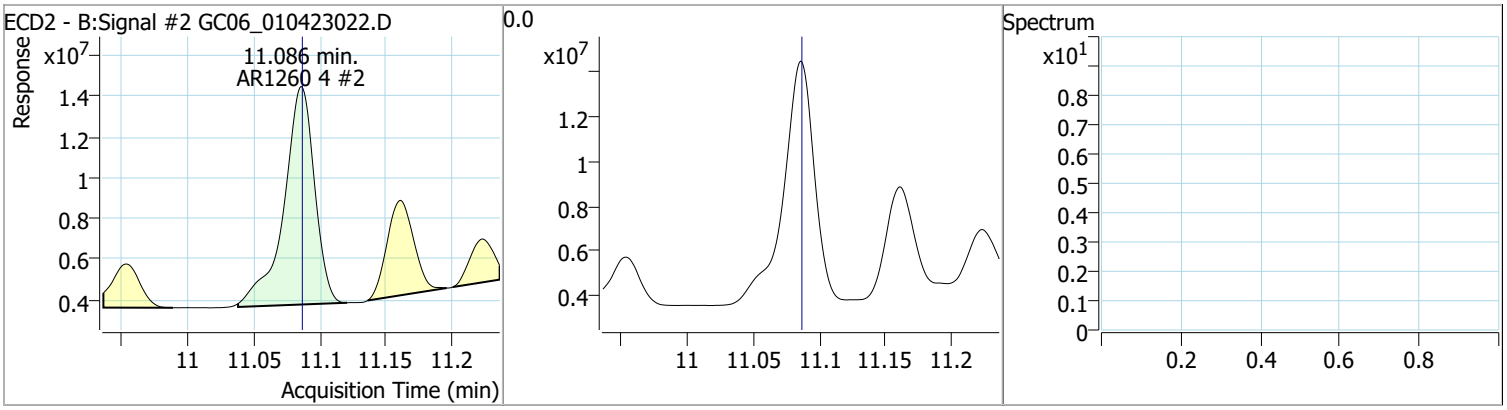
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1242.2001	10.51	0.00	9287392				



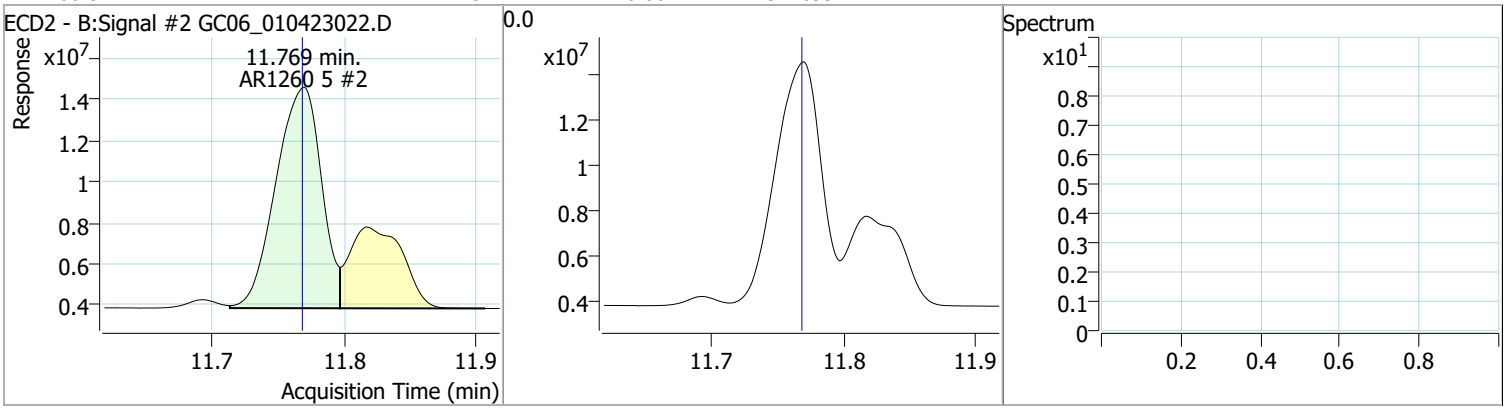
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1166.2576	10.67	0.00	28285691				



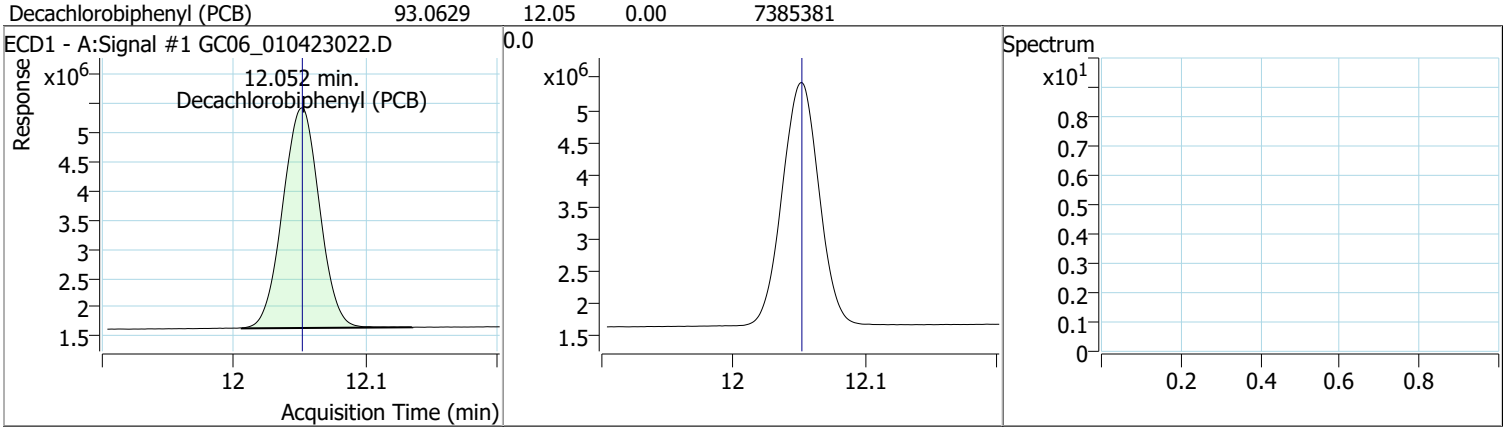
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1300.3826	11.09	0.00	17337883				



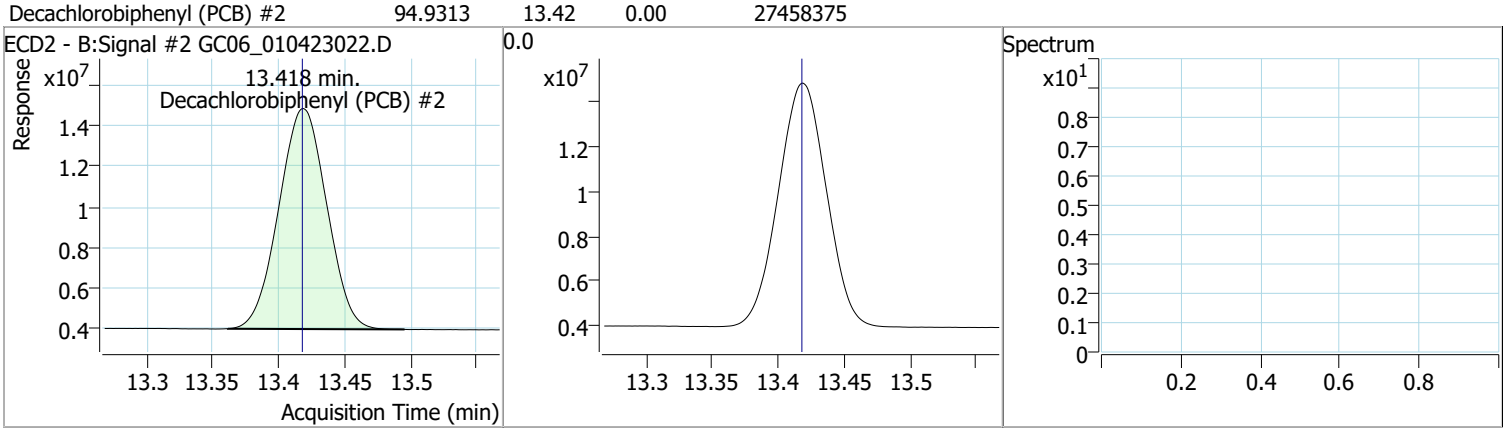
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1172.2152	11.77	0.00	25746992				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	93.0629	12.05	0.00	7385381				

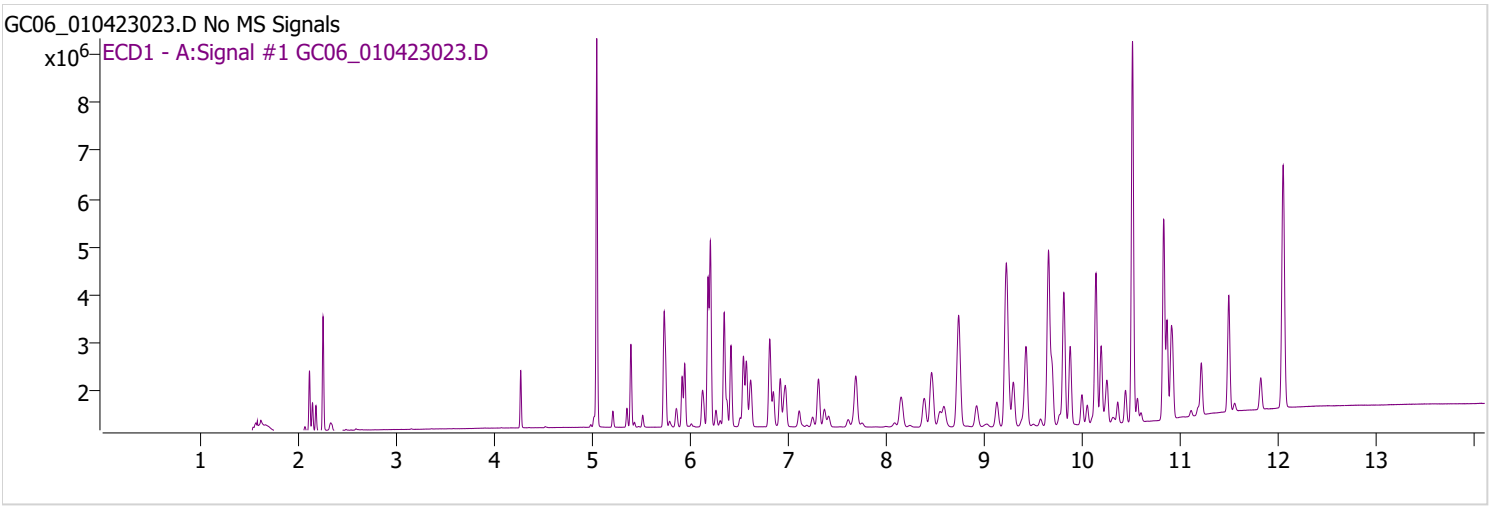


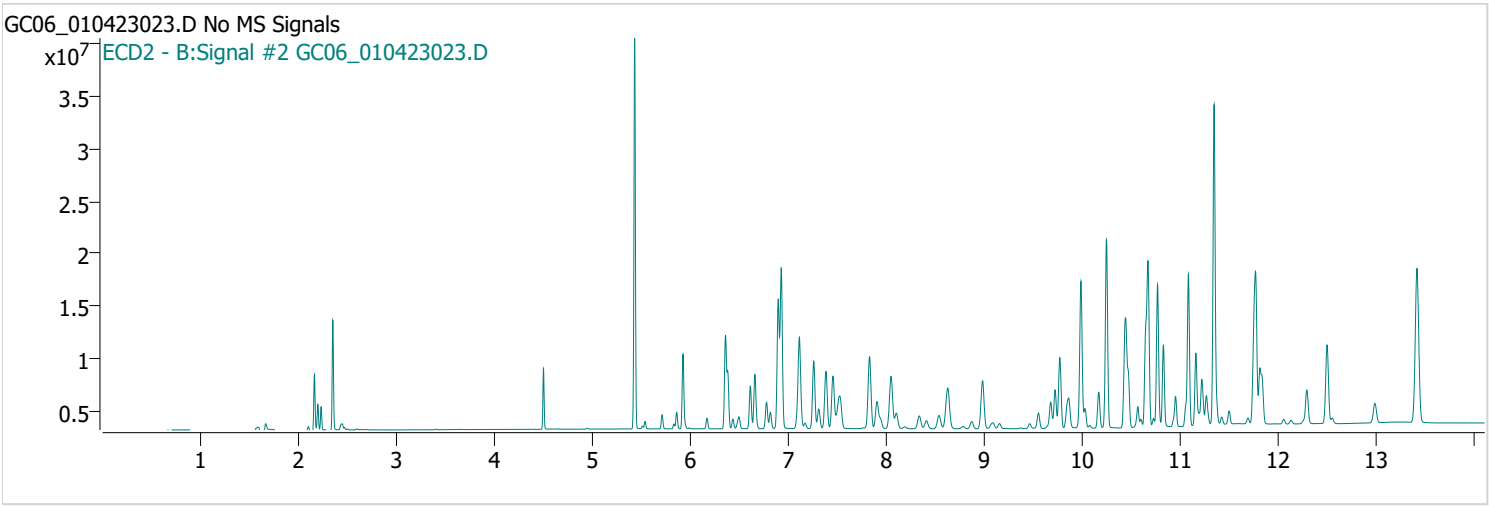
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	94.9313	13.42	0.00	27458375				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 6:16:18 PM
Sample Name	ICAL, S17805	Instrument	SVOA-GC06
Vial	30	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



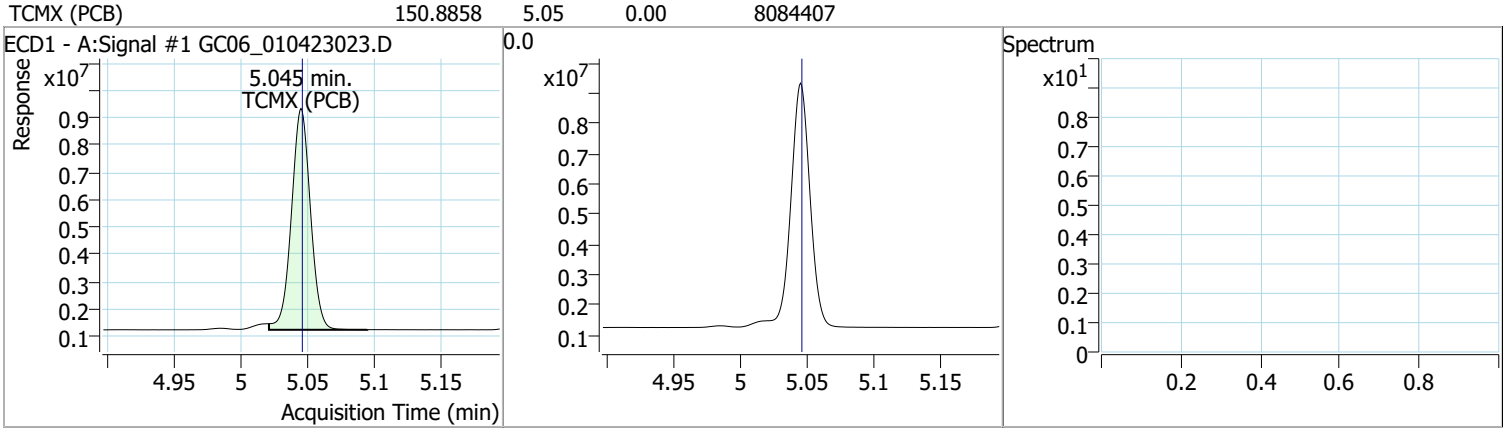


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1081254.587	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5002246.629	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	8084407.275	150.8858	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 754.43%		*	
S TCMX (PCB) #2	5.433	0.0	38140466.942	155.5230	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 777.62%		*	
S Decachlorobiphenyl (PCB)	12.053	0.0	9873496.025	131.0464	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 655.23%		*	
S Decachlorobiphenyl (PCB) #2	13.420	0.0	36783561.306	135.4621	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 677.31%		*	
Target Compounds							QValue

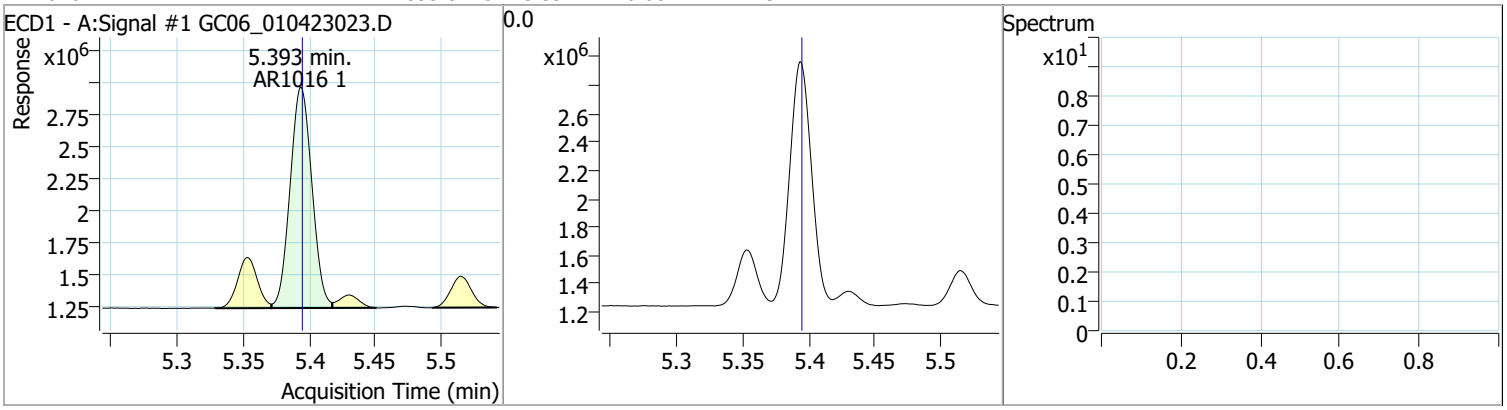
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.393	0.0	1971173.515	1599.5128	ng/ml		100
T AR1016 2	5.734	0.0	4125099.123	2408.8246	ng/ml		100
T AR1016 1 #2	5.926	0.0	8999570.970	1628.7038	ng/ml		100
T AR1016 3	6.205	0.0	5168374.061	1674.9909	ng/ml		100
T AR1016 4	6.347	0.0	3347669.808	1700.8972	ng/ml	m	100
T AR1016 2 #2	6.360	0.0	13207484.225	1657.5028	ng/ml	m	100
T AR1016 5	6.543	0.0	2262867.796	1751.1115	ng/ml		100
T AR1016 3 #2	6.928	0.0	24585800.814	1752.5062	ng/ml		100
T AR1016 4 #2	7.113	0.0	17552010.381	1714.4917	ng/ml		100
T AR1016 5 #2	7.830	0.0	14335975.985	1747.0484	ng/ml		100
T AR1260 1	8.740	0.0	5916941.613	1478.2159	ng/ml		100
T AR1260 2	9.227	0.0	8887064.600	1593.1489	ng/ml		100
T AR1260 3	9.658	0.0	9673136.928	1554.8188	ng/ml		100
T AR1260 1 #2	9.988	0.0	24413664.994	1564.6617	ng/ml		100
T AR1260 4	10.143	0.0	5752912.245	1756.3240	ng/ml		100
T AR1260 2 #2	10.249	0.0	29108855.572	2382.1188	ng/ml		100
T AR1260 5	10.515	0.0	12566680.158	1770.3889	ng/ml		100
T AR1260 3 #2	10.673	0.0	37614028.740	1651.9875	ng/ml		100
T AR1260 4 #2	11.086	0.0	22805799.894	1822.0052	ng/ml		100
T AR1260 5 #2	11.771	0.0	34390537.131	1667.8194	ng/ml		100

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

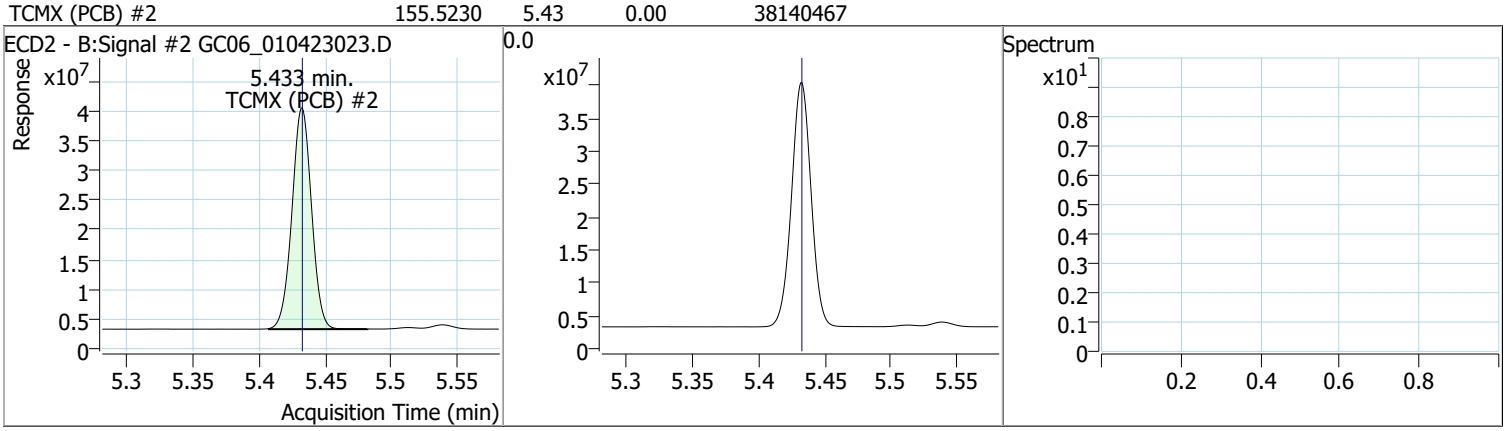
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	150.8858	5.05	0.00	8084407				



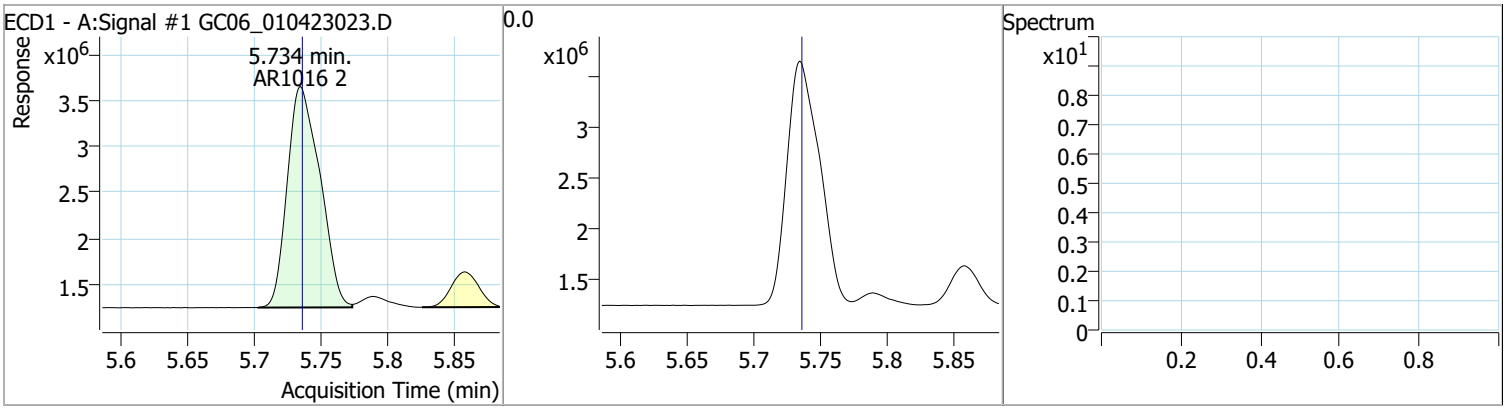
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1599.5128	5.39	0.00	1971174				



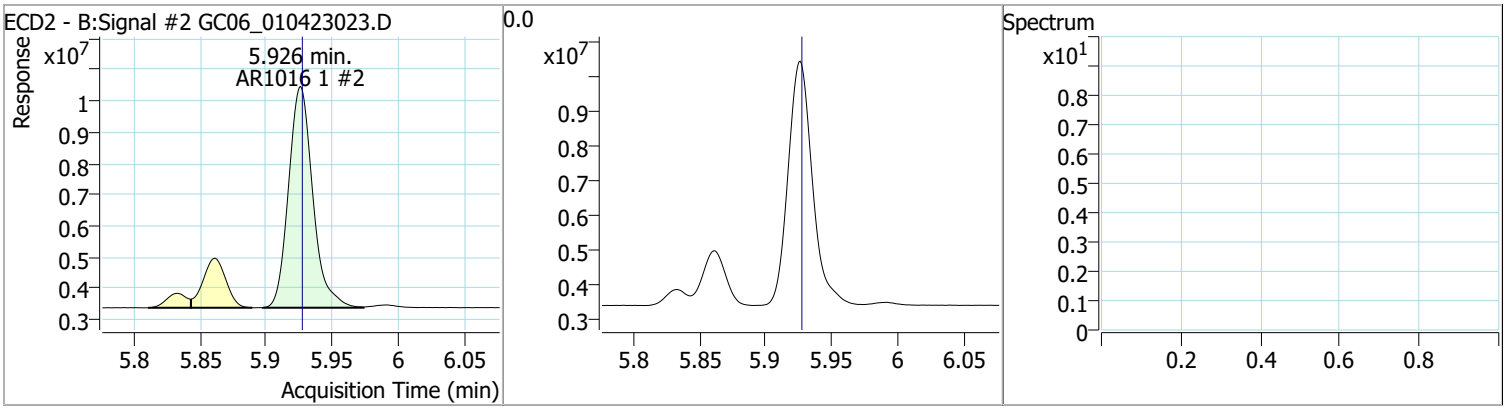
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	155.5230	5.43	0.00	38140467				



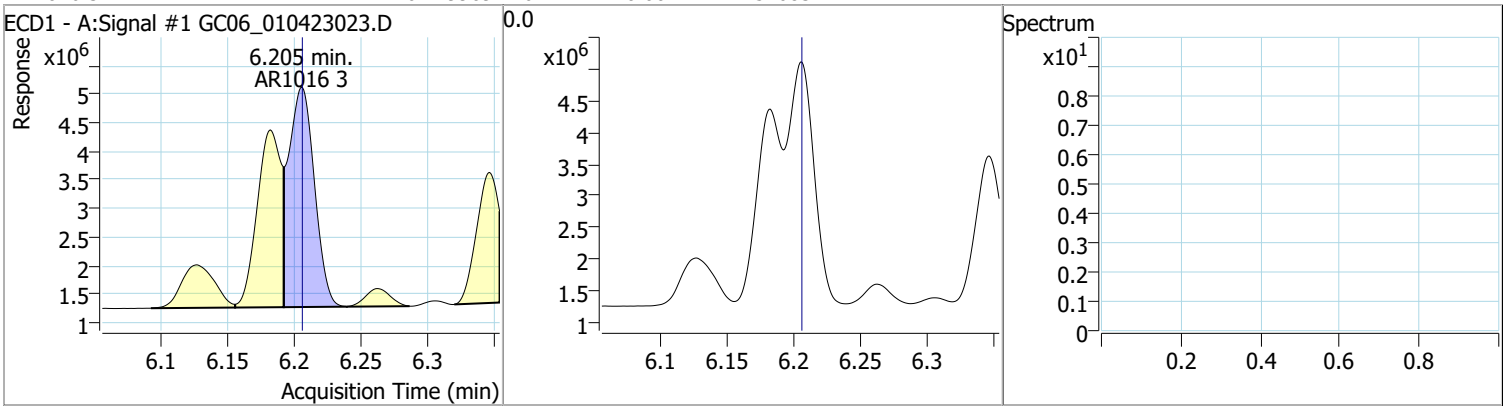
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2408.8246	5.73	0.00	4125099				



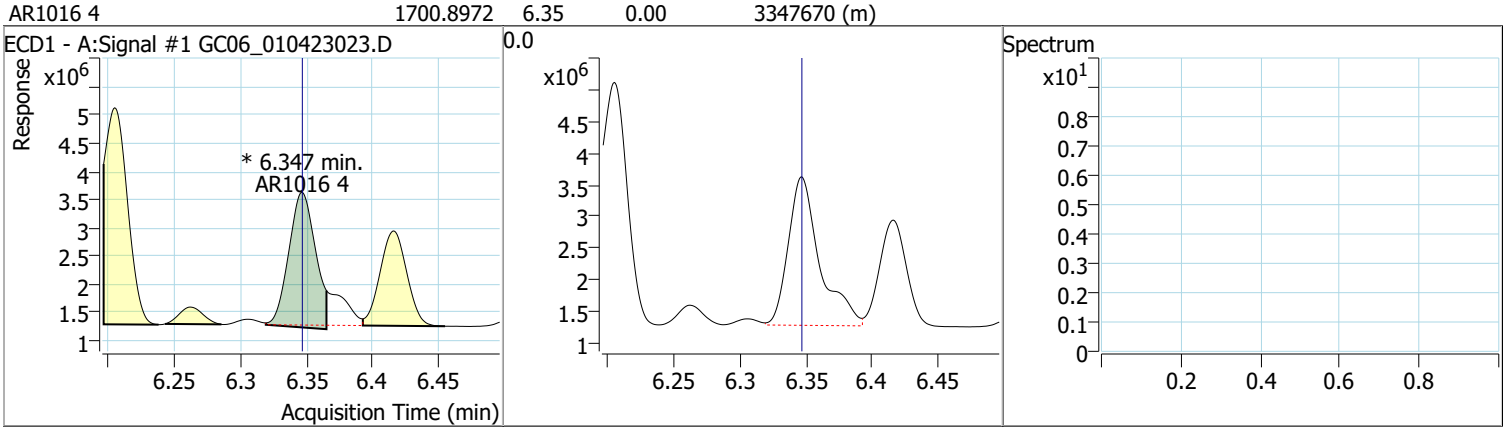
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1628.7038	5.93	0.00	8999571				



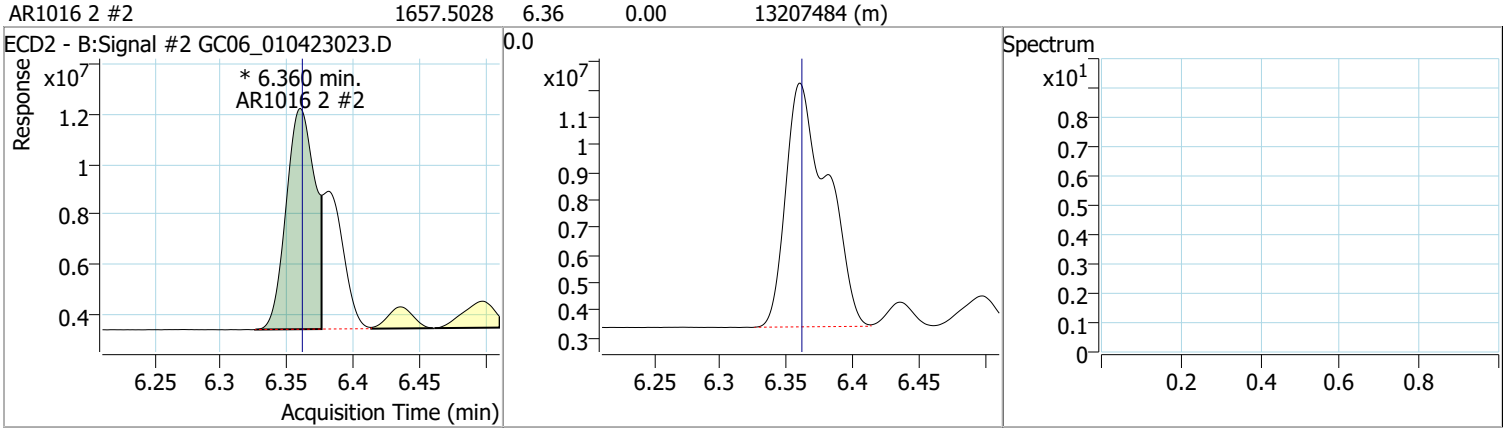
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1674.9909	6.21	0.00	5168374				



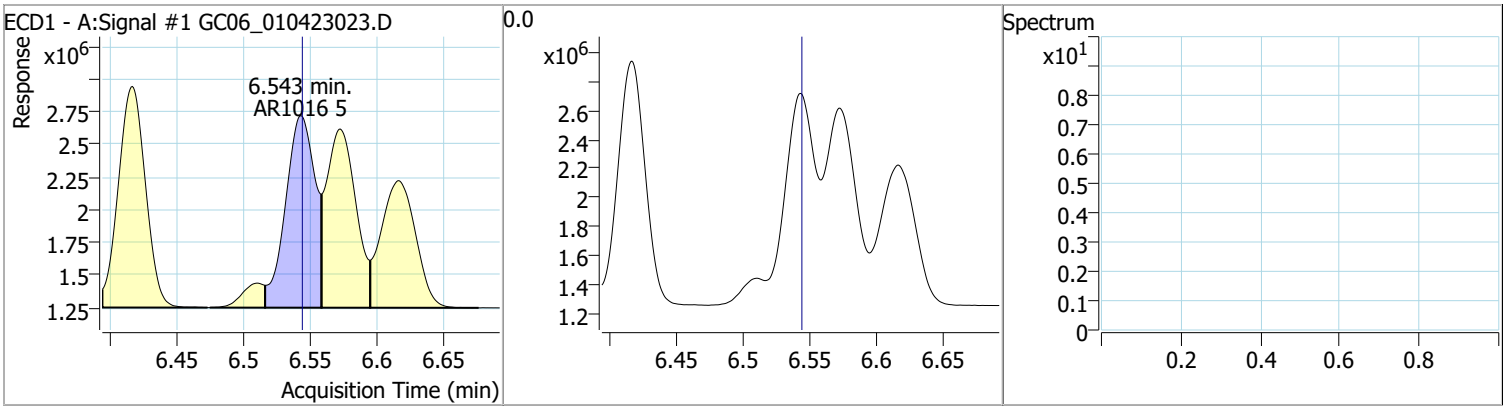
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1700.8972	6.35	0.00	3347670 (m)				



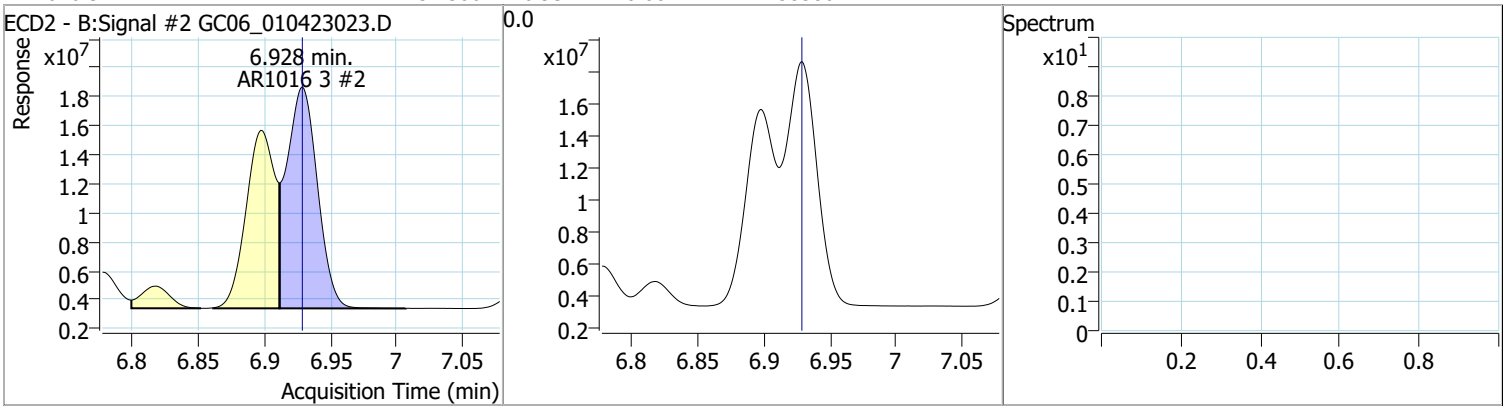
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1657.5028	6.36	0.00	13207484 (m)				



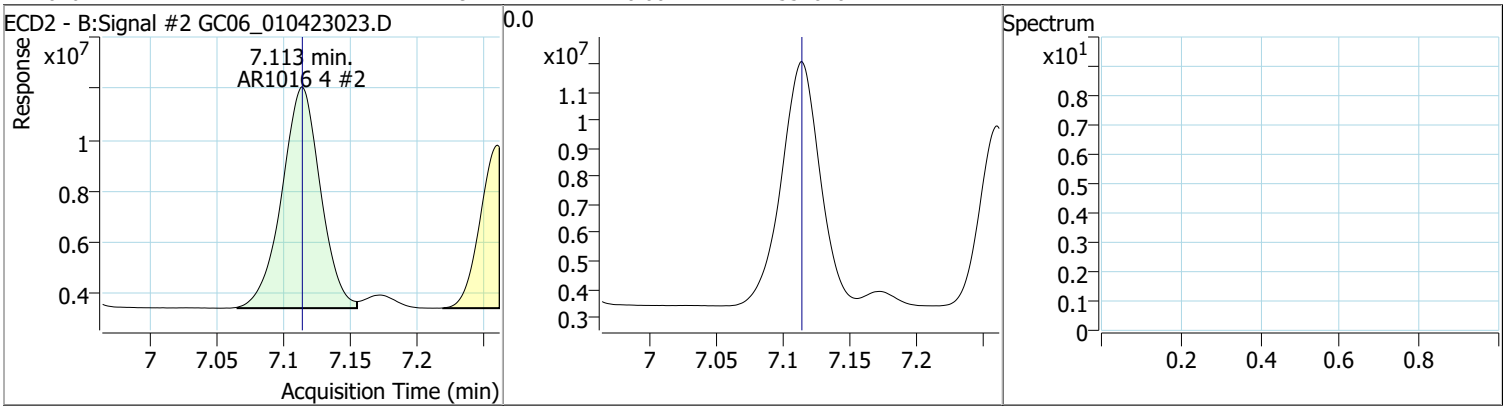
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1751.1115	6.54	0.00	2262868				



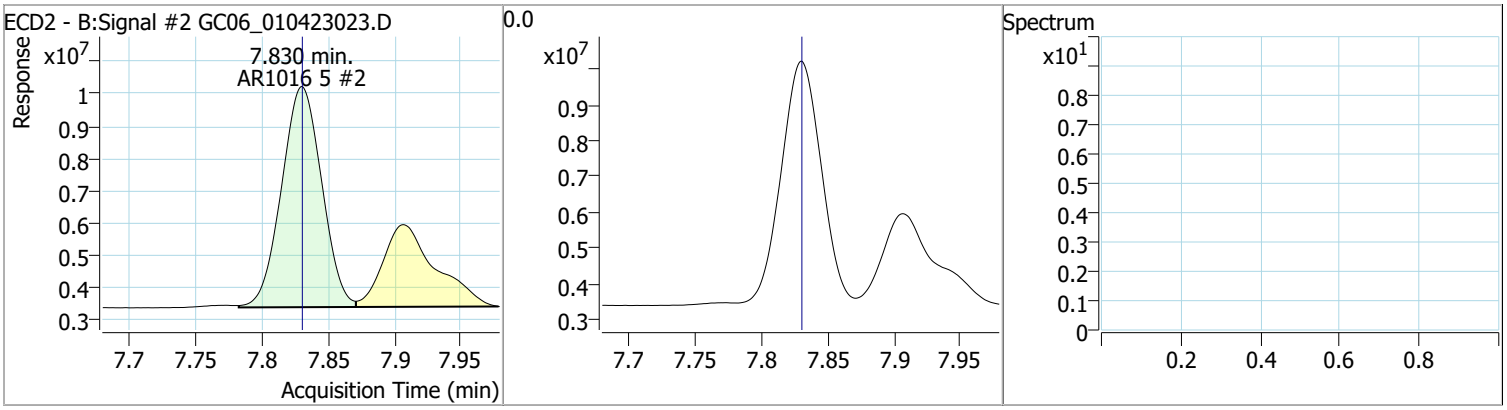
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1752.5062	6.93	0.00	24585801				



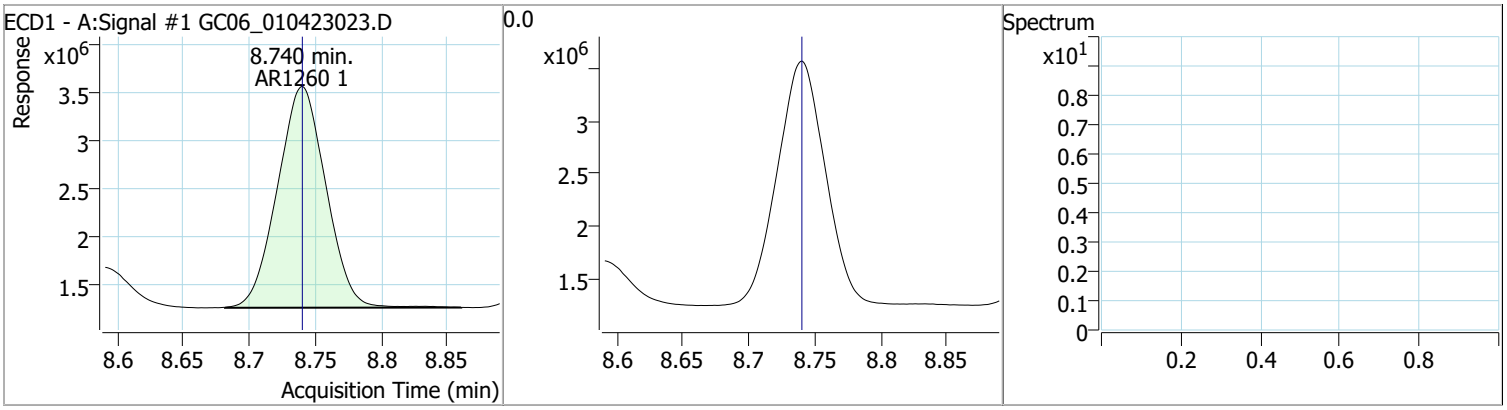
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1714.4917	7.11	0.00	17552010				



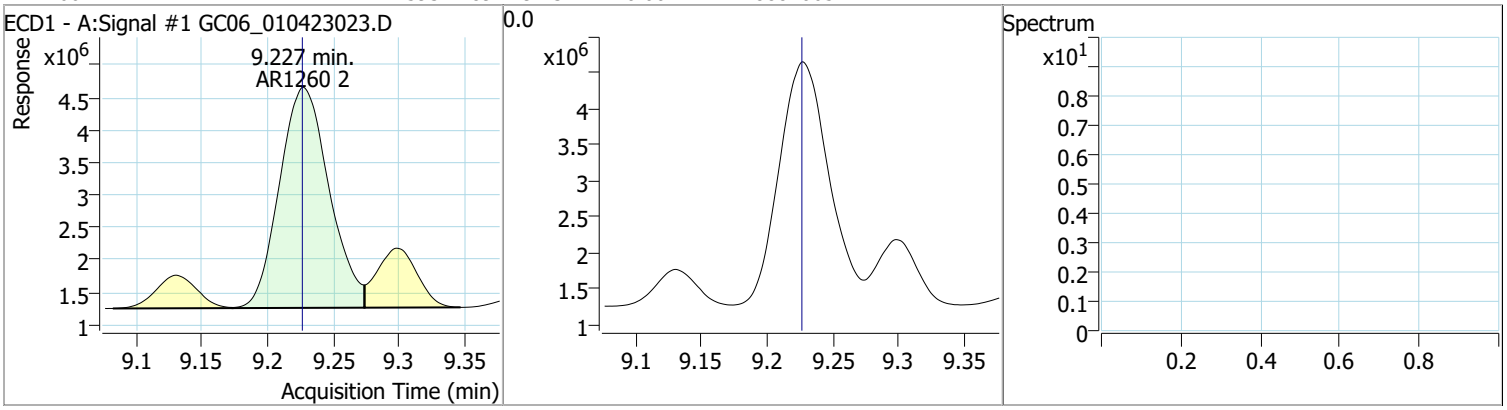
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1747.0484	7.83	0.00	14335976				



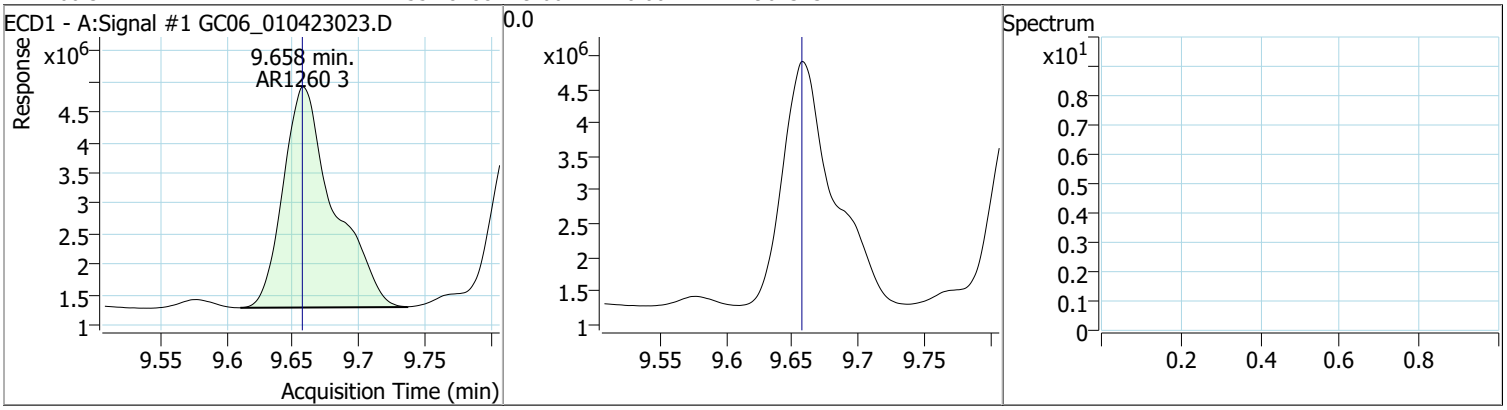
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1478.2159	8.74	0.00	5916942				



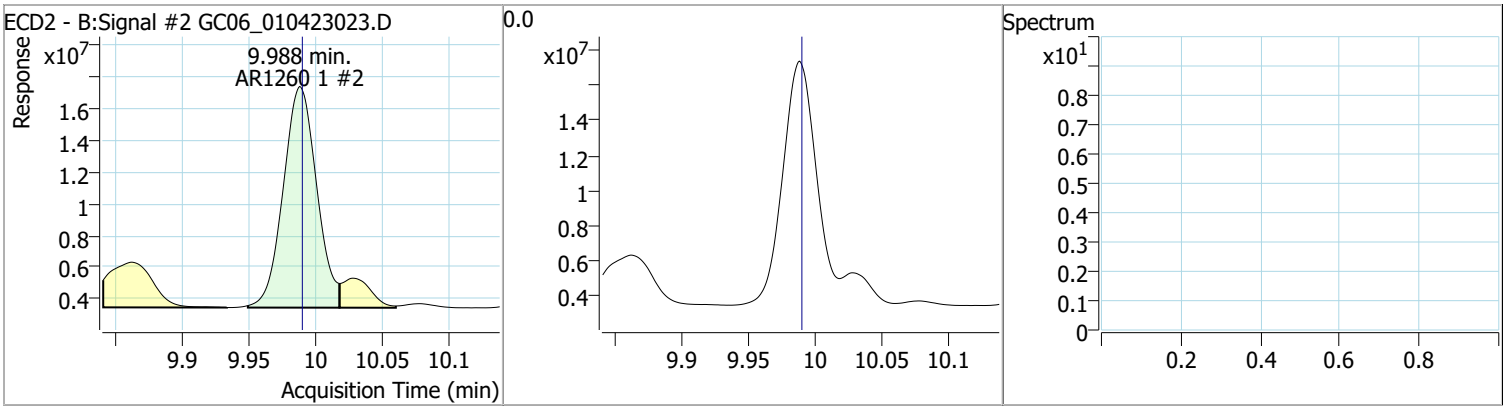
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1593.1489	9.23	0.00	8887065				



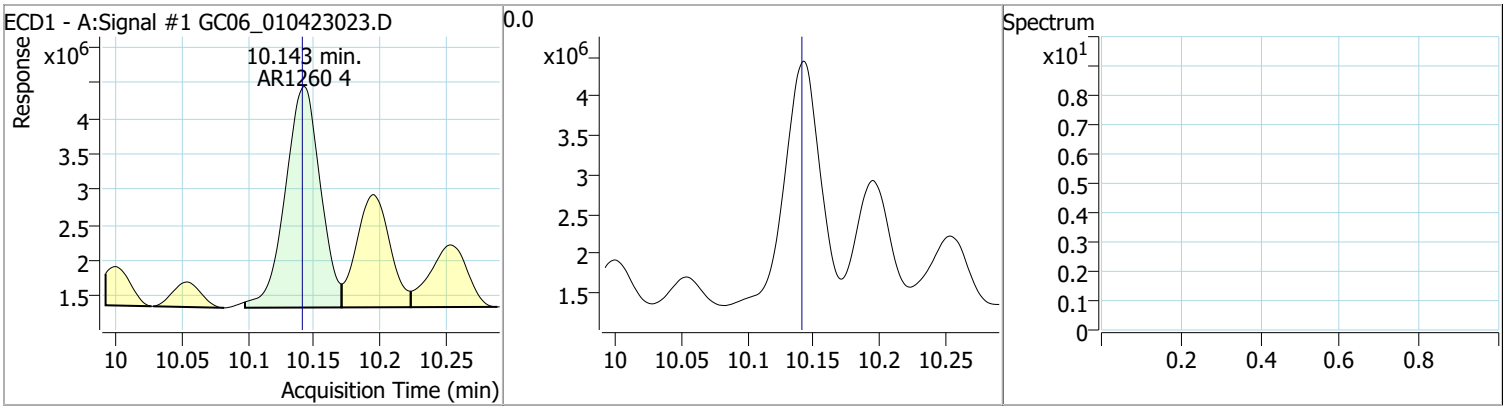
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1554.8188	9.66	0.00	9673137				



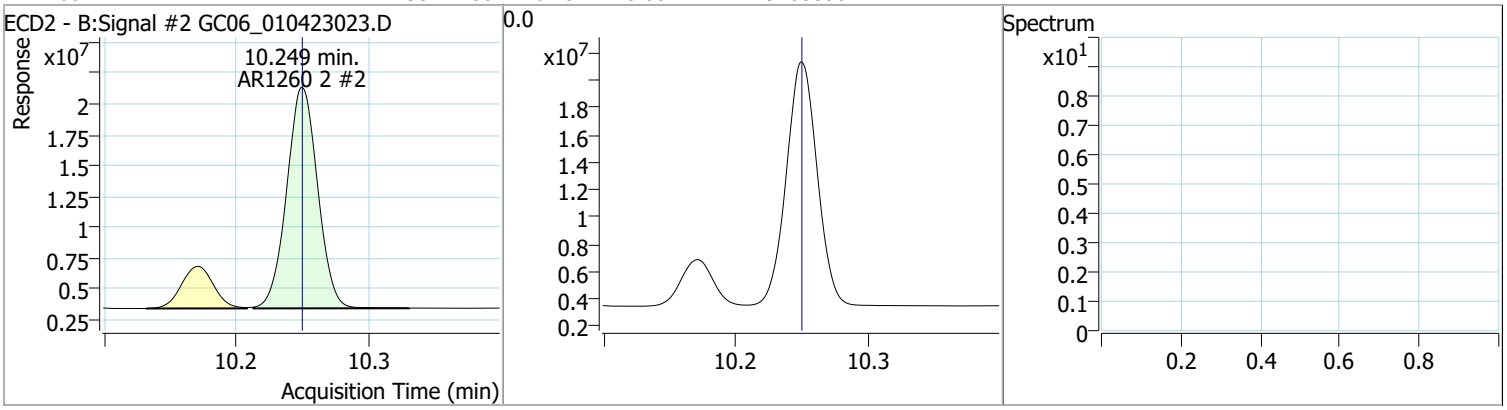
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1564.6617	9.99	0.00	24413665				



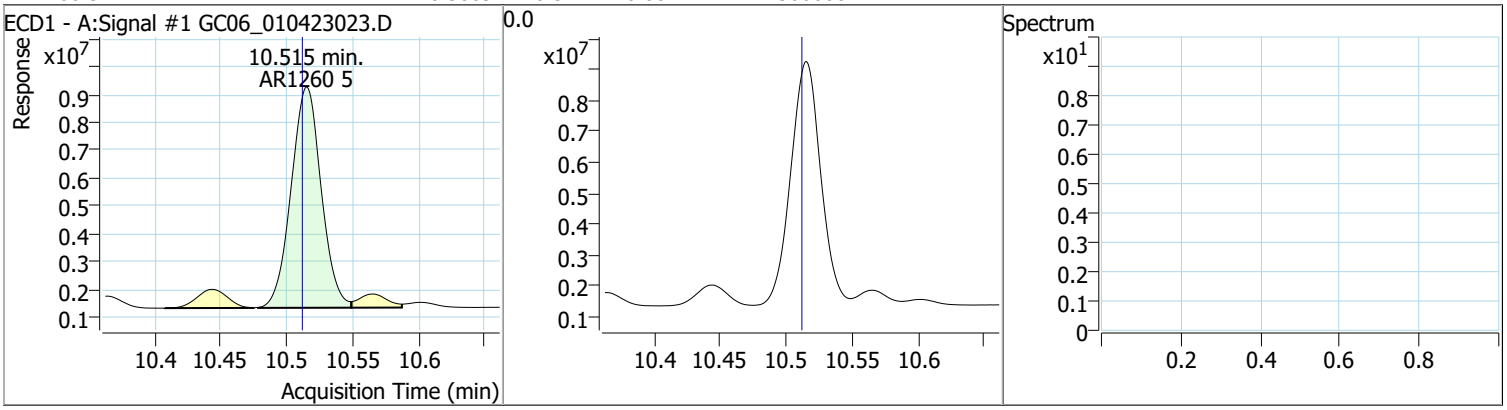
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.3240	10.14	0.00	5752912				



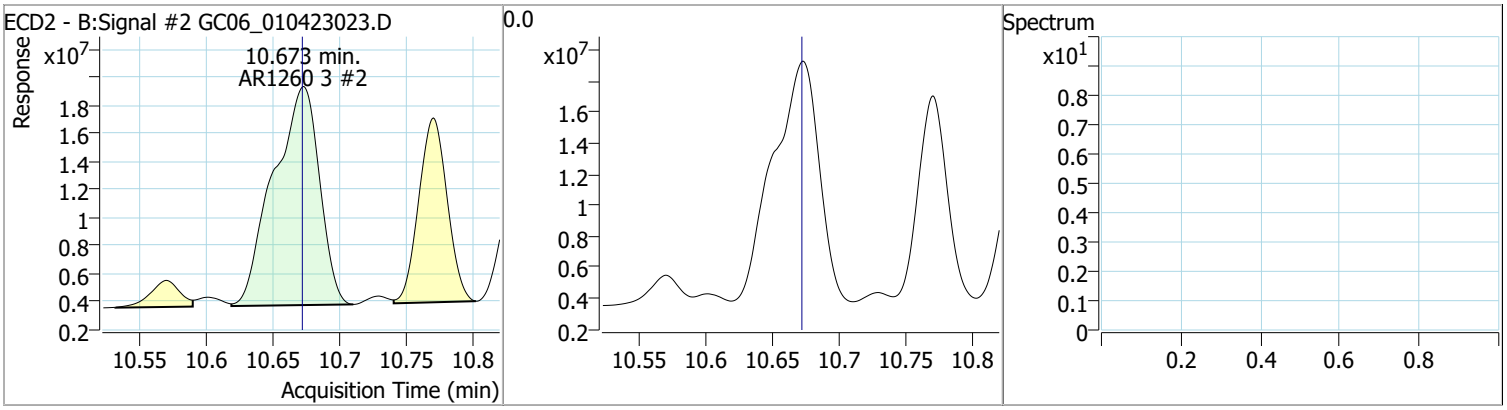
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2382.1188	10.25	0.00	29108856				



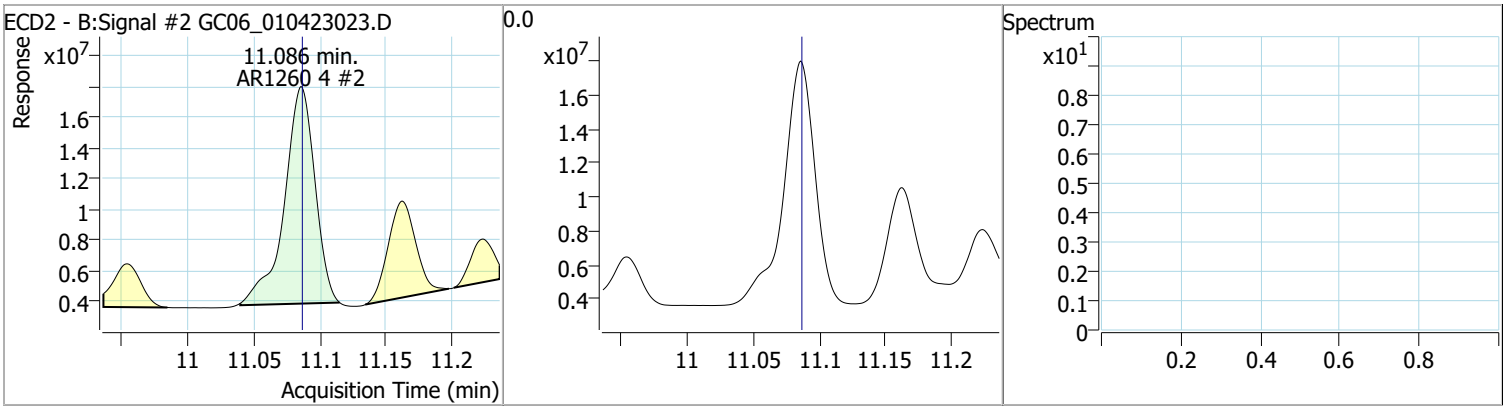
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1770.3889	10.52	0.00	12566680				



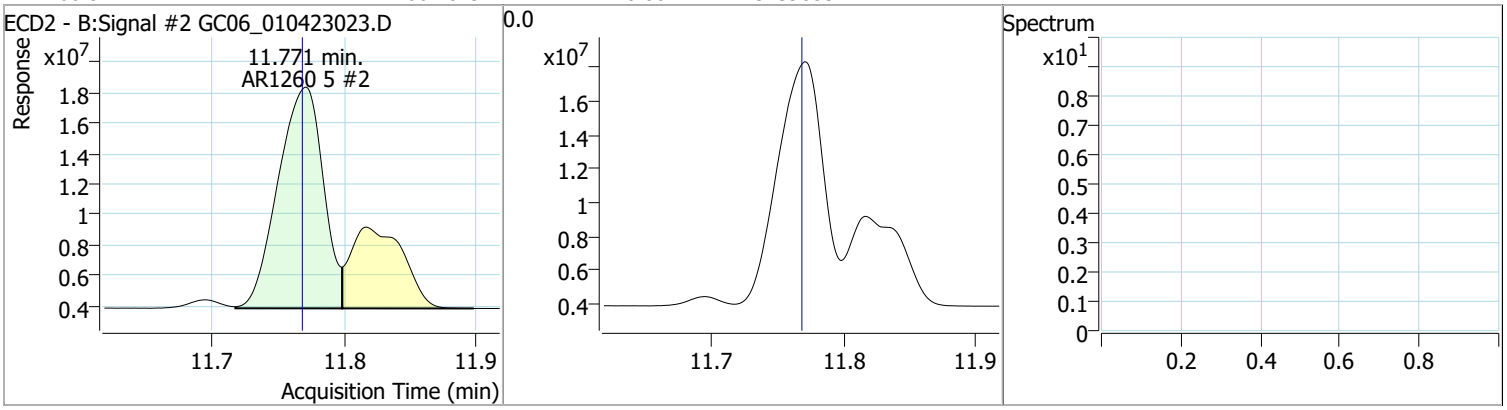
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1651.9875	10.67	0.00	37614029				



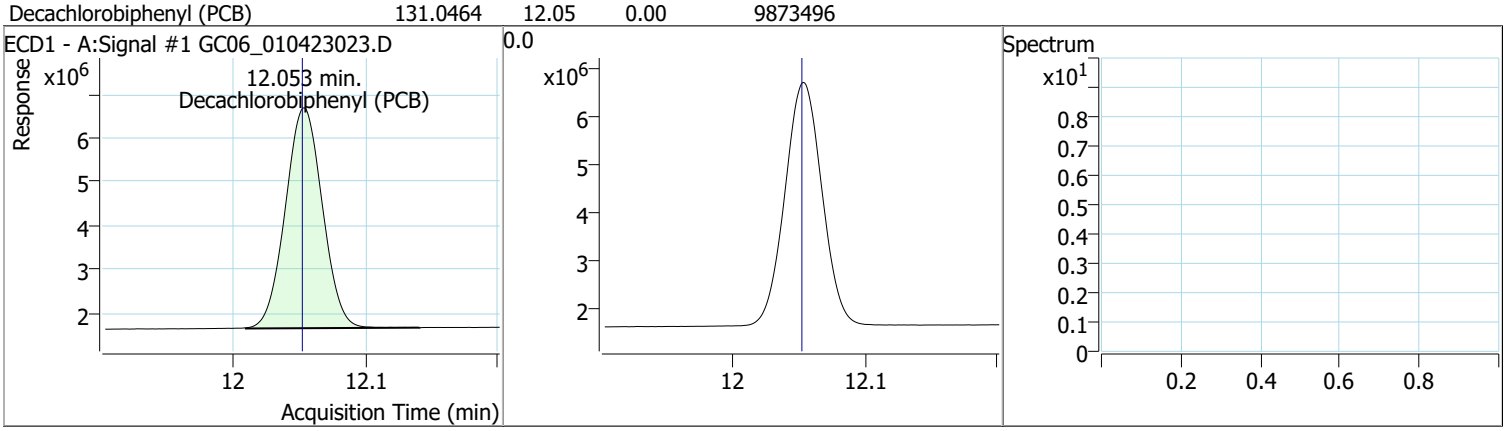
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1822.0052	11.09	0.00	22805800				



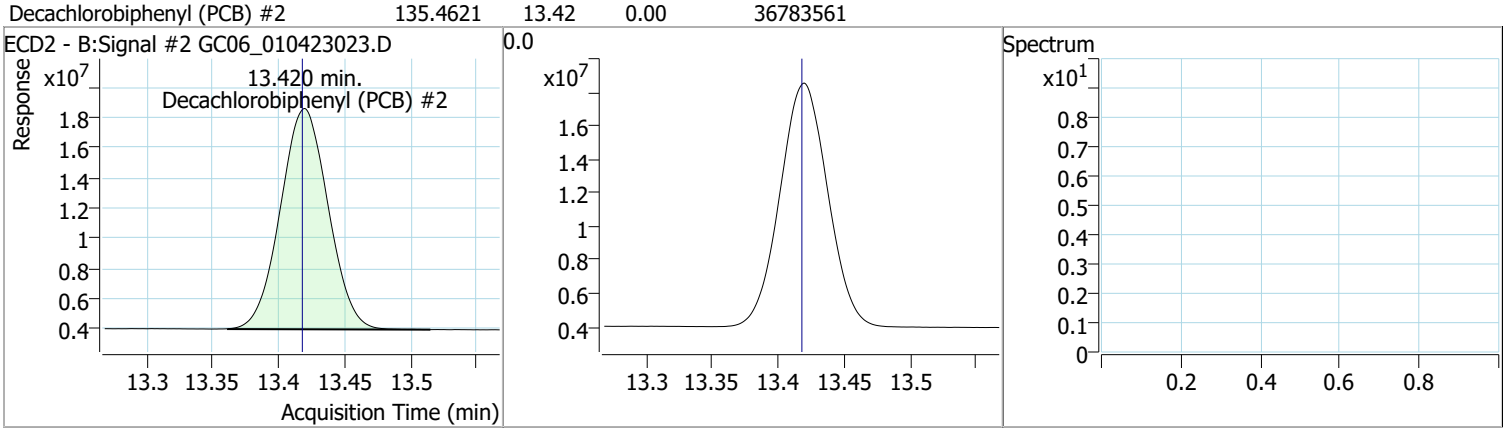
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1667.8194	11.77	0.00	34390537				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	131.0464	12.05	0.00	9873496				

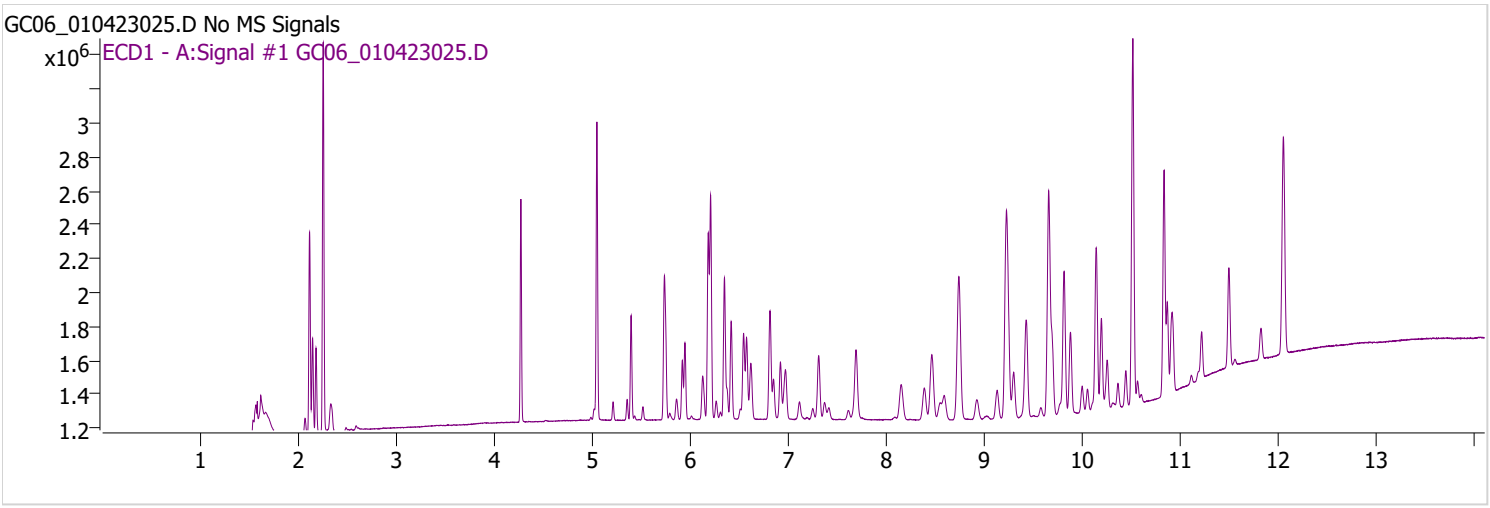


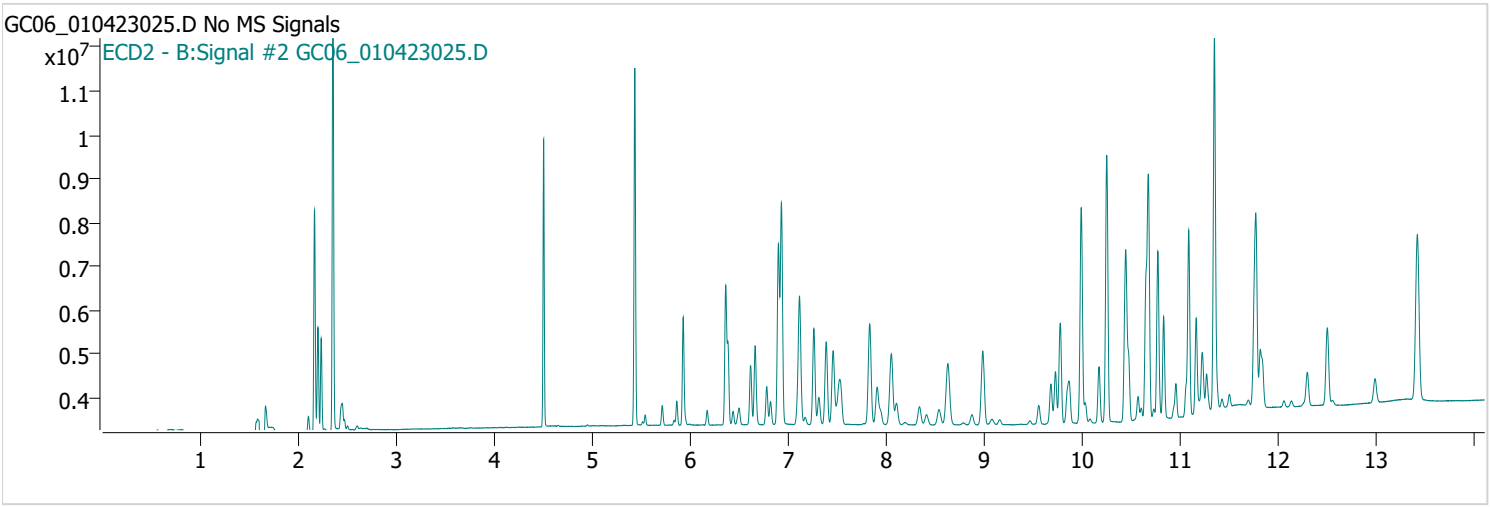
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	135.4621	13.42	0.00	36783561				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 6:53:02 PM
Sample Name	ICAL, S17806	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



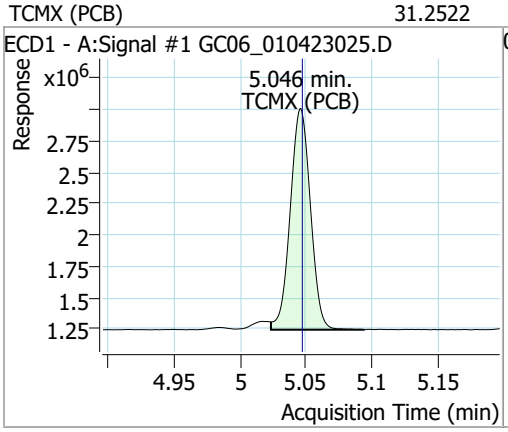


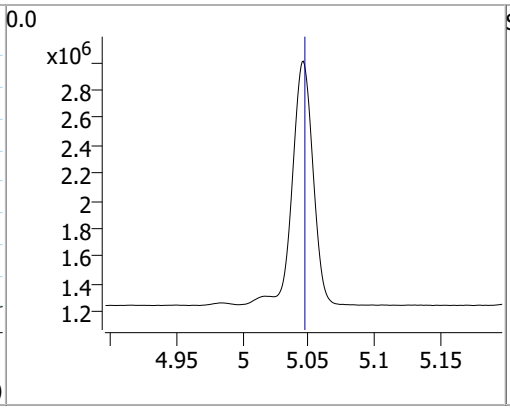
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1207218.788	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.503	0.0	5646289.934	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	1869554.105	31.2522	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.26%		*	
S TCMX (PCB) #2	5.433	0.0	8715259.383	31.9180	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.59%		*	
S Decachlorobiphenyl (PCB)	12.052	0.0	2543618.322	30.2376	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.19%		*	
S Decachlorobiphenyl (PCB) #2	13.419	0.0	9441389.345	30.8036	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.02%		*	
Target Compounds							QValue

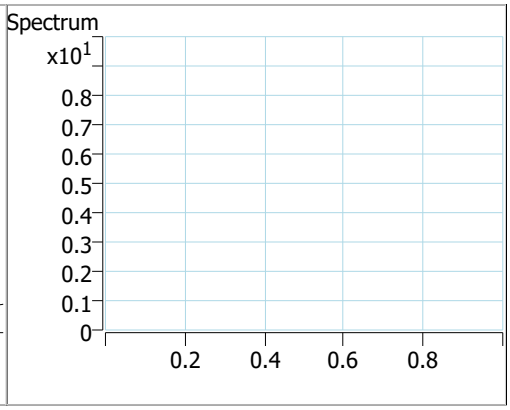
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.395	0.0	685791.460	498.4217	ng/ml		100
T AR1016 2	5.735	0.0	1449355.881	570.0279	ng/ml		100
T AR1016 1 #2	5.927	0.0	3111671.321	498.9028	ng/ml		100
T AR1016 3	6.206	0.0	1716763.084	498.3229	ng/ml		100
T AR1016 4	6.348	0.0	1165675.544	530.4630	ng/ml	m	100
T AR1016 2 #2	6.361	0.0	4579779.208	509.1909	ng/ml	m	100
T AR1016 5	6.543	0.0	760646.708	527.2051	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	8089218.742	510.8386	ng/ml		100
T AR1016 4 #2	7.113	0.0	5905485.482	511.0531	ng/ml		100
T AR1016 5 #2	7.830	0.0	4759248.422	513.8283	ng/ml		100
T AR1260 1	8.740	0.0	2114317.220	473.0997	ng/ml		100
T AR1260 2	9.226	0.0	3214030.729	526.7636	ng/ml		100
T AR1260 3	9.657	0.0	3489865.349	502.4156	ng/ml		100
T AR1260 1 #2	9.988	0.0	8562036.479	486.1457	ng/ml		100
T AR1260 4	10.142	0.0	1729839.736	473.0039	ng/ml		100
T AR1260 2 #2	10.249	0.0	10162235.638	566.7077	ng/ml		100
T AR1260 5	10.516	0.0	3541902.567	446.9168	ng/ml		100
T AR1260 3 #2	10.673	0.0	13332436.787	518.7623	ng/ml		100
T AR1260 4 #2	11.086	0.0	6695022.524	473.8690	ng/ml		100
T AR1260 5 #2	11.770	0.0	9991759.359	429.2932	ng/ml		100

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

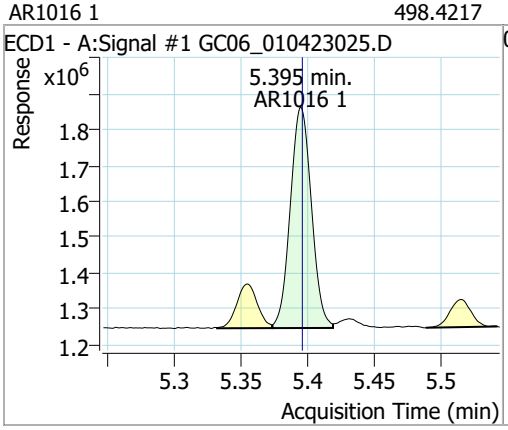
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.2522	5.05	0.00	1869554				

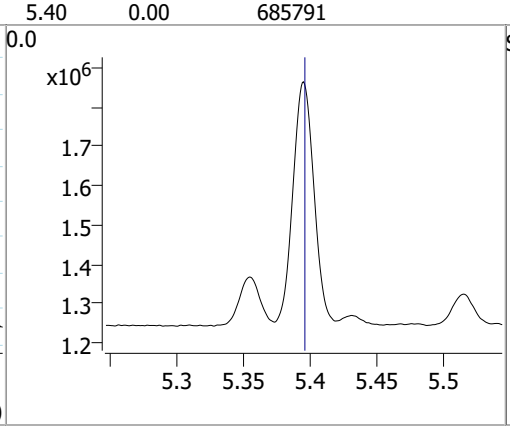


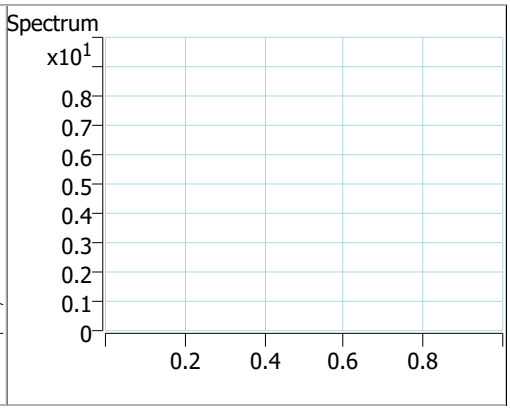




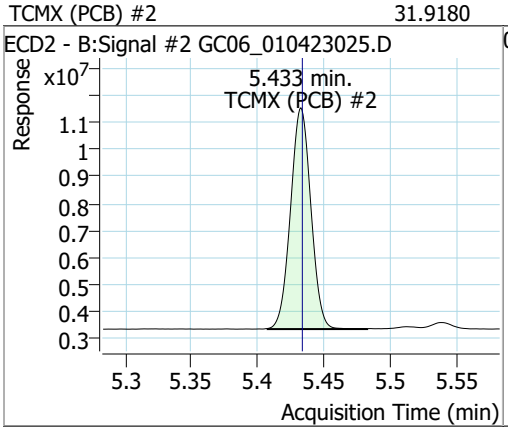
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	498.4217	5.40	0.00	685791				

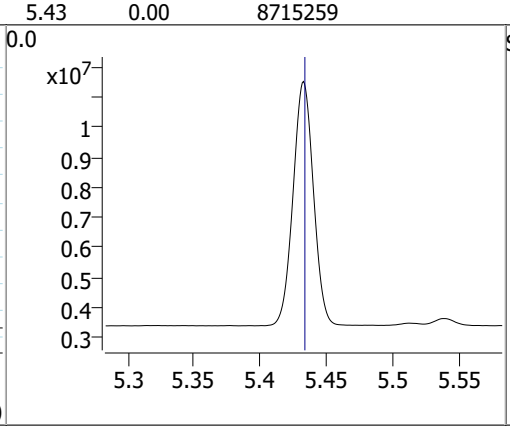


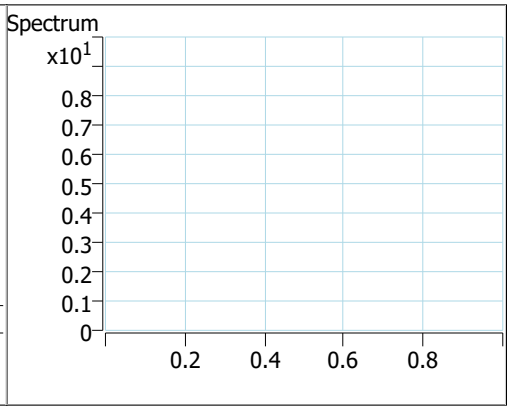




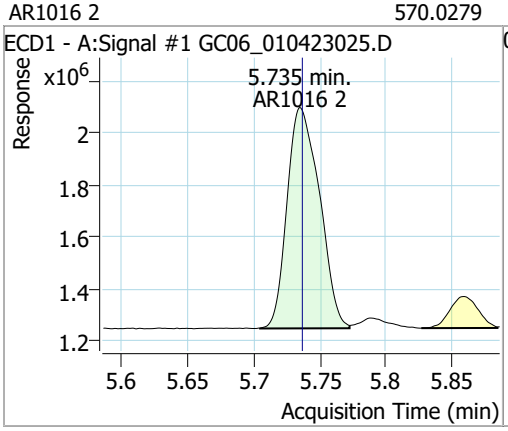
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.9180	5.43	0.00	8715259				

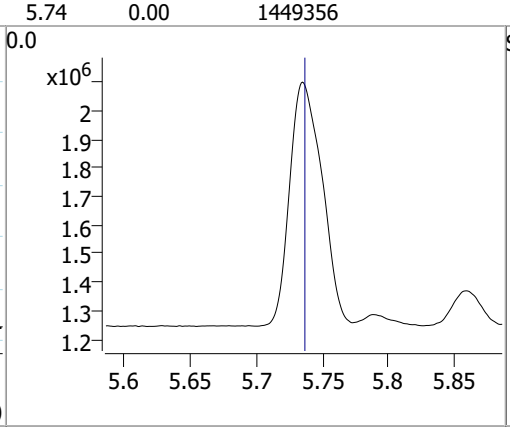


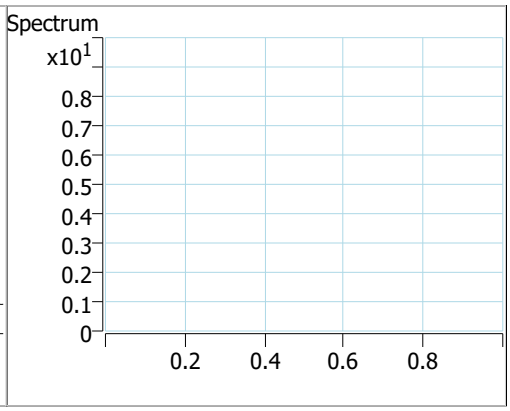




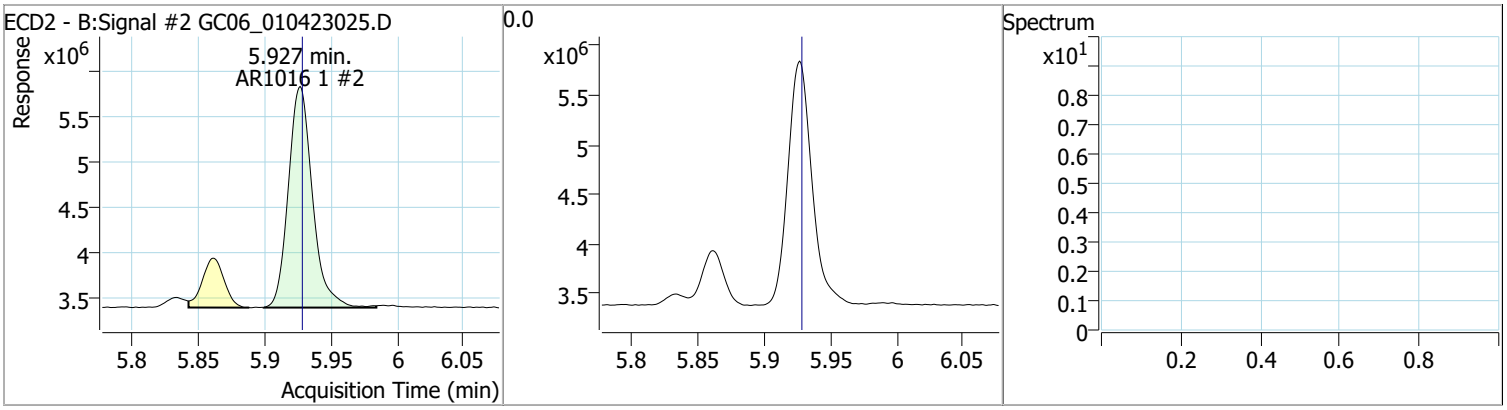
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	570.0279	5.74	0.00	1449356				



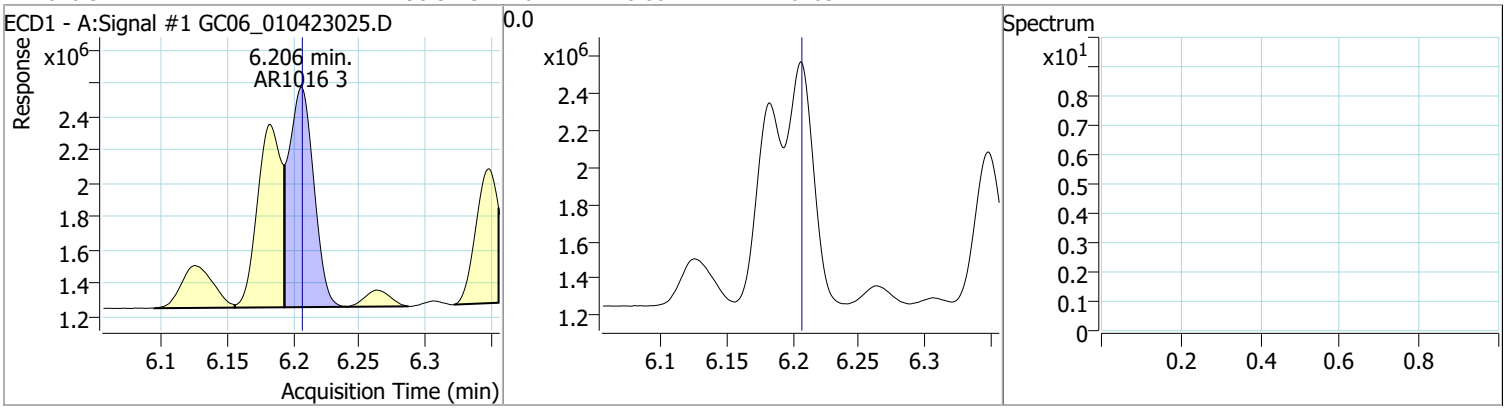




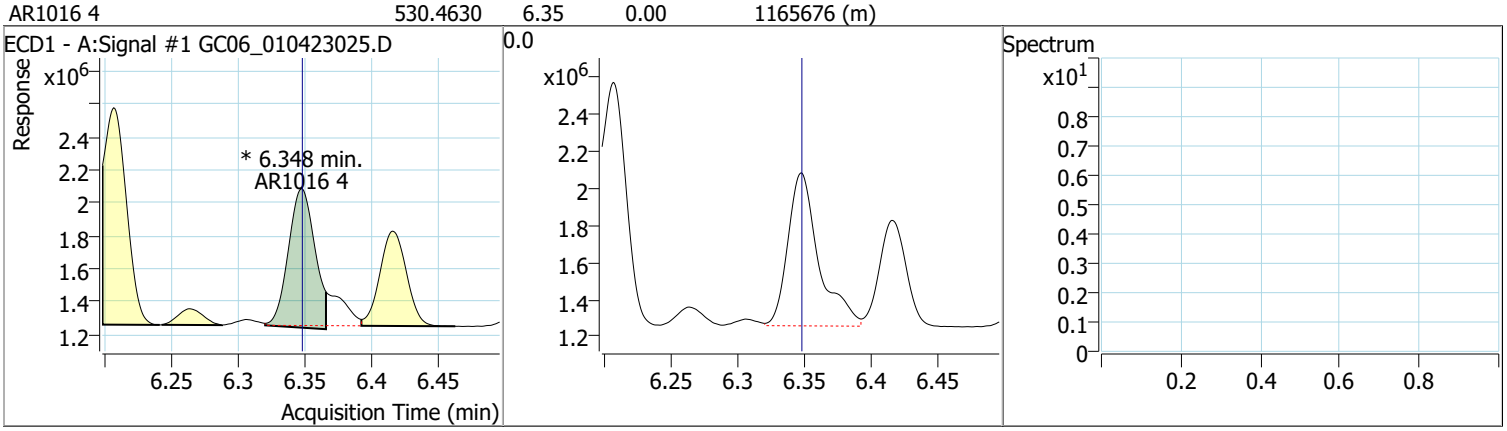
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	498.9028	5.93	0.00	3111671				



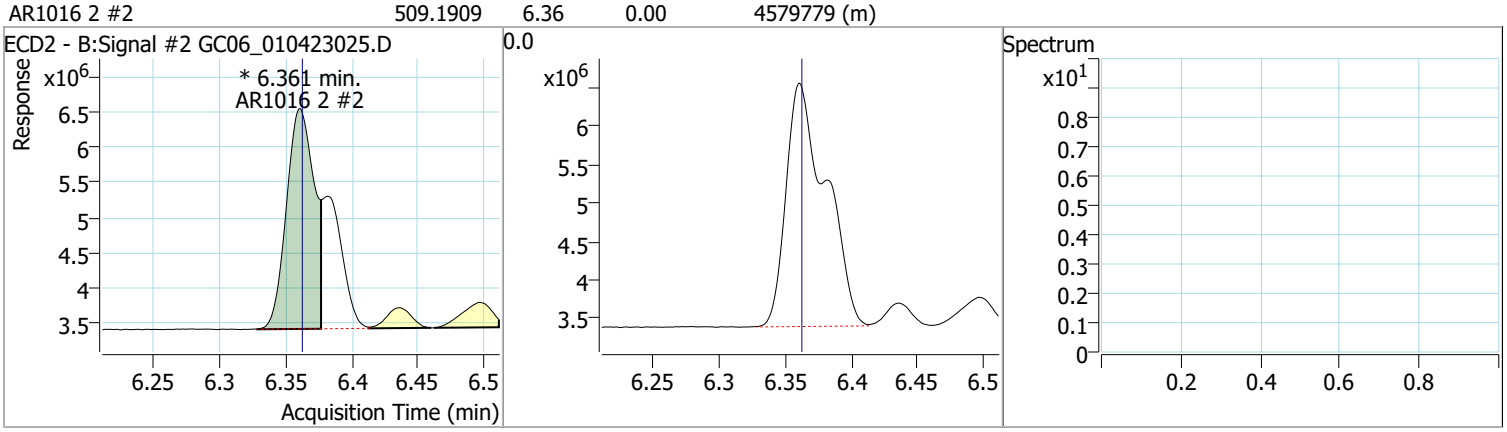
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.3229	6.21	0.00	1716763				



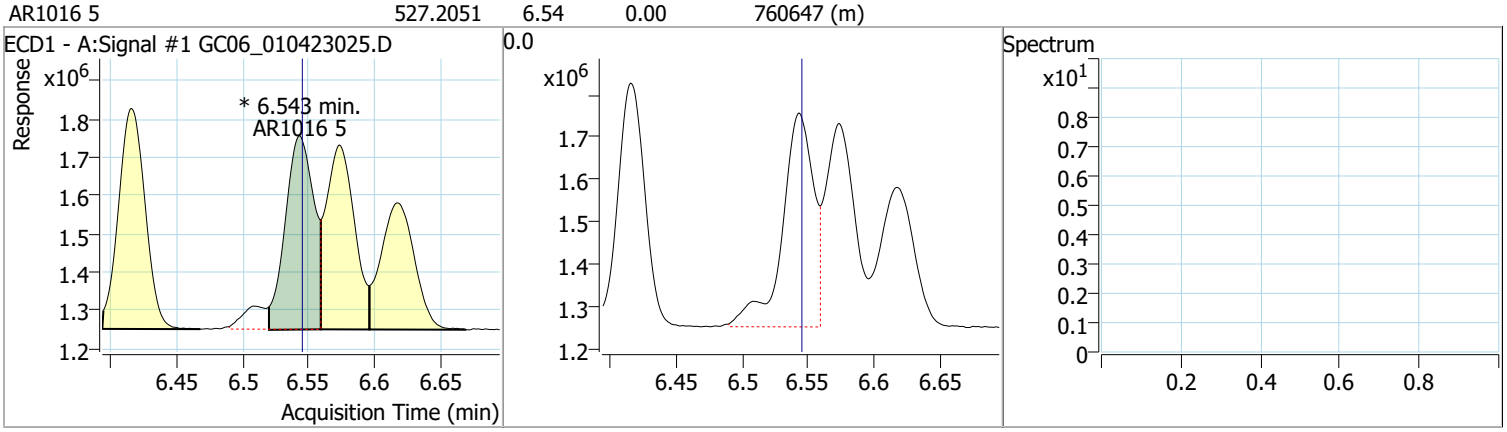
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	530.4630	6.35	0.00	1165676 (m)				



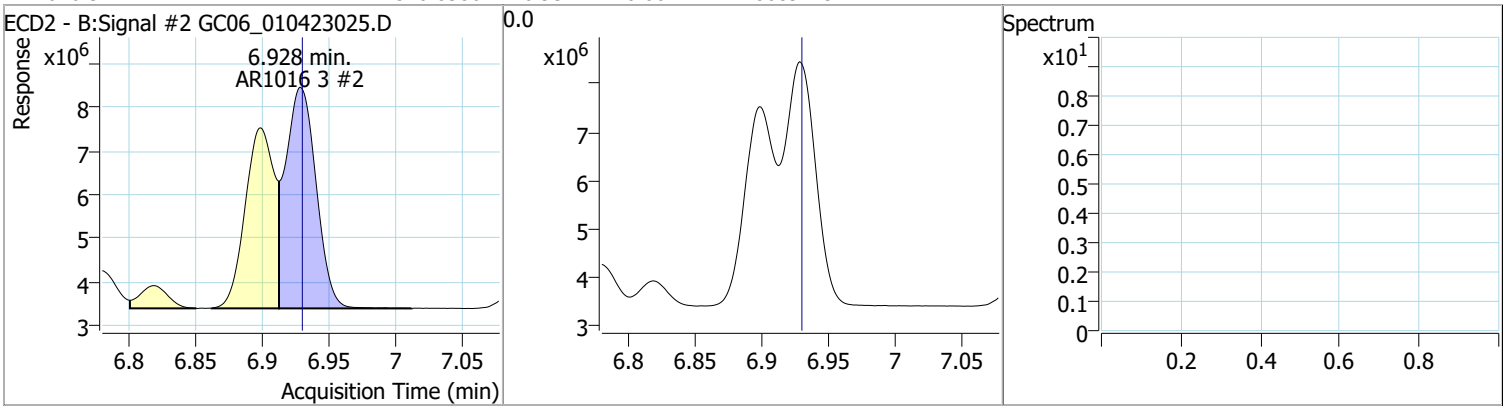
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	509.1909	6.36	0.00	4579779 (m)				



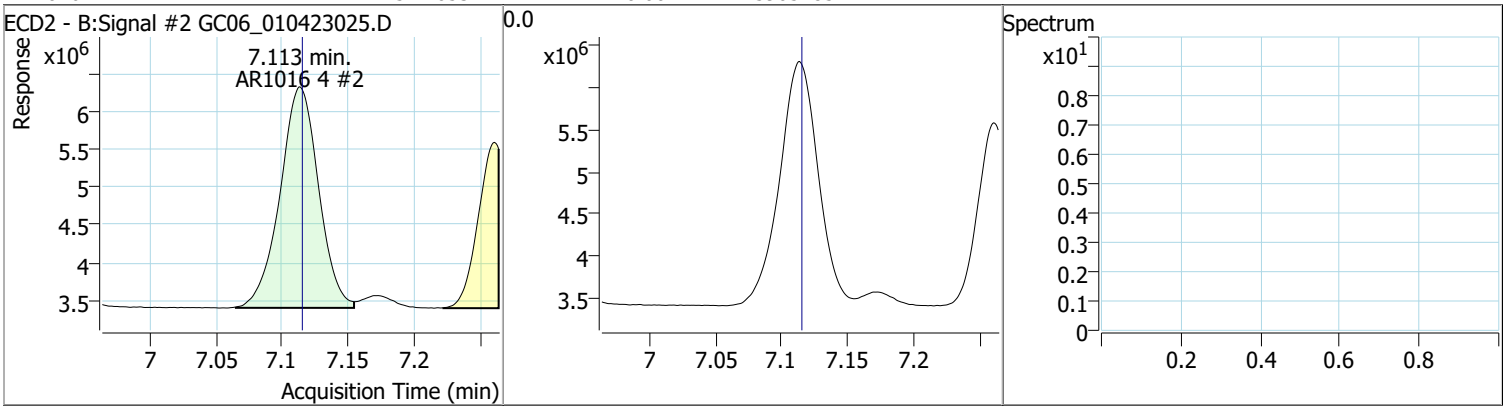
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	527.2051	6.54	0.00	760647 (m)				



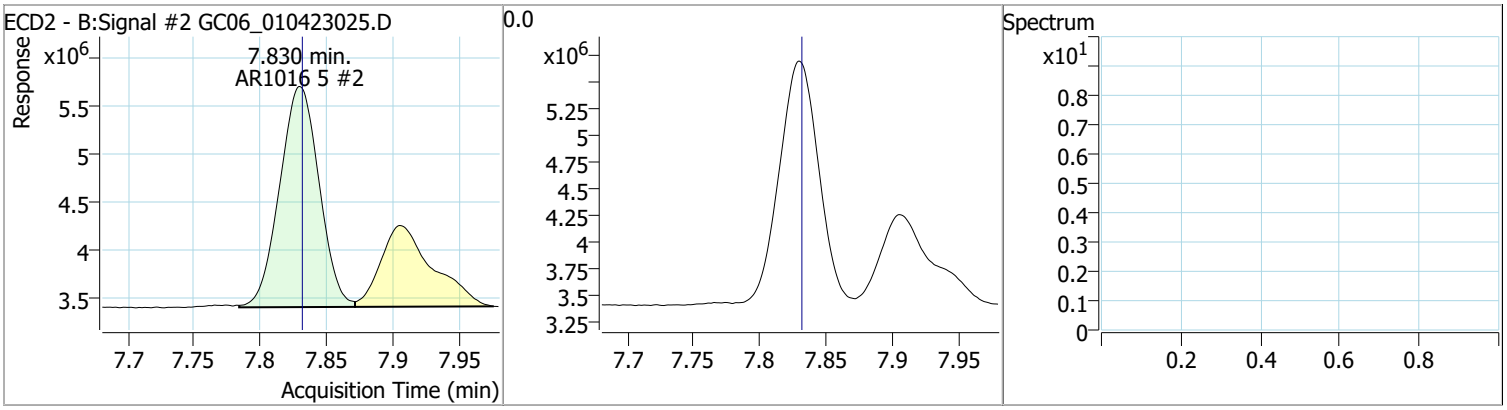
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	510.8386	6.93	0.00	8089219				



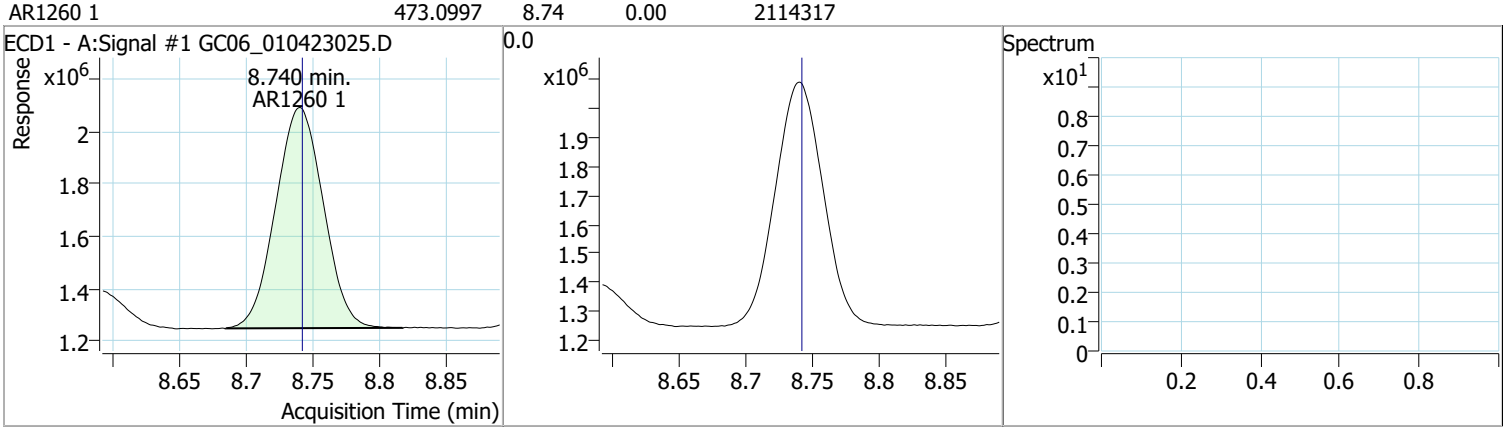
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	511.0531	7.11	0.00	5905485				



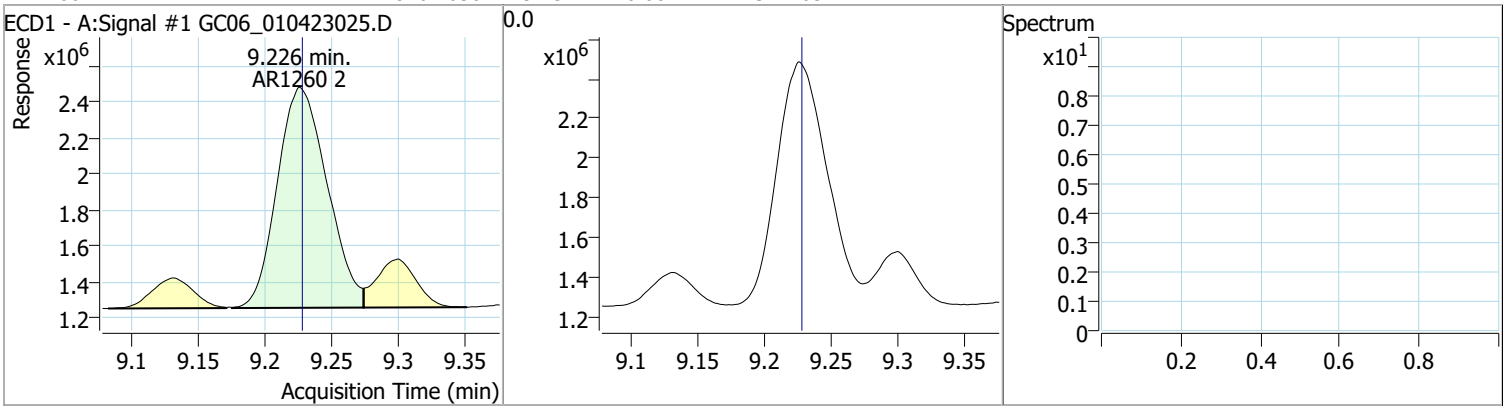
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	513.8283	7.83	0.00	4759248				



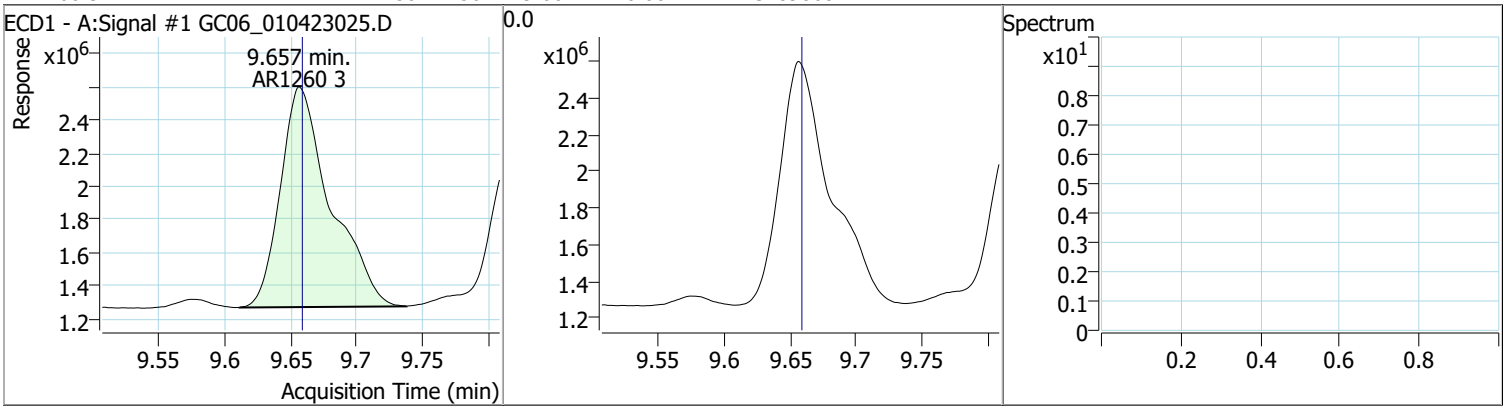
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	473.0997	8.74	0.00	2114317				



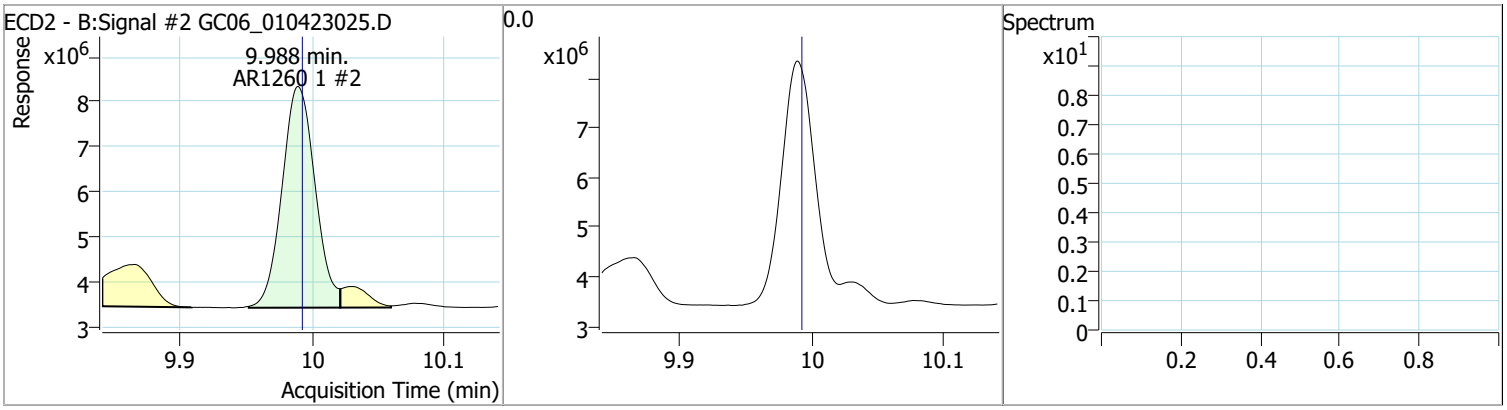
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	526.7636	9.23	0.00	3214031				



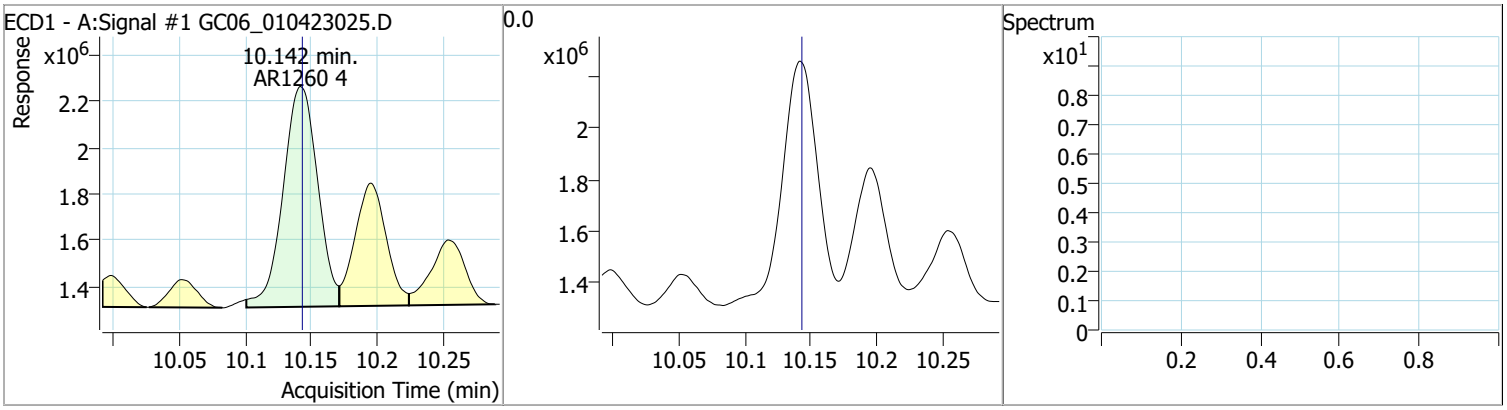
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	502.4156	9.66	0.00	3489865				



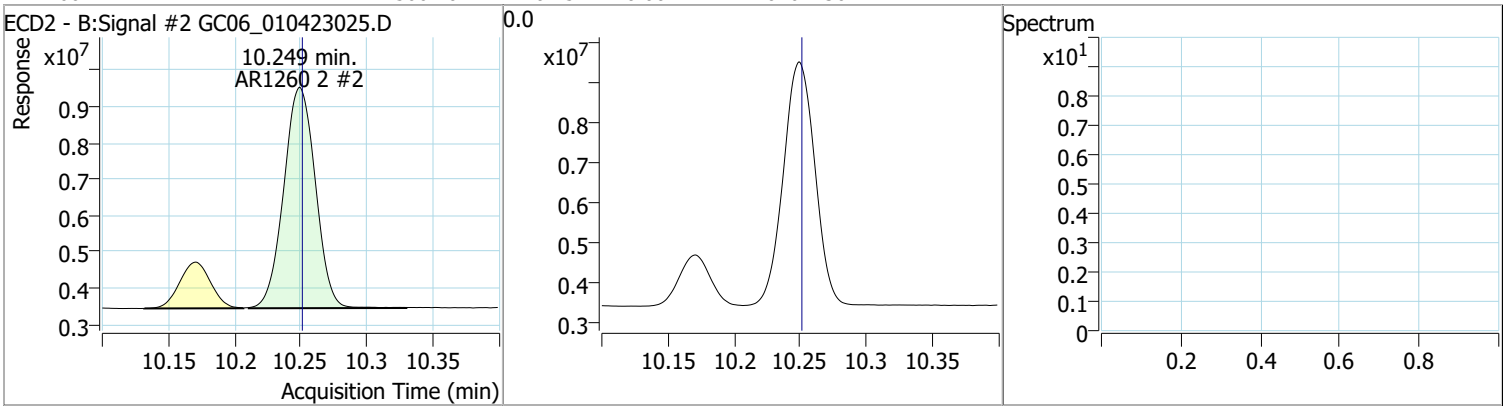
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	486.1457	9.99	0.00	8562036				



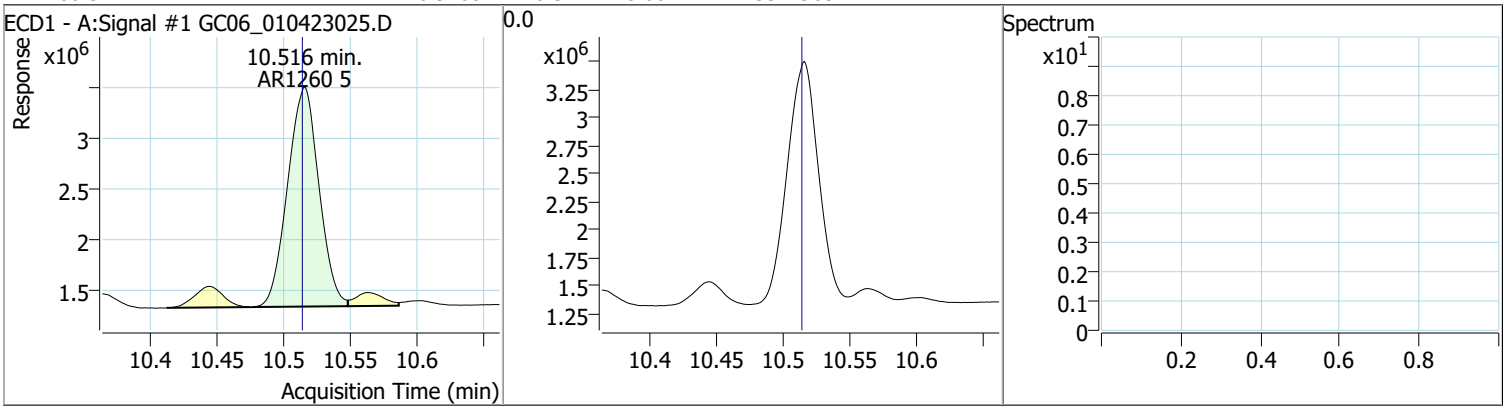
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	473.0039	10.14	0.00	1729840				



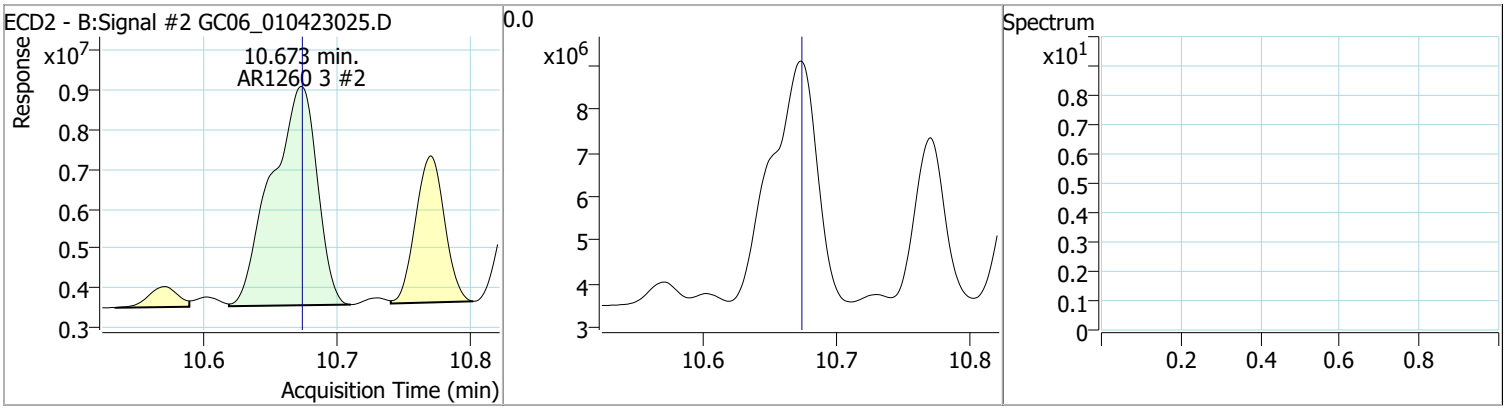
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	566.7077	10.25	0.00	10162236				



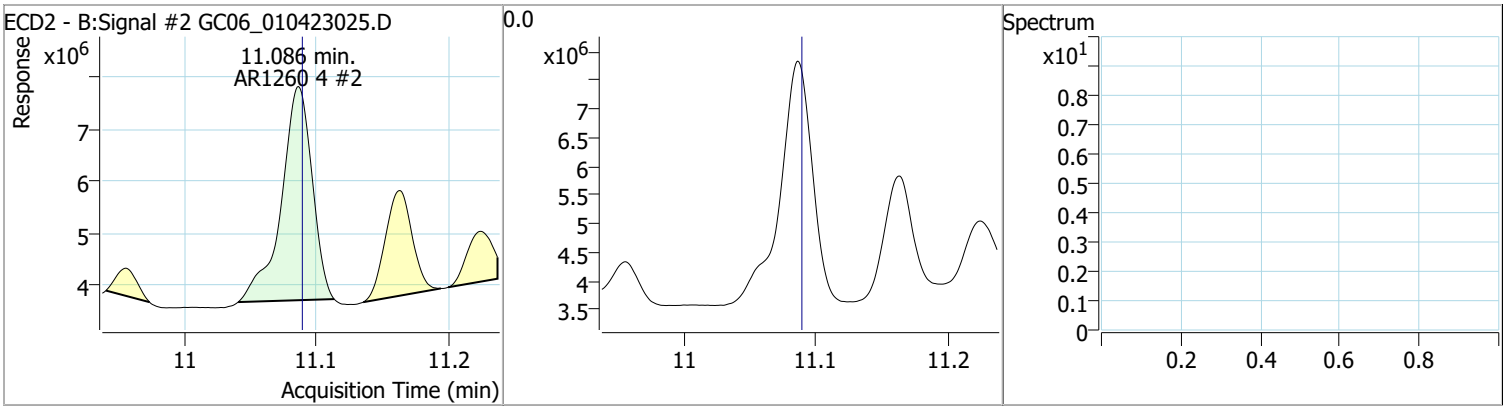
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	446.9168	10.52	0.00	3541903				



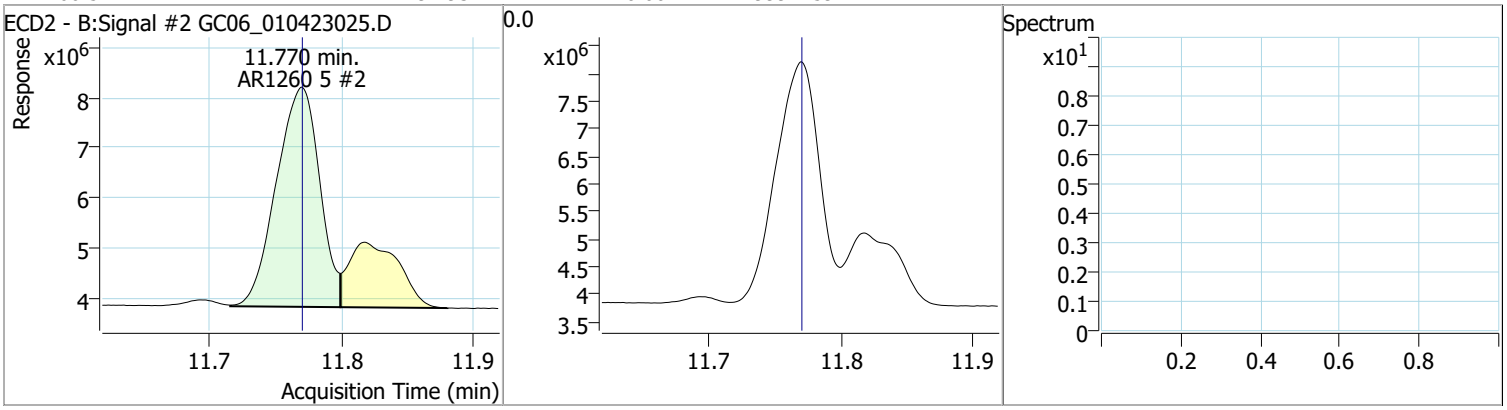
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	518.7623	10.67	0.00	13332437				



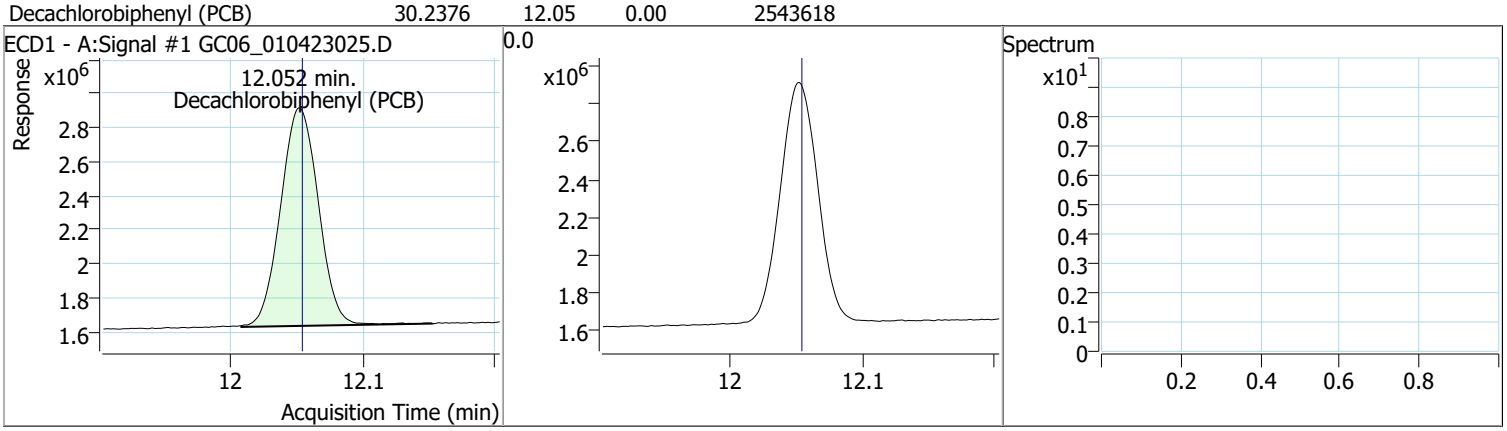
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.8690	11.09	0.00	6695023				



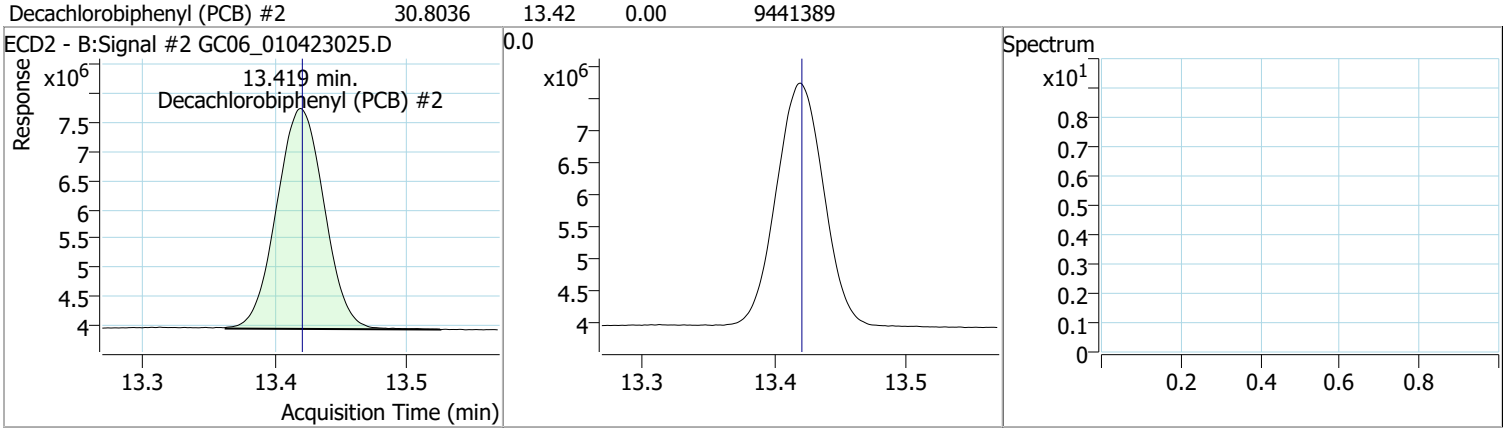
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	429.2932	11.77	0.00	9991759				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.2376	12.05	0.00	2543618				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.8036	13.42	0.00	9441389				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 478361 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453048221004	File:	gc06_020223004	Time:	02-FEB-2023 12:18
Cal:	453006691001	Caldate:	04-JAN-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	532.0	ug/L	6	15	0.0000	
Aroclor-1260	A			500.0	480.8	ug/L	-4	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3936	1.5954	40.00	45.79	ug/L	14	15	0.0000	
TCMX (PCB)	A	0.9911	0.9883	40.00	39.89	ug/L	0	15	0.0000	
Aroclor-1016	B			500.0	518.2	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	548.0	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0857	1.2924	40.00	47.61	ug/L	**19**	15	0.0000	c+
TCMX (PCB)	B	0.9672	1.0100	40.00	41.77	ug/L	4	15	0.0000	

ISTD (ICAL gc06_010423016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5172441	8893310	71.94
1-bromo-2-nitrobenzene (PCB)	A	1108047	1973814	78.13

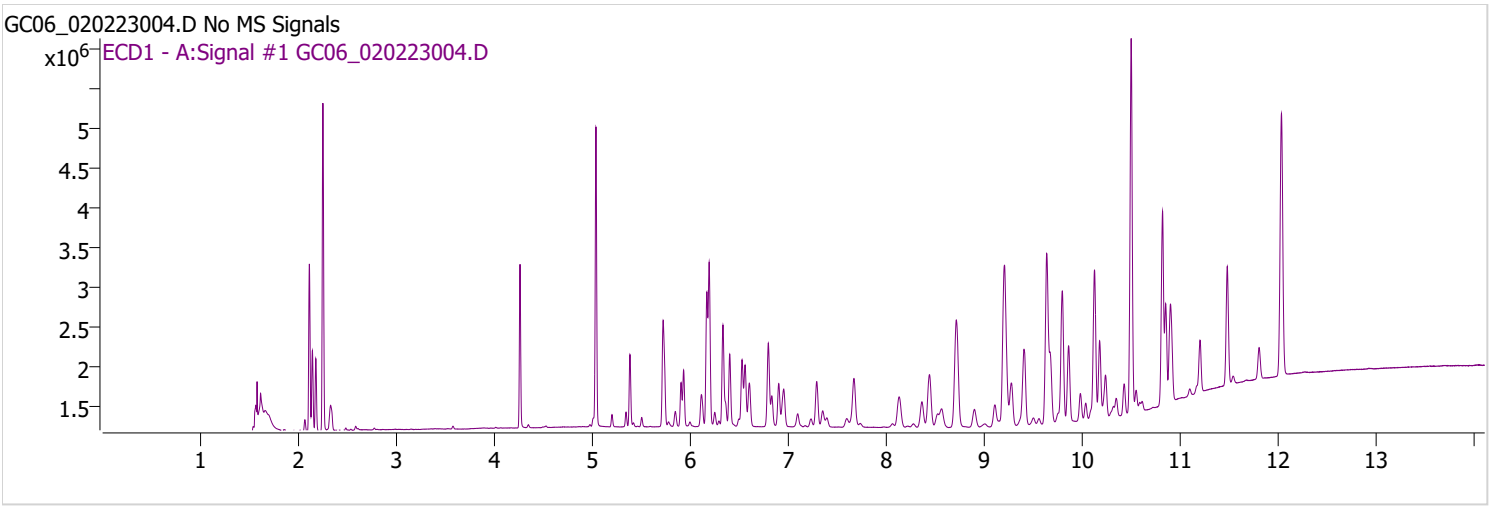
TRN 02/03/23 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

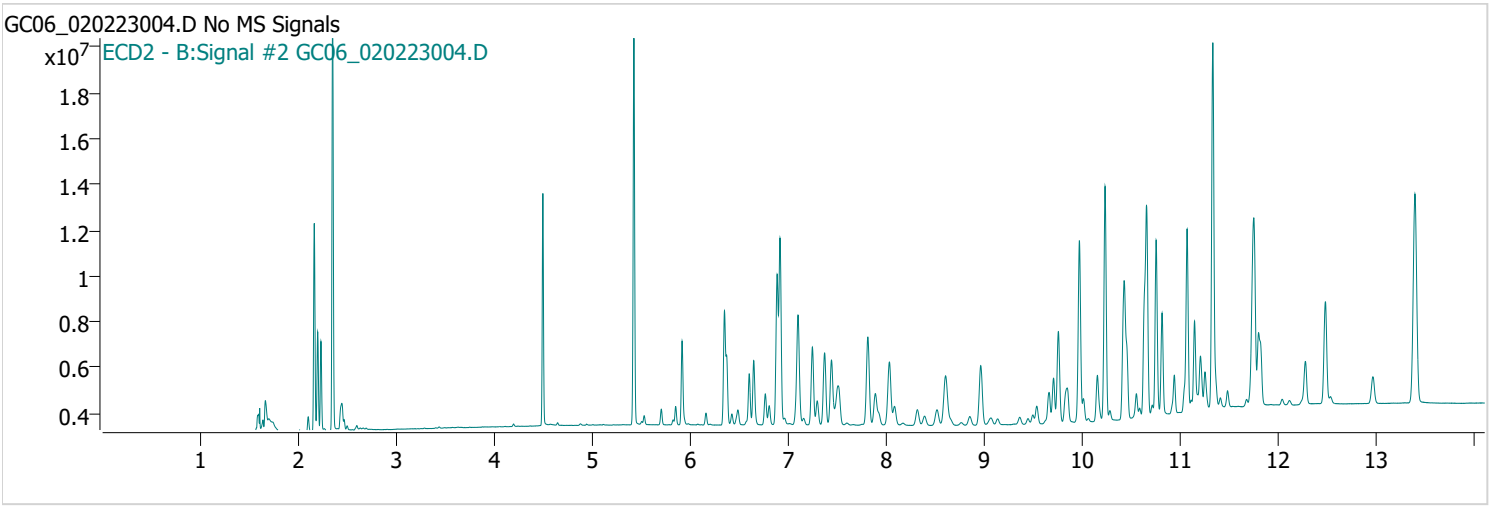
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Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020223004.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/2/2023 12:18:24 PM
Sample Name	CCV, S17896	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_8.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	022323PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



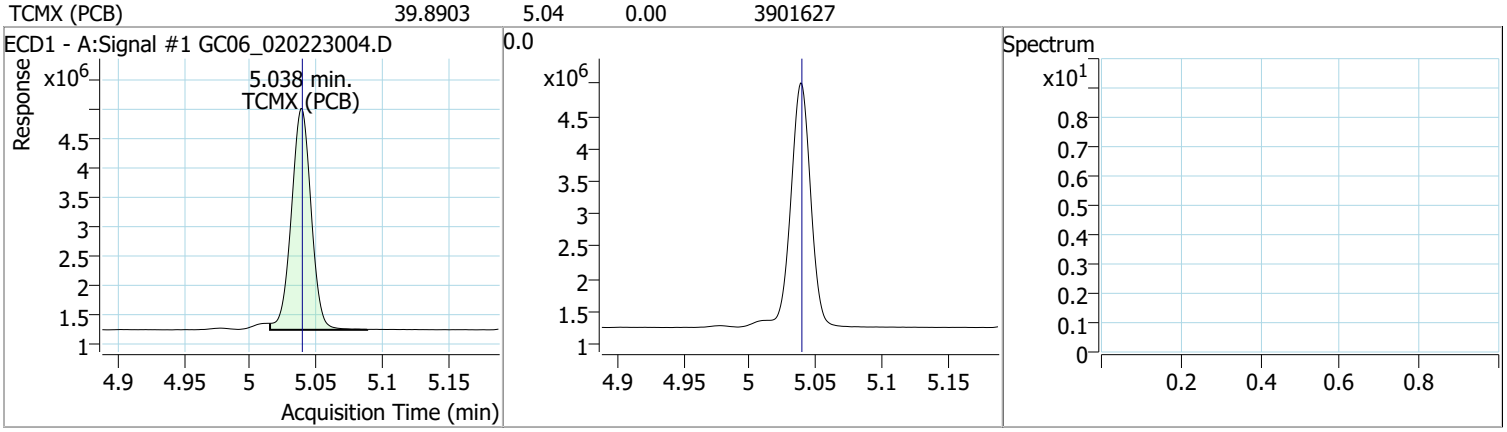


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.263	0.0	1973814.078	20.0000	ng/ml	m	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.497	0.0	8893310.120	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.038	0.0	3901627.110	39.8903	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.45%		*	
S TCMX (PCB) #2	5.426	0.0	17964243.846	41.7699	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.85%		*	
S Decachlorobiphenyl (PCB)	12.040	0.0	6297934.593	45.7903	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.95%		*	
S Decachlorobiphenyl (PCB) #2	13.403	0.0	22986577.636	47.6146	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.07%		*	
Target Compounds							QValue

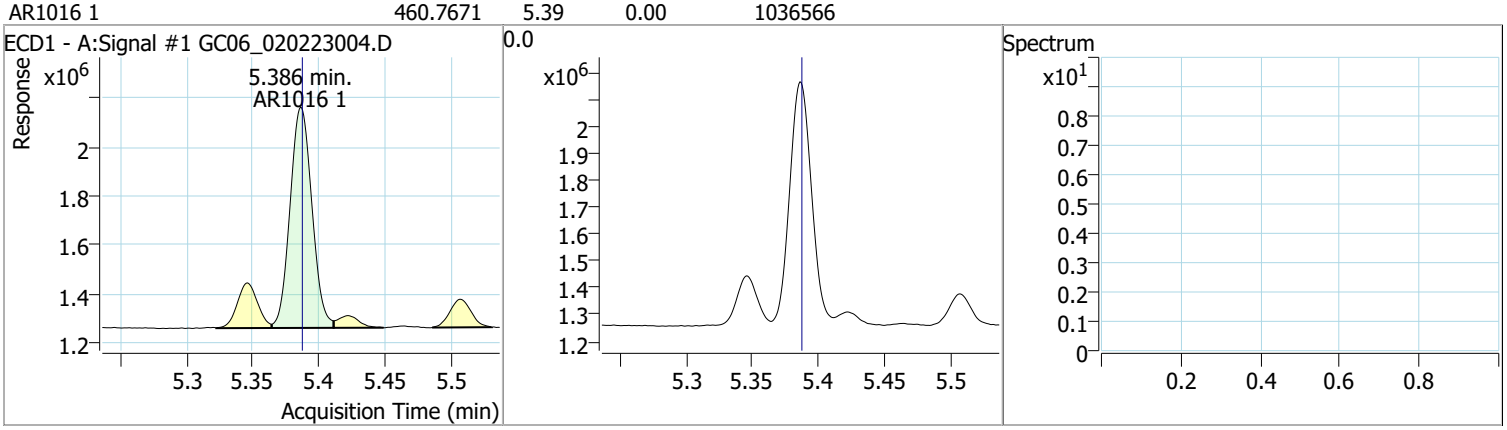
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.386	0.0	1036565.808	460.7671	ng/ml		100
T AR1016 2	5.725	0.0	2288226.830	548.5222	ng/ml		100
T AR1016 1 #2	5.918	0.0	4745534.569	483.0667	ng/ml		100
T AR1016 3	6.195	0.0	2822532.613	501.0940	ng/ml		100
T AR1016 4	6.336	0.0	2087445.876	580.9950	ng/ml		100
T AR1016 2 #2	6.352	0.0	7248241.552	511.6447	ng/ml	m	100
T AR1016 5	6.531	0.0	1341918.906	568.8564	ng/ml		100
T AR1016 3 #2	6.918	0.0	13055779.086	523.4554	ng/ml		100
T AR1016 4 #2	7.103	0.0	9571954.086	525.9092	ng/ml		100
T AR1016 5 #2	7.816	0.0	7978141.804	546.8662	ng/ml		100
T AR1260 1	8.719	0.0	3581775.060	490.1857	ng/ml		100
T AR1260 2	9.211	0.0	5289612.151	530.2361	ng/ml		100
T AR1260 3	9.643	0.0	5787890.686	509.6294	ng/ml		100
T AR1260 1 #2	9.976	0.0	13827689.339	498.4697	ng/ml		100
T AR1260 4	10.131	0.0	3427361.392	573.1899	ng/ml		100
T AR1260 2 #2	10.238	0.0	16647105.084	591.7747	ng/ml		100
T AR1260 3 #2	10.662	0.0	21339289.637	527.1552	ng/ml		100
T AR1260 5	10.826	0.0	3897897.856	300.8156	ng/ml		100
T AR1260 4 #2	11.077	0.0	12623203.395	567.2514	ng/ml		100
T AR1260 5 #2	11.758	0.0	20368837.337	555.6201	ng/ml		100

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

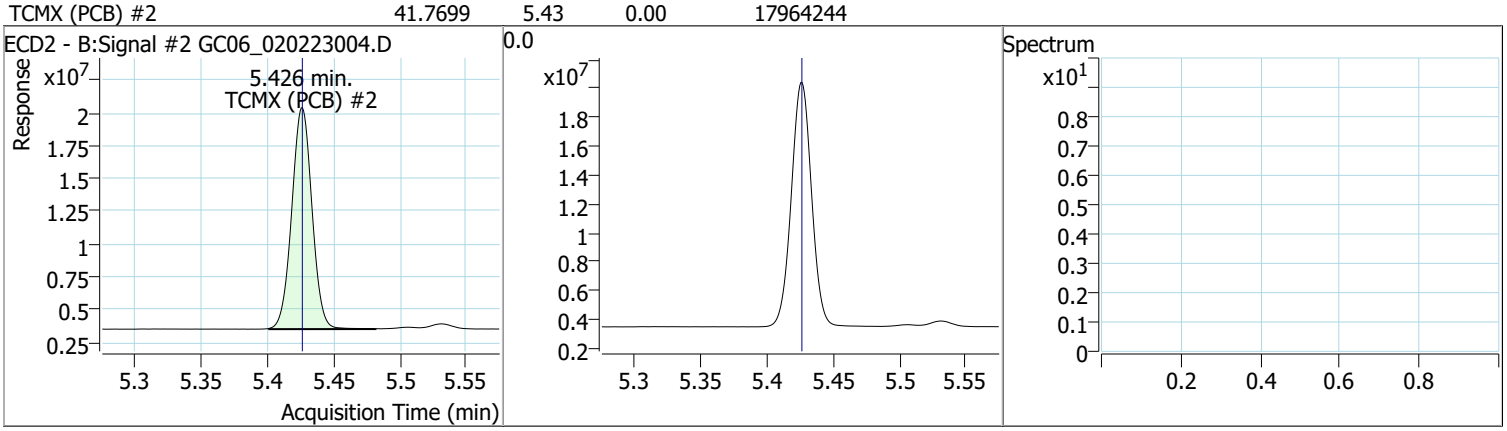
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.8903	5.04	0.00	3901627				



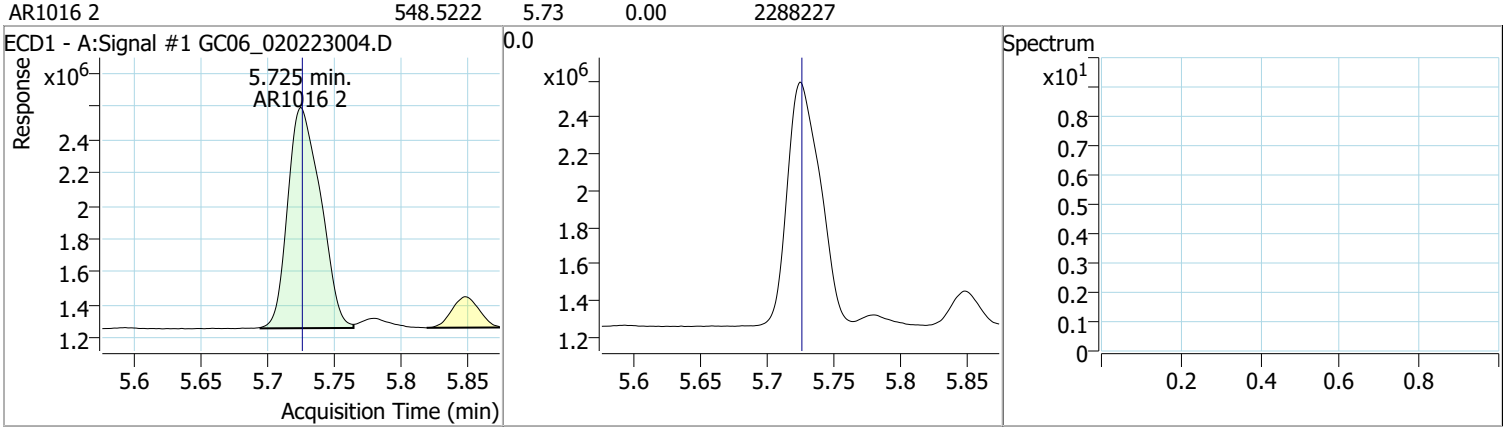
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	460.7671	5.39	0.00	1036566				



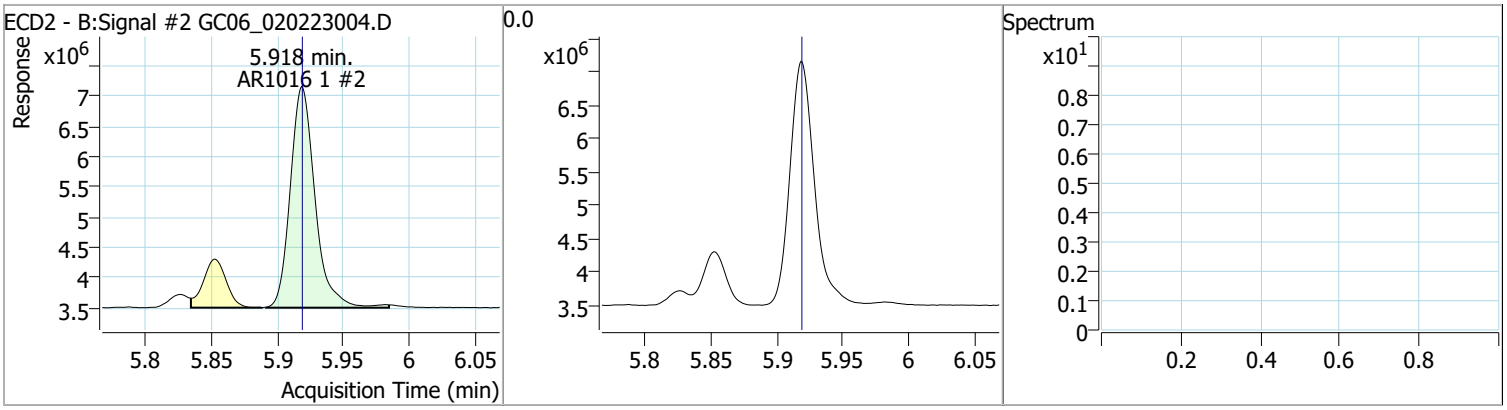
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.7699	5.43	0.00	17964244				



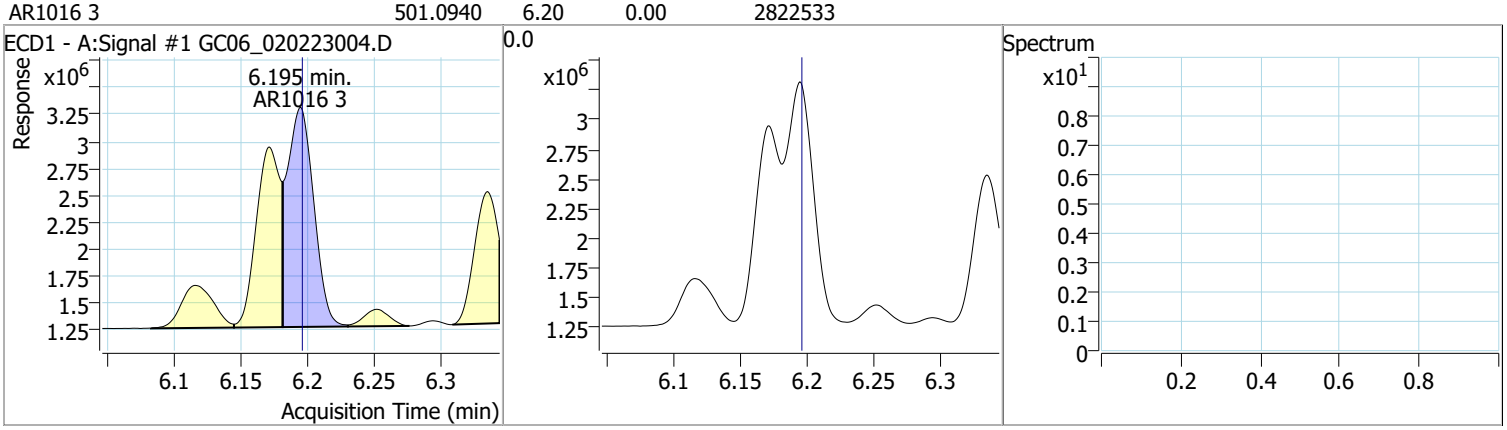
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	548.5222	5.73	0.00	2288227				



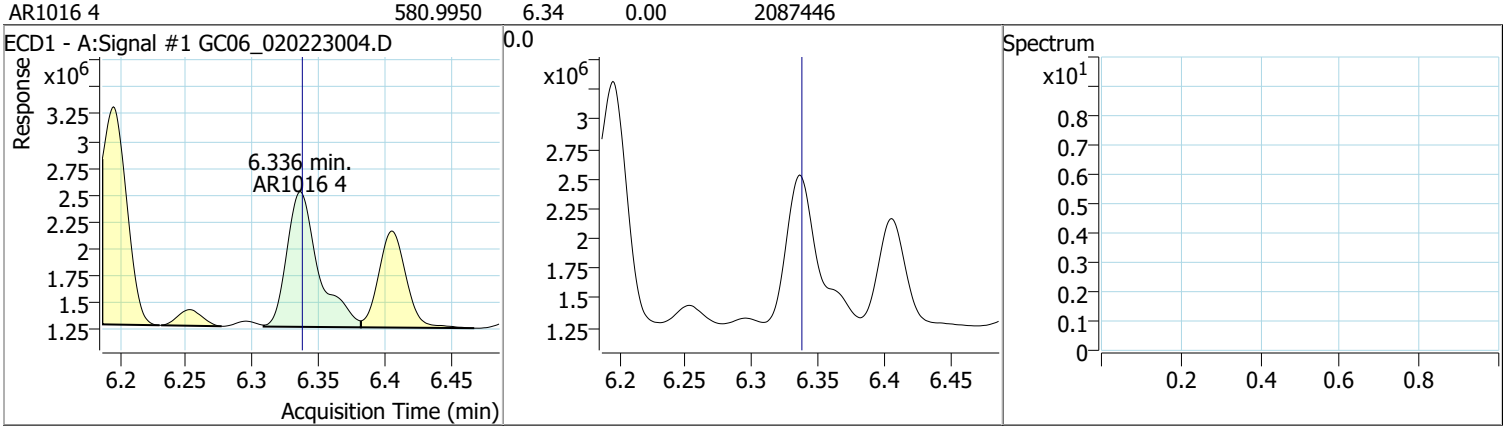
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AR1016 1 #2	483.0667	5.92	0.00	4745535				



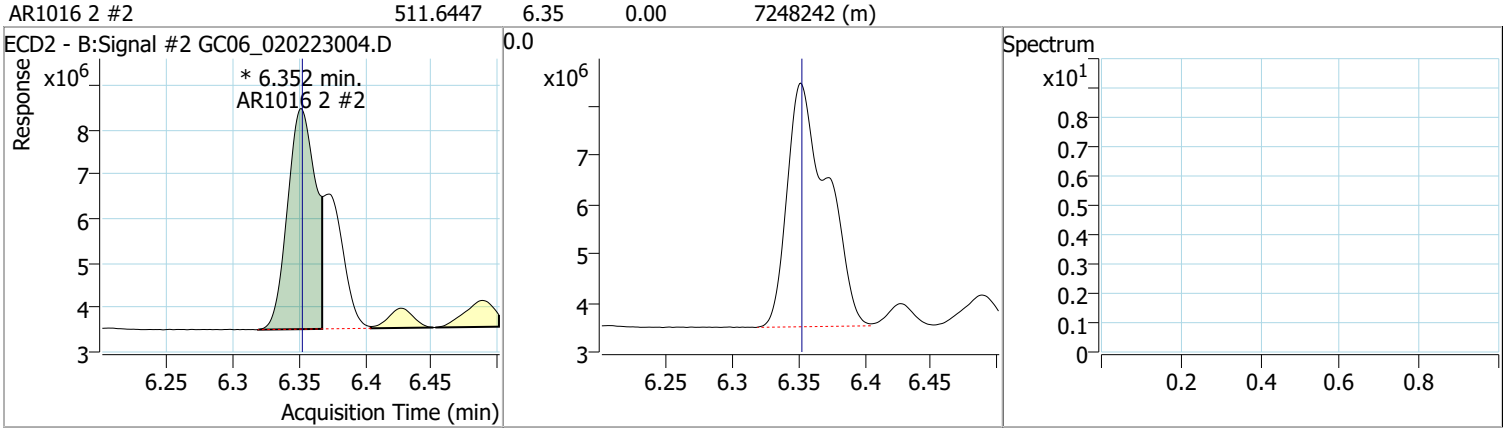
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	501.0940	6.20	0.00	2822533				



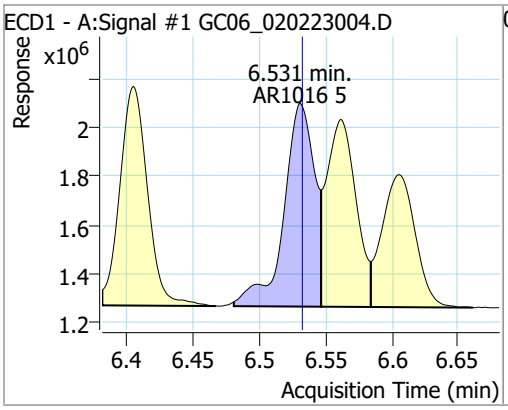
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	580.9950	6.34	0.00	2087446				

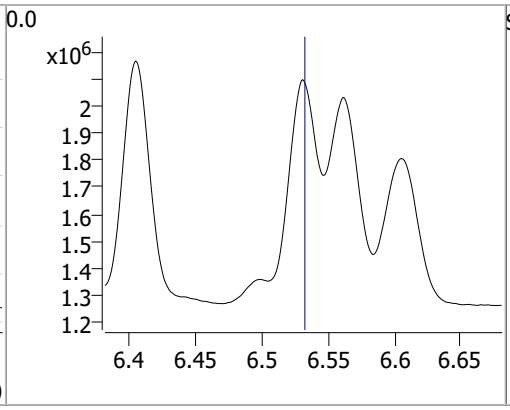


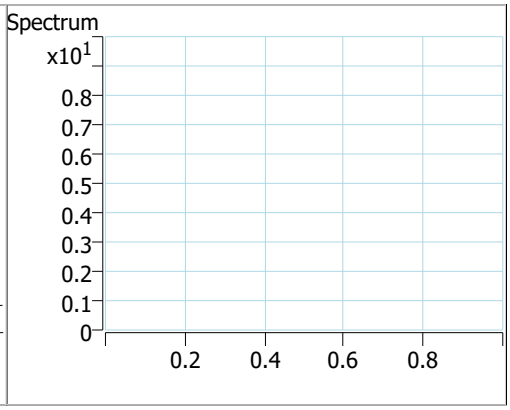
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	511.6447	6.35	0.00	7248242 (m)				



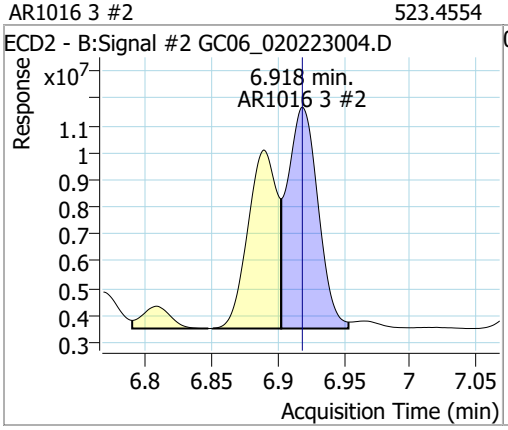
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	568.8564	6.53	0.00	1341919				

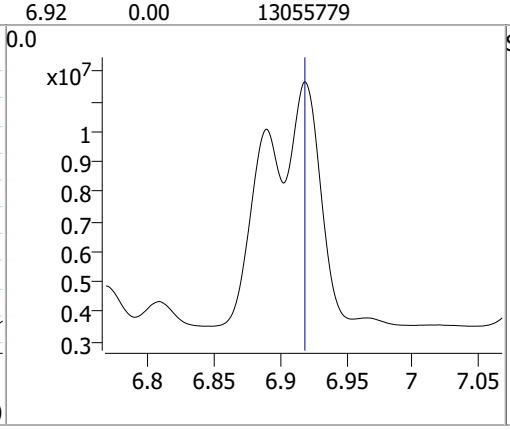


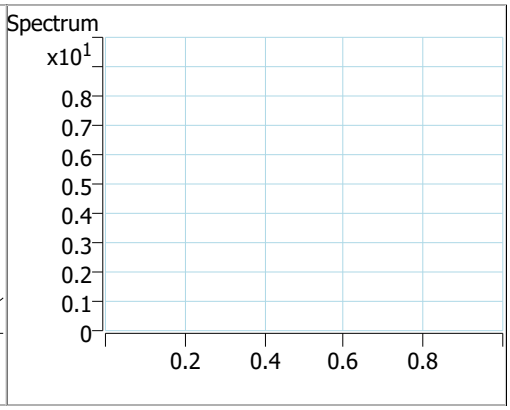




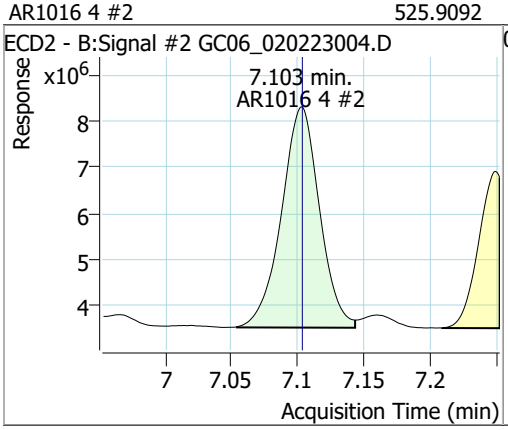
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	523.4554	6.92	0.00	13055779				

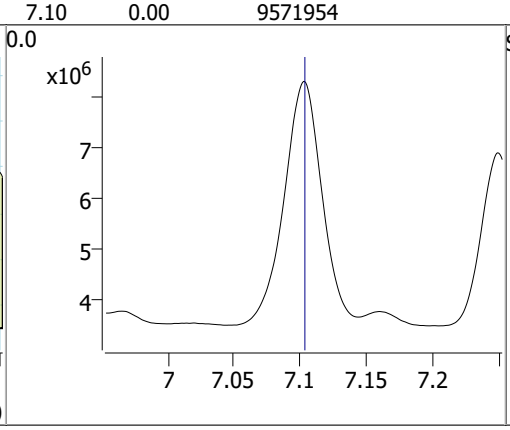


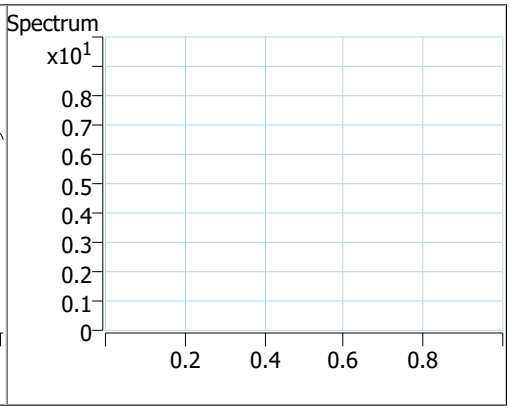




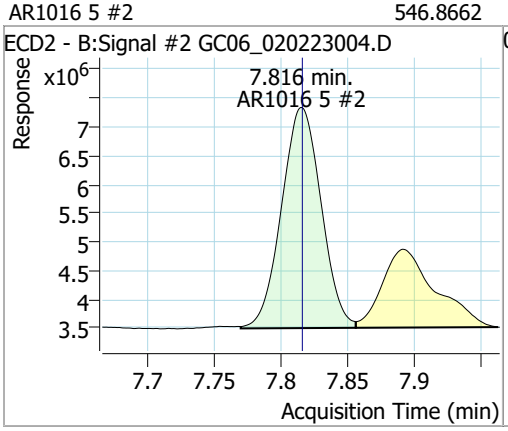
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	525.9092	7.10	0.00	9571954				

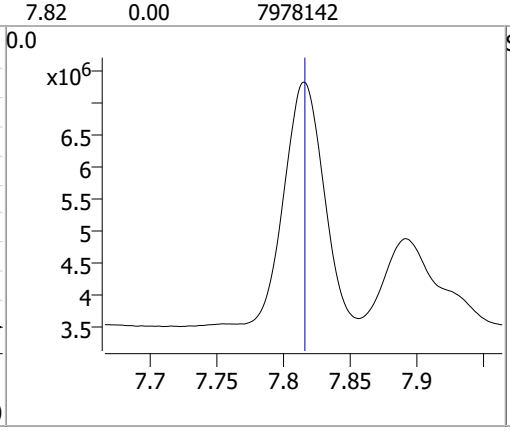


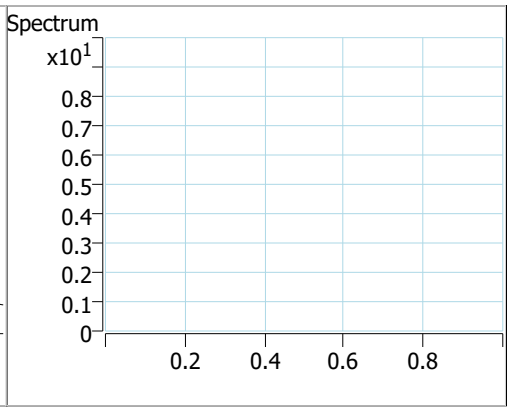




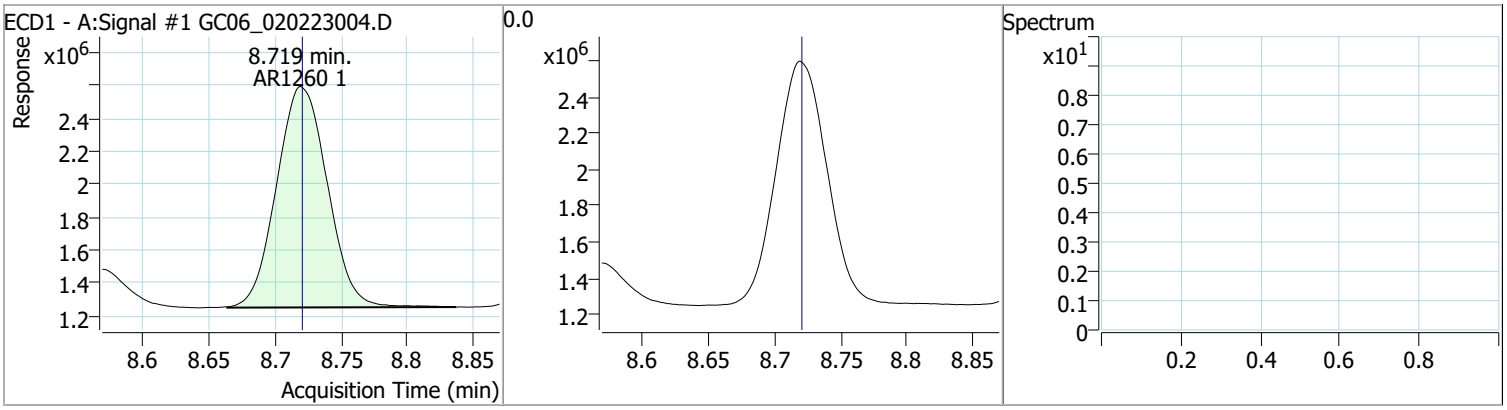
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	546.8662	7.82	0.00	7978142				



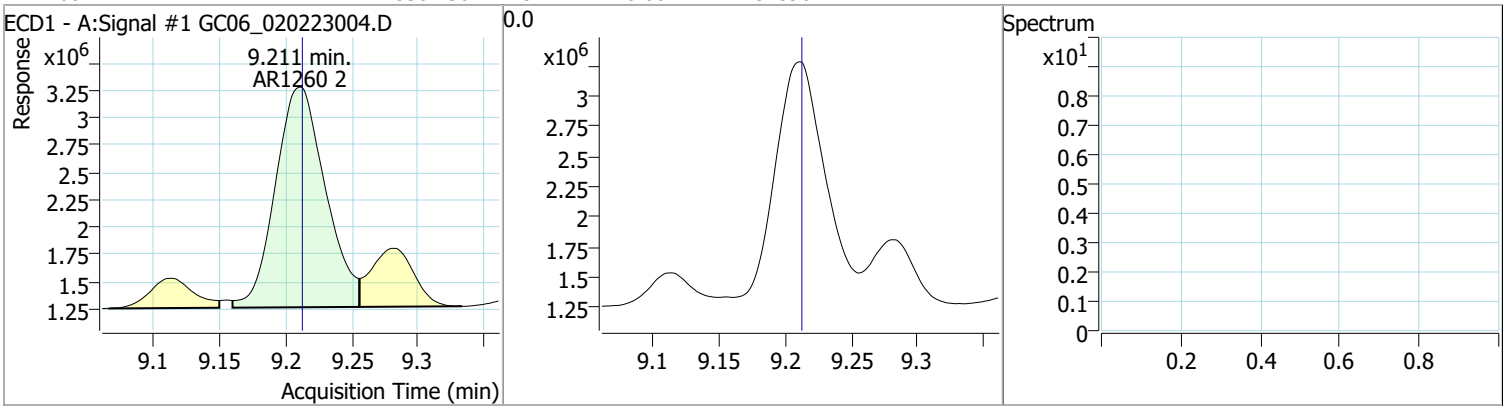




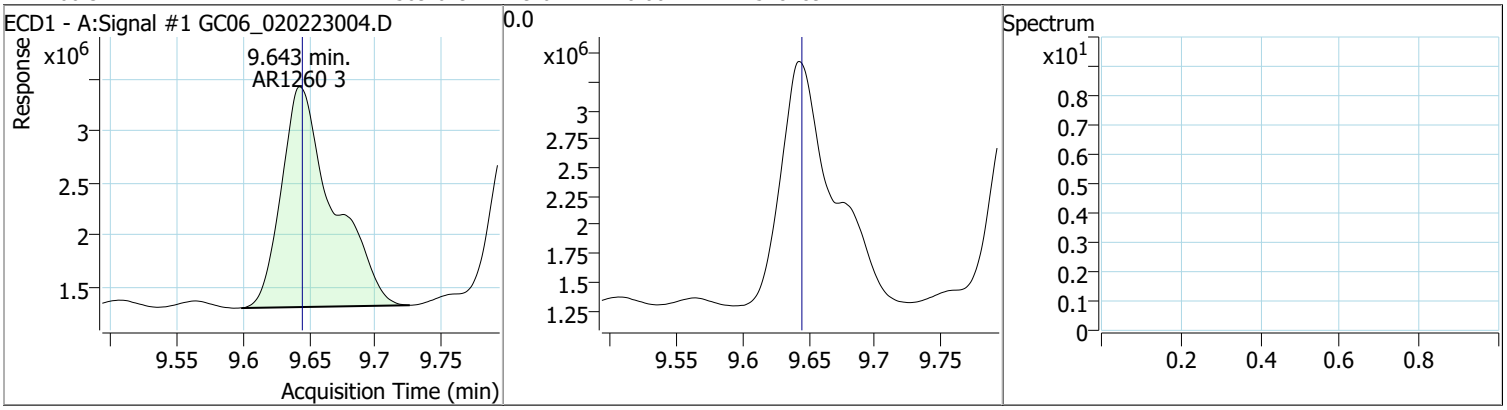
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	490.1857	8.72	0.00	3581775				



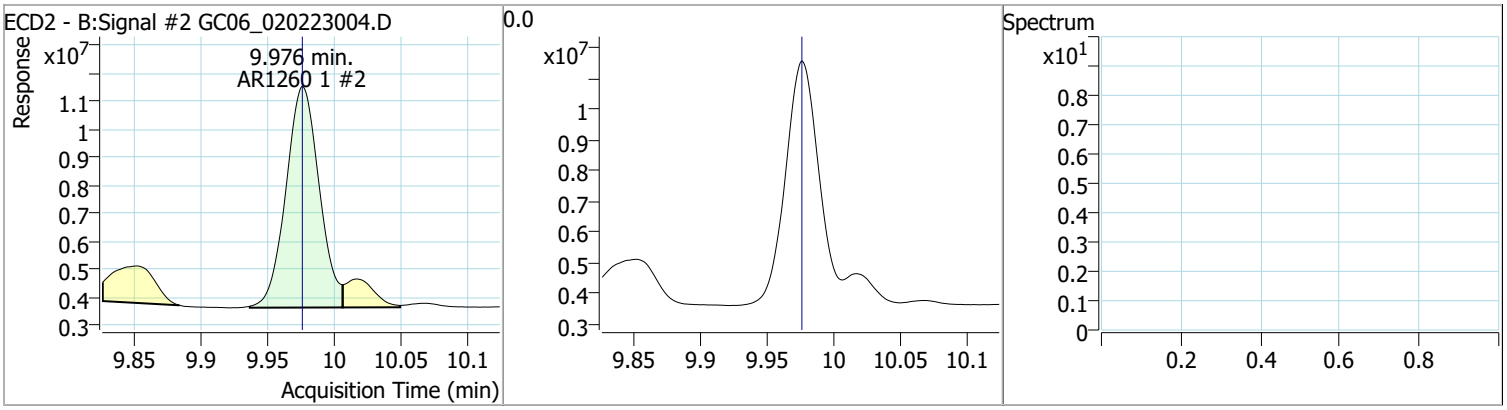
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	530.2361	9.21	0.00	5289612				



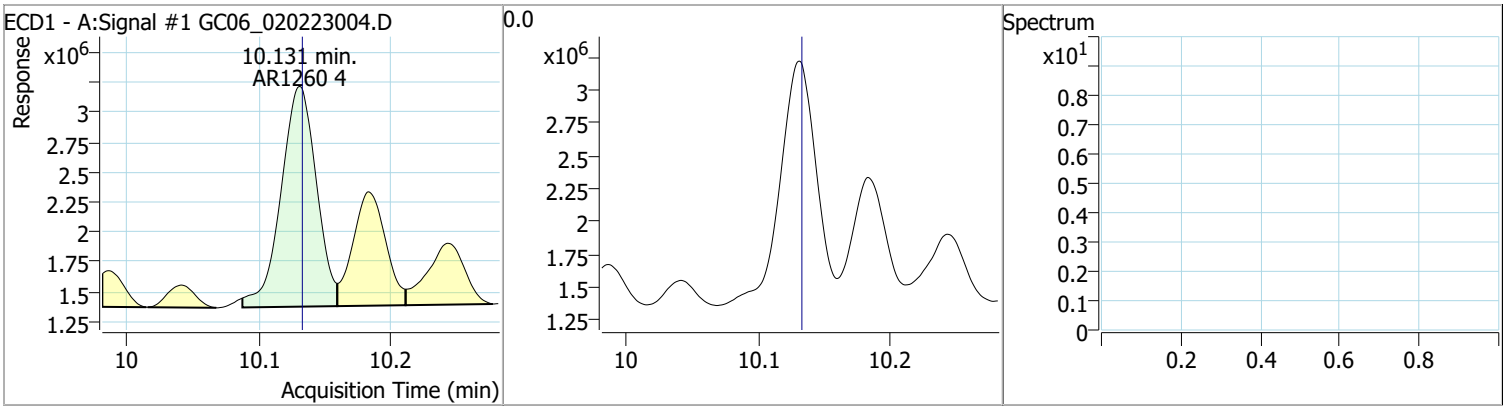
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	509.6294	9.64	0.00	5787891				



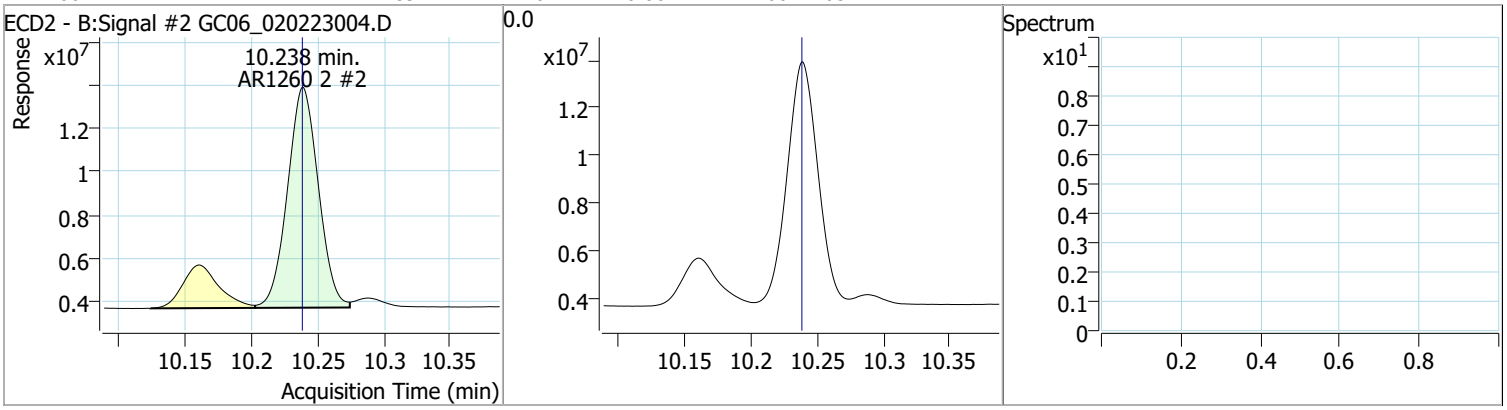
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	498.4697	9.98	0.00	13827689				



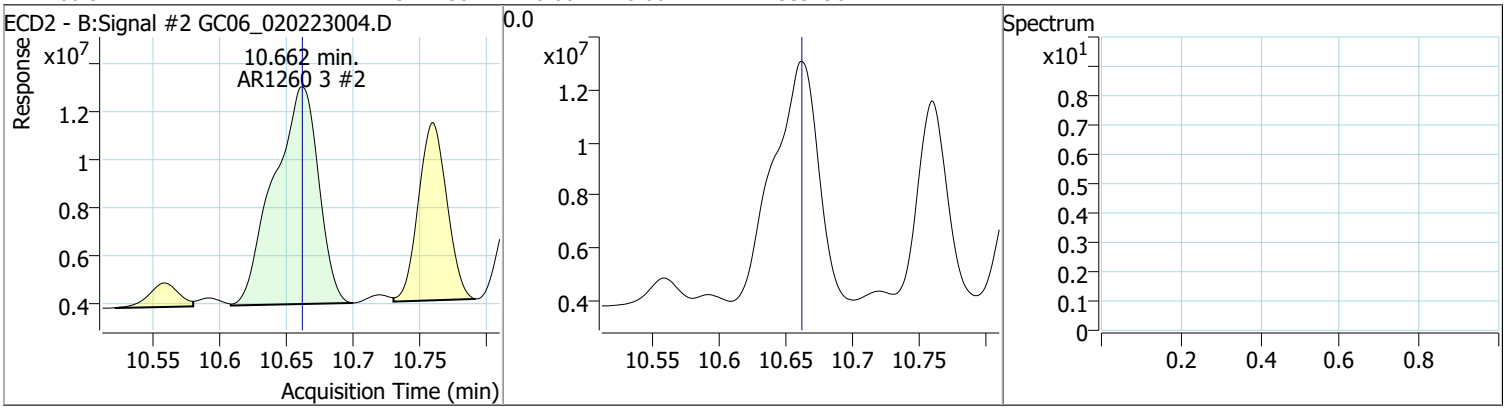
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	573.1899	10.13	0.00	3427361				



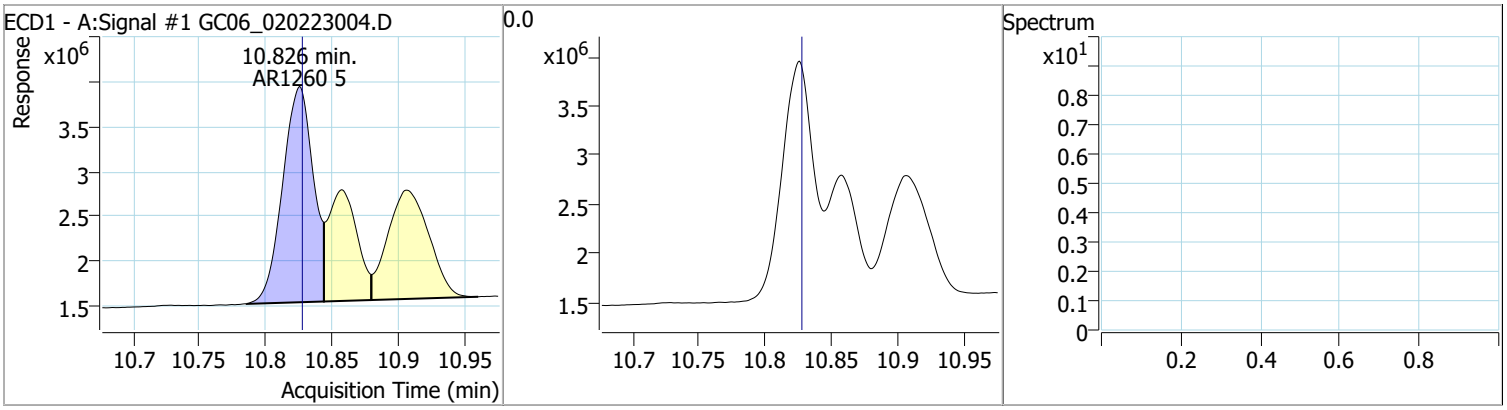
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	591.7747	10.24	0.00	16647105				



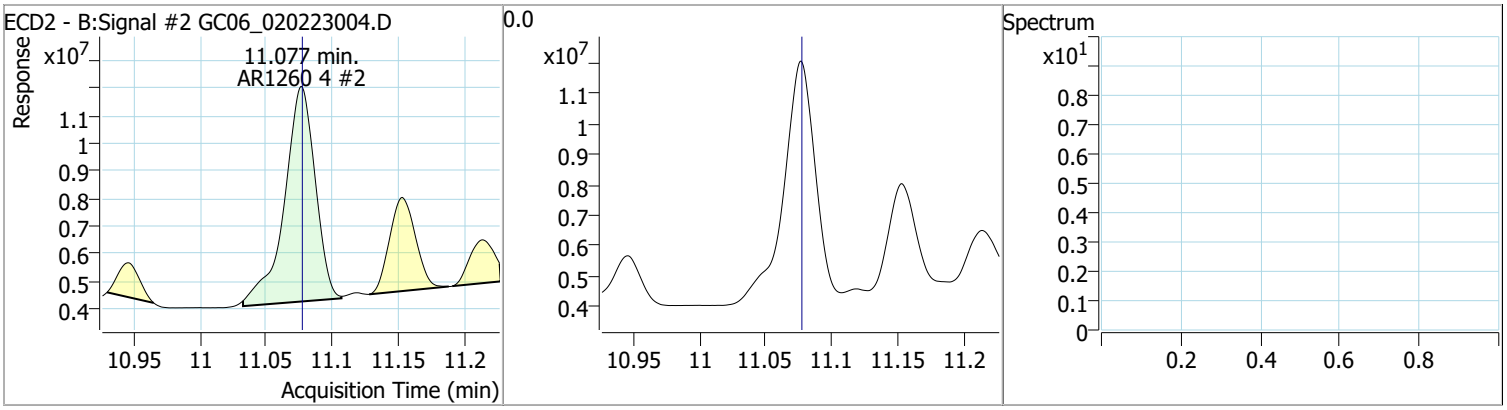
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	527.1552	10.66	0.00	21339290				



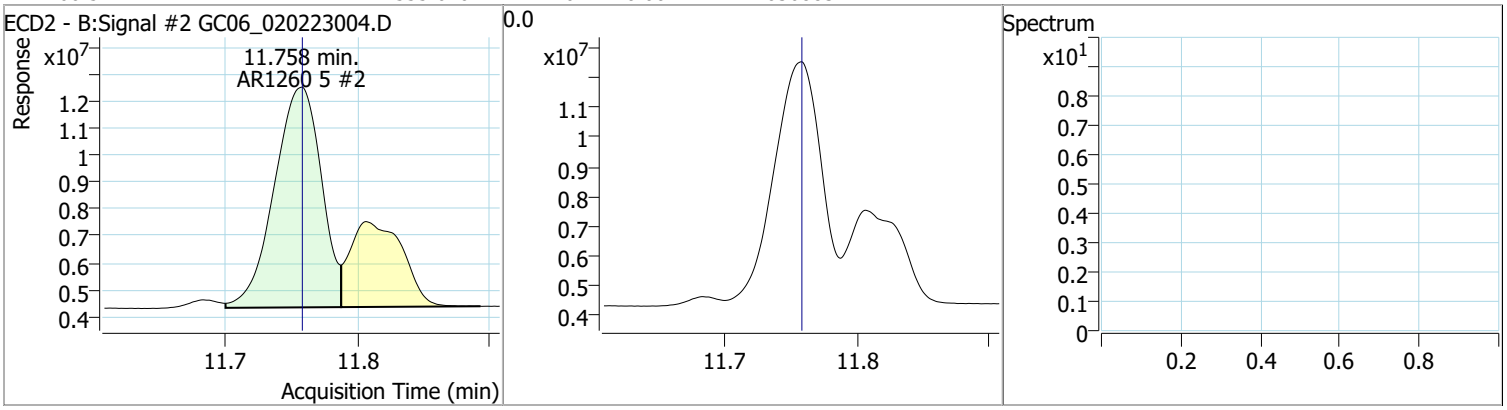
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	300.8156	10.83	0.00	3897898				



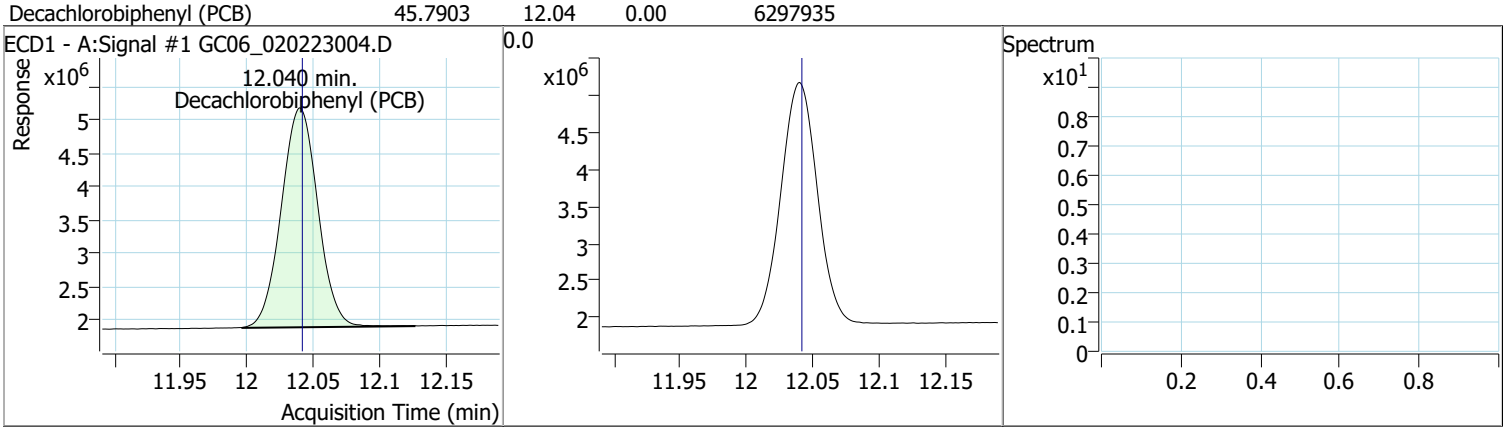
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	567.2514	11.08	0.00	12623203				



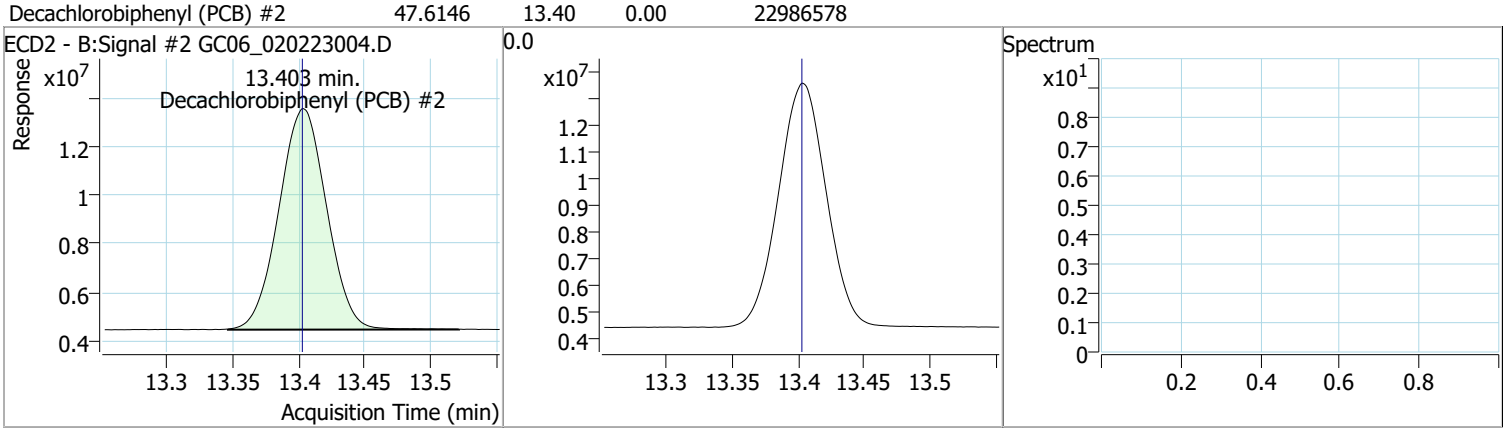
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	555.6201	11.76	0.00	20368837				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.7903	12.04	0.00	6297935				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	47.6146	13.40	0.00	22986578				



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

enthalpy.com

Lab Job Number: 478361
Report Level: IV
Report Date: 02/06/2023

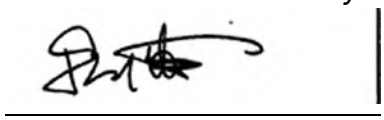
Metals

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478361
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L-LA	478361-002	01/27/23 09:26	Wipe
AFRAME-C5W-MED-L2-HS-1-230127-L-G	478361-004	01/27/23 09:00	Wipe
AFRAME-C3W-LAT-L2-HS-1-L-230127-FB	478361-005	01/27/23 09:15	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478361 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/27/23

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 01/30/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

Chain of Custody

)G

478361

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:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-P-~~	1/27/2023		WP	1	--	X			MK
2	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-L-~~	~~1/27/2023~~		WP	1	--		X		MK
3	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P- LA	1/27/2023	0926	WP	1	--	X			
4	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L- LA	1/27/2023	0926	WP	1	--		X		
5	AFRAME-~~C4W~~ C3W-MED-L2-HS-1-230127-P- G	1/27/2023	0900	WP	1	--	X			1xRivet Type 1 = 12.835cm²
6	AFRAME-~~C4W~~ C3W-MED-L2-HS-1-230127-L- G	1/27/2023	0900	WP	1	--		X		10xRivet Type 1 = 0.138ft²
7	AFRAME-C3W-LAT-L2-HS-1-L-FB	1/27/23	0915	WP	1	-		X		
8	AFRAME-C3W-LAT-L2-HS-1-P-FB	1/27/23	0915	WP	1	-	X			
9										
10										
11										
12										
13										
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon / Env Scientist	1/27/23 @ 1353
1 Received By:	Audrey Hudson	ENTHALPY	ENTHALPY	1/27/23 @ 13:53
2 Relinquished By:	Audrey Hudson	"	"	1/27/23 @ 16:50
2 Received By:		Jon Lucas	R.A. Enthalpy EA.	1/27/23 16:50
3 Relinquished By:		JSP		1-27-23 17:15
3 Received By:	Gene Sylvester	Gene Sylvester		1/28/23 11:14

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478361 Client: Rincon

Date Received: 1.27.23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 1.27.23 How many 2 ☑ Signature, ☐ Initials, ☐ None

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

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

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

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

If in cooler: Date Opened 1.27.23 By (print) JJP (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.3, #2: 7.2, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 1.27.22 **By (print)** JJ for MY **(sign)** _____

Date Labeled 1.27.22 **By (print)** JJP **(sign)** _____

Enthalpy Analytical - Berkeley Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL 478361

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NCTRA

Date Received: 1/28/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

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

gn 1/28/23

Sample Temp (°C), One from each cooler: #1: 4.2 #2: 2.9 #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: 2.9 #2: 2.2 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		✓ gn 1/28/23
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: 1/28/23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701542

SDS

ORANGE

S10003H

79867300

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 1 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

4.7/2.8

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701543

SDS

ORANGE

S10003H

79867301

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 2 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

cooler #7 custody seal on cooler Intact

2.9/2.2

1/20/23 @ 1114

AFRAME-C3W-LAT-L2-HS-1-L-230127-P-FB

AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-L-FB

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

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

Turn Around Time (rush by advanced notice only)

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

Sample Receipt Temp: (lab use only)

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

	ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD
1	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-P-~~	~~1/27/2023~~		~~WP~~	~~1~~	~~–~~	X		
2	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230127-L-~~	~~1/27/2023~~		~~WP~~	1	–		X	
3	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P- LA	1/27/2023	0926	WP	1	–	X		
4	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L- LA	1/27/2023	0926	WP	1	–		X	
5	AFRAME-~~C3W~~ C3W-MED-L2-HS-1-230127-P- G7	1/27/2023	0908	WP	1	–	X		
6	AFRAME-~~C3W~~ C3W-MED-L2-HS-1-230127-L- G7	1/27/2023	0908	WP	1	–		X	
7	AFRAME-C3W-LAT-L2-HS-1-L-FB	1/27/23	0915	WP	1	–		X	
8	AFRAME-C3W-LAT-L2-HS-1-P-FB	1/27/23	0915	WP	1	–	X		
10									
11									
12									
13									
14									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D (High Occupancy)

MK

MK

1xRivet Type 1 = 12.835cm²
10xRivet Type 1 = 0.138ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	1/27/23 @ 1353
1 Received By:	Audrey Hudson	ENTHALPY	ENTHALPY	1/27/23 @ 13:53
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

CamScanner

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 478361 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L-LA **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478361-002 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478361-002 Analyte	Result	RL	Units	Qual
Lead	**190**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-MED-L2-HS-1-230127-L-G **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478361-004 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478361-004 Analyte	Result	RL	Units	Qual
Lead	**120**	0.22	ug/ft2	b

Field ID: AFRAME-C3W-LAT-L2-HS-1-L-230127-FB **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478361-005 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478361-005 Analyte	Result	RL	Units	Qual
Lead	**150**	0.25	ug/ft2	b

Type: BLANK **Batch#:** 306445 **Analysis:** EPA 6010B
Lab ID: QC1042048 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042048 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit
b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 478361 **Project#:** 20-10491

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

Type: BS **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042049 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1042049 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	52.93	106	80-120	ug/ft2	b

Type: BSD **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042050 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1042050 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	51.48	103	80-120	ug/ft2	3	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

REPORTING SUMMARY FOR 478361 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
478361-002	MET06	01/30/23 19:29	1.0	+	
478361-004	MET06	01/30/23 19:33	1.0	+	
478361-005	MET06	01/30/23 19:36	1.0	+	
QC1042048	MET06	01/30/23 19:20	1.0	+	
QC1042049	MET06	01/30/23 19:23	1.0	+	
QC1042050	MET06	01/30/23 19:26	1.0	+	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			01/30/23 13:12	1.0	1	
002	met06_master011	ICALBLK	CALBLANK			01/30/23 13:20	1.0	1	
003	met06_master011	ICAL	L1			01/30/23 13:23	1.0	2 1	
004	met06_master011	ICAL	L2			01/30/23 13:26	1.0	3 1	
005	met06_master011	ICAL	L3			01/30/23 13:29	1.0	4 1	
006	met06_master011	ICAL	L4			01/30/23 13:33	1.0	5 1	
007	met06_master011	ICAL	L5			01/30/23 13:36	1.0	6 1	
008	met06_master011	ICAL	L6			01/30/23 13:39	1.0	7 1	
009	met06_master011	ICAL	L7			01/30/23 13:43	1.0	8 1	
010	met06_master011	ICAL	L8			01/30/23 13:46	1.0	9 1	
011	met06_master011	ICV				01/30/23 13:49	1.0	10 1	
012	met06_master011	CRI				01/30/23 13:53	1.0	11 1	
013	met06_master011	ICB				01/30/23 13:56	1.0	1	
014	met06_master011	ICSA				01/30/23 13:59	1.0	12 1	6:MGASMGCO3=1400
015	met06_master011	ICSAB				01/30/23 14:02	1.0	13 1	6:MGASMGCO3=1400
016	met06_master011	SAMPLE	477963-001	Soil	306052	01/30/23 14:07	20.0	1	
017	met06_master011	SAMPLE	477965-001	Soil	306052	01/30/23 14:11	20.0	1	
018	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:14	20.0	1	3:AL=68
019	met06_master011	XSAMPLE	477965-003	Soil	306052	01/30/23 14:17	20.0	1	
020	met06_master011	XBLANK	QC1040706	Drinking Water	305982	01/30/23 14:21	1.0	1	3:MGASMGCO3=680
021	met06_master011	XLCS	QC1040707	Drinking Water	305982	01/30/23 14:24	1.0	1	1:MGASMGCO3=1400
022	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 14:27	1.0	1	
023	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 14:30	1.0	1	
024	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 14:34	1.0	1	
025	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 14:37	1.0	1	3:MGASMGCO3=1400
026	met06_master011	XCCV				01/30/23 14:40	1.0	10 1	2:MGASMGCO3=1100

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:49	100.0	1	
028	met06_master011	SAMPLE	477965-003	Soil	306052	01/30/23 14:53	20.0	1	1:FE=41
029	met06_master011	CCV				01/30/23 14:56	1.0	10 1	
030	met06_master011	CCB				01/30/23 14:59	1.0	1	
031	met06_master011	BLANK	QC1040706	Drinking Water	305982	01/30/23 15:02	1.0	1	
032	met06_master011	LCS	QC1040707	Drinking Water	305982	01/30/23 15:06	1.0	1	
033	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 15:09	1.0	1	
034	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 15:12	1.0	1	
035	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 15:15	1.0	1	1:TI=12
036	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 15:20	1.0	1	2:MGASMGCO3=1700
037	met06_master011	XMS	QC1040708	Drinking Water	305982	01/30/23 15:23	1.0	1	3:MGASMGCO3=830
038	met06_master011	XMSD	QC1040709	Drinking Water	305982	01/30/23 15:26	1.0	1	2:MGASMGCO3=1600
039	met06_master011	XSAMPLE	477089-001	Water	305245	01/30/23 15:29	1.0	1	1:TI=12
040	met06_master011	XCCV				01/30/23 15:33	1.0	10 1	3:MGASMGCO3=960
041	met06_master011	SAMPLE	477538-001	Drinking Water	305982	01/30/23 15:38	1.0	1	
042	met06_master011	SAMPLE	477538-002	Drinking Water	305982	01/30/23 15:41	1.0	1	
043	met06_master011	SAMPLE	477538-003	Drinking Water	305982	01/30/23 15:45	1.0	1	
044	met06_master011	MSS	477943-001	Drinking Water	305982	01/30/23 15:48	1.0	1	
045	met06_master011	MS	QC1040708	Drinking Water	305982	01/30/23 15:51	1.0	1	
046	met06_master011	MSD	QC1040709	Drinking Water	305982	01/30/23 15:55	1.0	1	
047	met06_master011	SAMPLE	477089-001	Water	305245	01/30/23 15:58	1.0	1	
048	met06_master011	CCV				01/30/23 16:01	1.0	10 1	
049	met06_master011	CCB				01/30/23 16:04	1.0	1	
050	met06_master011	BLANK	QC1041981	Water	306425	01/30/23 16:08	1.0	1	
051	met06_master011	LCS	QC1041982	Water	306425	01/30/23 16:11	1.0	1	
052	met06_master011	MSS	478317-009	Water	306425	01/30/23 16:14	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	MS	QC1041983	Water	306425	01/30/23 16:17	1.0	1	
054	met06_master011	MSD	QC1041984	Water	306425	01/30/23 16:21	1.0	1	
055	met06_master011	CCV				01/30/23 16:24	1.0	10 1	
056	met06_master011	CCB				01/30/23 16:27	1.0	1	
057	met06_master011	BLANK	QC1041229	Water	306192	01/30/23 16:30	1.0	1	
058	met06_master011	LCS	QC1041230	Water	306192	01/30/23 16:34	1.0	1	
059	met06_master011	SAMPLE	478161-001	Water	306192	01/30/23 16:37	1.0	1	2:NA=1400
060	met06_master011	SAMPLE	478330-001	Water	306425	01/30/23 16:41	1.0	1	
061	met06_master011	MSS	478161-002	Water	306192	01/30/23 16:44	1.0	1	
062	met06_master011	MS	QC1041231	Water	306192	01/30/23 16:48	1.0	1	
063	met06_master011	MSD	QC1041232	Water	306192	01/30/23 16:51	1.0	1	
064	met06_master011	SAMPLE	478161-003	Water	306192	01/30/23 16:54	1.0	1	
065	met06_master011	CCV				01/30/23 16:57	1.0	10 1	
066	met06_master011	CCB				01/30/23 17:01	1.0	1	
067	met06_master011	LCS	QC1041326	Soil	306211	01/30/23 17:05	1.0	1	
068	met06_master011	MSS	478142-001	Miscell.	306211	01/30/23 17:09	1.0	1	5:FEASFE2O3=250
069	met06_master011	MS	QC1041327	Miscell.	306211	01/30/23 17:12	1.0	1	5:FEASFE2O3=240
070	met06_master011	MSD	QC1041328	Miscell.	306211	01/30/23 17:15	1.0	1	5:FEASFE2O3=260
071	met06_master011	PDS	QC1041329	Miscell.	306211	01/30/23 17:18	1.0	1	5:FEASFE2O3=250
072	met06_master011	SAMPLE	478202-001	Miscell.	306211	01/30/23 17:29	10.0	1	2:FE=410
073	met06_master011	SAMPLE	478202-002	Miscell.	306211	01/30/23 17:33	10.0	1	1:FE=190
074	met06_master011	XCCV				01/30/23 17:36	1.0	10 1	
075	met06_master011	CCV				01/30/23 17:41	1.0	10 1	
076	met06_master011	CCB				01/30/23 17:45	1.0	1	
077	met06_master011	LCS	QC1040220	Filtrate	305816	01/30/23 17:48	1.0	1	
078	met06_master011	SAMPLE	476977-002	Filtrate	305816	01/30/23 17:52	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	476977-003	Filtrate	305816	01/30/23 17:55	1.0	1	
080	met06_master011	SAMPLE	476977-004	Filtrate	305816	01/30/23 17:58	1.0	1	
081	met06_master011	LCS	QC1041418	Water	306246	01/30/23 18:01	1.0	1	
082	met06_master011	SAMPLE	477696-003	Water	306246	01/30/23 18:05	1.0	1	
083	met06_master011	SAMPLE	478108-001	Drinking Water	306246	01/30/23 18:08	1.0	1	
084	met06_master011	MSS	478193-001	Water	306246	01/30/23 18:11	1.0	1	
085	met06_master011	MS	QC1041419	Water	306246	01/30/23 18:14	1.0	1	
086	met06_master011	MSD	QC1041420	Water	306246	01/30/23 18:18	1.0	1	
087	met06_master011	CCV				01/30/23 18:21	1.0	10 1	
088	met06_master011	CCB				01/30/23 18:24	1.0	1	
089	met06_master011	BLANK	QC1041807	Water	306373	01/30/23 18:27	1.0	1	
090	met06_master011	LCS	QC1041808	Water	306373	01/30/23 18:31	1.0	1	
091	met06_master011	MSS	477789-001	Water	306373	01/30/23 18:34	1.0	1	
092	met06_master011	MS	QC1041809	Water	306373	01/30/23 18:37	1.0	1	
093	met06_master011	MSD	QC1041810	Water	306373	01/30/23 18:40	1.0	1	
094	met06_master011	SAMPLE	477789-002	Water	306373	01/30/23 18:44	1.0	1	
095	met06_master011	SAMPLE	477789-003	Water	306373	01/30/23 18:47	1.0	1	
096	met06_master011	BLANK	QC1041776	Soil	306366	01/30/23 18:50	1.0	1	
097	met06_master011	LCS	QC1041777	Soil	306366	01/30/23 18:53	1.0	1	
098	met06_master011	MSS	478043-001	Soil	306366	01/30/23 18:57	1.0	1	7:ALASAL2O3=380
099	met06_master011	CCV				01/30/23 19:00	1.0	10 1	
100	met06_master011	CCB				01/30/23 19:03	1.0	1	
101	met06_master011	MS	QC1041778	Soil	306366	01/30/23 19:06	1.0	1	7:FEASFE2O3=350
102	met06_master011	MSD	QC1041779	Soil	306366	01/30/23 19:10	1.0	1	6:FEASFE2O3=370
103	met06_master011	PDS	QC1041780	Soil	306366	01/30/23 19:13	1.0	1	7:ALASAL2O3=370
104	met06_master011	SAMPLE	478302-001	Soil	306366	01/30/23 19:16	1.0	1	3:FE=220

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	BLANK	QC1042048	Wipe	306445	01/30/23 19:20	1.0	1	
106	met06_master011	BS	QC1042049	Wipe	306445	01/30/23 19:23	1.0	1	
107	met06_master011	BSD	QC1042050	Wipe	306445	01/30/23 19:26	1.0	1	
108	met06_master011	SAMPLE	478361-002	Wipe	306445	01/30/23 19:29	1.0	1	1:FE=66
109	met06_master011	SAMPLE	478361-004	Wipe	306445	01/30/23 19:33	1.0	1	1:FE=75
110	met06_master011	SAMPLE	478361-005	Wipe	306445	01/30/23 19:36	1.0	1	1:FE=84
111	met06_master011	CCV				01/30/23 19:39	1.0	10 1	
112	met06_master011	CCB				01/30/23 19:42	1.0	1	
113	met06_master011	SAMPLE	478362-002	Wipe	306445	01/30/23 19:46	1.0	1	1:FE=100
114	met06_master011	SAMPLE	478362-004	Wipe	306445	01/30/23 19:49	1.0	1	1:FE=120
115	met06_master011	SAMPLE	478362-006	Wipe	306445	01/30/23 19:52	1.0	1	1:FE=86
116	met06_master011	SAMPLE	478362-008	Wipe	306445	01/30/23 19:55	1.0	1	1:FE=83
117	met06_master011	SAMPLE	478362-010	Wipe	306445	01/30/23 19:59	1.0	1	1:FE=120
118	met06_master011	SAMPLE	478368-002	Wipe	306445	01/30/23 20:02	1.0	1	
119	met06_master011	SAMPLE	478371-002	Wipe	306445	01/30/23 20:05	1.0	1	1:FE=100
120	met06_master011	SAMPLE	478371-003	Wipe	306445	01/30/23 20:08	1.0	1	1:FE=86
121	met06_master011	SAMPLE	478371-005	Wipe	306445	01/30/23 20:12	1.0	1	1:FE=84
122	met06_master011	SAMPLE	478371-006	Wipe	306445	01/30/23 20:15	1.0	1	1:FE=76
123	met06_master011	CCV				01/30/23 20:18	1.0	10 1	
124	met06_master011	CCB				01/30/23 20:21	1.0	1	
125	met06_master011	SAMPLE	478371-009	Wipe	306445	01/30/23 20:25	1.0	1	1:FE=88
126	met06_master011	SAMPLE	478371-012	Wipe	306445	01/30/23 20:28	1.0	1	2:ZN=230
127	met06_master011	SAMPLE	478371-014	Wipe	306445	01/30/23 20:31	1.0	1	1:FE=59
128	met06_master011	SAMPLE	478373-002	Wipe	306445	01/30/23 20:34	1.0	1	1:FE=93
129	met06_master011	SAMPLE	478373-004	Wipe	306445	01/30/23 20:38	1.0	1	1:FE=90
130	met06_master011	SAMPLE	478373-007	Wipe	306445	01/30/23 20:41	1.0	1	1:FE=91

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master011	SAMPLE	478373-009	Wipe	306445	01/30/23 20:44	1.0	1	1:FE=92
132	met06_master011	BLANK	QC1041457	Soil	306257	01/30/23 20:48	1.0	1	
133	met06_master011	LCS	QC1041458	Soil	306257	01/30/23 20:51	1.0	1	
134	met06_master011	SAMPLE	478036-009	Soil	306257	01/30/23 20:54	1.0	1	2:FE=220
135	met06_master011	CCV				01/30/23 20:57	1.0	10 1	
136	met06_master011	CCB				01/30/23 21:01	1.0	1	
137	met06_master011	SAMPLE	478036-010	Soil	306257	01/30/23 21:04	1.0	1	2:FE=230
138	met06_master011	SAMPLE	478036-011	Soil	306257	01/30/23 21:07	1.0	1	2:FE=240
139	met06_master011	SAMPLE	478036-012	Soil	306257	01/30/23 21:10	1.0	1	2:FE=100
140	met06_master011	SAMPLE	478169-001	Soil	306257	01/30/23 21:13	1.0	1	2:FE=140
141	met06_master011	SAMPLE	478169-002	Soil	306257	01/30/23 21:17	1.0	1	2:FE=210
142	met06_master011	MSS	478211-001	Soil	306257	01/30/23 21:20	1.0	1	4:ALASAL2O3=250
143	met06_master011	MS	QC1041459	Soil	306257	01/30/23 21:23	1.0	1	4:ALASAL2O3=470
144	met06_master011	MSD	QC1041460	Soil	306257	01/30/23 21:26	1.0	1	4:ALASAL2O3=430
145	met06_master011	PDS	QC1041461	Soil	306257	01/30/23 21:30	1.0	1	4:ALASAL2O3=250
146	met06_master011	SAMPLE	478211-002	Soil	306257	01/30/23 21:33	1.0	1	2:AL=55
147	met06_master011	CCV				01/30/23 21:36	1.0	10 1	
148	met06_master011	CCB				01/30/23 21:39	1.0	1	
149	met06_master011	CCV				01/30/23 21:56	1.0	10 1	
150	met06_master011	CCB				01/30/23 22:00	1.0	1	
151	met06_master011	BLANK	QC1042029	Wipe	306440	01/30/23 22:03	1.0	1	
152	met06_master011	BS	QC1042030	Wipe	306440	01/30/23 22:06	1.0	1	
153	met06_master011	BSD	QC1042031	Wipe	306440	01/30/23 22:09	1.0	1	
154	met06_master011	SAMPLE	478373-011	Wipe	306440	01/30/23 22:13	1.0	1	1:FE=60
155	met06_master011	SAMPLE	478373-012	Wipe	306440	01/30/23 22:16	1.0	1	1:FE=90
156	met06_master011	SAMPLE	478373-014	Wipe	306440	01/30/23 22:19	1.0	1	1:FE=70

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	SAMPLE	478373-016	Wipe	306440	01/30/23 22:22	1.0	1	1:FE=92
158	met06_master011	SAMPLE	478373-018	Wipe	306440	01/30/23 22:26	1.0	1	1:FE=130
159	met06_master011	SAMPLE	478373-020	Wipe	306440	01/30/23 22:29	1.0	1	1:FE=75
160	met06_master011	SAMPLE	478373-022	Wipe	306440	01/30/23 22:32	1.0	1	1:FE=54
161	met06_master011	CCV				01/30/23 22:36	1.0	10 1	
162	met06_master011	CCB				01/30/23 22:39	1.0	1	
163	met06_master011	SAMPLE	478373-024	Wipe	306440	01/30/23 22:42	1.0	1	1:FE=31
164	met06_master011	SAMPLE	478373-026	Wipe	306440	01/30/23 22:45	1.0	1	1:FE=83
165	met06_master011	SAMPLE	478373-028	Wipe	306440	01/30/23 22:49	1.0	1	1:FE=62
166	met06_master011	SAMPLE	478373-030	Wipe	306440	01/30/23 22:52	1.0	1	2:FE=140
167	met06_master011	SAMPLE	478373-032	Wipe	306440	01/30/23 22:55	1.0	1	1:FE=110
168	met06_master011	SAMPLE	478373-034	Wipe	306440	01/30/23 22:58	1.0	1	2:FE=91
169	met06_master011	SAMPLE	478373-037	Wipe	306440	01/30/23 23:02	1.0	1	2:FE=130
170	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:05	1.0	1	
171	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:08	1.0	1	
172	met06_master011	SAMPLE	478373-039	Wipe	306440	01/30/23 23:11	1.0	1	2:FE=130
173	met06_master011	CCV				01/30/23 23:15	1.0	10 1	
174	met06_master011	CCB				01/30/23 23:18	1.0	1	
175	met06_master011	SAMPLE	478373-041	Wipe	306440	01/30/23 23:21	1.0	1	2:FE=110
176	met06_master011	SAMPLE	478373-043	Wipe	306440	01/30/23 23:24	1.0	1	2:FE=92
177	met06_master011	SAMPLE	478373-045	Wipe	306440	01/30/23 23:28	1.0	1	2:FE=89
178	met06_master011	SAMPLE	478373-047	Wipe	306440	01/30/23 23:31	1.0	1	2:FE=130
179	met06_master011	SAMPLE	478373-049	Wipe	306440	01/30/23 23:34	1.0	1	2:FE=85
180	met06_master011	BLANK	QC1042034	Wipe	306441	01/30/23 23:37	1.0	1	
181	met06_master011	BS	QC1042035	Wipe	306441	01/30/23 23:41	1.0	1	
182	met06_master011	BSD	QC1042036	Wipe	306441	01/30/23 23:44	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master011	SAMPLE	478373-050	Wipe	306441	01/30/23 23:47	1.0	1	2:FE=110
184	met06_master011	SAMPLE	478373-052	Wipe	306441	01/30/23 23:50	1.0	1	2:FE=120
185	met06_master011	CCV				01/30/23 23:54	1.0	10 1	
186	met06_master011	CCB				01/30/23 23:57	1.0	1	
187	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 00:00	1.0	1	2:FE=110
188	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 00:03	1.0	1	2:FE=230
189	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 00:07	1.0	1	2:FE=96
190	met06_master011	SAMPLE	478373-060	Wipe	306441	01/31/23 00:10	1.0	1	1:FE=73
191	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 00:13	1.0	1	3:FEASFE2O3=160
192	met06_master011	SAMPLE	478373-064	Wipe	306441	01/31/23 00:16	1.0	1	
193	met06_master011	BLANK	QC1042162	Miscell.	306479	01/31/23 00:20	1.0	1	
194	met06_master011	LCS	QC1042163	Miscell.	306479	01/31/23 00:23	1.0	1	
195	met06_master011	SAMPLE	478268-001	Soil	306479	01/31/23 00:26	1.0	1	3:FE=250
196	met06_master011	SAMPLE	478268-002	Soil	306479	01/31/23 00:29	1.0	1	2:AL=480
197	met06_master011	CCV				01/31/23 00:33	1.0	10 1	
198	met06_master011	CCB				01/31/23 00:36	1.0	1	
199	met06_master011	SAMPLE	478268-003	Soil	306479	01/31/23 00:39	1.0	1	2:FE=160
200	met06_master011	SAMPLE	478268-004	Soil	306479	01/31/23 00:42	1.0	1	2:FE=240
201	met06_master011	SAMPLE	478268-005	Soil	306479	01/31/23 00:46	1.0	1	3:FE=280
202	met06_master011	SAMPLE	478268-006	Soil	306479	01/31/23 00:49	1.0	1	2:FE=290
203	met06_master011	SAMPLE	478268-007	Soil	306479	01/31/23 00:52	1.0	1	2:FE=210
204	met06_master011	SAMPLE	478268-008	Soil	306479	01/31/23 00:55	1.0	1	2:FE=260
205	met06_master011	SAMPLE	478268-009	Soil	306479	01/31/23 00:59	1.0	1	2:FE=200
206	met06_master011	SAMPLE	478268-010	Soil	306479	01/31/23 01:02	1.0	1	2:FE=250
207	met06_master011	SAMPLE	478268-011	Soil	306479	01/31/23 01:05	1.0	1	4:FEASFE2O3=520
208	met06_master011	SAMPLE	478268-012	Soil	306479	01/31/23 01:09	1.0	1	4:FEASFE2O3=450

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master011	CCV				01/31/23 01:12	1.0	10 1	
210	met06_master011	CCB				01/31/23 01:15	1.0	1	
211	met06_master011	MSS	478269-001	Soil	306479	01/31/23 01:18	1.0	1	4:FEASFE2O3=180
212	met06_master011	MS	QC1042164	Soil	306479	01/31/23 01:22	1.0	1	4:ALASAL2O3=210
213	met06_master011	SAMPLE	478211-003	Soil	306257	01/31/23 01:25	1.0	1	2:FE=92
214	met06_master011	SAMPLE	478211-004	Soil	306257	01/31/23 01:28	1.0	1	2:AL=96
215	met06_master011	SAMPLE	478211-005	Soil	306257	01/31/23 01:31	1.0	1	2:AL=84
216	met06_master011	SAMPLE	478211-006	Soil	306257	01/31/23 01:35	1.0	1	2:AL=61
217	met06_master011	SAMPLE	478211-007	Soil	306257	01/31/23 01:38	1.0	1	2:FE=110
218	met06_master011	SAMPLE	478211-008	Soil	306257	01/31/23 01:41	1.0	1	2:FE=170
219	met06_master011	SAMPLE	478211-009	Soil	306257	01/31/23 01:44	1.0	1	2:AL=120
220	met06_master011	SAMPLE	478211-010	Soil	306257	01/31/23 01:48	1.0	1	2:FE=120
221	met06_master011	CCV				01/31/23 01:51	1.0	10 1	
222	met06_master011	CCB				01/31/23 01:54	1.0	1	
223	met06_master011	SAMPLE	478211-011	Soil	306257	01/31/23 01:57	1.0	1	2:FE=90
224	met06_master011	SAMPLE	478211-012	Soil	306257	01/31/23 02:00	1.0	1	3:CA=1100
225	met06_master011	SAMPLE	478214-001	Miscell.	306257	01/31/23 02:04	1.0	1	2:AL=66
226	met06_master011	SAMPLE	478263-001	Miscell.	306257	01/31/23 02:07	1.0	1	2:FE=160
227	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 02:10	1.0	1	3:FE=130
228	met06_master011	SAMPLE	478037-005	Soil	306202	01/31/23 02:13	1.0	1	2:AL=190
229	met06_master011	SAMPLE	478037-010	Soil	306202	01/31/23 02:17	1.0	1	2:AL=200
230	met06_master011	SAMPLE	478040-005	Soil	306202	01/31/23 02:20	1.0	1	2:AL=190
231	met06_master011	SAMPLE	478040-010	Soil	306202	01/31/23 02:23	1.0	1	3:AL=230
232	met06_master011	SAMPLE	478072-001	Miscell.	306202	01/31/23 02:26	1.0	1	3:FE=170
233	met06_master011	CCV				01/31/23 02:30	1.0	10 1	
234	met06_master011	CCB				01/31/23 02:33	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
235	met06_master011	SAMPLE	478072-002	Miscell.	306202	01/31/23 02:36	1.0	1	3:FE=160
236	met06_master011	SAMPLE	478072-007	Soil	306202	01/31/23 02:39	1.0	1	3:FE=230
237	met06_master011	SAMPLE	478011-002	Soil	306209	01/31/23 02:43	1.0	1	3:AL=290
238	met06_master011	SAMPLE	478011-003	Soil	306209	01/31/23 02:46	1.0	1	2:AL=230
239	met06_master011	SAMPLE	478011-004	Soil	306209	01/31/23 02:49	1.0	1	2:AL=230
240	met06_master011	SAMPLE	478011-005	Soil	306209	01/31/23 02:52	1.0	1	2:AL=290
241	met06_master011	SAMPLE	478011-006	Soil	306209	01/31/23 02:56	1.0	1	2:AL=280
242	met06_master011	SAMPLE	478034-005	Soil	306209	01/31/23 02:59	1.0	1	3:AL=180
243	met06_master011	SAMPLE	478036-001	Soil	306209	01/31/23 03:02	1.0	1	2:FE=200
244	met06_master011	SAMPLE	478036-002	Soil	306209	01/31/23 03:05	1.0	1	2:FE=240
245	met06_master011	CCV				01/31/23 03:09	1.0	10 1	
246	met06_master011	CCB				01/31/23 03:12	1.0	1	
247	met06_master011	SAMPLE	478036-003	Soil	306209	01/31/23 03:15	1.0	1	3:FE=250
248	met06_master011	SAMPLE	478036-004	Soil	306209	01/31/23 03:18	1.0	1	2:FE=240
249	met06_master011	SAMPLE	478036-005	Soil	306209	01/31/23 03:22	1.0	1	2:FE=220
250	met06_master011	SAMPLE	478036-006	Soil	306209	01/31/23 03:25	1.0	1	2:FE=230
251	met06_master011	SAMPLE	478036-007	Soil	306209	01/31/23 03:28	1.0	1	2:FE=220
252	met06_master011	SAMPLE	478036-008	Soil	306209	01/31/23 03:31	1.0	1	2:FE=250
253	met06_master011	SAMPLE	478307-001	Water	306425	01/31/23 03:35	1.0	1	1:FE=33
254	met06_master011	SAMPLE	478317-004	Water	306425	01/31/23 03:38	1.0	1	3:FE=130
255	met06_master011	SAMPLE	478317-007	Water	306425	01/31/23 03:41	1.0	1	2:FE=100
256	met06_master011	SAMPLE	478339-001	Water	306425	01/31/23 03:44	1.0	1	1:FE=41
257	met06_master011	CCV				01/31/23 03:48	1.0	10 1	
258	met06_master011	CCB				01/31/23 03:51	1.0	1	
259	met06_master011	SAMPLE	478384-001	Water	306425	01/31/23 03:54	1.0	1	3:FE=160
260	met06_master011	SAMPLE	478042-004	Soil	306211	01/31/23 03:57	1.0	1	3:FE=140

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master011	SAMPLE	478129-005	Soil	306211	01/31/23 04:01	1.0	1	3:FE=190
262	met06_master011	SAMPLE	478129-006	Soil	306211	01/31/23 04:04	1.0	1	3:FE=220
263	met06_master011	SAMPLE	478145-001	Miscell.	306211	01/31/23 04:07	1.0	1	3:FE=170
264	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 04:10	10.0	1	
265	met06_master011	BLANK	QC1042002	TCLP Leachate	306431	01/31/23 04:14	1.0	1	1:NA=950
266	met06_master011	LCS	QC1042003	TCLP Leachate	306431	01/31/23 04:17	1.0	1	1:NA=980
267	met06_master011	MSS	477799-001	TCLP Leachate	306431	01/31/23 04:20	1.0	1	3:NA=1000
268	met06_master011	MS	QC1042004	TCLP Leachate	306431	01/31/23 04:23	1.0	1	3:NA=1000
269	met06_master011	CCV				01/31/23 04:27	1.0	10 1	
270	met06_master011	CCB				01/31/23 04:30	1.0	1	
271	met06_master011	MSD	QC1042005	TCLP Leachate	306431	01/31/23 04:33	1.0	1	3:NA=1000
272	met06_master011	BLANK	QC1041581	Water	306295	01/31/23 04:36	1.0	1	
273	met06_master011	LCS	QC1041582	Water	306295	01/31/23 04:40	1.0	1	
274	met06_master011	SAMPLE	477569-001	Water	306295	01/31/23 04:43	1.0	1	4:MG=1900
275	met06_master011	SAMPLE	477569-002	Water	306295	01/31/23 04:46	1.0	1	4:MG=2700
276	met06_master011	SAMPLE	477569-003	Water	306295	01/31/23 04:49	1.0	1	4:NA=1800
277	met06_master011	SAMPLE	478172-001	Water	306295	01/31/23 04:53	1.0	1	
278	met06_master011	MSS	478242-003	Water	306295	01/31/23 04:56	1.0	1	2:NA=1400
279	met06_master011	MS	QC1041583	Water	306295	01/31/23 04:59	1.0	1	2:NA=1500
280	met06_master011	MSD	QC1041584	Water	306295	01/31/23 05:02	1.0	1	2:NA=1400
281	met06_master011	CCV				01/31/23 05:06	1.0	10 1	
282	met06_master011	CCB				01/31/23 05:09	1.0	1	
283	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 05:12	1.0	1	2:FE=93
284	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 05:15	1.0	1	2:FE=88
285	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 05:19	1.0	1	2:FE=78
286	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 05:22	1.0	1	2:AL=260

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
287	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 05:25	1.0	1	2:FE=120
288	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 05:29	1.0	1	2:FE=110
289	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 05:32	1.0	1	2:FE=86
290	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 05:35	1.0	1	2:FE=170
291	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 05:38	1.0	1	2:FE=90
292	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 05:42	1.0	1	2:FE=90
293	met06_master011	CCV				01/31/23 05:45	1.0	10 1	
294	met06_master011	CCB				01/31/23 05:48	1.0	1	
295	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 05:51	1.0	1	2:FE=86
296	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 05:55	1.0	1	2:FE=97
297	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 05:58	1.0	1	2:FE=97
298	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 06:01	1.0	1	2:FE=460
299	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 06:04	1.0	1	3:AL=270
300	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 06:08	1.0	1	2:FE=160
301	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 06:11	1.0	1	2:FE=160
302	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 06:14	1.0	1	2:FE=200
303	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 06:17	1.0	1	
304	met06_master011	LCS	QC1041429	Water	306249	01/31/23 06:21	1.0	1	
305	met06_master011	CCV				01/31/23 06:24	1.0	10 1	
306	met06_master011	CCB				01/31/23 06:27	1.0	1	
307	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 06:30	1.0	1	
308	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 06:34	1.0	1	
309	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 06:37	1.0	1	
310	met06_master011	MSS	477983-001	Water	306249	01/31/23 06:40	1.0	1	1:CAASCACO3=810
311	met06_master011	MS	QC1041455	Water	306249	01/31/23 06:43	1.0	1	2:CAASCACO3=910
312	met06_master011	MSD	QC1041456	Water	306249	01/31/23 06:47	1.0	1	1:CAASCACO3=810

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 06:50	1.0	1	2:FE=510
314	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 06:53	1.0	1	3:NA=1300
315	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 06:56	1.0	1	1:FE=460
316	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 07:00	1.0	1	1:NA=1000
317	met06_master011	CCV				01/31/23 07:03	1.0	10 1	
318	met06_master011	CCB				01/31/23 07:06	1.0	1	
319	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 07:09	1.0	1	1:FE=460
320	met06_master011	MSS	478044-006	Water	306249	01/31/23 07:13	1.0	1	1:NA=910
321	met06_master011	MS	QC1041430	Water	306249	01/31/23 07:16	1.0	1	
322	met06_master011	MSD	QC1041431	Water	306249	01/31/23 07:19	1.0	1	1:NA=930
323	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 07:22	1.0	1	
324	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 07:26	1.0	1	2:FE=130
325	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 07:29	1.0	1	2:FE=110
326	met06_master011	CCV				01/31/23 07:32	1.0	10 1	
327	met06_master011	CCB				01/31/23 07:36	1.0	1	
328	met06_master011	CCV				01/31/23 08:11	1.0	10 1	
329	met06_master011	CCB				01/31/23 08:14	1.0	1	
330	met06_master011	MSD	QC1042165	Soil	306479	01/31/23 08:23	1.0	1	4:ALASAL2O3=230
331	met06_master011	SAMPLE	478401-001	Miscell.	306479	01/31/23 08:26	1.0	1	
332	met06_master011	MSS	478043-001	Soil	306366	01/31/23 08:32	10.0	1	2:FEASFE2O3=46
333	met06_master011	MS	QC1041778	Soil	306366	01/31/23 08:36	10.0	1	2:FEASFE2O3=44
334	met06_master011	LCS	QC1041418	Water	306246	01/31/23 08:40	1.0	1	
335	met06_master011	MSD	QC1041779	Soil	306366	01/31/23 08:43	10.0	1	2:FEASFE2O3=49
336	met06_master011	PDS	QC1041780	Soil	306366	01/31/23 08:46	10.0	1	2:FEASFE2O3=45
337	met06_master011	CCV				01/31/23 08:49	1.0	10 1	
338	met06_master011	CCB				01/31/23 08:53	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
339	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 08:56	1.0	1	2:FE=94
340	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 08:59	1.0	1	2:FE=88
341	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 09:02	1.0	1	1:FE=75
342	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 09:06	1.0	1	2:AL=260
343	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 09:09	1.0	1	2:FE=120
344	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 09:12	1.0	1	2:FE=110
345	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 09:15	1.0	1	1:FE=86
346	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 09:19	1.0	1	2:FE=170
347	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 09:22	1.0	1	2:FE=90
348	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 09:25	1.0	1	1:FE=88
349	met06_master011	CCV				01/31/23 09:28	1.0	10 1	
350	met06_master011	CCB				01/31/23 09:32	1.0	1	
351	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 09:35	1.0	1	2:FE=88
352	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 09:38	1.0	1	2:FE=97
353	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 09:41	1.0	1	1:FE=95
354	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 09:45	1.0	1	1:FE=430
355	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 09:48	1.0	1	3:AL=260
356	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 09:51	1.0	1	2:FE=160
357	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 09:54	1.0	1	2:FE=160
358	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 09:58	1.0	1	2:FE=200
359	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 10:01	1.0	1	
360	met06_master011	LCS	QC1041429	Water	306249	01/31/23 10:04	1.0	1	
361	met06_master011	CCV				01/31/23 10:07	1.0	10 1	
362	met06_master011	CCB				01/31/23 10:11	1.0	1	
363	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 10:14	1.0	1	
364	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 10:17	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 10:20	1.0	1	
366	met06_master011	MSS	477983-001	Water	306249	01/31/23 10:24	1.0	1	
367	met06_master011	MS	QC1041455	Water	306249	01/31/23 10:27	1.0	1	
368	met06_master011	MSD	QC1041456	Water	306249	01/31/23 10:30	1.0	1	
369	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 10:34	1.0	1	1:FE=500
370	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 10:37	1.0	1	3:NA=1300
371	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 10:40	1.0	1	1:FE=450
372	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 10:44	1.0	1	
373	met06_master011	CCV				01/31/23 10:48	1.0	10 1	
374	met06_master011	CCB				01/31/23 10:51	1.0	1	
375	met06_master011	BLANK	QC1042212	Soil	306492	01/31/23 10:55	1.0	1	
376	met06_master011	LCS	QC1042213	Soil	306492	01/31/23 10:58	1.0	1	
377	met06_master011	BLANK	QC1042266	Drinking Water	306505	01/31/23 11:01	1.0	1	
378	met06_master011	LCS	QC1042267	Drinking Water	306505	01/31/23 11:05	1.0	1	
379	met06_master011	SAMPLE	478474-001	Drinking Water	306505	01/31/23 11:08	1.0	1	
380	met06_master011	SAMPLE	478475-001	Drinking Water	306505	01/31/23 11:11	1.0	1	
381	met06_master011	MSS	478476-001	Drinking Water	306505	01/31/23 11:14	1.0	1	
382	met06_master011	MS	QC1042268	Drinking Water	306505	01/31/23 11:17	1.0	1	
383	met06_master011	MSD	QC1042269	Drinking Water	306505	01/31/23 11:21	1.0	1	
384	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 11:24	1.0	1	1:FE=470
385	met06_master011	XCCV				01/31/23 11:27	1.0	10 1	
386	met06_master011	XCCB				01/31/23 11:30	1.0	1	
387	met06_master011	CCV				01/31/23 11:35	1.0	10 1	
388	met06_master011	CCB				01/31/23 11:38	1.0	1	
389	met06_master011	MSS	478044-006	Water	306249	01/31/23 11:41	1.0	1	
390	met06_master011	MS	QC1041430	Water	306249	01/31/23 11:45	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
391	met06_master011	MSD	QC1041431	Water	306249	01/31/23 11:48	1.0	1	
392	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 11:51	1.0	1	
393	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 11:55	1.0	1	2:FE=130
394	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 11:58	1.0	1	2:FE=110
395	met06_master011	PDS	QC1042297	Soil	306479	01/31/23 12:01	1.0	1	4:ALASAL2O3=180
396	met06_master011	CCV				01/31/23 12:04	1.0	10 1	
397	met06_master011	CCB				01/31/23 12:08	1.0	1	
398	met06_master011	BLANK	QC1041989	Soil	306427	01/31/23 12:12	1.0	1	
399	met06_master011	LCS	QC1041990	Soil	306427	01/31/23 12:15	1.0	1	
400	met06_master011	MSS	477276-026	Soil	306427	01/31/23 12:18	1.0	1	4:ALASAL2O3=350
401	met06_master011	MS	QC1041991	Soil	306427	01/31/23 12:21	1.0	1	5:ALASAL2O3=420
402	met06_master011	MSD	QC1041992	Soil	306427	01/31/23 12:25	1.0	1	5:ALASAL2O3=460
403	met06_master011	PDS	QC1042047	Soil	306427	01/31/23 12:28	1.0	1	5:ALASAL2O3=340
404	met06_master011	SAMPLE	477276-027	Soil	306427	01/31/23 12:31	1.0	1	2:FE=260
405	met06_master011	SAMPLE	477276-028	Soil	306427	01/31/23 12:34	1.0	1	2:FE=260
406	met06_master011	SAMPLE	477276-029	Soil	306427	01/31/23 12:38	1.0	1	2:FE=270
407	met06_master011	SAMPLE	478373-030	Wipe	306440	01/31/23 12:41	10.0	1	
408	met06_master011	CCV				01/31/23 12:44	1.0	10 1	
409	met06_master011	CCB				01/31/23 12:47	1.0	1	
410	met06_master011	BLANK	QC1042323	Filtrate	306535	01/31/23 12:51	1.0	1	
411	met06_master011	BS	QC1042324	Filtrate	306535	01/31/23 12:54	1.0	1	
412	met06_master011	BSD	QC1042325	Filtrate	306535	01/31/23 12:58	1.0	1	
413	met06_master011	SAMPLE	476977-001	Filtrate	306535	01/31/23 13:01	1.0	1	
414	met06_master011	SAMPLE	476977-005	Filtrate	306535	01/31/23 13:04	1.0	1	
415	met06_master011	SAMPLE	478373-034	Wipe	306440	01/31/23 13:08	10.0	1	
416	met06_master011	SAMPLE	478373-037	Wipe	306440	01/31/23 13:11	10.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master011	SAMPLE	478373-039	Wipe	306440	01/31/23 13:14	10.0	1	
418	met06_master011	SAMPLE	478373-041	Wipe	306440	01/31/23 13:17	10.0	1	
419	met06_master011	SAMPLE	478373-043	Wipe	306440	01/31/23 13:21	10.0	1	
420	met06_master011	CCV				01/31/23 13:24	1.0	10 1	
421	met06_master011	CCB				01/31/23 13:27	1.0	1	
422	met06_master011	SAMPLE	478373-045	Wipe	306440	01/31/23 13:30	10.0	1	
423	met06_master011	SAMPLE	478373-047	Wipe	306440	01/31/23 13:34	10.0	1	
424	met06_master011	SAMPLE	478373-049	Wipe	306440	01/31/23 13:37	10.0	1	
425	met06_master011	SAMPLE	478373-050	Wipe	306441	01/31/23 13:40	10.0	1	
426	met06_master011	SAMPLE	478373-052	Wipe	306441	01/31/23 13:43	10.0	1	
427	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 13:47	10.0	1	
428	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 13:50	10.0	1	1:FE=28
429	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 13:53	10.0	1	
430	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 13:56	10.0	1	
431	met06_master011	BLANK	QC1041554	Soil	306287	01/31/23 14:00	1.0	1	
432	met06_master011	CCV				01/31/23 14:03	1.0	10 1	
433	met06_master011	CCB				01/31/23 14:06	1.0	1	
434	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 14:10	1.0	1	
435	met06_master011	LCS	QC1041429	Water	306249	01/31/23 14:13	1.0	1	
436	met06_master011	LCS	QC1041555	Soil	306287	01/31/23 14:16	1.0	1	
437	met06_master011	MSS	478206-001	Soil	306287	01/31/23 14:20	1.0	1	4:FEASFE2O3=480
438	met06_master011	MS	QC1041556	Soil	306287	01/31/23 14:23	1.0	1	4:FEASFE2O3=360
439	met06_master011	MSD	QC1041557	Soil	306287	01/31/23 14:26	1.0	1	5:FEASFE2O3=320
440	met06_master011	PDS	QC1041766	Soil	306287	01/31/23 14:29	1.0	1	4:FEASFE2O3=470
441	met06_master011	SAMPLE	478208-009	Soil	306287	01/31/23 14:33	1.0	1	2:FE=230
442	met06_master011	SAMPLE	478208-010	Soil	306287	01/31/23 14:36	1.0	1	2:FE=200

Enthalpy Sequence Summary for Sequence 483043992

Instrument:	MET06	Begun:	01/30/23 13:12
Method:	EPA 6010B		

SBW 01/31/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 346.

Standards Used:

1=S13369 2=S17856 3=S17855 4=S17854 5=S17853 6=S17852 7=S17851 8=S17857 9=S17858 10=S17901 11=S17918 12=S17605 13=S17891

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	27309900	802542	91936
		LOWER LIMIT	8192970	240763	27581
		UPPER LIMIT	54619800	1605084	183872
013	ICB		27002300	811249	93656
014	ICSA		22593900	725928	86381
015	ICSAB		22754500	721557	86326
016	SAMPLE	477963-001	27725900	819200	91351
017	SAMPLE	477965-001	27518800	822996	91339
018	SAMPLE	477965-002	27280900	695386	21322 *
027	SAMPLE	477965-002	29101700	866297	99397
028	SAMPLE	477965-003	27605500	840409	96508
029	CCV		25077300	815839	91979
030	CCB		27319200	817208	92305
031	BLANK	QC1040706	27213900	817579	93202
032	LCS	QC1040707	26044800	790431	93697
041	SAMPLE	477538-001	26610300	821667	98102
042	SAMPLE	477538-002	26807200	812458	96913
043	SAMPLE	477538-003	26575200	807337	95713
044	MSS	477943-001	27877700	841573	97757
045	MS	QC1040708	27099300	827248	96225
046	MSD	QC1040709	26984500	826675	95900
047	SAMPLE	477089-001	28169100	850700	96759
048	CCV		25414100	823537	92989
049	CCB		27601300	831574	93761
050	BLANK	QC1041981	27519200	825903	93439
051	LCS	QC1041982	26806800	800074	93363
052	MSS	478317-009	25177300	818944	93893
053	MS	QC1041983	25136700	817080	95175
054	MSD	QC1041984	24922900	817071	94161
055	CCV		25888300	818429	93907
056	CCB		27786700	839912	95772
057	BLANK	QC1041229	27529800	827491	94891
058	LCS	QC1041230	26168800	792289	91980
059	SAMPLE	478161-001	20718500	696428	92858
060	SAMPLE	478330-001	25542400	821563	90443
061	MSS	478161-002	25568300	821519	92283
062	MS	QC1041231	25214200	819917	94082
063	MSD	QC1041232	25565200	825043	95096
064	SAMPLE	478161-003	26112100	807464	93957
065	CCV		25570100	804521	93920
066	CCB		27653300	837363	95054
067	LCS	QC1041326	26816400	807860	94059
068	MSS	478142-001	25990900	817123	94690
069	MS	QC1041327	25967800	820803	94378
070	MSD	QC1041328	25986200	793696	93809
071	PDS	QC1041329	26017400	810852	94770
072	SAMPLE	478202-001	26776900	872140	118328
073	SAMPLE	478202-002	27373200	846754	104265
075	CCV		25173100	809974	94400
076	CCB		27060600	816499	96332
077	LCS	QC1040220	25501400	821488	91270

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
078	SAMPLE	476977-002	28060400	857153	99493
079	SAMPLE	476977-003	28060700	856712	97406
080	SAMPLE	476977-004	27756800	854393	96535
081	LCS	QC1041418	26184900	811524	94332
082	SAMPLE	477696-003	24880400	821993	92517
083	SAMPLE	478108-001	26121100	811902	94562
084	MSS	478193-001	26275900	819057	94347
085	MS	QC1041419	25296100	827457	92514
086	MSD	QC1041420	25258800	836010	92162
087	CCV		24366100	816433	91497
088	CCB		26475100	819666	91598
089	BLANK	QC1041807	27572100	844871	95443
090	LCS	QC1041808	26270100	813465	93415
091	MSS	477789-001	25831700	798690	94749
092	MS	QC1041809	25537700	831235	94186
093	MSD	QC1041810	25398800	830312	94817
094	SAMPLE	477789-002	27211000	827670	95981
095	SAMPLE	477789-003	25435700	827695	90338
096	BLANK	QC1041776	25698500	797836	88247
097	LCS	QC1041777	25735900	802374	89461
098	MSS	478043-001	24005000	784547	89319
099	CCV		24867900	811520	90384
100	CCB		26727500	812465	92438
101	MS	QC1041778	24009100	794492	90270
102	MSD	QC1041779	24227200	799348	90621
103	PDS	QC1041780	24010500	790263	89242
104	SAMPLE	478302-001	24770300	801223	89524
105	BLANK	QC1042048	25706000	807723	86714
106	BS	QC1042049	24973800	796787	86901
107	BSD	QC1042050	24629600	793846	85938
108	SAMPLE	478361-002	25168400	812183	89162
109	SAMPLE	478361-004	24448700	788537	85844
110	SAMPLE	478361-005	25123200	800486	85735
111	CCV		25338300	812648	91089
112	CCB		27217400	824715	92335
113	SAMPLE	478362-002	24759800	799726	87587
114	SAMPLE	478362-004	25785500	790454	84875
115	SAMPLE	478362-006	24675100	787120	84947
116	SAMPLE	478362-008	24834600	784842	84904
117	SAMPLE	478362-010	24476100	783480	85749
118	SAMPLE	478368-002	25648400	774424	84526
119	SAMPLE	478371-002	24480600	775746	84961
120	SAMPLE	478371-003	25120700	799081	86530
121	SAMPLE	478371-005	24332800	790143	86866
122	SAMPLE	478371-006	24838500	803536	86846
123	CCV		25711500	812428	93230
124	CCB		27561600	854300	93806
125	SAMPLE	478371-009	24321900	794580	86601
126	SAMPLE	478371-012	24637400	800935	86217
127	SAMPLE	478371-014	24459800	793082	87701
128	SAMPLE	478373-002	24844500	806588	85902
129	SAMPLE	478373-004	24827300	806684	86650

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
130	SAMPLE	478373-007	24488400	791602	86269
131	SAMPLE	478373-009	24428500	785084	84906
132	BLANK	QC1041457	27195600	821973	90454
133	LCS	QC1041458	26326400	803418	87721
134	SAMPLE	478036-009	24202500	795545	89418
135	CCV		24807100	821339	88775
136	CCB		26927600	833357	90889
137	SAMPLE	478036-010	23776800	797041	90464
138	SAMPLE	478036-011	23900700	816408	88614
139	SAMPLE	478036-012	24698100	820059	87052
140	SAMPLE	478169-001	24474300	818675	89389
142	MSS	478211-001	26048800	812401	92832
143	MS	QC1041459	25120800	815641	91531
144	MSD	QC1041460	25069000	821819	90883
145	PDS	QC1041461	25948800	811149	92157
146	SAMPLE	478211-002	25831900	818304	88861
147	CCV		24911500	817318	88778
148	CCB		27096600	826553	91051
149	CCV		25263600	814828	91127
150	CCB		27114500	823514	90921
151	BLANK	QC1042029	25956800	804009	86731
152	BS	QC1042030	25497200	817939	86615
153	BSD	QC1042031	24525800	794928	84120
154	SAMPLE	478373-011	25229500	804523	87016
155	SAMPLE	478373-012	24925300	795438	85639
156	SAMPLE	478373-014	25022100	783157	83509
157	SAMPLE	478373-016	25377900	804160	86908
158	SAMPLE	478373-018	25365800	812897	86072
159	SAMPLE	478373-020	25348400	809443	86050
160	SAMPLE	478373-022	25662500	812473	86741
161	CCV		25260200	799844	90588
162	CCB		27167000	835852	92402
163	SAMPLE	478373-024	25240900	799758	86082
164	SAMPLE	478373-026	25693700	815873	87705
165	SAMPLE	478373-028	25644100	817523	87670
166	SAMPLE	478373-030	24946200	805428	86318
167	SAMPLE	478373-032	24937400	803183	86187
168	SAMPLE	478373-034	25061100	802046	86739
169	SAMPLE	478373-037	25408600	811927	88756
172	SAMPLE	478373-039	24561700	792586	84123
173	CCV		25186900	822802	89809
174	CCB		27280600	835879	91626
175	SAMPLE	478373-041	24296200	776938	84156
176	SAMPLE	478373-043	24977800	805092	85915
177	SAMPLE	478373-045	24341100	784364	82574
178	SAMPLE	478373-047	24901000	799722	84377
179	SAMPLE	478373-049	25162000	805500	85286
180	BLANK	QC1042034	24932500	791435	82881
181	BS	QC1042035	24288700	774359	81530
182	BSD	QC1042036	24399700	776588	83304
183	SAMPLE	478373-050	24675000	787692	83841
184	SAMPLE	478373-052	24286700	780034	82943

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
185	CCV		25463500	801422	88479
186	CCB		27729800	845716	93195
187	SAMPLE	478373-054	23885500	765270	82824
188	SAMPLE	478373-056	24496200	783643	84201
189	SAMPLE	478373-058	24937000	788566	86215
190	SAMPLE	478373-060	25967300	792672	84715
191	SAMPLE	478373-062	25262200	806253	85624
192	SAMPLE	478373-064	24888100	793914	86918
193	BLANK	QC1042162	27730200	839660	91975
194	LCS	QC1042163	26837500	821281	91458
195	SAMPLE	478268-001	25139300	821882	92391
196	SAMPLE	478268-002	23609200	765821	89304
197	CCV		24999100	823400	90191
198	CCB		27475800	842794	90667
199	SAMPLE	478268-003	25439500	817074	88419
200	SAMPLE	478268-004	25088400	820892	89564
201	SAMPLE	478268-005	25229300	815561	90595
202	SAMPLE	478268-006	25513100	787975	91233
203	SAMPLE	478268-007	25429800	814094	89831
204	SAMPLE	478268-008	25293600	821663	87899
205	SAMPLE	478268-009	24502700	798864	89302
206	SAMPLE	478268-010	25117300	822339	88503
207	SAMPLE	478268-011	24713200	812003	87860
208	SAMPLE	478268-012	24709200	812446	88378
209	CCV		24794600	809651	90208
210	CCB		27148400	835711	91877
211	MSS	478269-001	25539500	798906	90503
212	MS	QC1042164	25228800	803914	89337
213	SAMPLE	478211-003	25672000	803304	90342
214	SAMPLE	478211-004	24953000	807916	88547
215	SAMPLE	478211-005	25144100	817229	87504
216	SAMPLE	478211-006	25474900	801855	88396
217	SAMPLE	478211-007	25283000	807486	87809
218	SAMPLE	478211-008	24796200	812943	88108
219	SAMPLE	478211-009	24551100	807926	87610
220	SAMPLE	478211-010	23987200	779423	85772
221	CCV		24871000	820309	88786
222	CCB		27035100	827421	91253
223	SAMPLE	478211-011	24726700	797325	86736
224	SAMPLE	478211-012	22626500	732678	84295
225	SAMPLE	478214-001	25282300	819072	87790
226	SAMPLE	478263-001	24894900	807206	85547
227	SAMPLE	477964-001	25209200	814070	86493
228	SAMPLE	478037-005	24487700	801392	87630
229	SAMPLE	478037-010	24292100	796959	87384
230	SAMPLE	478040-005	24179100	787809	86940
231	SAMPLE	478040-010	23331800	769774	85824
232	SAMPLE	478072-001	24735400	814938	87159
233	CCV		24663400	809002	87966
234	CCB		26771700	812964	89833
235	SAMPLE	478072-002	24602700	795981	87295
236	SAMPLE	478072-007	24292200	798527	87717

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
237	SAMPLE	478011-002	24010600	791973	86803
238	SAMPLE	478011-003	24546200	807864	87300
239	SAMPLE	478011-004	24334700	800646	87238
240	SAMPLE	478011-005	24578100	809216	89050
241	SAMPLE	478011-006	24582300	802355	89087
242	SAMPLE	478034-005	24333000	790142	86907
243	SAMPLE	478036-001	24085900	782414	87150
244	SAMPLE	478036-002	23602200	768313	86080
245	CCV		24411900	803374	86876
246	CCB		26705900	804101	88747
247	SAMPLE	478036-003	23951800	775996	87505
248	SAMPLE	478036-004	24028900	772570	85307
249	SAMPLE	478036-005	23908700	769533	85187
250	SAMPLE	478036-006	23960800	767285	85893
251	SAMPLE	478036-007	23721400	768994	87013
252	SAMPLE	478036-008	23731600	765778	86731
253	SAMPLE	478307-001	21675800	728469	88949
254	SAMPLE	478317-004	23426100	763249	85725
255	SAMPLE	478317-007	23207500	753448	86404
256	SAMPLE	478339-001	24482800	768308	85578
257	CCV		24551800	788127	85633
258	CCB		26797900	802965	91817
259	SAMPLE	478384-001	22132000	722019	87552
260	SAMPLE	478042-004	24677100	796821	89160
261	SAMPLE	478129-005	24412400	780267	87316
262	SAMPLE	478129-006	24049100	771160	88129
263	SAMPLE	478145-001	24870900	789646	88512
264	SAMPLE	477964-001	27411600	812626	93235
265	BLANK	QC1042002	22012100	717709	87842
266	LCS	QC1042003	21574100	718251	87262
267	MSS	477799-001	21549700	708635	87052
268	MS	QC1042004	21338800	704976	86056
269	CCV		24479600	779354	85812
270	CCB		26792900	786884	89286
271	MSD	QC1042005	21265500	701664	87066
272	BLANK	QC1041581	25165900	781242	85433
273	LCS	QC1041582	24348600	752163	82997
274	SAMPLE	477569-001	13884500	455994	77295
275	SAMPLE	477569-002	12770700	410006	74151
276	SAMPLE	477569-003	15411100	505166	79325
277	SAMPLE	478172-001	24289600	767645	86842
278	MSS	478242-003	19351100	645447	87330
279	MS	QC1041583	19180800	635462	84325
280	MSD	QC1041584	19449500	644759	86132
281	CCV		24636700	769853	84798
282	CCB		27139100	782684	88720
283	SAMPLE	478043-002	24924800	780705	86533
284	SAMPLE	478043-003	24978200	773209	84586
285	SAMPLE	478043-004	25022900	771116	84433
286	SAMPLE	478043-005	24006300	747372	84887
287	SAMPLE	478043-006	24775200	765969	84071
288	SAMPLE	478043-007	24812100	762056	84249

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
289	SAMPLE	478043-008	25060900	768917	84036
290	SAMPLE	478043-009	24482400	754851	83425
291	SAMPLE	478043-010	25138500	767159	84129
292	SAMPLE	478043-011	25268700	774156	87043
293	CCV		24825800	793831	92974
294	CCB		26998300	774009	89926
295	SAMPLE	478043-012	25096100	775806	88488
296	SAMPLE	478043-013	25105600	768700	86996
297	SAMPLE	478043-014	24979000	769268	86435
298	SAMPLE	478110-004	24828300	767666	88315
299	SAMPLE	478110-005	24566500	761521	87858
300	SAMPLE	478130-007	24543900	749038	87240
301	SAMPLE	478130-008	24799900	763008	87654
302	SAMPLE	478130-009	24564800	751962	88024
303	BLANK	QC1041428	27730300	794178	90422
304	LCS	QC1041429	25977800	769756	88660
305	CCV		59464800 *	1676020 *	208881 *
306	CCB		26799900	768295	86504
310	MSS	477983-001	21041100	677251	83211
311	MS	QC1041455	20582800	663123	82254
312	MSD	QC1041456	20884500	662880	81032
313	SAMPLE	478044-001	23624100	744572	80727
314	SAMPLE	478044-002	19653000	647818	81223
315	SAMPLE	478044-003	21988200	702118	79694
316	SAMPLE	478044-004	20761000	685039	89024
317	CCV		59301200 *	1717000 *	205760 *
318	CCB		26899100	767993	88303
319	SAMPLE	478044-005	23415400	730078	90007
320	MSS	478044-006	22256600	708878	92041
321	MS	QC1041430	22422400	701544	90685
322	MSD	QC1041431	22286000	700639	90877
323	SAMPLE	478100-001	25597300	769629	88254
324	SAMPLE	478019-016	25292800	757554	88076
325	SAMPLE	478019-020	28542000	818244	99724
326	CCV		59831000 *	1731590 *	206070 *
327	CCB		27331600	764165	88523
328	CCV		24160200	688969	94181
329	CCB		26332000	758456	96834
330	MSD	QC1042165	24387700	710522	89189
331	SAMPLE	478401-001	27677000	790841	92524
332	MSS	478043-001	26779400	785296	91187
333	MS	QC1041778	26889100	783323	87609
334	LCS	QC1041418	26054100	763698	89330
335	MSD	QC1041779	27091500	783655	90858
336	PDS	QC1041780	27117500	781399	91160
337	CCV		24711300	725598	85691
338	CCB		27025600	770117	87130
339	SAMPLE	478043-002	25171600	732775	84079
340	SAMPLE	478043-003	25248200	727666	85705
341	SAMPLE	478043-004	25225700	755446	188460 *
342	SAMPLE	478043-005	23755900	678997	83645
343	SAMPLE	478043-006	24979400	710131	82924

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
344	SAMPLE	478043-007	25318200	711820	83421
345	SAMPLE	478043-008	25463000	725081	133097
346	SAMPLE	478043-009	24707800	704632	84639
347	SAMPLE	478043-010	25434700	719649	85105
348	SAMPLE	478043-011	25758700	728380	128349
349	CCV		24666000	706819	84049
350	CCB		27086800	758364	87293
351	SAMPLE	478043-012	25234600	712577	86416
352	SAMPLE	478043-013	25644100	723164	86665
353	SAMPLE	478043-014	25319300	720023	136457
354	SAMPLE	478110-004	25154000	767011	166594
355	SAMPLE	478110-005	24665800	714883	93288
356	SAMPLE	478130-007	24730900	699091	106461
357	SAMPLE	478130-008	24789100	702158	94281
358	SAMPLE	478130-009	24752300	692199	95207
359	BLANK	QC1041428	27944200	759054	95203
360	LCS	QC1041429	26691100	734899	88392
361	CCV		24654900	697137	86652
362	CCB		27361300	741912	87748
366	MSS	477983-001	22216600	664738	200339 *
367	MS	QC1041455	22025500	697303	154780
368	MSD	QC1041456	22295800	1025860	197598 *
369	SAMPLE	478044-001	25515500	715258	92222
370	SAMPLE	478044-002	21313600	623830	91408
371	SAMPLE	478044-003	24045600	686702	100401
372	SAMPLE	478044-004	22723700	665012	117766
373	CCV		25282800	706405	88365
374	CCB		27631900	748766	90408
375	BLANK	QC1042212	26157300	700490	83940
376	LCS	QC1042213	25706800	705955	85367
377	BLANK	QC1042266	27473800	749722	89803
378	LCS	QC1042267	26194100	723358	87850
379	SAMPLE	478474-001	27368000	747638	89961
380	SAMPLE	478475-001	27527300	751325	91930
381	MSS	478476-001	27399200	750920	91669
382	MS	QC1042268	26660700	739533	91888
383	MSD	QC1042269	26859800	738379	91128
384	SAMPLE	478044-005	24127400	678761	93683
387	CCV		25460300	703431	89240
388	CCB		27648700	744154	90013
389	MSS	478044-006	23292700	665852	103671
390	MS	QC1041430	23032700	658974	98735
391	MSD	QC1041431	22885200	652574	125832
392	SAMPLE	478100-001	26634000	772085	187759 *
393	SAMPLE	478019-016	26432600	722850	129459
394	SAMPLE	478019-020	29761600	762827	109313
395	PDS	QC1042297	26340400	723542	91887
396	CCV		25382500	699154	87295
397	CCB		27699400	743065	89868
398	BLANK	QC1041989	27725200	732677	89065
399	LCS	QC1041990	26721300	720986	86598
400	MSS	477276-026	26419700	718063	88594

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
401	MS	QC1041991	25982900	716970	89496
402	MSD	QC1041992	25742800	713112	88799
403	PDS	QC1042047	25795700	716172	88565
404	SAMPLE	477276-027	25668000	708312	87762
405	SAMPLE	477276-028	25757400	710639	87973
406	SAMPLE	477276-029	26089900	720003	89104
407	SAMPLE	478373-030	28809700	736196	92981
408	CCV		25588400	714470	87811
409	CCB		27994300	755368	88953
410	BLANK	QC1042323	27625600	755618	88878
411	BS	QC1042324	26309100	738548	88181
412	BSD	QC1042325	26324600	745294	87656
413	SAMPLE	476977-001	28572300	750578	92494
414	SAMPLE	476977-005	28128100	757192	90804
415	SAMPLE	478373-034	28039800	759091	91288
416	SAMPLE	478373-037	27831300	756338	89246
417	SAMPLE	478373-039	27836800	775701	89230
418	SAMPLE	478373-041	27783400	777305	89492
419	SAMPLE	478373-043	27593900	774849	88888
420	CCV		24668900	711270	83950
421	CCB		26971500	754247	88213
422	SAMPLE	478373-045	27676000	762656	89550
423	SAMPLE	478373-047	27485300	760373	89337
424	SAMPLE	478373-049	27770300	765756	91111
425	SAMPLE	478373-050	27379900	753744	89550
426	SAMPLE	478373-052	27126100	746464	88743
427	SAMPLE	478373-054	27272300	742389	91596
428	SAMPLE	478373-056	27467800	746049	89433
429	SAMPLE	478373-058	27553400	746883	90234
430	SAMPLE	478373-062	27512100	752317	92230
431	BLANK	QC1041554	26657100	725077	88246
432	CCV		24487700	677638	85158
433	CCB		26586900	726971	88817
434	BLANK	QC1041428	27774100	737211	90869
435	LCS	QC1041429	26416300	707495	87469
436	LCS	QC1041555	26187700	695008	87013
437	MSS	478206-001	25069300	682371	90749
438	MS	QC1041556	24803200	684233	90667
439	MSD	QC1041557	25078900	684898	90671
440	PDS	QC1041766	25093700	688189	88506
441	SAMPLE	478208-009	24752500	678420	88383
442	SAMPLE	478208-010	25293800	686295	89848

ENTHALPY INITIAL CALIBRATION FOR 478361 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483043992001	Date:	30-JAN-2023 13:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483043992003	L1	30-JAN-2023 13:23	S17856, S13369 (100X)
L2	met06_master011	483043992004	L2	30-JAN-2023 13:26	S17855, S13369 (100X)
L3	met06_master011	483043992005	L3	30-JAN-2023 13:29	S17854, S13369 (100X)
L4	met06_master011	483043992006	L4	30-JAN-2023 13:33	S17853, S13369 (100X)
L5	met06_master011	483043992007	L5	30-JAN-2023 13:36	S17852, S13369 (100X)
L6	met06_master011	483043992008	L6	30-JAN-2023 13:39	S17851, S13369 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00309	34.8131		0.0240	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	0.0232	0.0329	0.0310	0.0288	0.0287

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-10	0.0100	12	0.1000	18	1.0000	8	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	483043992001	Cal Date:	30-JAN-2023

- ICV 483043992011 (30-JAN-2023) stds: S17901, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.047	mg/l	5	10	

ENTHALPY INSTRUMENT BLANK FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992013.2	File:	met06_master011	Time:	30-JAN-2023 13:56
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001974]	0.003333	---	mg/l	!ICB

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27002300	-1.13
Yttrium	A	802542	811249	1.08
Yttrium	R	91936	93656	1.87

!=warning ICB=instrument blank

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992014.2	File:	met06_master011	Time:	30-JAN-2023 13:59
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17605, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01370	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	150.5	mg/l	94	
Aluminum	R	400.0	420.4	mg/l	105	calc
Calcium	R	400.0	405.8	mg/l	101	
Magnesium	R	400.0	394.4	mg/l	99	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22593900	-17.27
Yttrium	A	802542	725928	-9.55
Yttrium	R	91936	86381	-6.04

+=high bias a=ICSA calc=check quantitation

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992015	File:	met06_master011	Time:	30-JAN-2023 14:02
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17891, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.057	mg/l	6	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22754500	-16.68
Yttrium	A	802542	721557	-10.09
Yttrium	R	91936	86326	-6.10

ENTHALPY CONTINUING CALIBRATION FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992099	File:	met06_master011	Time:	30-JAN-2023 19:00
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0295	1.000	1.029	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	24867900	-8.94
Yttrium	A	802542	811520	1.12
Yttrium	R	91936	90384	-1.69

ENTHALPY INSTRUMENT BLANK FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992100	File:	met06_master011	Time:	30-JAN-2023 19:03
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	26727500	-2.13
Yttrium	A	802542	812465	1.24
Yttrium	R	91936	92438	0.55

ENTHALPY CONTINUING CALIBRATION FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992111	File:	met06_master011	Time:	30-JAN-2023 19:39
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0300	1.000	1.049	mg/l	5	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	25338300	-7.22
Yttrium	A	802542	812648	1.26
Yttrium	R	91936	91089	-0.92

ENTHALPY INSTRUMENT BLANK FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992112	File:	met06_master011	Time:	30-JAN-2023 19:42
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27217400	-0.34
Yttrium	A	802542	824715	2.76
Yttrium	R	91936	92335	0.43

SAMPLE PREPARATION SUMMARY

Batch # : 306445 Analysis : ICP
Started By : PAJ Prep Date : 30-JAN-2023 12:30 Finished By : PAJ
Method : 3050B Units : ft2
Spike #1 ID : S17422 Spike #2 ID : S17423

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
478361-002		Wipe	1	50	1	50.0						6010	
478361-004		Wipe	1.138	50	1	43.94						6010	
478361-005		Wipe	1	50	1	50.0						6010	
478362-002		Wipe	1	50	1	50.0						6010	
478362-004		Wipe	1	50	1	50.0						6010	
478362-006		Wipe	1	50	1	50.0						6010	
478362-008		Wipe	1	50	1	50.0						6010	
478362-010		Wipe	1.04	50	1	48.08						6010	
478368-002		Wipe	1	50	1	50.0						6010	
478371-002		Wipe	1	50	1	50.0						6010	
478371-003		Wipe	1	50	1	50.0						6010	
478371-005		Wipe	1	50	1	50.0						6010	
478371-006		Wipe	1	50	1	50.0						6010	
478371-009		Wipe	1	50	1	50.0						6010	
478371-012		Wipe	1	50	1	50.0						6010	
478371-014		Wipe	1	50	1	50.0						6010	
478373-002		Wipe	1	50	1	50.0						6010	
478373-004		Wipe	1	50	1	50.0						6010	
478373-007		Wipe	1	50	1	50.0						6010	
478373-009		Wipe	1	50	1	50.0						6010	
QC1042048	BLANK	Wipe	1	50	1	50.0						ICP	
QC1042049	BS	Wipe	1	50	1	50.0		.5	.5			ICP	
QC1042050	BSD	Wipe	1	50	1	50.0		.5	.5			ICP	

Analyst: SBW Date: 01/31/23 Reviewer: MCP Date: 01/31/23

ICP Prep Log

Initials: PAJ / KLN Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 306445

Prep Start, Date/Time: 1/30/23 ~~11:59~~ PAJ 1/30/23 12:30 Prep End, Date/Time: 1/30/23 14:45

Therm ID/Corr Factor: 942650 / 0°C

HotBlock Temp (Obs/Cor), °C: 91 / 91

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	----	----	----					
LCS	----	----	----		NA	50	MLD150000011	
LCSD								
478361-2	A	NA	wipe	whole wipe				
-4	A							
-5	A							
362-2	A							
-4	A							
-6	A							
-8	A							
-10	A							
368-2	A							
371-2	A							
-3	A							
-5	A							
-6	A							
-9	A							
-12	A							
-14	A							
373-2	A							
-4	A							
-7	A							
-9	A							
							MLD 015000011	

Hydrochloric Acid ID: 10ml 2237036

Nitric Acid ID: 10ml 2072090645

H_2O_2 ID: 3ml 223401

LCS Spike ID: 1LSD 0.5ml (817422, 817423)

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			01/30/23 13:12	1.0	1	
002	met06_master011	ICALBLK	CALBLANK			01/30/23 13:20	1.0	1	
003	met06_master011	ICAL	L1			01/30/23 13:23	1.0	2 1	
004	met06_master011	ICAL	L2			01/30/23 13:26	1.0	3 1	
005	met06_master011	ICAL	L3			01/30/23 13:29	1.0	4 1	
006	met06_master011	ICAL	L4			01/30/23 13:33	1.0	5 1	
007	met06_master011	ICAL	L5			01/30/23 13:36	1.0	6 1	
008	met06_master011	ICAL	L6			01/30/23 13:39	1.0	7 1	
009	met06_master011	ICAL	L7			01/30/23 13:43	1.0	8 1	
010	met06_master011	ICAL	L8			01/30/23 13:46	1.0	9 1	
011	met06_master011	ICV				01/30/23 13:49	1.0	10 1	
012	met06_master011	CRI				01/30/23 13:53	1.0	11 1	
013	met06_master011	ICB				01/30/23 13:56	1.0	1	
014	met06_master011	ICSA				01/30/23 13:59	1.0	12 1	6:MGASMGCO3=1400
015	met06_master011	ICSAB				01/30/23 14:02	1.0	13 1	6:MGASMGCO3=1400
016	met06_master011	SAMPLE	477963-001	Soil	306052	01/30/23 14:07	20.0	1	
017	met06_master011	SAMPLE	477965-001	Soil	306052	01/30/23 14:11	20.0	1	
018	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:14	20.0	1	3:AL=68
019	met06_master011	XSAMPLE	477965-003	Soil	306052	01/30/23 14:17	20.0	1	
020	met06_master011	XBLANK	QC1040706	Drinking Water	305982	01/30/23 14:21	1.0	1	3:MGASMGCO3=680
021	met06_master011	XLCS	QC1040707	Drinking Water	305982	01/30/23 14:24	1.0	1	1:MGASMGCO3=1400
022	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 14:27	1.0	1	
023	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 14:30	1.0	1	
024	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 14:34	1.0	1	
025	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 14:37	1.0	1	3:MGASMGCO3=1400
026	met06_master011	XCCV				01/30/23 14:40	1.0	10 1	2:MGASMGCO3=1100

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:49	100.0	1	
028	met06_master011	SAMPLE	477965-003	Soil	306052	01/30/23 14:53	20.0	1	1:FE=41
029	met06_master011	CCV				01/30/23 14:56	1.0	10 1	
030	met06_master011	CCB				01/30/23 14:59	1.0	1	
031	met06_master011	BLANK	QC1040706	Drinking Water	305982	01/30/23 15:02	1.0	1	
032	met06_master011	LCS	QC1040707	Drinking Water	305982	01/30/23 15:06	1.0	1	
033	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 15:09	1.0	1	
034	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 15:12	1.0	1	
035	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 15:15	1.0	1	1:TI=12
036	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 15:20	1.0	1	2:MGASMGCO3=1700
037	met06_master011	XMS	QC1040708	Drinking Water	305982	01/30/23 15:23	1.0	1	3:MGASMGCO3=830
038	met06_master011	XMSD	QC1040709	Drinking Water	305982	01/30/23 15:26	1.0	1	2:MGASMGCO3=1600
039	met06_master011	XSAMPLE	477089-001	Water	305245	01/30/23 15:29	1.0	1	1:TI=12
040	met06_master011	XCCV				01/30/23 15:33	1.0	10 1	3:MGASMGCO3=960
041	met06_master011	SAMPLE	477538-001	Drinking Water	305982	01/30/23 15:38	1.0	1	
042	met06_master011	SAMPLE	477538-002	Drinking Water	305982	01/30/23 15:41	1.0	1	
043	met06_master011	SAMPLE	477538-003	Drinking Water	305982	01/30/23 15:45	1.0	1	
044	met06_master011	MSS	477943-001	Drinking Water	305982	01/30/23 15:48	1.0	1	
045	met06_master011	MS	QC1040708	Drinking Water	305982	01/30/23 15:51	1.0	1	
046	met06_master011	MSD	QC1040709	Drinking Water	305982	01/30/23 15:55	1.0	1	
047	met06_master011	SAMPLE	477089-001	Water	305245	01/30/23 15:58	1.0	1	
048	met06_master011	CCV				01/30/23 16:01	1.0	10 1	
049	met06_master011	CCB				01/30/23 16:04	1.0	1	
050	met06_master011	BLANK	QC1041981	Water	306425	01/30/23 16:08	1.0	1	
051	met06_master011	LCS	QC1041982	Water	306425	01/30/23 16:11	1.0	1	
052	met06_master011	MSS	478317-009	Water	306425	01/30/23 16:14	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	MS	QC1041983	Water	306425	01/30/23 16:17	1.0	1	
054	met06_master011	MSD	QC1041984	Water	306425	01/30/23 16:21	1.0	1	
055	met06_master011	CCV				01/30/23 16:24	1.0	10 1	
056	met06_master011	CCB				01/30/23 16:27	1.0	1	
057	met06_master011	BLANK	QC1041229	Water	306192	01/30/23 16:30	1.0	1	
058	met06_master011	LCS	QC1041230	Water	306192	01/30/23 16:34	1.0	1	
059	met06_master011	SAMPLE	478161-001	Water	306192	01/30/23 16:37	1.0	1	2:NA=1400
060	met06_master011	SAMPLE	478330-001	Water	306425	01/30/23 16:41	1.0	1	
061	met06_master011	MSS	478161-002	Water	306192	01/30/23 16:44	1.0	1	
062	met06_master011	MS	QC1041231	Water	306192	01/30/23 16:48	1.0	1	
063	met06_master011	MSD	QC1041232	Water	306192	01/30/23 16:51	1.0	1	
064	met06_master011	SAMPLE	478161-003	Water	306192	01/30/23 16:54	1.0	1	
065	met06_master011	CCV				01/30/23 16:57	1.0	10 1	
066	met06_master011	CCB				01/30/23 17:01	1.0	1	
067	met06_master011	LCS	QC1041326	Soil	306211	01/30/23 17:05	1.0	1	
068	met06_master011	MSS	478142-001	Miscell.	306211	01/30/23 17:09	1.0	1	5:FEASFE2O3=250
069	met06_master011	MS	QC1041327	Miscell.	306211	01/30/23 17:12	1.0	1	5:FEASFE2O3=240
070	met06_master011	MSD	QC1041328	Miscell.	306211	01/30/23 17:15	1.0	1	5:FEASFE2O3=260
071	met06_master011	PDS	QC1041329	Miscell.	306211	01/30/23 17:18	1.0	1	5:FEASFE2O3=250
072	met06_master011	SAMPLE	478202-001	Miscell.	306211	01/30/23 17:29	10.0	1	2:FE=410
073	met06_master011	SAMPLE	478202-002	Miscell.	306211	01/30/23 17:33	10.0	1	1:FE=190
074	met06_master011	XCCV				01/30/23 17:36	1.0	10 1	
075	met06_master011	CCV				01/30/23 17:41	1.0	10 1	
076	met06_master011	CCB				01/30/23 17:45	1.0	1	
077	met06_master011	LCS	QC1040220	Filtrate	305816	01/30/23 17:48	1.0	1	
078	met06_master011	SAMPLE	476977-002	Filtrate	305816	01/30/23 17:52	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	476977-003	Filtrate	305816	01/30/23 17:55	1.0	1	
080	met06_master011	SAMPLE	476977-004	Filtrate	305816	01/30/23 17:58	1.0	1	
081	met06_master011	LCS	QC1041418	Water	306246	01/30/23 18:01	1.0	1	
082	met06_master011	SAMPLE	477696-003	Water	306246	01/30/23 18:05	1.0	1	
083	met06_master011	SAMPLE	478108-001	Drinking Water	306246	01/30/23 18:08	1.0	1	
084	met06_master011	MSS	478193-001	Water	306246	01/30/23 18:11	1.0	1	
085	met06_master011	MS	QC1041419	Water	306246	01/30/23 18:14	1.0	1	
086	met06_master011	MSD	QC1041420	Water	306246	01/30/23 18:18	1.0	1	
087	met06_master011	CCV				01/30/23 18:21	1.0	10 1	
088	met06_master011	CCB				01/30/23 18:24	1.0	1	
089	met06_master011	BLANK	QC1041807	Water	306373	01/30/23 18:27	1.0	1	
090	met06_master011	LCS	QC1041808	Water	306373	01/30/23 18:31	1.0	1	
091	met06_master011	MSS	477789-001	Water	306373	01/30/23 18:34	1.0	1	
092	met06_master011	MS	QC1041809	Water	306373	01/30/23 18:37	1.0	1	
093	met06_master011	MSD	QC1041810	Water	306373	01/30/23 18:40	1.0	1	
094	met06_master011	SAMPLE	477789-002	Water	306373	01/30/23 18:44	1.0	1	
095	met06_master011	SAMPLE	477789-003	Water	306373	01/30/23 18:47	1.0	1	
096	met06_master011	BLANK	QC1041776	Soil	306366	01/30/23 18:50	1.0	1	
097	met06_master011	LCS	QC1041777	Soil	306366	01/30/23 18:53	1.0	1	
098	met06_master011	MSS	478043-001	Soil	306366	01/30/23 18:57	1.0	1	7:ALASAL2O3=380
099	met06_master011	CCV				01/30/23 19:00	1.0	10 1	
100	met06_master011	CCB				01/30/23 19:03	1.0	1	
101	met06_master011	MS	QC1041778	Soil	306366	01/30/23 19:06	1.0	1	7:FEASFE2O3=350
102	met06_master011	MSD	QC1041779	Soil	306366	01/30/23 19:10	1.0	1	6:FEASFE2O3=370
103	met06_master011	PDS	QC1041780	Soil	306366	01/30/23 19:13	1.0	1	7:ALASAL2O3=370
104	met06_master011	SAMPLE	478302-001	Soil	306366	01/30/23 19:16	1.0	1	3:FE=220

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	BLANK	QC1042048	Wipe	306445	01/30/23 19:20	1.0	1	
106	met06_master011	BS	QC1042049	Wipe	306445	01/30/23 19:23	1.0	1	
107	met06_master011	BSD	QC1042050	Wipe	306445	01/30/23 19:26	1.0	1	
108	met06_master011	SAMPLE	478361-002	Wipe	306445	01/30/23 19:29	1.0	1	1:FE=66
109	met06_master011	SAMPLE	478361-004	Wipe	306445	01/30/23 19:33	1.0	1	1:FE=75
110	met06_master011	SAMPLE	478361-005	Wipe	306445	01/30/23 19:36	1.0	1	1:FE=84
111	met06_master011	CCV				01/30/23 19:39	1.0	10 1	
112	met06_master011	CCB				01/30/23 19:42	1.0	1	
113	met06_master011	SAMPLE	478362-002	Wipe	306445	01/30/23 19:46	1.0	1	1:FE=100
114	met06_master011	SAMPLE	478362-004	Wipe	306445	01/30/23 19:49	1.0	1	1:FE=120
115	met06_master011	SAMPLE	478362-006	Wipe	306445	01/30/23 19:52	1.0	1	1:FE=86
116	met06_master011	SAMPLE	478362-008	Wipe	306445	01/30/23 19:55	1.0	1	1:FE=83
117	met06_master011	SAMPLE	478362-010	Wipe	306445	01/30/23 19:59	1.0	1	1:FE=120
118	met06_master011	SAMPLE	478368-002	Wipe	306445	01/30/23 20:02	1.0	1	
119	met06_master011	SAMPLE	478371-002	Wipe	306445	01/30/23 20:05	1.0	1	1:FE=100
120	met06_master011	SAMPLE	478371-003	Wipe	306445	01/30/23 20:08	1.0	1	1:FE=86
121	met06_master011	SAMPLE	478371-005	Wipe	306445	01/30/23 20:12	1.0	1	1:FE=84
122	met06_master011	SAMPLE	478371-006	Wipe	306445	01/30/23 20:15	1.0	1	1:FE=76
123	met06_master011	CCV				01/30/23 20:18	1.0	10 1	
124	met06_master011	CCB				01/30/23 20:21	1.0	1	
125	met06_master011	SAMPLE	478371-009	Wipe	306445	01/30/23 20:25	1.0	1	1:FE=88
126	met06_master011	SAMPLE	478371-012	Wipe	306445	01/30/23 20:28	1.0	1	2:ZN=230
127	met06_master011	SAMPLE	478371-014	Wipe	306445	01/30/23 20:31	1.0	1	1:FE=59
128	met06_master011	SAMPLE	478373-002	Wipe	306445	01/30/23 20:34	1.0	1	1:FE=93
129	met06_master011	SAMPLE	478373-004	Wipe	306445	01/30/23 20:38	1.0	1	1:FE=90
130	met06_master011	SAMPLE	478373-007	Wipe	306445	01/30/23 20:41	1.0	1	1:FE=91

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master011	SAMPLE	478373-009	Wipe	306445	01/30/23 20:44	1.0	1	1:FE=92
132	met06_master011	BLANK	QC1041457	Soil	306257	01/30/23 20:48	1.0	1	
133	met06_master011	LCS	QC1041458	Soil	306257	01/30/23 20:51	1.0	1	
134	met06_master011	SAMPLE	478036-009	Soil	306257	01/30/23 20:54	1.0	1	2:FE=220
135	met06_master011	CCV				01/30/23 20:57	1.0	10 1	
136	met06_master011	CCB				01/30/23 21:01	1.0	1	
137	met06_master011	SAMPLE	478036-010	Soil	306257	01/30/23 21:04	1.0	1	2:FE=230
138	met06_master011	SAMPLE	478036-011	Soil	306257	01/30/23 21:07	1.0	1	2:FE=240
139	met06_master011	SAMPLE	478036-012	Soil	306257	01/30/23 21:10	1.0	1	2:FE=100
140	met06_master011	SAMPLE	478169-001	Soil	306257	01/30/23 21:13	1.0	1	2:FE=140
141	met06_master011	SAMPLE	478169-002	Soil	306257	01/30/23 21:17	1.0	1	2:FE=210
142	met06_master011	MSS	478211-001	Soil	306257	01/30/23 21:20	1.0	1	4:ALASAL2O3=250
143	met06_master011	MS	QC1041459	Soil	306257	01/30/23 21:23	1.0	1	4:ALASAL2O3=470
144	met06_master011	MSD	QC1041460	Soil	306257	01/30/23 21:26	1.0	1	4:ALASAL2O3=430
145	met06_master011	PDS	QC1041461	Soil	306257	01/30/23 21:30	1.0	1	4:ALASAL2O3=250
146	met06_master011	SAMPLE	478211-002	Soil	306257	01/30/23 21:33	1.0	1	2:AL=55
147	met06_master011	CCV				01/30/23 21:36	1.0	10 1	
148	met06_master011	CCB				01/30/23 21:39	1.0	1	
149	met06_master011	CCV				01/30/23 21:56	1.0	10 1	
150	met06_master011	CCB				01/30/23 22:00	1.0	1	
151	met06_master011	BLANK	QC1042029	Wipe	306440	01/30/23 22:03	1.0	1	
152	met06_master011	BS	QC1042030	Wipe	306440	01/30/23 22:06	1.0	1	
153	met06_master011	BSD	QC1042031	Wipe	306440	01/30/23 22:09	1.0	1	
154	met06_master011	SAMPLE	478373-011	Wipe	306440	01/30/23 22:13	1.0	1	1:FE=60
155	met06_master011	SAMPLE	478373-012	Wipe	306440	01/30/23 22:16	1.0	1	1:FE=90
156	met06_master011	SAMPLE	478373-014	Wipe	306440	01/30/23 22:19	1.0	1	1:FE=70

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	SAMPLE	478373-016	Wipe	306440	01/30/23 22:22	1.0	1	1:FE=92
158	met06_master011	SAMPLE	478373-018	Wipe	306440	01/30/23 22:26	1.0	1	1:FE=130
159	met06_master011	SAMPLE	478373-020	Wipe	306440	01/30/23 22:29	1.0	1	1:FE=75
160	met06_master011	SAMPLE	478373-022	Wipe	306440	01/30/23 22:32	1.0	1	1:FE=54
161	met06_master011	CCV				01/30/23 22:36	1.0	10 1	
162	met06_master011	CCB				01/30/23 22:39	1.0	1	
163	met06_master011	SAMPLE	478373-024	Wipe	306440	01/30/23 22:42	1.0	1	1:FE=31
164	met06_master011	SAMPLE	478373-026	Wipe	306440	01/30/23 22:45	1.0	1	1:FE=83
165	met06_master011	SAMPLE	478373-028	Wipe	306440	01/30/23 22:49	1.0	1	1:FE=62
166	met06_master011	SAMPLE	478373-030	Wipe	306440	01/30/23 22:52	1.0	1	2:FE=140
167	met06_master011	SAMPLE	478373-032	Wipe	306440	01/30/23 22:55	1.0	1	1:FE=110
168	met06_master011	SAMPLE	478373-034	Wipe	306440	01/30/23 22:58	1.0	1	2:FE=91
169	met06_master011	SAMPLE	478373-037	Wipe	306440	01/30/23 23:02	1.0	1	2:FE=130
170	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:05	1.0	1	
171	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:08	1.0	1	
172	met06_master011	SAMPLE	478373-039	Wipe	306440	01/30/23 23:11	1.0	1	2:FE=130
173	met06_master011	CCV				01/30/23 23:15	1.0	10 1	
174	met06_master011	CCB				01/30/23 23:18	1.0	1	
175	met06_master011	SAMPLE	478373-041	Wipe	306440	01/30/23 23:21	1.0	1	2:FE=110
176	met06_master011	SAMPLE	478373-043	Wipe	306440	01/30/23 23:24	1.0	1	2:FE=92
177	met06_master011	SAMPLE	478373-045	Wipe	306440	01/30/23 23:28	1.0	1	2:FE=89
178	met06_master011	SAMPLE	478373-047	Wipe	306440	01/30/23 23:31	1.0	1	2:FE=130
179	met06_master011	SAMPLE	478373-049	Wipe	306440	01/30/23 23:34	1.0	1	2:FE=85
180	met06_master011	BLANK	QC1042034	Wipe	306441	01/30/23 23:37	1.0	1	
181	met06_master011	BS	QC1042035	Wipe	306441	01/30/23 23:41	1.0	1	
182	met06_master011	BSD	QC1042036	Wipe	306441	01/30/23 23:44	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master011	SAMPLE	478373-050	Wipe	306441	01/30/23 23:47	1.0	1	2:FE=110
184	met06_master011	SAMPLE	478373-052	Wipe	306441	01/30/23 23:50	1.0	1	2:FE=120
185	met06_master011	CCV				01/30/23 23:54	1.0	10 1	
186	met06_master011	CCB				01/30/23 23:57	1.0	1	
187	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 00:00	1.0	1	2:FE=110
188	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 00:03	1.0	1	2:FE=230
189	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 00:07	1.0	1	2:FE=96
190	met06_master011	SAMPLE	478373-060	Wipe	306441	01/31/23 00:10	1.0	1	1:FE=73
191	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 00:13	1.0	1	3:FEASFE2O3=160
192	met06_master011	SAMPLE	478373-064	Wipe	306441	01/31/23 00:16	1.0	1	
193	met06_master011	BLANK	QC1042162	Miscell.	306479	01/31/23 00:20	1.0	1	
194	met06_master011	LCS	QC1042163	Miscell.	306479	01/31/23 00:23	1.0	1	
195	met06_master011	SAMPLE	478268-001	Soil	306479	01/31/23 00:26	1.0	1	3:FE=250
196	met06_master011	SAMPLE	478268-002	Soil	306479	01/31/23 00:29	1.0	1	2:AL=480
197	met06_master011	CCV				01/31/23 00:33	1.0	10 1	
198	met06_master011	CCB				01/31/23 00:36	1.0	1	
199	met06_master011	SAMPLE	478268-003	Soil	306479	01/31/23 00:39	1.0	1	2:FE=160
200	met06_master011	SAMPLE	478268-004	Soil	306479	01/31/23 00:42	1.0	1	2:FE=240
201	met06_master011	SAMPLE	478268-005	Soil	306479	01/31/23 00:46	1.0	1	3:FE=280
202	met06_master011	SAMPLE	478268-006	Soil	306479	01/31/23 00:49	1.0	1	2:FE=290
203	met06_master011	SAMPLE	478268-007	Soil	306479	01/31/23 00:52	1.0	1	2:FE=210
204	met06_master011	SAMPLE	478268-008	Soil	306479	01/31/23 00:55	1.0	1	2:FE=260
205	met06_master011	SAMPLE	478268-009	Soil	306479	01/31/23 00:59	1.0	1	2:FE=200
206	met06_master011	SAMPLE	478268-010	Soil	306479	01/31/23 01:02	1.0	1	2:FE=250
207	met06_master011	SAMPLE	478268-011	Soil	306479	01/31/23 01:05	1.0	1	4:FEASFE2O3=520
208	met06_master011	SAMPLE	478268-012	Soil	306479	01/31/23 01:09	1.0	1	4:FEASFE2O3=450

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master011	CCV				01/31/23 01:12	1.0	10 1	
210	met06_master011	CCB				01/31/23 01:15	1.0	1	
211	met06_master011	MSS	478269-001	Soil	306479	01/31/23 01:18	1.0	1	4:FEASFE2O3=180
212	met06_master011	MS	QC1042164	Soil	306479	01/31/23 01:22	1.0	1	4:ALASAL2O3=210
213	met06_master011	SAMPLE	478211-003	Soil	306257	01/31/23 01:25	1.0	1	2:FE=92
214	met06_master011	SAMPLE	478211-004	Soil	306257	01/31/23 01:28	1.0	1	2:AL=96
215	met06_master011	SAMPLE	478211-005	Soil	306257	01/31/23 01:31	1.0	1	2:AL=84
216	met06_master011	SAMPLE	478211-006	Soil	306257	01/31/23 01:35	1.0	1	2:AL=61
217	met06_master011	SAMPLE	478211-007	Soil	306257	01/31/23 01:38	1.0	1	2:FE=110
218	met06_master011	SAMPLE	478211-008	Soil	306257	01/31/23 01:41	1.0	1	2:FE=170
219	met06_master011	SAMPLE	478211-009	Soil	306257	01/31/23 01:44	1.0	1	2:AL=120
220	met06_master011	SAMPLE	478211-010	Soil	306257	01/31/23 01:48	1.0	1	2:FE=120
221	met06_master011	CCV				01/31/23 01:51	1.0	10 1	
222	met06_master011	CCB				01/31/23 01:54	1.0	1	
223	met06_master011	SAMPLE	478211-011	Soil	306257	01/31/23 01:57	1.0	1	2:FE=90
224	met06_master011	SAMPLE	478211-012	Soil	306257	01/31/23 02:00	1.0	1	3:CA=1100
225	met06_master011	SAMPLE	478214-001	Miscell.	306257	01/31/23 02:04	1.0	1	2:AL=66
226	met06_master011	SAMPLE	478263-001	Miscell.	306257	01/31/23 02:07	1.0	1	2:FE=160
227	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 02:10	1.0	1	3:FE=130
228	met06_master011	SAMPLE	478037-005	Soil	306202	01/31/23 02:13	1.0	1	2:AL=190
229	met06_master011	SAMPLE	478037-010	Soil	306202	01/31/23 02:17	1.0	1	2:AL=200
230	met06_master011	SAMPLE	478040-005	Soil	306202	01/31/23 02:20	1.0	1	2:AL=190
231	met06_master011	SAMPLE	478040-010	Soil	306202	01/31/23 02:23	1.0	1	3:AL=230
232	met06_master011	SAMPLE	478072-001	Miscell.	306202	01/31/23 02:26	1.0	1	3:FE=170
233	met06_master011	CCV				01/31/23 02:30	1.0	10 1	
234	met06_master011	CCB				01/31/23 02:33	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
235	met06_master011	SAMPLE	478072-002	Miscell.	306202	01/31/23 02:36	1.0	1	3:FE=160
236	met06_master011	SAMPLE	478072-007	Soil	306202	01/31/23 02:39	1.0	1	3:FE=230
237	met06_master011	SAMPLE	478011-002	Soil	306209	01/31/23 02:43	1.0	1	3:AL=290
238	met06_master011	SAMPLE	478011-003	Soil	306209	01/31/23 02:46	1.0	1	2:AL=230
239	met06_master011	SAMPLE	478011-004	Soil	306209	01/31/23 02:49	1.0	1	2:AL=230
240	met06_master011	SAMPLE	478011-005	Soil	306209	01/31/23 02:52	1.0	1	2:AL=290
241	met06_master011	SAMPLE	478011-006	Soil	306209	01/31/23 02:56	1.0	1	2:AL=280
242	met06_master011	SAMPLE	478034-005	Soil	306209	01/31/23 02:59	1.0	1	3:AL=180
243	met06_master011	SAMPLE	478036-001	Soil	306209	01/31/23 03:02	1.0	1	2:FE=200
244	met06_master011	SAMPLE	478036-002	Soil	306209	01/31/23 03:05	1.0	1	2:FE=240
245	met06_master011	CCV				01/31/23 03:09	1.0	10 1	
246	met06_master011	CCB				01/31/23 03:12	1.0	1	
247	met06_master011	SAMPLE	478036-003	Soil	306209	01/31/23 03:15	1.0	1	3:FE=250
248	met06_master011	SAMPLE	478036-004	Soil	306209	01/31/23 03:18	1.0	1	2:FE=240
249	met06_master011	SAMPLE	478036-005	Soil	306209	01/31/23 03:22	1.0	1	2:FE=220
250	met06_master011	SAMPLE	478036-006	Soil	306209	01/31/23 03:25	1.0	1	2:FE=230
251	met06_master011	SAMPLE	478036-007	Soil	306209	01/31/23 03:28	1.0	1	2:FE=220
252	met06_master011	SAMPLE	478036-008	Soil	306209	01/31/23 03:31	1.0	1	2:FE=250
253	met06_master011	SAMPLE	478307-001	Water	306425	01/31/23 03:35	1.0	1	1:FE=33
254	met06_master011	SAMPLE	478317-004	Water	306425	01/31/23 03:38	1.0	1	3:FE=130
255	met06_master011	SAMPLE	478317-007	Water	306425	01/31/23 03:41	1.0	1	2:FE=100
256	met06_master011	SAMPLE	478339-001	Water	306425	01/31/23 03:44	1.0	1	1:FE=41
257	met06_master011	CCV				01/31/23 03:48	1.0	10 1	
258	met06_master011	CCB				01/31/23 03:51	1.0	1	
259	met06_master011	SAMPLE	478384-001	Water	306425	01/31/23 03:54	1.0	1	3:FE=160
260	met06_master011	SAMPLE	478042-004	Soil	306211	01/31/23 03:57	1.0	1	3:FE=140

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master011	SAMPLE	478129-005	Soil	306211	01/31/23 04:01	1.0	1	3:FE=190
262	met06_master011	SAMPLE	478129-006	Soil	306211	01/31/23 04:04	1.0	1	3:FE=220
263	met06_master011	SAMPLE	478145-001	Miscell.	306211	01/31/23 04:07	1.0	1	3:FE=170
264	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 04:10	10.0	1	
265	met06_master011	BLANK	QC1042002	TCLP Leachate	306431	01/31/23 04:14	1.0	1	1:NA=950
266	met06_master011	LCS	QC1042003	TCLP Leachate	306431	01/31/23 04:17	1.0	1	1:NA=980
267	met06_master011	MSS	477799-001	TCLP Leachate	306431	01/31/23 04:20	1.0	1	3:NA=1000
268	met06_master011	MS	QC1042004	TCLP Leachate	306431	01/31/23 04:23	1.0	1	3:NA=1000
269	met06_master011	CCV				01/31/23 04:27	1.0	10 1	
270	met06_master011	CCB				01/31/23 04:30	1.0	1	
271	met06_master011	MSD	QC1042005	TCLP Leachate	306431	01/31/23 04:33	1.0	1	3:NA=1000
272	met06_master011	BLANK	QC1041581	Water	306295	01/31/23 04:36	1.0	1	
273	met06_master011	LCS	QC1041582	Water	306295	01/31/23 04:40	1.0	1	
274	met06_master011	SAMPLE	477569-001	Water	306295	01/31/23 04:43	1.0	1	4:MG=1900
275	met06_master011	SAMPLE	477569-002	Water	306295	01/31/23 04:46	1.0	1	4:MG=2700
276	met06_master011	SAMPLE	477569-003	Water	306295	01/31/23 04:49	1.0	1	4:NA=1800
277	met06_master011	SAMPLE	478172-001	Water	306295	01/31/23 04:53	1.0	1	
278	met06_master011	MSS	478242-003	Water	306295	01/31/23 04:56	1.0	1	2:NA=1400
279	met06_master011	MS	QC1041583	Water	306295	01/31/23 04:59	1.0	1	2:NA=1500
280	met06_master011	MSD	QC1041584	Water	306295	01/31/23 05:02	1.0	1	2:NA=1400
281	met06_master011	CCV				01/31/23 05:06	1.0	10 1	
282	met06_master011	CCB				01/31/23 05:09	1.0	1	
283	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 05:12	1.0	1	2:FE=93
284	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 05:15	1.0	1	2:FE=88
285	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 05:19	1.0	1	2:FE=78
286	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 05:22	1.0	1	2:AL=260

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
287	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 05:25	1.0	1	2:FE=120
288	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 05:29	1.0	1	2:FE=110
289	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 05:32	1.0	1	2:FE=86
290	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 05:35	1.0	1	2:FE=170
291	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 05:38	1.0	1	2:FE=90
292	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 05:42	1.0	1	2:FE=90
293	met06_master011	CCV				01/31/23 05:45	1.0	10 1	
294	met06_master011	CCB				01/31/23 05:48	1.0	1	
295	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 05:51	1.0	1	2:FE=86
296	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 05:55	1.0	1	2:FE=97
297	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 05:58	1.0	1	2:FE=97
298	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 06:01	1.0	1	2:FE=460
299	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 06:04	1.0	1	3:AL=270
300	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 06:08	1.0	1	2:FE=160
301	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 06:11	1.0	1	2:FE=160
302	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 06:14	1.0	1	2:FE=200
303	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 06:17	1.0	1	
304	met06_master011	LCS	QC1041429	Water	306249	01/31/23 06:21	1.0	1	
305	met06_master011	CCV				01/31/23 06:24	1.0	10 1	
306	met06_master011	CCB				01/31/23 06:27	1.0	1	
307	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 06:30	1.0	1	
308	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 06:34	1.0	1	
309	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 06:37	1.0	1	
310	met06_master011	MSS	477983-001	Water	306249	01/31/23 06:40	1.0	1	1:CAASCACO3=810
311	met06_master011	MS	QC1041455	Water	306249	01/31/23 06:43	1.0	1	2:CAASCACO3=910
312	met06_master011	MSD	QC1041456	Water	306249	01/31/23 06:47	1.0	1	1:CAASCACO3=810

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 06:50	1.0	1	2:FE=510
314	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 06:53	1.0	1	3:NA=1300
315	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 06:56	1.0	1	1:FE=460
316	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 07:00	1.0	1	1:NA=1000
317	met06_master011	CCV				01/31/23 07:03	1.0	10 1	
318	met06_master011	CCB				01/31/23 07:06	1.0	1	
319	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 07:09	1.0	1	1:FE=460
320	met06_master011	MSS	478044-006	Water	306249	01/31/23 07:13	1.0	1	1:NA=910
321	met06_master011	MS	QC1041430	Water	306249	01/31/23 07:16	1.0	1	
322	met06_master011	MSD	QC1041431	Water	306249	01/31/23 07:19	1.0	1	1:NA=930
323	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 07:22	1.0	1	
324	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 07:26	1.0	1	2:FE=130
325	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 07:29	1.0	1	2:FE=110
326	met06_master011	CCV				01/31/23 07:32	1.0	10 1	
327	met06_master011	CCB				01/31/23 07:36	1.0	1	
328	met06_master011	CCV				01/31/23 08:11	1.0	10 1	
329	met06_master011	CCB				01/31/23 08:14	1.0	1	
330	met06_master011	MSD	QC1042165	Soil	306479	01/31/23 08:23	1.0	1	4:ALASAL2O3=230
331	met06_master011	SAMPLE	478401-001	Miscell.	306479	01/31/23 08:26	1.0	1	
332	met06_master011	MSS	478043-001	Soil	306366	01/31/23 08:32	10.0	1	2:FEASFE2O3=46
333	met06_master011	MS	QC1041778	Soil	306366	01/31/23 08:36	10.0	1	2:FEASFE2O3=44
334	met06_master011	LCS	QC1041418	Water	306246	01/31/23 08:40	1.0	1	
335	met06_master011	MSD	QC1041779	Soil	306366	01/31/23 08:43	10.0	1	2:FEASFE2O3=49
336	met06_master011	PDS	QC1041780	Soil	306366	01/31/23 08:46	10.0	1	2:FEASFE2O3=45
337	met06_master011	CCV				01/31/23 08:49	1.0	10 1	
338	met06_master011	CCB				01/31/23 08:53	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
339	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 08:56	1.0	1	2:FE=94
340	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 08:59	1.0	1	2:FE=88
341	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 09:02	1.0	1	1:FE=75
342	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 09:06	1.0	1	2:AL=260
343	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 09:09	1.0	1	2:FE=120
344	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 09:12	1.0	1	2:FE=110
345	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 09:15	1.0	1	1:FE=86
346	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 09:19	1.0	1	2:FE=170
347	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 09:22	1.0	1	2:FE=90
348	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 09:25	1.0	1	1:FE=88
349	met06_master011	CCV				01/31/23 09:28	1.0	10 1	
350	met06_master011	CCB				01/31/23 09:32	1.0	1	
351	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 09:35	1.0	1	2:FE=88
352	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 09:38	1.0	1	2:FE=97
353	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 09:41	1.0	1	1:FE=95
354	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 09:45	1.0	1	1:FE=430
355	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 09:48	1.0	1	3:AL=260
356	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 09:51	1.0	1	2:FE=160
357	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 09:54	1.0	1	2:FE=160
358	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 09:58	1.0	1	2:FE=200
359	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 10:01	1.0	1	
360	met06_master011	LCS	QC1041429	Water	306249	01/31/23 10:04	1.0	1	
361	met06_master011	CCV				01/31/23 10:07	1.0	10 1	
362	met06_master011	CCB				01/31/23 10:11	1.0	1	
363	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 10:14	1.0	1	
364	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 10:17	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 10:20	1.0	1	
366	met06_master011	MSS	477983-001	Water	306249	01/31/23 10:24	1.0	1	
367	met06_master011	MS	QC1041455	Water	306249	01/31/23 10:27	1.0	1	
368	met06_master011	MSD	QC1041456	Water	306249	01/31/23 10:30	1.0	1	
369	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 10:34	1.0	1	1:FE=500
370	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 10:37	1.0	1	3:NA=1300
371	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 10:40	1.0	1	1:FE=450
372	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 10:44	1.0	1	
373	met06_master011	CCV				01/31/23 10:48	1.0	10 1	
374	met06_master011	CCB				01/31/23 10:51	1.0	1	
375	met06_master011	BLANK	QC1042212	Soil	306492	01/31/23 10:55	1.0	1	
376	met06_master011	LCS	QC1042213	Soil	306492	01/31/23 10:58	1.0	1	
377	met06_master011	BLANK	QC1042266	Drinking Water	306505	01/31/23 11:01	1.0	1	
378	met06_master011	LCS	QC1042267	Drinking Water	306505	01/31/23 11:05	1.0	1	
379	met06_master011	SAMPLE	478474-001	Drinking Water	306505	01/31/23 11:08	1.0	1	
380	met06_master011	SAMPLE	478475-001	Drinking Water	306505	01/31/23 11:11	1.0	1	
381	met06_master011	MSS	478476-001	Drinking Water	306505	01/31/23 11:14	1.0	1	
382	met06_master011	MS	QC1042268	Drinking Water	306505	01/31/23 11:17	1.0	1	
383	met06_master011	MSD	QC1042269	Drinking Water	306505	01/31/23 11:21	1.0	1	
384	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 11:24	1.0	1	1:FE=470
385	met06_master011	XCCV				01/31/23 11:27	1.0	10 1	
386	met06_master011	XCCB				01/31/23 11:30	1.0	1	
387	met06_master011	CCV				01/31/23 11:35	1.0	10 1	
388	met06_master011	CCB				01/31/23 11:38	1.0	1	
389	met06_master011	MSS	478044-006	Water	306249	01/31/23 11:41	1.0	1	
390	met06_master011	MS	QC1041430	Water	306249	01/31/23 11:45	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
391	met06_master011	MSD	QC1041431	Water	306249	01/31/23 11:48	1.0	1	
392	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 11:51	1.0	1	
393	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 11:55	1.0	1	2:FE=130
394	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 11:58	1.0	1	2:FE=110
395	met06_master011	PDS	QC1042297	Soil	306479	01/31/23 12:01	1.0	1	4:ALASAL2O3=180
396	met06_master011	CCV				01/31/23 12:04	1.0	10 1	
397	met06_master011	CCB				01/31/23 12:08	1.0	1	
398	met06_master011	BLANK	QC1041989	Soil	306427	01/31/23 12:12	1.0	1	
399	met06_master011	LCS	QC1041990	Soil	306427	01/31/23 12:15	1.0	1	
400	met06_master011	MSS	477276-026	Soil	306427	01/31/23 12:18	1.0	1	4:ALASAL2O3=350
401	met06_master011	MS	QC1041991	Soil	306427	01/31/23 12:21	1.0	1	5:ALASAL2O3=420
402	met06_master011	MSD	QC1041992	Soil	306427	01/31/23 12:25	1.0	1	5:ALASAL2O3=460
403	met06_master011	PDS	QC1042047	Soil	306427	01/31/23 12:28	1.0	1	5:ALASAL2O3=340
404	met06_master011	SAMPLE	477276-027	Soil	306427	01/31/23 12:31	1.0	1	2:FE=260
405	met06_master011	SAMPLE	477276-028	Soil	306427	01/31/23 12:34	1.0	1	2:FE=260
406	met06_master011	SAMPLE	477276-029	Soil	306427	01/31/23 12:38	1.0	1	2:FE=270
407	met06_master011	SAMPLE	478373-030	Wipe	306440	01/31/23 12:41	10.0	1	
408	met06_master011	CCV				01/31/23 12:44	1.0	10 1	
409	met06_master011	CCB				01/31/23 12:47	1.0	1	
410	met06_master011	BLANK	QC1042323	Filtrate	306535	01/31/23 12:51	1.0	1	
411	met06_master011	BS	QC1042324	Filtrate	306535	01/31/23 12:54	1.0	1	
412	met06_master011	BSD	QC1042325	Filtrate	306535	01/31/23 12:58	1.0	1	
413	met06_master011	SAMPLE	476977-001	Filtrate	306535	01/31/23 13:01	1.0	1	
414	met06_master011	SAMPLE	476977-005	Filtrate	306535	01/31/23 13:04	1.0	1	
415	met06_master011	SAMPLE	478373-034	Wipe	306440	01/31/23 13:08	10.0	1	
416	met06_master011	SAMPLE	478373-037	Wipe	306440	01/31/23 13:11	10.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master011	SAMPLE	478373-039	Wipe	306440	01/31/23 13:14	10.0	1	
418	met06_master011	SAMPLE	478373-041	Wipe	306440	01/31/23 13:17	10.0	1	
419	met06_master011	SAMPLE	478373-043	Wipe	306440	01/31/23 13:21	10.0	1	
420	met06_master011	CCV				01/31/23 13:24	1.0	10 1	
421	met06_master011	CCB				01/31/23 13:27	1.0	1	
422	met06_master011	SAMPLE	478373-045	Wipe	306440	01/31/23 13:30	10.0	1	
423	met06_master011	SAMPLE	478373-047	Wipe	306440	01/31/23 13:34	10.0	1	
424	met06_master011	SAMPLE	478373-049	Wipe	306440	01/31/23 13:37	10.0	1	
425	met06_master011	SAMPLE	478373-050	Wipe	306441	01/31/23 13:40	10.0	1	
426	met06_master011	SAMPLE	478373-052	Wipe	306441	01/31/23 13:43	10.0	1	
427	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 13:47	10.0	1	
428	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 13:50	10.0	1	1:FE=28
429	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 13:53	10.0	1	
430	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 13:56	10.0	1	
431	met06_master011	BLANK	QC1041554	Soil	306287	01/31/23 14:00	1.0	1	
432	met06_master011	CCV				01/31/23 14:03	1.0	10 1	
433	met06_master011	CCB				01/31/23 14:06	1.0	1	
434	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 14:10	1.0	1	
435	met06_master011	LCS	QC1041429	Water	306249	01/31/23 14:13	1.0	1	
436	met06_master011	LCS	QC1041555	Soil	306287	01/31/23 14:16	1.0	1	
437	met06_master011	MSS	478206-001	Soil	306287	01/31/23 14:20	1.0	1	4:FEASFE2O3=480
438	met06_master011	MS	QC1041556	Soil	306287	01/31/23 14:23	1.0	1	4:FEASFE2O3=360
439	met06_master011	MSD	QC1041557	Soil	306287	01/31/23 14:26	1.0	1	5:FEASFE2O3=320
440	met06_master011	PDS	QC1041766	Soil	306287	01/31/23 14:29	1.0	1	4:FEASFE2O3=470
441	met06_master011	SAMPLE	478208-009	Soil	306287	01/31/23 14:33	1.0	1	2:FE=230
442	met06_master011	SAMPLE	478208-010	Soil	306287	01/31/23 14:36	1.0	1	2:FE=200

Enthalpy Sequence Summary for Sequence 483043992

Instrument:	MET06	Begun:	01/30/23 13:12
Method:	EPA 6010B		

SBW 01/31/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 346.

Standards Used:

1=S13369 2=S17856 3=S17855 4=S17854 5=S17853 6=S17852 7=S17851 8=S17857 9=S17858 10=S17901 11=S17918 12=S17605 13=S17891

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478361-002	Client ID:	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L-LA
Seqnum:	483043992108.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 19:29
Cal:	483043992001	Caldate:	30-JAN-2023		
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	3.731	190	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	812183	1.20

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478361-002,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:29:51	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26651.00000000	1261.28000000	2778.27000000	5444.83000000	7670.34000000	11458.30000000	5224.68000000
Int RSD	*0.28371618*	*7.99061271*	*0.22871463*	*0.39851749*	*0.32805977*	*2.20891406*	*0.28355612*
Int SD	*75.61320000*	*100.78400000*	*6.35431000*	*21.69860000*	*25.16330000*	*253.10400000*	*14.81490000*
RelInt Mean	0.00001943	0.01192710	0.00009429	0.00160597	0.00442850	0.12794900	0.00172603
RelInt RSD	*42.31200667*	*7.22376772*	*16.29410997*	*3.24780039*	*0.20924196*	*2.35332828*	*2.78476620*
RelInt SD	*0.00000822*	*0.00086159*	*0.00001536*	*0.00005216*	*0.00000927*	*0.00301106*	*0.00004807*
Conc Mean	<-0.00016483[mg/l]	0.78857600[mg/l]	0.00991729[mg/l]	0.01822650[mg/l]	0.01400020[mg/l]	10.38350000[mg/l]	0.01090010[mg/l]
Conc RSD	*200.49262877*	*13.18756848*	*8.49015205*	*3.46003347*	*0.22556535*	*2.34689652*	*3.15539307*
Conc SD	*0.00033047[mg/l]*	*0.10399400[mg/l]*	*0.00084199[mg/l]*	*0.00063064[mg/l]*	*0.00003158[mg/l]*	*0.24369000[mg/l]*	*0.00034394[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	10029.30000000	472601	15235300	-113.19300000	915.20700000	583704	3073.58000000
Int RSD	*1.10010669*	*0.92300905*	*0.72291980*	*100.35337874*	*5.06935589*	*0.39712937*	*1.25344061*
Int SD	*110.33300000*	*4362.15000000*	*110139*	*113.59300000*	*46.39510000*	*2318.06000000*	*38.52550000*
RelInt Mean	0.00741137	0.01779440	18.87140000	0.00015585	0.00861464	0.71668000	0.00012417
RelInt RSD	*2.16221832*	*0.71566335*	*0.26540267*	*783.77337910*	*11.65086411*	*0.06801529*	*49.33423530*
RelInt SD	*0.00016025*	*0.00012735*	*0.05008520*	*0.00122155*	*0.00100368*	*0.00048745*	*0.00006126*
Conc Mean	0.05336710[mg/l]	0.52097900[mg/l]	65.55160000[mg/l]	0.09846850[mg/l]	1.95554000[mg/l]	0.44949600[mg/l]	<0.00016705[mg/l]
Conc RSD	*2.20988212*	*0.72211932*	*0.26528719*	*96.45805511*	*9.64388353*	*0.06795589*	*271.58934451*
Conc SD	*0.00117935[mg/l]*	*0.00376209[mg/l]*	*0.17390000[mg/l]*	*0.09498080[mg/l]*	*0.18859000[mg/l]*	*0.00030546[mg/l]*	*0.00045369[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	29853.00000000	13522.00000000	90593.70000000	3216.37000000	2853.13000000	5943.25000000	1092.68000000
Int RSD	*0.31231133*	*0.55595178*	*0.59778770*	*1.05696173*	*1.27928275*	*0.76762041*	*8.72860307*
Int SD	*93.23430000*	*75.17580000*	*541.55800000*	*33.99580000*	*36.49960000*	*45.62160000*	*95.37570000*
RelInt Mean	0.32572900	0.01160450	0.10709200	0.00028951	0.00040562	0.00341209	0.01115620
RelInt RSD	*0.56750243*	*0.40665001*	*0.25033616*	*19.93116050*	*16.57137997*	*2.62196484*	*11.95066420*
RelInt SD	*0.00184852*	*0.00004719*	*0.00026809*	*0.00005770*	*0.00006722*	*0.00008946*	*0.00133324*
Conc Mean	2.53931000[mg/l]	0.12404400[mg/l]	3.73094000[mg/l]	0.01903430[mg/l]	0.03058720[mg/l]	0.06563770[mg/l]	0.01199690[mg/l]
Conc RSD	*0.64348977*	*0.41511963*	*0.25050095*	*17.08048103*	*16.57134357*	*2.64488244*	*10.83163150*
Conc SD	*0.01634020[mg/l]*	*0.00051493[mg/l]*	*0.00934604[mg/l]*	*0.00325115[mg/l]*	*0.00506871[mg/l]*	*0.00173604[mg/l]*	*0.00129946[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	537300	2461.96000000	7260.07000000	812183	25168400	89161.70000000	386359
Int RSD	*7.68870277*	*0.70544201*	*1.32301617*	*0.45809996*	*0.28638849*	*0.31304024*	*0.44292484*
Int SD	*41311.40000000*	*17.36770000*	*96.05190000*	*3720.61000000*	*72079.40000000*	*279.11200000*	*1711.28000000*
RelInt Mean	0.02022220	-0.00047647	0.00007021	---	---	---	0.47515800
RelInt RSD	*7.85018445*	*5.52401321*	*3.47620981*	---	---	---	*0.09237201*
RelInt SD	*0.00158748*	*0.00002632*	*0.00000244*	---	---	---	*0.00043891*
Conc Mean	0.17721400[mg/l]	<-0.02164560[mg/l]	0.00639271[mg/l]	806972	25122700	89123.00000000	2.13623000[mg/l]
Conc RSD	*7.85220129*	*6.21590531*	*6.57453568*	---	---	---	*0.09240999*
Conc SD	*0.01391520[mg/l]*	*0.00134547[mg/l]*	*0.00042029[mg/l]*	*3736.53000000*	*72128.90000000*	*284.05900000*	*0.00197409[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-58.38950000	407.82800000	188027	13628.90000000	4023.22000000	24656.60000000	
Int RSD	*94.69219637*	*19.82232706*	*2.04850899*	*0.67368827*	*0.50412108*	*1.30500556*	
Int SD	*55.29030000*	*80.84100000*	*3851.75000000*	*91.81630000*	*20.28190000*	*321.77000000*	
RelInt Mean	-0.00133549	0.00112707	0.22720700	0.01328200	-0.00009982	0.02685740	
RelInt RSD	*52.27392193*	*80.54078274*	*1.67321429*	*0.68252070*	*13.98738292*	*1.44666274*	
RelInt SD	*0.00069811*	*0.00090775*	*0.00380166*	*0.00009065*	*0.00001396*	*0.00038854*	
Conc Mean	<0.00123672[mg/l]	<0.00118717[mg/l]	3.72184000[mg/l]	0.46652000[mg/l]	<-0.00058357[mg/l]	2.68635000[mg/l]	
Conc RSD	*210.92244000*	*80.54061339*	*1.67551802*	*0.71679671*	*9.57912504*	*1.44085097*	
Conc SD	*0.00260852[mg/l]*	*0.00095615[mg/l]*	*0.06236010[mg/l]*	*0.00334400[mg/l]*	*0.00005590[mg/l]*	*0.03870630[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478361-004	Client ID:	AFRAME-C5W-MED-L2-HS-1-230127-L-G
Seqnum:	483043992109.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 19:33
Cal:	483043992001	Caldate:	30-JAN-2023		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.14 ft2 ⇨ 50.0 ml = 43.94 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.816	120	0.22		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	788537	-1.75

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478361-004,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:33:06	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26319.70000000	1133.68000000	2961.61000000	5369.37000000	7804.97000000	11837.30000000	5311.99000000
Int RSD	*0.81869094*	*7.59527380*	*0.50774410*	*0.72842624*	*0.35675986*	*2.85028681*	*0.45321433*
Int SD	*215.47700000*	*86.10610000*	*15.03740000*	*39.11190000*	*27.84500000*	*337.39700000*	*24.07470000*
RelInt Mean	0.00002210	0.01179390	0.00001573	0.00146168	0.00467834	0.13772300	0.00183841
RelInt RSD	*23.89654174*	*10.68688051*	*133.92282549*	*1.52017541*	*0.47078451*	*2.33143338*	*0.72923885*
RelInt SD	*0.00000528*	*0.00126040*	*0.00002106*	*0.00002222*	*0.00002202*	*0.00321092*	*0.00001341*
Conc Mean	<-0.00005778[mg/l]	0.77250500[mg/l]	0.00562837[mg/l]	0.01648180[mg/l]	0.01480990[mg/l]	11.17460000[mg/l]	0.01169820[mg/l]
Conc RSD	*367.26440171*	*19.69268807*	*20.52068361*	*1.63002827*	*0.48028211*	*2.32546131*	*0.72172385*
Conc SD	*0.00021222[mg/l]*	*0.15212700[mg/l]*	*0.00115498[mg/l]*	*0.00026866[mg/l]*	*0.00007113[mg/l]*	*0.25986100[mg/l]*	*0.00008443[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	7515.79000000	294925	16945700	950.01700000	1083.54000000	576311	3107.41000000
Int RSD	*0.37863884*	*0.86094431*	*1.10696519*	*14.07395868*	*13.50203961*	*1.19565998*	*0.47508697*
Int SD	*28.45770000*	*2539.14000000*	*187583*	*133.70500000*	*146.30000000*	*6890.72000000*	*14.76290000*
RelInt Mean	0.00442018	0.01106730	21.62230000	0.01240900	0.01094430	0.72885400	0.00001051
RelInt RSD	*0.67652222*	*1.17261663*	*1.15987661*	*12.66637118*	*15.59624645*	*0.84763204*	*230.63776336*
RelInt SD	*0.00002990*	*0.00012978*	*0.25079200*	*0.00157177*	*0.00170690*	*0.00617800*	*0.00002424*
Conc Mean	0.03135420[mg/l]	0.32230300[mg/l]	75.10750000[mg/l]	1.05120000[mg/l]	2.39327000[mg/l]	0.45713200[mg/l]	<-0.00067475[mg/l]
Conc RSD	*0.70196337*	*1.18898056*	*1.15988550*	*11.62547565*	*13.40107886*	*0.84782076*	*26.60217887*
Conc SD	*0.00022010[mg/l]*	*0.00383212[mg/l]*	*0.87116100[mg/l]*	*0.12220700[mg/l]*	*0.32072400[mg/l]*	*0.00387566[mg/l]*	*0.00017950[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	77869.60000000	13438.20000000	67492.00000000	3340.43000000	3026.39000000	6485.78000000	444.48800000
Int RSD	*0.95617160*	*1.52046405*	*0.94041220*	*1.43317477*	*1.36341978*	*0.43114629*	*31.02175987*
Int SD	*744.56700000*	*204.32300000*	*634.70300000*	*47.87420000*	*41.26240000*	*27.96320000*	*137.88800000*
RelInt Mean	0.89632100	0.01181030	0.08081610	0.00035718	0.00044939	0.00376777	0.00438527
RelInt RSD	*0.77265176*	*1.71076095*	*0.69413149*	*11.52751025*	*6.24423666*	*1.26497637*	*35.76404646*
RelInt SD	*0.00692544*	*0.00020205*	*0.00056097*	*0.00004117*	*0.00002806*	*0.00004766*	*0.00156835*
Conc Mean	7.58193000[mg/l]	0.12629100[mg/l]	2.81626000[mg/l]	0.02297890[mg/l]	0.03388810[mg/l]	0.07253970[mg/l]	0.00539742[mg/l]
Conc RSD	*0.80727335*	*1.74722664*	*0.69423988*	*10.10305106*	*6.24419782*	*1.27498735*	*28.32167962*
Conc SD	*0.06120690[mg/l]*	*0.00220659[mg/l]*	*0.01955160[mg/l]*	*0.00232157[mg/l]*	*0.00211604[mg/l]*	*0.00092487[mg/l]*	*0.00152864[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	441866	2622.00000000	7163.25000000	788537	24448700	85844.10000000	418354
Int RSD	*1.55309528*	*0.22934630*	*1.88185530*	*0.41895307*	*0.58945874*	*0.86036664*	*0.66667224*
Int SD	*6862.60000000*	*6.01346000*	*134.80200000*	*3303.60000000*	*144115*	*738.57400000*	*2789.05000000*
RelInt Mean	0.01692570	-0.00061757	0.00007129	---	---	---	0.53036900
RelInt RSD	*2.14798797*	*6.31784421*	*2.16919305*	---	---	---	*0.42187232*
RelInt SD	*0.00036356*	*0.00003902*	*0.00000155*	---	---	---	*0.00223748*
Conc Mean	0.14831800[mg/l]	<-0.02861090[mg/l]	0.00657901[mg/l]	783241	24404400	85846.00000000	2.38466000[mg/l]
Conc RSD	*2.14876145*	*6.82505618*	*4.04723507*	---	---	---	*0.42211049*
Conc SD	*0.00318700[mg/l]*	*0.00195271[mg/l]*	*0.00026627[mg/l]*	*3288.22000000*	*144397*	*745.49500000*	*0.01006590[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	50.49740000	440.30800000	191253	13298.30000000	4099.01000000	35672.60000000	
Int RSD	*166.47510565*	*9.79053299*	*1.83005234*	*1.35533865*	*0.46172124*	*0.75926341*	
Int SD	*84.06560000*	*43.10850000*	*3500.03000000*	*180.23700000*	*18.92600000*	*270.84900000*	
RelInt Mean	-0.00054027	0.00141335	0.23817700	0.01293400	-0.00006991	0.04145390	
RelInt RSD	*96.63430037*	*50.22478509*	*1.47286682*	*1.47041132*	*74.51277708*	*0.42230285*	
RelInt SD	*0.00052209*	*0.00070985*	*0.00350803*	*0.00019018*	*0.00005209*	*0.00017506*	
Conc Mean	0.00420808[mg/l]	<0.00148871[mg/l]	3.90182000[mg/l]	0.45368400[mg/l]	<-0.00044520[mg/l]	4.14037000[mg/l]	
Conc RSD	*46.35867189*	*50.22522855*	*1.47474512*	*1.54609155*	*47.07806137*	*0.42113144*	
Conc SD	*0.00195081[mg/l]*	*0.00074771[mg/l]*	*0.05754190[mg/l]*	*0.00701437[mg/l]*	*0.00020959[mg/l]*	*0.01743640[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478361-005	Client ID:	AFRAME-C3W-LAT-L2-HS-1-L-230127-FB
Seqnum:	483043992110.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 19:36
Cal:	483043992001	Caldate:	30-JAN-2023		
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	3.067	150	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	800486	-0.26

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478361-005,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:36:22	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26637.00000000	1278.86000000	2846.62000000	5614.18000000	7349.51000000	9541.99000000	5347.99000000
Int RSD	*0.49215002*	*3.57232222*	*1.56172232*	*2.59514301*	*0.57303820*	*2.84575859*	*0.65629330*
Int SD	*131.09400000*	*45.68500000*	*44.45630000*	*145.69600000*	*42.11550000*	*271.54200000*	*35.09850000*
RelInt Mean	0.00000807	0.01322780	0.00011258	0.00160920	0.00399048	0.11073000	0.00182646
RelInt RSD	*32.80915701*	*5.88136349*	*52.95918277*	*11.87869749*	*1.48464846*	*1.88369006*	*2.17849282*
RelInt SD	*0.00000265*	*0.00077797*	*0.00005962*	*0.00019115*	*0.00005924*	*0.00208581*	*0.00003979*
Conc Mean	<-0.00062165[mg/l]	0.94555900[mg/l]	0.01093440[mg/l]	0.01826560[mg/l]	0.01259170[mg/l]	8.98984000[mg/l]	0.01157490[mg/l]
Conc RSD	*17.11109860*	*9.93040096*	*29.90250951*	*12.65334837*	*1.51670545*	*1.87795333*	*2.26931550*
Conc SD	*0.00010637[mg/l]*	*0.09389780[mg/l]*	*0.00326966[mg/l]*	*0.00231121[mg/l]*	*0.00019098[mg/l]*	*0.16882500[mg/l]*	*0.00026267[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	8281.06000000	253432	19122300	-166.43300000	891.81700000	587048	3046.57000000
Int RSD	*0.56343149*	*0.43382051*	*0.48646972*	*57.40946807*	*8.32012621*	*0.25724813*	*0.62725623*
Int SD	*46.65810000*	*1099.44000000*	*93024.20000000*	*95.54830000*	*74.20030000*	*1510.17000000*	*19.10980000*
RelInt Mean	0.00520057	0.00910389	24.03940000	-0.00043219	0.00897641	0.73130300	-0.00007701
RelInt RSD	*0.85039525*	*0.19512977*	*0.54738887*	*188.84410437*	*6.74139216*	*0.31104754*	*47.18798531*
RelInt SD	*0.00004423*	*0.00001776*	*0.13158900*	*0.00081617*	*0.00060514*	*0.00227470*	*0.00003634*
Conc Mean	0.03709730[mg/l]	0.26431600[mg/l]	83.50370000[mg/l]	<0.05274520[mg/l]	2.02352000[mg/l]	0.45866800[mg/l]	<-0.00132294[mg/l]
Conc RSD	*0.87748435*	*0.19848023*	*0.54728473*	*120.31502393*	*5.61906974*	*0.31110302*	*20.34408212*
Conc SD	*0.00032552[mg/l]*	*0.00052461[mg/l]*	*0.45700300[mg/l]*	*0.06346040[mg/l]*	*0.11370300[mg/l]*	*0.00142693[mg/l]*	*0.00026914[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	29460.50000000	11151.50000000	74188.80000000	3245.97000000	2935.62000000	5351.45000000	869.35300000
Int RSD	*2.21518644*	*1.13747926*	*0.13565794*	*0.90916429*	*1.64160893*	*0.98505826*	*12.63284305*
Int SD	*652.60500000*	*126.84600000*	*100.64300000*	*29.51120000*	*48.19140000*	*52.71490000*	*109.82400000*
RelInt Mean	0.33413600	0.00873404	0.08801560	0.00023424	0.00041931	0.00264947	0.00930219
RelInt RSD	*1.75057462*	*1.83542782*	*0.22595199*	*11.74650677*	*11.15179151*	*2.44312259*	*10.55408458*
RelInt SD	*0.00584930*	*0.00016031*	*0.00019887*	*0.00002751*	*0.00004676*	*0.00006473*	*0.00098176*
Conc Mean	2.61360000[mg/l]	0.09269590[mg/l]	3.06686000[mg/l]	0.01601270[mg/l]	0.03161980[mg/l]	0.05083930[mg/l]	0.01018980[mg/l]
Conc RSD	*1.97780073*	*1.88867037*	*0.22575077*	*9.69986323*	*11.15174669*	*2.47066738*	*9.39055722*
Conc SD	*0.05169180[mg/l]*	*0.00175072[mg/l]*	*0.00692346[mg/l]*	*0.00155321[mg/l]*	*0.00352616[mg/l]*	*0.00125607[mg/l]*	*0.00095688[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	526862	2516.72000000	7428.67000000	800486	25123200	85734.50000000	351690
Int RSD	*7.92535806*	*0.49465177*	*0.51238109*	*0.10049145*	*0.22765173*	*0.39568435*	*0.17288151*
Int SD	*41755.70000000*	*12.44900000*	*38.06310000*	*804.42000000*	*57193.40000000*	*339.23800000*	*608.00700000*
RelInt Mean	0.01983740	-0.00054300	0.00007059	---	---	---	0.43858600
RelInt RSD	*8.39903415*	*4.43830975*	*2.99409664*	---	---	---	*0.21693397*
RelInt SD	*0.00166615*	*0.00002410*	*0.00000211*	---	---	---	*0.00095144*
Conc Mean	0.17384100[mg/l]	<-0.02495260[mg/l]	0.00645861[mg/l]	795156	25077200	85727.30000000	1.97168000[mg/l]
Conc RSD	*8.40112517*	*4.95519505*	*5.63274451*	---	---	---	*0.21693175*
Conc SD	*0.01460460[mg/l]*	*0.00123645[mg/l]*	*0.00036380[mg/l]*	*796.33000000*	*57055.80000000*	*320.17100000*	*0.00427720[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-59.96420000	390.09800000	211564	12817.20000000	4106.46000000	23587.00000000	
Int RSD	*233.73946455*	*37.09298689*	*1.13235711*	*0.66319711*	*0.46227895*	*0.66977996*	
Int SD	*140.16000000*	*144.69900000*	*2395.66000000*	*85.00330000*	*18.98330000*	*157.98100000*	
RelInt Mean	-0.00179834	0.00103162	0.26007200	0.01239450	-0.00013929	0.02582890	
RelInt RSD	*63.28280525*	*97.55336267*	*1.23841475*	*0.77313324*	*16.64725816*	*0.74411996*	
RelInt SD	*0.00113804*	*0.00100638*	*0.00322077*	*0.00009583*	*0.00002319*	*0.00019220*	
Conc Mean	<-0.00049272[mg/l]	<0.00108663[mg/l]	4.26102000[mg/l]	0.43378400[mg/l]	<-0.00074927[mg/l]	2.58390000[mg/l]	
Conc RSD	*863.02593151*	*97.55390519*	*1.24025233*	*0.81443991*	*12.40791655*	*0.74082588*	
Conc SD	*0.00425231[mg/l]*	*0.00106005[mg/l]*	*0.05284740[mg/l]*	*0.00353291[mg/l]*	*0.00009297[mg/l]*	*0.01914220[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1042048		
Seqnum:	483043992105.1	Matrix:	Wipe		
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 19:20
Cal:	483043992001	Caldate:	30-JAN-2023		
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	0.003170	ND	0.25	u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	802542	807723	0.65

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BLANK,QC1042048,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:20:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26585.70000000	641.19200000	1607.35000000	3817.81000000	3916.02000000	63.24950000	3613.05000000
Int RSD	*1.59597453*	*16.66505508*	*1.98575295*	*0.94421671*	*1.10963938*	*198.79682843*	*0.48733895*
Int SD	*424.30100000*	*106.85500000*	*31.91800000*	*36.04840000*	*43.45370000*	*125.73800000*	*17.60780000*
RelInt Mean	0.00001923	0.00685511	-0.00014973	0.00023734	0.00021423	-0.00034931	0.00005308
RelInt RSD	*31.61085691*	*11.04085857*	*8.35739952*	*17.89462375*	*25.86182270*	*289.94145518*	*56.31826625*
RelInt SD	*0.00000608*	*0.00075686*	*0.00001251*	*0.00004247*	*0.00005540*	*0.00101278*	*0.00002990*
Conc Mean	<-0.00017296[mg/l]	<0.17640500[mg/l]	<-0.00341711[mg/l]	<0.00167804[mg/l]	<0.00039184[mg/l]	<-0.00047163[mg/l]	<0.00004859[mg/l]
Conc RSD	*141.26367400*	*51.78469998*	*20.08761790*	*30.60290577*	*45.96234139*	*17380.06034353*	*403.91497523*
Conc SD	*0.00024432[mg/l]*	*0.09135080[mg/l]*	*0.00068642[mg/l]*	*0.00051353[mg/l]*	*0.00018010[mg/l]*	*0.08197010[mg/l]*	*0.00019627[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	3681.38000000	28668.90000000	22966.50000000	-269.41100000	-66.29840000	6547.35000000	2455.43000000
Int RSD	*0.56813206*	*1.06993990*	*8.86186402*	*20.59010211*	*84.50716759*	*1.30039023*	*1.65562447*
Int SD	*20.91510000*	*306.74000000*	*2035.26000000*	*55.47200000*	*56.02690000*	*85.14110000*	*40.65270000*
RelInt Mean	0.00016551	0.00017940	0.02315440	-0.00165464	-0.00232056	0.00270017	0.00026313
RelInt RSD	*32.27425153*	*2.64310877*	*11.38880731*	*35.48923029*	*59.41324508*	*3.76298529*	*18.93803729*
RelInt SD	*0.00005342*	*0.00000474*	*0.00263701*	*0.00058722*	*0.00137872*	*0.00010161*	*0.00004983*
Conc Mean	<0.00004297[mg/l]	<0.00074179[mg/l]	0.07850000[mg/l]	<-0.04230500[mg/l]	<-0.09915500[mg/l]	0.00161913[mg/l]	<0.00119614[mg/l]
Conc RSD	*914.87480014*	*18.87846511*	*11.66887898*	*107.92743175*	*261.26569512*	*3.93637324*	*30.85332821*
Conc SD	*0.00039310[mg/l]*	*0.00014004[mg/l]*	*0.00916007[mg/l]*	*0.04565870[mg/l]*	*0.25905800[mg/l]*	*0.00006373[mg/l]*	*0.00036905[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	1672.44000000	4103.14000000	3801.34000000	2554.48000000	1848.95000000	2664.87000000	-58.69950000
Int RSD	*8.99207146*	*0.69401970*	*0.70371238*	*0.37082263*	*0.93328646*	*0.00790706*	*42.58349730*
Int SD	*150.38700000*	*28.47660000*	*26.75050000*	*9.47259000*	*17.25600000*	*0.21071300*	*24.99630000*
RelInt Mean	0.01033450	0.00036680	0.00000280	0.00008406	0.00005360	0.00131740	-0.00125809
RelInt RSD	*8.06485074*	*6.00083970*	*1889.50743504*	*29.85799243*	*55.12231888*	*0.93796114*	*57.86772012*
RelInt SD	*0.00083346*	*0.00002201*	*0.00005295*	*0.00002510*	*0.00002955*	*0.00001236*	*0.00072803*
Conc Mean	<-0.24799200[mg/l]	<0.00131697[mg/l]	<0.00316967[mg/l]	0.00776125[mg/l]	<0.00404204[mg/l]	0.02499070[mg/l]	<-0.00010301[mg/l]
Conc RSD	*2.96991032*	*18.25227606*	*58.07008301*	*18.21137059*	*55.12216603*	*0.95928485*	*688.83538971*
Conc SD	*0.00736514[mg/l]*	*0.00024038[mg/l]*	*0.00184063[mg/l]*	*0.00141343[mg/l]*	*0.00222806[mg/l]*	*0.00023973[mg/l]*	*0.00070959[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	49495.50000000	1669.38000000	5967.57000000	807723	25706000	86714.10000000	4307.92000000
Int RSD	*17.72039882*	*0.30621668*	*2.10645204*	*0.39159960*	*0.63604606*	*0.51341247*	*1.01944094*
Int SD	*8770.80000000*	*5.11192000*	*125.70400000*	*3163.04000000*	*163502*	*445.20100000*	*43.91670000*
RelInt Mean	0.00079723	-0.00013140	0.00003520	---	---	---	0.00243457
RelInt RSD	*45.23131882*	*2.16575090*	*5.32965675*	---	---	---	*3.27251219*
RelInt SD	*0.00036060*	*0.00000285*	*0.00000188*	---	---	---	*0.00007967*
Conc Mean	0.00694649[mg/l]	<-0.00400090[mg/l]	<0.00036478[mg/l]	802835	25661300	86706.00000000	0.00920811[mg/l]
Conc RSD	*45.50182898*	*3.73256017*	*88.55888876*	---	---	---	*3.89528361*
Conc SD	*0.00316078[mg/l]*	*0.00014934[mg/l]*	*0.00032305[mg/l]*	*3144.55000000*	*163124*	*522.68100000*	*0.00035868[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-115.59900000	449.91900000	5038.96000000	2694.26000000	3664.82000000	2140.09000000	
Int RSD	*21.70087977*	*3.46251214*	*0.57739097*	*0.88799893*	*1.51287376*	*2.04395142*	
Int SD	*25.08600000*	*15.57850000*	*29.09450000*	*23.92500000*	*55.44410000*	*43.74240000*	
RelInt Mean	-0.00238026	0.00113158	0.00147120	0.00124269	0.00017205	0.00016129	
RelInt RSD	*10.29127070*	*66.20654306*	*2.18249048*	*1.67800497*	*25.70917080*	*35.19058838*	
RelInt SD	*0.00024496*	*0.00074918*	*0.00003211*	*0.00002085*	*0.00004423*	*0.00005676*	
Conc Mean	<-0.00266708[mg/l]	<0.00119192[mg/l]	0.01865330[mg/l]	0.02249400[mg/l]	<0.00058077[mg/l]	0.02703240[mg/l]	
Conc RSD	*34.31813069*	*66.20687630*	*2.83239427*	*3.41923180*	*30.91844834*	*20.91564197*	
Conc SD	*0.00091529[mg/l]*	*0.00078913[mg/l]*	*0.00052834[mg/l]*	*0.00076912[mg/l]*	*0.00017957[mg/l]*	*0.00565400[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 478361 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	483043992106.8	Seqnum:	483043992107.7
File:	met06_master011	File:	met06_master011
IDF:	1.0	IDF:	1.0
Lab ID:	QC1042049	Lab ID:	QC1042050
Matrix:	Wipe	Matrix:	Wipe
Batch:	306445	Batch:	306445
Time:	30-JAN-2023 19:23	Time:	30-JAN-2023 19:26
Cal:	483043992001	Cal:	483043992001
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	1.059	52.93	A	106	1.030	51.48	A	103	80-120	3	20	**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	802542	796787	-0.72

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	802542	793846	-1.08

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BS,QC1042049,306445				Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:23:18	Recalculation Date:	State: Measured	Quality: Drifted	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	305027	742.55700000	15258.50000000	60815.10000000	267351	234.03600000	133711
Int RSD	*0.92592131*	*7.97607456*	*0.44002818*	*0.34753869*	*0.16951199*	*59.06228102*	*0.08198578*
Int SD	*2824.31000000*	*59.22690000*	*67.14170000*	*211.35600000*	*453.19200000*	*138.22700000*	*109.62400000*
RelInt Mean	0.01113150	0.00697868	0.01695400	0.07206400	0.33256000	0.00161972	0.16385800
RelInt RSD	*0.50423752*	*11.62545066*	*0.41234458*	*1.01054618*	*0.59451528*	*65.16311461*	*0.56532791*
RelInt SD	*0.00005613*	*0.00081130*	*0.00006991*	*0.00072824*	*0.00197712*	*0.00105546*	*0.00092634*
Conc Mean	0.44641600[mg/l]	<0.19131900[mg/l]	0.93360600[mg/l]	0.87015300[mg/l]	1.06943000[mg/l]	0.15889300[mg/l]	1.08944000[mg/l]
Conc RSD	*0.50538959*	*51.18231854*	*0.41011305*	*1.01191630*	*0.59474954*	*53.76202853*	*0.56785872*
Conc SD	*0.00225614[mg/l]*	*0.09792150[mg/l]*	*0.00382884[mg/l]*	*0.00880522[mg/l]*	*0.00636043[mg/l]*	*0.08542410[mg/l]*	*0.00618648[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	116594	875262	272770	4140.85000000	148.09100000	1417430	114957
Int RSD	*0.74429044*	*0.94681364*	*0.39237086*	*3.56762500*	*40.64264540*	*0.28735669*	*0.15623494*
Int SD	*867.79800000*	*8287.10000000*	*1070.27000000*	*147.73000000*	*60.18810000*	*4073.08000000*	*179.60300000*
RelInt Mean	0.14233400	0.03401070	0.33871300	0.04904650	-0.00046300	1.78414000	0.14211700
RelInt RSD	*0.73546026*	*0.44904104*	*0.88113240*	*3.20915866*	*100.52246672*	*0.60483482*	*0.49327596*
RelInt SD	*0.00104681*	*0.00015272*	*0.00298451*	*0.00157398*	*0.00046542*	*0.01079110*	*0.00070103*
Conc Mean	1.04630000[mg/l]	0.99990900[mg/l]	1.17466000[mg/l]	3.89992000[mg/l]	0.24987700[mg/l]	1.11911000[mg/l]	1.05178000[mg/l]
Conc RSD	*0.73615120*	*0.45136607*	*0.88228083*	*3.13819258*	*34.99737871*	*0.60446158*	*0.49361749*
Conc SD	*0.00770235[mg/l]*	*0.00451325[mg/l]*	*0.01036380[mg/l]*	*0.12238700[mg/l]*	*0.08745040[mg/l]*	*0.00676459[mg/l]*	*0.00519177[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	9585.04000000	80899.60000000	28055.40000000	15909.40000000	10439.10000000	2768.31000000	96858.30000000
Int RSD	*0.36526921*	*0.33986942*	*0.17312175*	*0.10146391*	*0.91081798*	*0.69330386*	*0.77319032*
Int SD	*35.01120000*	*274.95300000*	*48.57000000*	*16.14230000*	*95.08120000*	*19.19280000*	*748.89900000*
RelInt Mean	0.09995410	0.09691570	0.03032130	0.01674590	0.01075110	0.00129119	1.11371000
RelInt RSD	*0.53522467*	*0.39633310*	*0.73810819*	*0.68220281*	*0.51600952*	*1.47334629*	*0.28293990*
RelInt SD	*0.00053498*	*0.00038411*	*0.00022380*	*0.00011424*	*0.00005548*	*0.00001902*	*0.00315113*
Conc Mean	0.54402200[mg/l]	1.05573000[mg/l]	1.05858000[mg/l]	0.94119700[mg/l]	0.81072800[mg/l]	0.02448200[mg/l]	1.08663000[mg/l]
Conc RSD	*0.86942256*	*0.39725498*	*0.73687298*	*0.68124633*	*0.51591286*	*1.50767503*	*0.28268868*
Conc SD	*0.00472985[mg/l]*	*0.00419394[mg/l]*	*0.00780039[mg/l]*	*0.00641187[mg/l]*	*0.00418265[mg/l]*	*0.00036911[mg/l]*	*0.00307178[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	2950770	19173.10000000	146540	796787	24973800	86901.40000000	184154
Int RSD	*1.66390129*	*0.26269774*	*1.42267640*	*0.64942952*	*0.71843292*	*0.48833506*	*0.20589126*
Int SD	*49097.90000000*	*50.36730000*	*2084.79000000*	*5174.57000000*	*179420*	*424.37000000*	*379.15700000*
RelInt Mean	0.11698600	0.02174220	0.00565447	---	---	---	0.22918500
RelInt RSD	*1.17190091*	*0.50919870*	*0.99386503*	---	---	---	*0.50934398*
RelInt SD	*0.00137096*	*0.00011071*	*0.00005620*	---	---	---	*0.00116734*
Conc Mean	1.02538000[mg/l]	1.08202000[mg/l]	0.96734900[mg/l]	791744	24928900	86864.40000000	1.02896000[mg/l]
Conc RSD	*1.17164368*	*0.51129554*	*1.00030289*	---	---	---	*0.51008397*
Conc SD	*0.01201380[mg/l]*	*0.00553232[mg/l]*	*0.00967642[mg/l]*	*5163.64000000*	*179477*	*487.38300000*	*0.00524856[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22119.30000000	58398.60000000	219183	3279.85000000	183719	2346.92000000	
Int RSD	*0.55172632*	*1.10301617*	*0.37021347*	*0.58791103*	*0.34724715*	*1.50875616*	
Int SD	*122.03800000*	*644.14600000*	*811.44500000*	*19.28260000*	*637.95900000*	*35.40930000*	
RelInt Mean	0.25283100	0.66494200	0.27149300	0.00183781	0.22693500	0.00028745	
RelInt RSD	*0.85212256*	*0.83078073*	*0.89322745*	*0.84858065*	*0.56503404*	*18.78862832*	
RelInt SD	*0.00215443*	*0.00552421*	*0.00242505*	*0.00001560*	*0.00128226*	*0.00005401*	
Conc Mean	0.95093700[mg/l]	0.70039900[mg/l]	4.42467000[mg/l]	0.04444310[mg/l]	0.92789300[mg/l]	0.03959990[mg/l]	
Conc RSD	*0.84654609*	*0.83080644*	*0.89672450*	*1.29406140*	*0.56572794*	*13.58591815*	
Conc SD	*0.00805012[mg/l]*	*0.00581896[mg/l]*	*0.03967710[mg/l]*	*0.00057512[mg/l]*	*0.00524935[mg/l]*	*0.00538001[mg/l]*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BSD,QC1042050,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:26:34	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	296210	689.27600000	14877.30000000	59306.80000000	261971	156.66200000	130390
Int RSD	*1.65610884*	*9.27770588*	*0.29254771*	*0.44622876*	*0.92633154*	*25.82910980*	*0.96373955*
Int SD	*4905.56000000*	*63.94900000*	*43.52320000*	*264.64400000*	*2426.72000000*	*40.46440000*	*1256.62000000*
RelInt Mean	0.01093020	0.00731673	0.01650950	0.07041490	0.32698900	0.00135456	0.16026100
RelInt RSD	*1.25196245*	*5.31368521*	*1.30808928*	*0.69115201*	*0.19273309*	*6.34799492*	*0.17361055*
RelInt SD	*0.00013684*	*0.00038879*	*0.00021596*	*0.00048667*	*0.00063022*	*0.00008599*	*0.00027823*
Conc Mean	0.43832600[mg/l]	0.23212100[mg/l]	0.90924400[mg/l]	0.85021300[mg/l]	1.05149000[mg/l]	0.13743200[mg/l]	1.06550000[mg/l]
Conc RSD	*1.25449323*	*20.21600803*	*1.30222471*	*0.69207716*	*0.19181923*	*5.06400256*	*0.17254716*
Conc SD	*0.00549877[mg/l]*	*0.04692560[mg/l]*	*0.01184040[mg/l]*	*0.00588413[mg/l]*	*0.00201696[mg/l]*	*0.00695956[mg/l]*	*0.00183849[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	114550	853008	266881	4028.12000000	92.91910000	1382270	113022
Int RSD	*0.84643562*	*1.52693761*	*1.18176266*	*4.81653973*	*40.93948392*	*0.75250132*	*0.52830334*
Int SD	*969.59200000*	*13024.90000000*	*3153.90000000*	*194.01600000*	*38.04060000*	*10401.60000000*	*597.09900000*
RelInt Mean	0.14027000	0.03359440	0.33252400	0.04849500	-0.00043346	1.74622000	0.14017800
RelInt RSD	*0.29189706*	*1.15853535*	*0.17615691*	*4.93877719*	*110.95925806*	*0.71090126*	*0.60210090*
RelInt SD	*0.00040944*	*0.00038920*	*0.00058576*	*0.00239506*	*0.00048096*	*0.01241390*	*0.00084401*
Conc Mean	1.03111000[mg/l]	0.98761100[mg/l]	1.15316000[mg/l]	3.85703000[mg/l]	0.25542600[mg/l]	1.09532000[mg/l]	1.03741000[mg/l]
Conc RSD	*0.29272532*	*1.16354516*	*0.17638229*	*4.82830053*	*35.38093225*	*0.71093653*	*0.60300074*
Conc SD	*0.00301832[mg/l]*	*0.01149130[mg/l]*	*0.00203397[mg/l]*	*0.18622900[mg/l]*	*0.09037210[mg/l]*	*0.00778703[mg/l]*	*0.00625559[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	9727.27000000	79353.90000000	27291.00000000	15798.60000000	10194.60000000	2835.17000000	94814.20000000
Int RSD	*1.61853223*	*0.83423121*	*0.88623722*	*0.28167876*	*0.42991486*	*0.98951033*	*0.51463177*
Int SD	*157.43900000*	*661.99500000*	*241.86300000*	*44.50130000*	*43.82810000*	*28.05430000*	*487.94400000*
RelInt Mean	0.10351700	0.09532100	0.02949100	0.01668360	0.01049480	0.00140143	1.10219000
RelInt RSD	*1.79398553*	*0.28947766*	*0.35946221*	*0.81456041*	*0.54653924*	*2.01634045*	*0.38437112*
RelInt SD	*0.00185708*	*0.00027593*	*0.00010601*	*0.00013590*	*0.00005736*	*0.00002826*	*0.00423650*
Conc Mean	0.57551200[mg/l]	1.03831000[mg/l]	1.02967000[mg/l]	0.93777700[mg/l]	0.79139800[mg/l]	0.02662120[mg/l]	1.07540000[mg/l]
Conc RSD	*2.85222550*	*0.29028325*	*0.35916362*	*0.81530364*	*0.54683990*	*2.05967800*	*0.38370653*
Conc SD	*0.01641490[mg/l]*	*0.00301404[mg/l]*	*0.00369820[mg/l]*	*0.00764573[mg/l]*	*0.00432768[mg/l]*	*0.00054831[mg/l]*	*0.00412638[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	2874900	18771.40000000	142955	793846	24629600	85938.20000000	180189
Int RSD	*1.31985460*	*0.35095091*	*1.83673883*	*1.09098742*	*0.98026765*	*0.17186769*	*0.99301289*
Int SD	*37944.50000000*	*65.87840000*	*2625.71000000*	*8660.76000000*	*241436*	*147.70000000*	*1789.30000000*
RelInt Mean	0.11554800	0.02128090	0.00558761	---	---	---	0.22505100
RelInt RSD	*0.70832987*	*1.47742812*	*1.50630950*	---	---	---	*0.30293578*
RelInt SD	*0.00081846*	*0.00031441*	*0.00008417*	---	---	---	*0.00068176*
Conc Mean	1.01278000[mg/l]	1.05908000[mg/l]	0.95584300[mg/l]	788815	24584800	85955.60000000	1.01036000[mg/l]
Conc RSD	*0.70862774*	*1.47883068*	*1.51585564*	---	---	---	*0.30379271*
Conc SD	*0.00717684[mg/l]*	*0.01566200[mg/l]*	*0.01448920[mg/l]*	*8669.48000000*	*241133*	*125.92900000*	*0.00306940[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21545.40000000	56750.20000000	215182	3318.40000000	178939	2411.70000000	
Int RSD	*0.09353737*	*0.35745953*	*1.24222751*	*4.74373192*	*1.10279481*	*0.28840196*	
Int SD	*20.15300000*	*202.85900000*	*2673.05000000*	*157.41600000*	*1973.33000000*	*6.95539000*	
RelInt Mean	0.24956100	0.65310600	0.26743000	0.00189484	0.22165700	0.00038619	
RelInt RSD	*0.28125028*	*0.61256060*	*0.30251169*	*9.49130270*	*0.27963701*	*5.00450553*	
RelInt SD	*0.00070189*	*0.00400067*	*0.00080901*	*0.00017985*	*0.00061984*	*0.00001933*	
Conc Mean	0.93871800[mg/l]	0.68793100[mg/l]	4.35835000[mg/l]	0.04654640[mg/l]	0.90632000[mg/l]	0.04943580[mg/l]	
Conc RSD	*0.27943429*	*0.61248003*	*0.30455103*	*14.25027499*	*0.27897762*	*3.89434378*	
Conc SD	*0.00262310[mg/l]*	*0.00421344[mg/l]*	*0.01327340[mg/l]*	*0.00663299[mg/l]*	*0.00252843[mg/l]*	*0.00192520[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 478361 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483043992001	Date:	30-JAN-2023 13:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483043992003	L1	30-JAN-2023 13:23	S17856, S13369 (100X)
L2	met06_master011	483043992004	L2	30-JAN-2023 13:26	S17855, S13369 (100X)
L3	met06_master011	483043992005	L3	30-JAN-2023 13:29	S17854, S13369 (100X)
L4	met06_master011	483043992006	L4	30-JAN-2023 13:33	S17853, S13369 (100X)
L5	met06_master011	483043992007	L5	30-JAN-2023 13:36	S17852, S13369 (100X)
L6	met06_master011	483043992008	L6	30-JAN-2023 13:39	S17851, S13369 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00309	34.8131		0.0240	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	0.0232	0.0329	0.0310	0.0288	0.0287

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-10	0.0100	12	0.1000	18	1.0000	8	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	483043992001	Cal Date:	30-JAN-2023

- ICV 483043992011 (30-JAN-2023) stds: S17901, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.047	mg/l	5	10	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:20:05	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28289.70000000	540.68600000	1716.50000000	4047.55000000	4164.93000000	-2.17958000	3958.52000000
Int RSD	*2.00962895*	*7.19410157*	*0.44944072*	*0.89349359*	*0.68866223*	*1430.88117894*	*1.46582309*
Int SD	*568.51800000*	*38.89750000*	*7.71465000*	*36.16460000*	*28.68230000*	*31.18720000*	*58.02490000*
RelInt Mean	0.00002354	0.00541018	-0.00008832	0.00010090	0.00008273	-0.00034347	0.00003644
RelInt RSD	*9.17958327*	*2.99078774*	*33.65704037*	*37.51377547*	*39.75214893*	*230.59100292*	*125.13673949*
RelInt SD	*0.00000216*	*0.00016181*	*0.00002973*	*0.00003785*	*0.00003289*	*0.00079200*	*0.00004560*

	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	3970.48000000	29729.60000000	5182.62000000	-255.11900000	-56.52830000	4686.71000000	2465.60000000
Int RSD	*0.52091687*	*1.76379433*	*1.05633637*	*20.04919273*	*297.94987643*	*0.25014349*	*3.33582090*
Int SD	*20.68290000*	*524.36900000*	*54.74590000*	*51.14930000*	*168.42600000*	*11.72350000*	*82.24800000*
RelInt Mean	0.00014967	0.00015618	0.00050640	-0.00111039	-0.00179284	-0.00003162	0.00009562
RelInt RSD	*10.42005746*	*4.45448492*	*6.87415581*	*44.19104999*	*54.67409250*	*59.22128036*	*82.03538018*
RelInt SD	*0.00001560*	*0.00000696*	*0.00003481*	*0.00049069*	*0.00098022*	*0.00001872*	*0.00007844*

	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	4414.41000000	4382.70000000	4039.71000000	2680.11000000	1956.44000000	1740.52000000	-70.25090000
Int RSD	*0.63425237*	*0.65180825*	*0.98002332*	*0.49075971*	*0.28372043*	*1.00509618*	*99.64427502*
Int SD	*27.99850000*	*28.56680000*	*39.59010000*	*13.15290000*	*5.55082000*	*17.49390000*	*70.00100000*
RelInt Mean	0.03913760	0.00023648	-0.00009173	-0.00005358	-0.00000477	0.00002565	-0.00137206
RelInt RSD	*4.26211623*	*21.30507772*	*17.00510298*	*43.66106491*	*494.92700294*	*40.17815375*	*33.72760666*
RelInt SD	*0.00166809*	*0.00005038*	*0.00001560*	*0.00002339*	*0.00002360*	*0.00001031*	*0.00046276*

	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	30691.10000000	1706.39000000	6386.89000000	802542	27309900	91935.90000000	2817.64000000
Int RSD	*1.81741287*	*1.09062407*	*2.41602721*	*0.20967501*	*1.69319185*	*0.99028562*	*0.52432177*
Int SD	*557.78400000*	*18.61030000*	*154.30900000*	*1682.73000000*	*462409*	*910.42800000*	*14.77350000*
RelInt Mean	0.00000892	-0.00006310	0.00003322	---	---	---	0.00030915
RelInt RSD	*32.16893426*	*11.03687925*	*15.35060760*	---	---	---	*10.39854697*
RelInt SD	*0.00000287*	*0.00000696*	*0.00000510*	---	---	---	*0.00003215*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-66.87120000	373.56600000	4449.49000000	2283.23000000	3953.22000000	2059.03000000	
Int RSD	*91.89710967*	*7.98268579*	*1.17351652*	*3.96431809*	*1.11612053*	*1.35970821*	
Int SD	*61.45270000*	*29.82060000*	*52.21550000*	*90.51450000*	*44.12270000*	*27.99680000*	
RelInt Mean	-0.00166645	0.00043418	0.00033250	0.00063278	0.00003244	-0.00011008	
RelInt RSD	*36.72135378*	*77.72644254*	*13.43195106*	*17.76083315*	*76.67533957*	*38.53025073*	
RelInt SD	*0.00061194*	*0.00033748*	*0.00004466*	*0.00011239*	*0.00002487*	*0.00004241*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L1,S17856			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:23:22	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	27864.10000000	585.51800000	1728.11000000	4153.97000000	5029.22000000	24.11400000	4088.67000000
Int RSD	*0.41522604*	*17.21723329*	*0.15352263*	*0.36132904*	*0.89285217*	*154.89632579*	*0.75839332*
Int SD	*115.69900000*	*100.81000000*	*2.65304000*	*15.00950000*	*44.90350000*	*37.35170000*	*31.00820000*
RelInt Mean	0.00002504	0.00519114	-0.00007972	0.00035054	0.00127200	-0.00042357	0.00026282
RelInt RSD	*20.50893085*	*31.90012213*	*12.31466825*	*6.17295080*	*4.67747642*	*68.60573552*	*12.01269324*
RelInt SD	*0.00000513*	*0.00165598*	*0.00000982*	*0.00002164*	*0.00005950*	*0.00029059*	*0.00003157*

	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	4251.19000000	32377.40000000	6846.62000000	-226.67100000	68.27280000	9339.80000000	2743.65000000
Int RSD	*0.59170491*	*0.32132599*	*0.53078161*	*47.03733605*	*60.23438324*	*0.21059659*	*0.75639750*
Int SD	*25.15450000*	*104.03700000*	*36.34060000*	*106.62000000*	*41.12370000*	*19.66930000*	*20.75290000*
RelInt Mean	0.00058529	0.00026709	0.00273360	-0.00125199	-0.00098336	0.00596380	0.00047937
RelInt RSD	*4.91887727*	*2.99147846*	*1.19270925*	*32.43468398*	*73.87424125*	*1.20809719*	*14.08491926*
RelInt SD	*0.00002879*	*0.00000799*	*0.00003260*	*0.00040608*	*0.00072645*	*0.00007205*	*0.00006752*

	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	4682.88000000	4606.64000000	4039.71000000	2799.75000000	2044.46000000	1874.80000000	318.45000000
Int RSD	*3.86193966*	*1.35919021*	*0.94068386*	*0.45618716*	*2.20661201*	*1.08379560*	*29.62804208*
Int SD	*180.85000000*	*62.61300000*	*38.00090000*	*12.77210000*	*45.11330000*	*20.31900000*	*94.35050000*
RelInt Mean	0.04206360	0.00057204	-0.00000260	0.00014804	0.00016817	0.00020869	0.00329071
RelInt RSD	*5.00687055*	*14.19455496*	*1895.57059366*	*11.36349205*	*10.97767074*	*14.32442534*	*27.19549884*
RelInt SD	*0.00210607*	*0.00008120*	*0.00004930*	*0.00001682*	*0.00001846*	*0.00002989*	*0.00089492*

	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	39809.30000000	1884.23000000	6522.29000000	791978	26719700	92161.90000000	4775.99000000
Int RSD	*0.10602573*	*0.18054908*	*0.59248975*	*0.22660225*	*0.53304116*	*0.83157682*	*0.77238436*
Int SD	*42.20810000*	*3.40196000*	*38.64390000*	*1794.64000000*	*142427*	*766.39700000*	*36.88900000*
RelInt Mean	0.00036064	0.00018061	0.00004276	---	---	---	0.00284422
RelInt RSD	*2.29180219*	*4.47809043*	*8.70257516*	---	---	---	*1.93040623*
RelInt SD	*0.00000827*	*0.00000809*	*0.00000372*	---	---	---	*0.00005491*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-72.97850000	506.73400000	4385.50000000	2510.78000000	4239.48000000	2037.03000000	
Int RSD	*130.78797180*	*15.39095462*	*1.06003420*	*0.76678164*	*0.26858247*	*1.93406577*	
Int SD	*95.44710000*	*77.99120000*	*46.48780000*	*19.25220000*	*11.38650000*	*39.39750000*	
RelInt Mean	-0.00203890	0.00193531	0.00037770	0.00093734	0.00049226	-0.00009998	
RelInt RSD	*29.58448183*	*39.28647090*	*7.07465793*	*4.50887513*	*9.02454780*	*60.81441682*	
RelInt SD	*0.00060320*	*0.00076032*	*0.00002672*	*0.00004226*	*0.00004442*	*0.00006080*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L2,S17855			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:26:39	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28013.80000000	607.53700000	1904.39000000	4675.19000000	6897.17000000	57.89400000	4618.70000000
Int RSD	*0.38127637*	*16.56919661*	*1.25328320*	*0.81713898*	*0.13570479*	*117.13942723*	*0.59801892*
Int SD	*106.81000000*	*100.66400000*	*23.86740000*	*38.20280000*	*9.35979000*	*67.81670000*	*27.62070000*
RelInt Mean	0.00002658	0.00530862	0.00013651	0.00091060	0.00351138	0.00049333	0.00087121
RelInt RSD	*13.62259834*	*21.34848605*	*17.09965716*	*5.80815485*	*0.66679197*	*185.02233808*	*4.31646476*
RelInt SD	*0.00000362*	*0.00113331*	*0.00002334*	*0.00005289*	*0.00002341*	*0.00091277*	*0.00003761*

	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	5125.45000000	38185.90000000	10255.90000000	-283.07500000	12.98800000	19271.90000000	3561.06000000
Int RSD	*0.83515008*	*0.22458132*	*0.41919383*	*10.85818246*	*893.65568217*	*0.24290755*	*0.62438150*
Int SD	*42.80520000*	*85.75840000*	*42.99210000*	*30.73680000*	*116.06800000*	*46.81290000*	*22.23460000*
RelInt Mean	0.00161011	0.00046956	0.00683464	-0.00181208	-0.00172043	0.01813350	0.00145884
RelInt RSD	*2.89602574*	*1.94934822*	*1.38495810*	*15.71453799*	*58.63534116*	*0.79752392*	*1.27335417*
RelInt SD	*0.00004663*	*0.00000915*	*0.00009466*	*0.00028476*	*0.00100878*	*0.00014462*	*0.00001858*

	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	6391.03000000	5178.54000000	4287.55000000	3139.32000000	2324.46000000	2204.09000000	3458.34000000
Int RSD	*0.49064392*	*1.32437328*	*0.61232172*	*0.89438159*	*0.54041369*	*0.81596033*	*2.39955875*
Int SD	*31.35720000*	*68.58320000*	*26.25360000*	*28.07750000*	*12.56170000*	*17.98450000*	*82.98490000*
RelInt Mean	0.05970610	0.00123481	0.00023216	0.00053991	0.00047017	0.00059208	0.03654630
RelInt RSD	*1.85069867*	*4.67250832*	*12.58004213*	*11.16762053*	*2.98247219*	*8.67515095*	*2.09179315*
RelInt SD	*0.00110498*	*0.00005770*	*0.00002921*	*0.00006030*	*0.00001402*	*0.00005136*	*0.00076447*

	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	60425.70000000	2312.04000000	7076.49000000	808139	27119300	93115.30000000	8668.69000000
Int RSD	*0.58025310*	*1.07305669*	*1.74053804*	*0.40662312*	*0.86915591*	*0.83850559*	*0.16075209*
Int SD	*350.62200000*	*24.80950000*	*123.16900000*	*3286.08000000*	*235709*	*780.77700000*	*13.93510000*
RelInt Mean	0.00111604	0.00067920	0.00006230	---	---	---	0.00757495
RelInt RSD	*1.42572847*	*6.76652940*	*6.70394550*	---	---	---	*0.49529964*
RelInt SD	*0.00001591*	*0.00004596*	*0.00000418*	---	---	---	*0.00003752*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-104.24900000	748.26500000	4466.07000000	2516.98000000	4981.22000000	2069.02000000	
Int RSD	*73.61893160*	*9.72193006*	*0.70551290*	*0.60724360*	*0.34762367*	*1.74870712*	
Int SD	*76.74700000*	*72.74580000*	*31.50870000*	*15.28420000*	*17.31590000*	*36.18110000*	
RelInt Mean	-0.00250935	0.00390328	0.00038218	0.00091139	0.00136330	-0.00006815	
RelInt RSD	*29.72534720*	*10.35085876*	*19.04115109*	*3.33865122*	*0.74184699*	*77.57504794*	
RelInt SD	*0.00074591*	*0.00040402*	*0.00007277*	*0.00003043*	*0.00001011*	*0.00005287*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L3,S17854			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:29:55	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28105.40000000	525.83000000	3285.89000000	10686.50000000	31408.70000000	216.04800000	10805.90000000
Int RSD	*0.59372932*	*20.02320141*	*2.01657085*	*1.15243532*	*0.19104388*	*37.38905243*	*1.51965130*
Int SD	*166.87000000*	*105.28800000*	*66.26230000*	*123.15500000*	*60.00440000*	*80.77830000*	*164.21200000*
RelInt Mean	0.00002336	0.00494821	0.00185600	0.00839134	0.03405920	0.00228649	0.00855905
RelInt RSD	*30.22345484*	*19.38468658*	*3.16550108*	*1.74154545*	*0.18856109*	*30.19225975*	*2.57192095*
RelInt SD	*0.00000706*	*0.00095920*	*0.00005875*	*0.00014614*	*0.00006422*	*0.00069034*	*0.00022013*

	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	15827.50000000	118283	56557.50000000	-246.85200000	84.71500000	150979	13852.80000000
Int RSD	*0.24155552*	*0.57092313*	*0.56245237*	*23.03197868*	*41.55875583*	*0.51620159*	*0.18540006*
Int SD	*38.23220000*	*675.30500000*	*318.10900000*	*56.85490000*	*35.20650000*	*779.35600000*	*25.68310000*
RelInt Mean	0.01489980	0.00343777	0.06458290	-0.00093143	-0.00060888	0.18233900	0.01425790
RelInt RSD	*0.41846535*	*1.19629585*	*0.50211743*	*63.20834935*	*41.11595426*	*0.44345697*	*0.14662819*
RelInt SD	*0.00006235*	*0.00004113*	*0.00032428*	*0.00058874*	*0.00025035*	*0.00080859*	*0.00002091*

	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	20378.80000000	12472.30000000	6745.41000000	7208.28000000	5573.65000000	6436.16000000	49989.70000000
Int RSD	*0.89514103*	*0.23226189*	*0.91213581*	*0.93116943*	*0.77842706*	*0.70427242*	*0.27716910*
Int SD	*182.41900000*	*28.96840000*	*61.52730000*	*67.12130000*	*43.38680000*	*45.32810000*	*138.55600000*
RelInt Mean	0.20575600	0.01030020	0.00329101	0.00559394	0.00449680	0.00584939	0.52708900
RelInt RSD	*1.08078987*	*0.46084057*	*1.44458692*	*1.53126061*	*0.84453834*	*0.93925691*	*0.30471325*
RelInt SD	*0.00222379*	*0.00004747*	*0.00004754*	*0.00008566*	*0.00003798*	*0.00005494*	*0.00160611*

	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	329618	7455.47000000	13806.60000000	806764	26967700	94729.90000000	62615.90000000
Int RSD	*0.36288370*	*0.20202348*	*1.71169586*	*0.14993480*	*0.63830063*	*0.09343386*	*0.66541406*
Int SD	*1196.13000000*	*15.06180000*	*236.32700000*	*1209.62000000*	*172135*	*88.50980000*	*416.65500000*
RelInt Mean	0.01109960	0.00708731	0.00030994	---	---	---	0.07484960
RelInt RSD	*0.94451151*	*0.20201741*	*3.30683384*	---	---	---	*0.61166660*
RelInt SD	*0.00010484*	*0.00001432*	*0.00001025*	---	---	---	*0.00045783*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-90.89420000	5767.16000000	4639.61000000	2592.04000000	14276.20000000	2113.53000000	
Int RSD	*29.18987130*	*0.35103933*	*0.45317171*	*2.27249965*	*0.76725599*	*1.01881686*	
Int SD	*26.53190000*	*20.24500000*	*21.02540000*	*58.90410000*	*109.53500000*	*21.53300000*	
RelInt Mean	-0.00154712	0.05661140	0.00058398	0.00098136	0.01289880	-0.00004502	
RelInt RSD	*14.40114535*	*0.66173951*	*8.46524515*	*7.52049955*	*1.03190219*	*26.37747350*	
RelInt SD	*0.00022280*	*0.00037462*	*0.00004944*	*0.00007380*	*0.00013310*	*0.00001187*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L4,S17853			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:33:12	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28912.10000000	1199.11000000	16987.40000000	70355.20000000	265036	10705.30000000	68067.20000000
Int RSD	*1.07772524*	*4.23630026*	*0.12500206*	*0.40311306*	*0.32622285*	*2.50402137*	*0.26997144*
Int SD	*311.59300000*	*50.79790000*	*21.23460000*	*283.61100000*	*864.60800000*	*268.06300000*	*183.76200000*
RelInt Mean	0.00001378	0.01129250	0.01868830	0.08231540	0.32394500	0.11437300	0.07937400
RelInt RSD	*39.60008128*	*4.87266770*	*2.82978655*	*2.95493917*	*2.67347544*	*1.86449599*	*3.12492756*
RelInt SD	*0.00000546*	*0.00055025*	*0.00052884*	*0.00243237*	*0.00866059*	*0.00213248*	*0.00248038*

	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	117838	884298	495988	14098.90000000	4307.96000000	1383380	113214
Int RSD	*0.20914561*	*0.71541268*	*0.40602998*	*1.24047266*	*2.94580265*	*0.63144111*	*0.35826311*
Int SD	*246.45300000*	*6326.38000000*	*2013.86000000*	*174.89300000*	*126.90400000*	*8735.23000000*	*405.60400000*
RelInt Mean	0.14125600	0.03309760	0.61011600	0.15246500	0.04384130	1.71300000	0.13741300
RelInt RSD	*2.71982075*	*0.21984132*	*2.58885196*	*0.68811203*	*1.87090711*	*3.57765324*	*2.84537125*
RelInt SD	*0.00384191*	*0.00007276*	*0.01579500*	*0.00104913*	*0.00082023*	*0.06128520*	*0.00390991*

	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	160689	82783.60000000	29268.50000000	46645.00000000	36415.60000000	46053.70000000	487832
Int RSD	*1.10626739*	*0.32430336*	*0.42518749*	*0.76995819*	*0.13669993*	*1.07010512*	*1.01490062*
Int SD	*1777.65000000*	*268.47000000*	*124.44600000*	*359.14700000*	*49.78010000*	*492.82300000*	*4951.01000000*
RelInt Mean	1.70820000	0.09722750	0.03102120	0.05427440	0.04264740	0.05485550	5.22767000
RelInt RSD	*0.84575577*	*3.27940140*	*3.20017279*	*2.67735802*	*2.95345086*	*2.35159647*	*0.48884876*
RelInt SD	*0.01444720*	*0.00318848*	*0.00099273*	*0.00145312*	*0.00125957*	*0.00128998*	*0.02555540*

	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	2953480	56302.70000000	81194.90000000	810301	25896400	93304.70000000	590240
Int RSD	*0.34820618*	*0.21603227*	*0.85492562*	*2.88924733*	*0.77510388*	*1.04133018*	*0.06377592*
Int SD	*10284.20000000*	*121.63200000*	*694.15600000*	*23411.60000000*	*200724*	*971.61000000*	*376.43100000*
RelInt Mean	0.11287500	0.06743440	0.00291237	---	---	---	0.72971400
RelInt RSD	*0.95979623*	*2.74569063*	*0.05177536*	---	---	---	*2.98934925*
RelInt SD	*0.00108337*	*0.00185154*	*0.00000151*	---	---	---	*0.02181370*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6027.91000000	62815.60000000	5685.61000000	3295.96000000	103241	2310.97000000	
Int RSD	*2.01819536*	*0.52760779*	*0.84234937*	*2.07878736*	*0.30377273*	*0.74274872*	
Int SD	*121.65500000*	*331.42000000*	*47.89270000*	*68.51600000*	*313.61800000*	*17.16470000*	
RelInt Mean	0.06364230	0.66623900	0.00171530	0.00167325	0.12298700	0.00003932	
RelInt RSD	*1.35966645*	*0.66807557*	*7.37789308*	*2.32234275*	*2.70618846*	*89.16248140*	
RelInt SD	*0.00086532*	*0.00445098*	*0.00012655*	*0.00003886*	*0.00332826*	*0.00003506*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L5,S17852			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:36:29	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	30942.10000000	7679.19000000	75626.50000000	330792	1226120	58161.70000000	308125
Int RSD	*1.92087156*	*1.50924772*	*0.32685897*	*0.25662017*	*0.80121929*	*1.54632172*	*0.44530304*
Int SD	*594.35800000*	*115.89800000*	*247.19200000*	*848.87900000*	*9823.91000000*	*899.36700000*	*1372.09000000*
RelInt Mean	-0.00000688	0.08107020	0.09196300	0.40988400	1.53454000	0.63573500	0.38085800
RelInt RSD	*34.08950824*	*1.11681974*	*0.53075585*	*0.41449288*	*0.93065023*	*0.85614289*	*0.14354825*
RelInt SD	*0.00000234*	*0.00090541*	*0.00048810*	*0.00169894*	*0.01428120*	*0.00544280*	*0.00054671*

	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	552902	4090690	2316580	111469	23936.30000000	6379470	546044
Int RSD	*0.38154863*	*0.85859843*	*0.81228362*	*1.09157703*	*1.30112423*	*0.78565774*	*0.39610361*
Int SD	*2109.59000000*	*35122.60000000*	*18817.20000000*	*1216.77000000*	*311.44100000*	*50120.80000000*	*2162.90000000*
RelInt Mean	0.68795700	0.16759400	2.90409000	1.21981000	0.25984800	8.01024000	0.68204200
RelInt RSD	*0.06527138*	*0.47762808*	*0.90379430*	*0.59643879*	*0.71572612*	*0.86413641*	*0.11496462*
RelInt SD	*0.00044904*	*0.00080048*	*0.02624700*	*0.00727542*	*0.00185980*	*0.06921940*	*0.00078411*

	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	1019500	376378	119593	212952	161213	207929	2358470
Int RSD	*1.23515449*	*0.32858456*	*0.35806778*	*0.14971308*	*0.41100656*	*0.39777184*	*0.30293241*
Int SD	*12592.40000000*	*1236.72000000*	*428.22400000*	*318.81700000*	*662.59600000*	*827.08300000*	*7144.57000000*
RelInt Mean	11.10470000	0.46606700	0.14399200	0.26286000	0.19943200	0.25817000	25.79690000
RelInt RSD	*1.94889551*	*0.13973892*	*0.27587366*	*0.32746709*	*0.07915079*	*0.06790409*	*0.90057720*
RelInt SD	*0.21641900*	*0.00065128*	*0.00039724*	*0.00086078*	*0.00015785*	*0.00017531*	*0.23232100*

	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	13711900	248761	353822	801326	24214500	91408.40000000	2680840
Int RSD	*0.67274047*	*0.21901785*	*0.49910124*	*0.42978388*	*0.38857461*	*0.64564526*	*0.70875919*
Int SD	*92245.50000000*	*544.83100000*	*1765.93000000*	*3443.97000000*	*94091.40000000*	*590.17400000*	*19000.70000000*
RelInt Mean	0.56505300	0.30920400	0.01433680	---	---	---	3.36400000
RelInt RSD	*0.50458807*	*0.22084417*	*0.47526435*	---	---	---	*0.75882580*
RelInt SD	*0.00285119*	*0.00068286*	*0.00006814*	---	---	---	*0.02552690*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	36444.10000000	394656	10202.80000000	5824.67000000	489413	3221.44000000	
Int RSD	*1.97498909*	*1.23146234*	*0.41444701*	*0.76112123*	*0.34952688*	*0.99023108*	
Int SD	*719.76700000*	*4860.04000000*	*42.28520000*	*44.33280000*	*1710.63000000*	*31.89970000*	
RelInt Mean	0.39750300	4.27922000	0.00672689	0.00420073	0.60769900	0.00055511	
RelInt RSD	*1.35253570*	*1.96736321*	*0.47334206*	*2.07065201*	*0.20311042*	*9.51004570*	
RelInt SD	*0.00537637*	*0.08418780*	*0.00003184*	*0.00008698*	*0.00123430*	*0.00005279*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L6,S17851			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:39:46	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	33830.10000000	16686.10000000	145458	654818	2437580	114408	591608
Int RSD	*0.19256875*	*0.86222664*	*0.59720950*	*0.62024868*	*0.16359258*	*0.48318474*	*0.61481589*
Int SD	*65.14620000*	*143.87200000*	*868.68900000*	*4061.50000000*	*3987.70000000*	*552.80200000*	*3637.30000000*
RelInt Mean	-0.00004107	0.17467100	0.18176600	0.82903800	3.10338000	1.22656000	0.74738600
RelInt RSD	*16.98161221*	*1.37932456*	*0.39136417*	*0.37479705*	*0.18540011*	*1.32264219*	*0.76040359*
RelInt SD	*0.00000697*	*0.00240928*	*0.00071137*	*0.00310721*	*0.00575367*	*0.01622300*	*0.00568315*

	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	1068010	8037870	4505840	243481	49955.50000000	12472400	1059300
Int RSD	*0.24361008*	*0.47473025*	*0.15181209*	*0.70794846*	*0.71391138*	*0.41740804*	*0.31746908*
Int SD	*2601.78000000*	*38158.20000000*	*6840.41000000*	*1723.72000000*	*356.63800000*	*52060.80000000*	*3362.95000000*
RelInt Mean	1.35418000	0.33975500	5.74193000	2.60771000	0.53325000	15.90870000	1.34666000
RelInt RSD	*0.06925084*	*1.24493532*	*0.12661579*	*1.39240176*	*0.63478481*	*0.68044529*	*0.07416490*
RelInt SD	*0.00093778*	*0.00422973*	*0.00727019*	*0.03630980*	*0.00338499*	*0.10825000*	*0.00099875*

	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	2138840	720556	230614	422768	314276	406374	4775400
Int RSD	*1.38625610*	*0.42106512*	*0.32915565*	*0.68691102*	*0.44846568*	*0.61082402*	*0.54610085*
Int SD	*29649.80000000*	*3034.01000000*	*759.07900000*	*2904.04000000*	*1409.42000000*	*2482.23000000*	*26078.50000000*
RelInt Mean	22.83400000	0.91123900	0.28668700	0.53335000	0.39725900	0.51477000	51.21290000
RelInt RSD	*1.30881142*	*0.41648239*	*0.13009659*	*0.42951533*	*0.22124634*	*0.40200089*	*0.38293282*
RelInt SD	*0.29885400*	*0.00379515*	*0.00037297*	*0.00229082*	*0.00087892*	*0.00206938*	*0.19611100*

	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	26952300	470539	694844	789741	23548900	93260.20000000	5213380
Int RSD	*1.19280729*	*0.45763263*	*0.45339386*	*0.27130160*	*0.78855488*	*0.89619366*	*0.36082350*
Int SD	*321489*	*2153.34000000*	*3150.38000000*	*2142.58000000*	*185696*	*835.79200000*	*18811.10000000*
RelInt Mean	1.14364000	0.59587900	0.02918590	---	---	---	6.64559000
RelInt RSD	*0.48675370*	*0.27483600*	*0.32890334*	---	---	---	*0.30383156*
RelInt SD	*0.00556671*	*0.00163769*	*0.00009599*	---	---	---	*0.02019140*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	75081.40000000	914631	15273.60000000	9372.61000000	962413	4200.88000000	
Int RSD	*0.71182610*	*1.59746390*	*0.18818812*	*1.49965698*	*0.35925533*	*1.22093704*	
Int SD	*534.44900000*	*14610.90000000*	*28.74310000*	*140.55700000*	*3457.52000000*	*51.29010000*	
RelInt Mean	0.80355800	9.71928000	0.01278460	0.00814835	1.21884000	0.00117935	
RelInt RSD	*0.66020250*	*1.46213506*	*0.31596374*	*2.36317782*	*0.09412802*	*6.32969856*	
RelInt SD	*0.00530511*	*0.14210900*	*0.00004039*	*0.00019256*	*0.00114727*	*0.00007465*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L7,S17857			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:43:03	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1386890	587.64900000	1733.09000000	4666.88000000	4216.00000000	84.35560000	3869.01000000
Int RSD	*0.23598555*	*22.78349831*	*2.37650670*	*2.21323454*	*0.34004507*	*25.95950951*	*0.63235298*
Int SD	*3272.86000000*	*133.88700000*	*41.18700000*	*103.28900000*	*14.33630000*	*21.89830000*	*24.46580000*
RelInt Mean	0.04978860	0.00495231	0.00000087	0.00100836	0.00027697	0.00058406	0.00005091
RelInt RSD	*0.47832837*	*23.12860059*	*3371.34690144*	*13.73636400*	*5.72597329*	*23.03915022*	*51.84304867*
RelInt SD	*0.00023815*	*0.00114540*	*0.00002949*	*0.00013851*	*0.00001586*	*0.00013456*	*0.00002639*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3844.25000000	31171.70000000	6357.45000000	-281.15700000	-101.80700000	5124.65000000	5190.59000000
Int RSD	*0.43388177*	*5.96143297*	*7.17397699*	*20.89995981*	*36.29082480*	*1.57068483*	*17.10774690*
Int SD	*16.67950000*	*1858.28000000*	*456.08200000*	*58.76170000*	*36.94660000*	*80.49210000*	*887.99300000*
RelInt Mean	0.00010913	0.00022363	0.00209085	-0.00149296	-0.00254449	0.00062518	0.00352598
RelInt RSD	*28.73000018*	*27.64484669*	*28.78657006*	*5.84814730*	*31.84139061*	*17.02800145*	*32.13007448*
RelInt SD	*0.00003135*	*0.00006182*	*0.00060188*	*0.00008731*	*0.00081020*	*0.00010646*	*0.00113290*

	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	3373.59000000	4293.94000000	3955.74000000	3518.11000000	2115.97000000	1899.34000000	-53.07010000
Int RSD	*2.57861803*	*0.59501530*	*1.42075313*	*9.41101898*	*1.44749689*	*3.62494340*	*146.18758962*
Int SD	*86.99200000*	*25.54960000*	*56.20130000*	*331.09000000*	*30.62860000*	*68.85000000*	*77.58190000*
RelInt Mean	0.02666370	0.00023350	-0.00004437	0.00105887	0.00027358	0.00028076	-0.00139246
RelInt RSD	*4.56812070*	*9.74582332*	*124.15267416*	*41.77415547*	*22.38263203*	*38.15336285*	*52.02483375*
RelInt SD	*0.00121803*	*0.00002276*	*0.00005509*	*0.00044233*	*0.00006124*	*0.00010712*	*0.00072443*

	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	57300.70000000	2451.06000000	6389.14000000	819740	27299300	93684.00000000	3378.95000000
Int RSD	*21.26309103*	*19.52037078*	*0.95713821*	*0.50133457*	*0.55165151*	*0.47464348*	*2.06267923*
Int SD	*12183.90000000*	*478.45600000*	*61.15290000*	*4109.64000000*	*150597*	*444.66500000*	*69.69690000*
RelInt Mean	0.00099741	0.00091097	0.00003481	---	---	---	0.00106368
RelInt RSD	*43.67481778*	*66.43178857*	*11.11720386*	---	---	---	*11.85638538*
RelInt SD	*0.00043562*	*0.00060517*	*0.00000387*	---	---	---	*0.00012611*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-129.77300000	499.57700000	4353.65000000	2259.39000000	3996.19000000	1983.37000000	
Int RSD	*41.93484007*	*2.74702398*	*0.16321730*	*4.44411987*	*0.30001076*	*0.23933810*	
Int SD	*54.42010000*	*13.72350000*	*7.10591000*	*100.41000000*	*11.98900000*	*4.74696000*	
RelInt Mean	-0.00254965	0.00108559	0.00033697	0.00064472	0.00022574	-0.00012558	
RelInt RSD	*32.91887122*	*57.46994722*	*6.18809501*	*13.85182118*	*5.14764774*	*13.02438364*	
RelInt SD	*0.00083932*	*0.00062389*	*0.00002085*	*0.00008931*	*0.00001162*	*0.00001636*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L8,S17858			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:46:19	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28346.60000000	562.70200000	1727.39000000	4291.05000000	4155.10000000	38.02040000	3915.84000000
Int RSD	*0.51146875*	*12.55231010*	*0.84961705*	*0.29104532*	*0.53772232*	*208.33499911*	*0.23416125*
Int SD	*144.98400000*	*70.63210000*	*14.67620000*	*12.48890000*	*22.34290000*	*79.20980000*	*9.16938000*
RelInt Mean	0.00003244	0.00508552	-0.00006029	0.00043893	0.00008966	0.00010881	0.00003066
RelInt RSD	*12.73117922*	*27.30635215*	*48.36990055*	*2.90559813*	*25.61930745*	*1009.41089973*	*123.09930077*
RelInt SD	*0.00000413*	*0.00138867*	*0.00002916*	*0.00001275*	*0.00002297*	*0.00109834*	*0.00003775*

	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	3883.56000000	29644.10000000	5417.04000000	-319.39800000	-24.28700000	4792.33000000	2940.15000000
Int RSD	*1.07637322*	*0.44654080*	*1.18921404*	*49.23387122*	*147.27879112*	*0.71315832*	*4.78880329*
Int SD	*41.80160000*	*132.37300000*	*64.42020000*	*157.25200000*	*35.76960000*	*34.17690000*	*140.79800000*
RelInt Mean	0.00011782	0.00015232	0.00087652	-0.00205366	-0.00225284	0.00013755	0.00068096
RelInt RSD	*29.23834905*	*2.19667934*	*8.84342100*	*64.44688994*	*13.69893113*	*56.97320208*	*25.78925109*
RelInt SD	*0.00003445*	*0.00000335*	*0.00007751*	*0.00132352*	*0.00030861*	*0.00007837*	*0.00017562*

	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	4805.28000000	4331.86000000	3991.14000000	2888.63000000	1963.24000000	1823.77000000	-80.68440000
Int RSD	*0.93699014*	*1.41369065*	*0.46363194*	*0.27799614*	*1.41055093*	*1.90823953*	*90.85969531*
Int SD	*45.02500000*	*61.23910000*	*18.50420000*	*8.03028000*	*27.69250000*	*34.80190000*	*73.30960000*
RelInt Mean	0.04005660	0.00020301	-0.00008952	0.00023965	0.00005422	0.00013315	-0.00137454
RelInt RSD	*2.20079837*	*37.22508189*	*57.00309104*	*4.28317491*	*48.60336226*	*39.89703342*	*31.34634132*
RelInt SD	*0.00088157*	*0.00007557*	*0.00005103*	*0.00001026*	*0.00002635*	*0.00005312*	*0.00043087*

	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	38209.30000000	1757.73000000	6355.14000000	839166	27139300	96546.70000000	3159.03000000
Int RSD	*4.68728817*	*0.88897043*	*1.92689697*	*0.24552472*	*2.39160922*	*0.73613081*	*1.23088733*
Int SD	*1790.98000000*	*15.62570000*	*122.45700000*	*2060.36000000*	*649066*	*710.71000000*	*38.88410000*
RelInt Mean	0.00028847	0.00002921	0.00002990	---	---	---	0.00074335
RelInt RSD	*20.81156878*	*60.98635520*	*16.00606717*	---	---	---	*5.65213473*
RelInt SD	*0.00006003*	*0.00001782*	*0.00000479*	---	---	---	*0.00004202*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21.94150000	413.74500000	513761	228925	3918.58000000	85889.70000000	
Int RSD	*180.48538158*	*19.06647814*	*0.23525141*	*0.36800437*	*0.64339123*	*0.13061403*	
Int SD	*39.60120000*	*78.88660000*	*1208.63000000*	*842.45400000*	*25.21180000*	*112.18400000*	
RelInt Mean	-0.00092173	-0.00008521	0.60990800	0.27177400	0.00008794	0.10027700	
RelInt RSD	*14.23349864*	*982.21873815*	*0.47742446*	*0.55513037*	*15.54021399*	*0.38687436*	
RelInt SD	*0.00013119*	*0.00083698*	*0.00291185*	*0.00150870*	*0.00001367*	*0.00038795*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICV,S17901	Sample Type: Control Sample		
Measure Date: 2023-01-30 13:49:49	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	320693	968.12500000	17502.70000000	72047.30000000	261510	59613.30000000	130349
Int RSD	*0.45003165*	*7.07370433*	*1.19633542*	*0.43978053*	*0.46928989*	*0.11554133*	*0.50207060*
Int SD	*1443.22000000*	*68.48230000*	*209.39100000*	*316.85000000*	*1227.24000000*	*68.87800000*	*654.44400000*
RelInt Mean	0.01174180	0.00771637	0.01911420	0.08379970	0.31792600	0.64105400	0.15573300
RelInt RSD	*0.64966956*	*1.40589422*	*0.94519781*	*0.72686537*	*0.23651164*	*0.68936470*	*0.54238536*
RelInt SD	*0.00007628*	*0.00010848*	*0.00018067*	*0.00060911*	*0.00075193*	*0.00441920*	*0.00084467*
Conc Mean	0.47094200[mg/l]	0.28035600[mg/l]	1.05211000[mg/l]	1.01205000[mg/l]	1.02226000[mg/l]	51.91210000[mg/l]	1.03535000[mg/l]
Conc RSD	*0.65070858*	*4.67059738*	*0.94156410*	*0.72814485*	*0.23477980*	*0.68889334*	*0.54370020*
Conc SD	*0.00306446[mg/l]*	*0.01309430[mg/l]*	*0.00990629[mg/l]*	*0.00736919[mg/l]*	*0.00240006[mg/l]*	*0.35761900[mg/l]*	*0.00562920[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	113652	850670	248567	59345.10000000	24561.20000000	1349800	115446
Int RSD	*0.54450428*	*0.69724100*	*0.52313461*	*0.24901972*	*0.89739101*	*0.19509779*	*0.48153249*
Int SD	*618.84000000*	*5931.22000000*	*1300.34000000*	*147.78100000*	*220.41000000*	*2633.43000000*	*555.91000000*
RelInt Mean	0.13518500	0.03307830	0.30113700	0.63952000	0.26238400	1.66349000	0.13948400
RelInt RSD	*0.27056848*	*0.74475411*	*0.48105015*	*0.64461315*	*1.50245823*	*0.70906347*	*0.71038470*
RelInt SD	*0.00036577*	*0.00024635*	*0.00144862*	*0.00412243*	*0.00394221*	*0.01179520*	*0.00099087*
Conc Mean	0.99369000[mg/l]	0.97237100[mg/l]	1.04412000[mg/l]	49.81160000[mg/l]	49.63820000[mg/l]	1.04342000[mg/l]	1.03228000[mg/l]
Conc RSD	*0.27094768*	*0.74820208*	*0.48207007*	*0.64343647*	*1.49236072*	*0.70935002*	*0.71076355*
Conc SD	*0.00269238[mg/l]*	*0.00727530[mg/l]*	*0.00503339[mg/l]*	*0.32050600[mg/l]*	*0.74078100[mg/l]*	*0.00740150[mg/l]*	*0.00733707[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	453596	80011.60000000	28641.70000000	17907.90000000	13944.90000000	214043	101734
Int RSD	*1.63579264*	*1.17264247*	*1.43497767*	*0.66931354*	*0.48989666*	*0.81852245*	*0.58385692*
Int SD	*7419.89000000*	*938.25000000*	*411.00200000*	*119.86000000*	*68.31560000*	*1751.99000000*	*593.98100000*
RelInt Mean	4.85955000	0.09316620	0.02998120	0.01845210	0.01459170	0.26239000	1.09454000
RelInt RSD	*2.26109413*	*1.02678869*	*1.17239137*	*0.29991383*	*0.63302494*	*0.70420367*	*0.63717818*
RelInt SD	*0.10987900*	*0.00095662*	*0.00035150*	*0.00005534*	*0.00009237*	*0.00184776*	*0.00697417*
Conc Mean	42.60700000[mg/l]	1.01478000[mg/l]	1.04673000[mg/l]	1.03772000[mg/l]	1.10034000[mg/l]	5.09106000[mg/l]	1.06795000[mg/l]
Conc RSD	*2.27910437*	*1.02966160*	*1.16927001*	*0.30198030*	*0.63293164*	*0.70428359*	*0.63668617*
Conc SD	*0.97105800[mg/l]*	*0.01044880[mg/l]*	*0.01223910[mg/l]*	*0.00313371[mg/l]*	*0.00696440[mg/l]*	*0.03585550[mg/l]*	*0.00679949[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	2883050	19685.90000000	146288	813510	24896900	92931.00000000	194564
Int RSD	*0.59372539*	*0.55763262*	*0.79942306*	*0.52544529*	*0.60190224*	*0.66531620*	*0.67299706*
Int SD	*17117.40000000*	*109.77500000*	*1169.46000000*	*4274.55000000*	*149855*	*618.28500000*	*1309.41000000*
RelInt Mean	0.11458500	0.02181820	0.00563229	---	---	---	0.23702300
RelInt RSD	*0.28339748*	*0.13598601*	*0.90385616*	---	---	---	*0.68474367*
RelInt SD	*0.00032473*	*0.00002967*	*0.00005091*	---	---	---	*0.00162300*
Conc Mean	1.00434000[mg/l]	1.08592000[mg/l]	0.96353800[mg/l]	808214	24849100	92890.50000000	1.06425000[mg/l]
Conc RSD	*0.28334727*	*0.13556708*	*0.90969635*	---	---	---	*0.68586234*
Conc SD	*0.00284577[mg/l]*	*0.00147215[mg/l]*	*0.00876527[mg/l]*	*4250.48000000*	*149814*	*597.47200000*	*0.00729929[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	23612.20000000	74294.10000000	249100	116307	206314	44555.90000000	
Int RSD	*1.38001965*	*0.67725566*	*0.31570895*	*0.72783753*	*0.40332261*	*0.88833353*	
Int SD	*325.85300000*	*503.16100000*	*786.43100000*	*846.52600000*	*832.11100000*	*395.80500000*	
RelInt Mean	0.25243000	0.79182000	0.30213700	0.14103800	0.24952800	0.05208740	
RelInt RSD	*1.92743335*	*0.74508348*	*0.34908667*	*0.92575760*	*0.35150765*	*1.32778561*	
RelInt SD	*0.00486542*	*0.00589972*	*0.00105472*	*0.00130567*	*0.00087711*	*0.00069161*	
Conc Mean	0.94943900[mg/l]	0.83404200[mg/l]	4.92783000[mg/l]	5.17830000[mg/l]	1.02019000[mg/l]	5.19962000[mg/l]	
Conc RSD	*1.91484656*	*0.74516271*	*0.34775347*	*0.92970473*	*0.35114341*	*1.32501606*	
Conc SD	*0.01818030[mg/l]*	*0.00621497[mg/l]*	*0.01713670[mg/l]*	*0.04814290[mg/l]*	*0.00358233[mg/l]*	*0.06889580[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992013.2	File:	met06_master011	Time:	30-JAN-2023 13:56
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001974]	0.003333	---	mg/l	!ICB

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27002300	-1.13
Yttrium	A	802542	811249	1.08
Yttrium	R	91936	93656	1.87

!=warning ICB=instrument blank

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2023-01-30 13:56:20	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28007.20000000	605.27600000	1717.78000000	4024.36000000	4119.51000000	32.63250000	3889.68000000
Int RSD	*1.36334228*	*7.61857401*	*0.65727858*	*0.54121649*	*0.32814582*	*219.11928292*	*0.74702032*
Int SD	*381.83400000*	*46.11340000*	*11.29060000*	*21.78050000*	*13.51800000*	*71.50410000*	*29.05670000*
RelInt Mean	0.00002745	0.00581543	-0.00002970	0.00020740	0.00015580	-0.00080426	0.00004574
RelInt RSD	*38.22118449*	*5.03861279*	*34.77590485*	*4.99546761*	*6.84657796*	*58.98216362*	*43.70946199*
RelInt SD	*0.00001049*	*0.00029302*	*0.00001033*	*0.00001036*	*0.00001067*	*0.00047437*	*0.00001999*
Conc Mean	<0.00015744[mg/l]	<0.05091860[mg/l]	0.00316516[mg/l]	<0.00131598[mg/l]	<0.00020289[mg/l]	<-0.03729340[mg/l]	<0.00001110[mg/l]
Conc RSD	*267.84806911*	*69.45634798*	*17.90184382*	*9.51845773*	*16.98047739*	*102.94931543*	*1200.26494124*
Conc SD	*0.00042170[mg/l]*	*0.03536620[mg/l]*	*0.00056662[mg/l]*	*0.00012526[mg/l]*	*0.00003445[mg/l]*	*0.03839330[mg/l]*	*0.00013319[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	3845.20000000	29452.70000000	5811.90000000	-246.77900000	-91.61040000	4744.10000000	2585.41000000
Int RSD	*0.28088526*	*0.69971853*	*0.36868322*	*29.32016095*	*95.28492398*	*0.49430872*	*1.45269029*
Int SD	*10.80060000*	*206.08600000*	*21.42750000*	*72.35600000*	*87.29090000*	*23.45050000*	*37.55800000*
RelInt Mean	0.00010202	0.00015306	0.00142772	-0.00119158	-0.00221506	0.00015862	0.00027449
RelInt RSD	*33.40175062*	*5.93174053*	*0.67269633*	*66.71176086*	*39.71838235*	*8.07894289*	*13.86238278*
RelInt SD	*0.00003408*	*0.00000908*	*0.00000960*	*0.00079492*	*0.00087979*	*0.00001281*	*0.00003805*
Conc Mean	<-0.00042423[mg/l]	<-0.00003609[mg/l]	0.00302804[mg/l]	<-0.00629974[mg/l]	<-0.07933200[mg/l]	<0.00002483[mg/l]	<0.00128027[mg/l]
Conc RSD	*59.11406340*	*743.05926950*	*1.10202639*	*981.12779258*	*208.37619120*	*32.37059349*	*22.01129449*
Conc SD	*0.00025078[mg/l]*	*0.00026815[mg/l]*	*0.00003337[mg/l]*	*0.06180850[mg/l]*	*0.16530900[mg/l]*	*0.00000804[mg/l]*	*0.00028180[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	3690.15000000	4341.16000000	3982.75000000	2703.31000000	1910.12000000	1758.49000000	-109.37500000
Int RSD	*1.52704091*	*1.04226981*	*0.77905467*	*1.73646752*	*1.59789437*	*4.16459007*	*77.69792000*
Int SD	*56.35010000*	*45.24660000*	*31.02780000*	*46.94210000*	*30.52170000*	*73.23390000*	*84.98210000*
RelInt Mean	0.03004070	0.00028645	-0.00003208	0.00005265	-0.00000019	0.00008659	-0.00171873
RelInt RSD	*1.89778867*	*14.60694162*	*98.53201974*	*44.64731079*	*28774.79466119*	*82.25614044*	*45.64044382*
RelInt SD	*0.00057011*	*0.00004184*	*0.00003161*	*0.00002350*	*0.00005605*	*0.00007123*	*0.00078444*
Conc Mean	<-0.07383910[mg/l]	<0.00043945[mg/l]	<0.00197406[mg/l]	0.00599256[mg/l]	<-0.00001469[mg/l]	<0.00110707[mg/l]	<-0.00055200[mg/l]
Conc RSD	*6.82325489*	*103.98248716*	*55.98664681*	*22.14295727*	*28774.06398911*	*124.85028047*	*138.50988051*
Conc SD	*0.00503823[mg/l]*	*0.00045695[mg/l]*	*0.00110521[mg/l]*	*0.00132693[mg/l]*	*0.00422691[mg/l]*	*0.00138218[mg/l]*	*0.00076457[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	31294.80000000	1685.54000000	6382.93000000	811249	27002300	93655.90000000	3030.65000000
Int RSD	*0.48800120*	*1.26631821*	*0.24368433*	*0.04398465*	*1.04325187*	*0.61188137*	*0.62988138*
Int SD	*152.71900000*	*21.34430000*	*15.55420000*	*356.82500000*	*281702*	*573.06300000*	*19.08950000*
RelInt Mean	0.00004066	-0.00002747	0.00003513	---	---	---	0.00062615
RelInt RSD	*3.97805938*	*41.00240645*	*5.48910831*	---	---	---	*1.40128947*
RelInt SD	*0.00000162*	*0.00001126*	*0.00000193*	---	---	---	*0.00000877*
Conc Mean	<0.00031489[mg/l]	<0.00120148[mg/l]	<0.00035383[mg/l]	806267	26955200	93636.30000000	0.00107126[mg/l]
Conc RSD	*4.50293438*	*46.75425309*	*93.80182574*	---	---	---	*3.67380468*
Conc SD	*0.00001418[mg/l]*	*0.00056174[mg/l]*	*0.00033190[mg/l]*	*345.07500000*	*281870*	*587.78200000*	*0.00003936[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-99.73360000	492.43400000	4499.75000000	2335.16000000	3876.78000000	1984.43000000	
Int RSD	*68.90736923*	*3.03559462*	*0.41990777*	*2.10764145*	*0.24443997*	*0.80781383*	
Int SD	*68.72380000*	*14.94830000*	*18.89480000*	*49.21680000*	*9.47640000*	*16.03050000*	
RelInt Mean	-0.00254447	0.00059940	0.00055751	0.00071691	0.00006282	-0.00013617	
RelInt RSD	*46.69223846*	*82.78467539*	*7.55286462*	*9.59727050*	*56.41317896*	*27.18498935*	
RelInt SD	*0.00118807*	*0.00049621*	*0.00004211*	*0.00006880*	*0.00003544*	*0.00003702*	
Conc Mean	<-0.00328064[mg/l]	<0.00063136[mg/l]	0.00366249[mg/l]	<0.00310275[mg/l]	<0.00010851[mg/l]	<-0.00259890[mg/l]	
Conc RSD	*135.31749902*	*82.78457435*	*18.93665239*	*81.78390138*	*135.45105195*	*141.88733695*	
Conc SD	*0.00443928[mg/l]*	*0.00052267[mg/l]*	*0.00069355[mg/l]*	*0.00253755[mg/l]*	*0.00014698[mg/l]*	*0.00368751[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992014.2	File:	met06_master011	Time:	30-JAN-2023 13:59
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17605, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01370	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	150.5	mg/l	94	
Aluminum	R	400.0	420.4	mg/l	105	calc
Calcium	R	400.0	405.8	mg/l	101	
Magnesium	R	400.0	394.4	mg/l	99	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22593900	-17.27
Yttrium	A	802542	725928	-9.55
Yttrium	R	91936	86381	-6.04

+=high bias a=ICSA calc=check quantitation

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSA,S17605			Sample Type: Control Sample
Measure Date: 2023-01-30 13:59:35	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29749.00000000	302978	7702.61000000	7140.83000000	5758.71000000	433124	5498.16000000
Int RSD	*0.42656896*	*0.81544865*	*0.17655574*	*1.44047681*	*0.39732683*	*0.06446329*	*0.63295357*
Int SD	*126.90000000*	*2470.63000000*	*13.59940000*	*102.86200000*	*22.88090000*	*279.20600000*	*34.80080000*
RelInt Mean	0.00000860	3.48891000	-0.00006031	0.00106867	0.00031914	5.01359000	0.00018548
RelInt RSD	*60.08485556*	*1.57280641*	*96.08798591*	*11.74422413*	*10.69612519*	*0.85093715*	*31.77858410*
RelInt SD	*0.00000517*	*0.05487380*	*0.00005795*	*0.00012551*	*0.00003414*	*0.04266250*	*0.00005894*
Conc Mean	<-0.00060032[mg/l]	>420.44800000[mg/l]	<0.00149125[mg/l]	0.01172990[mg/l]	0.00075862[mg/l]	>405.80700000[mg/l]	<0.00093974[mg/l]
Conc RSD	*34.58544540*	*1.57528874*	*213.10041911*	*12.93719469*	*15.54706645*	*0.85085275*	*41.78393265*
Conc SD	*0.00020762[mg/l]*	*6.62327000[mg/l]*	*0.00317786[mg/l]*	*0.00151752[mg/l]*	*0.00011794[mg/l]*	*3.45282000[mg/l]*	*0.00039266[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	5616.58000000	33461.00000000	31179000	-249.84600000	181451	10559.30000000	11351.50000000
Int RSD	*1.49381652*	*0.42507098*	*0.67877738*	*48.95975921*	*0.53618167*	*1.80167246*	*1.09988988*
Int SD	*83.90140000*	*142.23300000*	*211636*	*122.32400000*	*972.90700000*	*190.24400000*	*124.85400000*
RelInt Mean	-0.00062327	0.00019418	43.33480000	-0.00134487	2.09719000	0.00276299	-0.00077326
RelInt RSD	*9.13699133*	*3.56065569*	*0.67666633*	*104.25691703*	*1.29912407*	*9.10462941*	*36.96982786*
RelInt SD	*0.00005695*	*0.00000691*	*0.29323200*	*0.00140212*	*0.02724510*	*0.00025156*	*0.00028587*
Conc Mean	<-0.00576185[mg/l]	<0.00117820[mg/l]	>150.53000000[mg/l]	<-0.01821880[mg/l]	>394.39300000[mg/l]	0.00165854[mg/l]	<-0.00647938[mg/l]
Conc RSD	*7.27368814*	*17.33186216*	*0.67654288*	*598.39835774*	*1.29809606*	*9.51469365*	*32.67565724*
Conc SD	*0.00041910[mg/l]*	*0.00020420[mg/l]*	*1.01840000[mg/l]*	*0.10902100[mg/l]*	*5.11960000[mg/l]*	*0.00015781[mg/l]*	*0.00211718[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	3184.99000000	5903.14000000	12091.10000000	13677.20000000	8981.64000000	7776.01000000	449.02500000
Int RSD	*3.50936738*	*0.22061818*	*0.48143097*	*0.05537902*	*0.34442040*	*0.56247356*	*9.30101887*
Int SD	*111.77300000*	*13.02340000*	*58.21030000*	*7.57430000*	*30.93460000*	*43.73800000*	*41.76390000*
RelInt Mean	0.02931080	0.00023259	0.00211839	0.00009621	-0.00054852	0.00004770	0.00473731
RelInt RSD	*3.38015680*	*10.39980910*	*1.52462011*	*157.55403086*	*20.59680377*	*63.68774936*	*26.07809073*
RelInt SD	*0.00099075*	*0.00002419*	*0.00003230*	*0.00015158*	*0.00011298*	*0.00003038*	*0.00123540*
Conc Mean	<-0.08028890[mg/l]	<-0.00014876[mg/l]	0.01370200[mg/l]	0.00848044[mg/l]	<-0.04136340[mg/l]	<0.00035227[mg/l]	0.00574055[mg/l]
Conc RSD	*10.90519362*	*177.57678424*	*4.85207999*	*100.82200924*	*20.59680781*	*167.33207292*	*20.97551628*
Conc SD	*0.00875566[mg/l]*	*0.00026416[mg/l]*	*0.00066483[mg/l]*	*0.00855015[mg/l]*	*0.00851954[mg/l]*	*0.00058945[mg/l]*	*0.00120411[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	38633.40000000	8000.57000000	9129.40000000	725928	22593900	86381.30000000	13511.70000000
Int RSD	*0.29385454*	*0.61570113*	*0.60275155*	*0.19501245*	*0.56756470*	*0.84781197*	*0.69823412*
Int SD	*113.52600000*	*49.25960000*	*55.02760000*	*1415.65000000*	*128235*	*732.35100000*	*94.34330000*
RelInt Mean	0.00018441	-0.00010224	0.00001750	---	---	---	0.00095060
RelInt RSD	*1.05633192*	*35.94323383*	*32.57662578*	---	---	---	*18.20029455*
RelInt SD	*0.00000195*	*0.00003675*	*0.00000570*	---	---	---	*0.00017301*
Conc Mean	0.00157485[mg/l]	<-0.00251205[mg/l]	<-0.00267797[mg/l]	719253	22535700	86368.40000000	0.00253384[mg/l]
Conc RSD	*1.08404610*	*73.16056607*	*36.64383843*	---	---	---	*30.72356581*
Conc SD	*0.00001707[mg/l]*	*0.00183783[mg/l]*	*0.00098131[mg/l]*	*1399.59000000*	*128248*	*697.64300000*	*0.00077849[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-15.95630000	406.98700000	7331.19000000	6304.63000000	5744.08000000	6912.70000000	
Int RSD	*155.85693425*	*31.53663385*	*1.03223351*	*1.20327442*	*0.46784864*	*0.84960580*	
Int SD	*24.86900000*	*128.35000000*	*75.67500000*	*75.86200000*	*26.87360000*	*58.73070000*	
RelInt Mean	-0.00168838	0.00087467	0.00100512	0.00046103	-0.00035112	-0.00034531	
RelInt RSD	*98.79944088*	*156.85501112*	*18.00272604*	*11.73884940*	*15.82548466*	*20.63739643*	
RelInt SD	*0.00166811*	*0.00137197*	*0.00018095*	*0.00005412*	*0.00005557*	*0.00007126*	
Conc Mean	<-0.00008183[mg/l]	<0.00092131[mg/l]	0.01118000[mg/l]	<-0.00633439[mg/l]	<-0.00158436[mg/l]	<-0.02343240[mg/l]	
Conc RSD	*7616.65831633*	*156.85440236*	*26.40867621*	*31.51021645*	*13.71096216*	*30.29497619*	
Conc SD	*0.00623294[mg/l]*	*0.00144512[mg/l]*	*0.00295249[mg/l]*	*0.00199598[mg/l]*	*0.00021723[mg/l]*	*0.00709884[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992015	File:	met06_master011	Time:	30-JAN-2023 14:02
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17891, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.057	mg/l	6	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22754500	-16.68
Yttrium	A	802542	721557	-10.09
Yttrium	R	91936	86326	-6.10

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSAB,S17891			Sample Type: Control Sample
Measure Date: 2023-01-30 14:02:51	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	613972	299620	7671.01000000	7317.61000000	123228	428492	60309.40000000
Int RSD	*0.77940851*	*0.59744009*	*0.32262636*	*0.61693640*	*0.40634434*	*0.17537574*	*0.23870740*
Int SD	*4785.35000000*	*1790.05000000*	*24.74870000*	*45.14500000*	*500.73000000*	*751.47100000*	*143.96300000*
RelInt Mean	0.02569040	3.45016000	-0.00011943	0.00123837	0.16450300	4.96201000	0.07655040
RelInt RSD	*1.25307897*	*1.01461961*	*27.59289961*	*4.09675622*	*0.08742698*	*0.60374929*	*0.67197689*
RelInt SD	*0.00032192*	*0.03500600*	*0.00003295*	*0.00005073*	*0.00014382*	*0.02995810*	*0.00051440*
Conc Mean	1.03152000[mg/l]	>415.77100000[mg/l]	<-0.00220975[mg/l]	0.01378180[mg/l]	0.53078500[mg/l]	>401.63200000[mg/l]	0.50962300[mg/l]
Conc RSD	*1.25392624*	*1.01616996*	*81.72870234*	*4.45148674*	*0.08773326*	*0.60375916*	*0.67227539*
Conc SD	*0.01293450[mg/l]*	*4.22494000[mg/l]*	*0.00180600[mg/l]*	*0.00061350[mg/l]*	*0.00046567[mg/l]*	*2.42489000[mg/l]*	*0.00342607[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	56224.40000000	447203	30767500	-266.17400000	178992	614836	11388.60000000
Int RSD	*0.10321551*	*0.86663775*	*0.32101796*	*30.95678015*	*0.16082004*	*0.69750633*	*0.54950301*
Int SD	*58.03230000*	*3875.63000000*	*98769.20000000*	*82.39890000*	*287.85500000*	*4288.52000000*	*62.58070000*
RelInt Mean	0.07001420	0.01836480	43.02470000	-0.00154998	2.06935000	0.84791600	-0.00083922
RelInt RSD	*0.45850270*	*1.20906299*	*0.63443557*	*28.19733158*	*0.43705511*	*0.33116960*	*9.46159529*
RelInt SD	*0.00032102*	*0.00022204*	*0.27296400*	*0.00043705*	*0.00904420*	*0.00280804*	*0.00007940*
Conc Mean	0.51407700[mg/l]	0.53782400[mg/l]	>149.45300000[mg/l]	<-0.03416720[mg/l]	>389.16200000[mg/l]	0.53181900[mg/l]	<-0.00696787[mg/l]
Conc RSD	*0.45963153*	*1.21916463*	*0.63445364*	*99.46059379*	*0.43667933*	*0.33122923*	*8.43966664*
Conc SD	*0.00236286[mg/l]*	*0.00655696[mg/l]*	*0.94821000[mg/l]*	*0.03398290[mg/l]*	*1.69939000[mg/l]*	*0.00176154[mg/l]*	*0.00058807[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	3178.86000000	71083.90000000	33579.50000000	13781.60000000	8995.80000000	7775.02000000	433.57900000
Int RSD	*1.24304625*	*0.72616865*	*0.20994148*	*0.76991061*	*0.38466618*	*0.48465599*	*16.70798171*
Int SD	*39.51470000*	*516.18900000*	*70.49730000*	*106.10600000*	*34.60380000*	*37.68210000*	*72.44230000*
RelInt Mean	0.02903790	0.09115950	0.03207590	0.00023971	-0.00055645	-0.00002518	0.00418630
RelInt RSD	*1.76748319*	*0.32910119*	*0.60032610*	*64.76050627*	*8.70127326*	*226.50165030*	*15.32288656*
RelInt SD	*0.00051324*	*0.00030001*	*0.00019256*	*0.00015524*	*0.00004842*	*0.00005703*	*0.00064146*
Conc Mean	<-0.08270100[mg/l]	0.99286700[mg/l]	1.05725000[mg/l]	0.01352340[mg/l]	<-0.04196080[mg/l]	<-0.00106183[mg/l]	0.00520349[mg/l]
Conc RSD	*5.48466161*	*0.33000392*	*0.57426720*	*64.71767455*	*8.70126404*	*104.21630581*	*12.01532049*
Conc SD	*0.00453587[mg/l]*	*0.00327650[mg/l]*	*0.00607144[mg/l]*	*0.00875203[mg/l]*	*0.00365112[mg/l]*	*0.00110660[mg/l]*	*0.00062522[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	38738.10000000	8106.78000000	75268.60000000	721557	22754500	86326.20000000	174110
Int RSD	*0.57496108*	*0.27755903*	*0.23907845*	*0.40381980*	*0.58532598*	*0.46462719*	*0.53324507*
Int SD	*222.72900000*	*22.50110000*	*179.95100000*	*2913.79000000*	*133188*	*401.09500000*	*928.43300000*
RelInt Mean	0.00018222	-0.00002093	0.00292358	---	---	---	0.22538900
RelInt RSD	*6.39543180*	*256.67107759*	*0.80395611*	---	---	---	*0.35001264*
RelInt SD	*0.00001165*	*0.00005373*	*0.00002350*	---	---	---	*0.00078889*
Conc Mean	0.00155564[mg/l]	<0.00154636[mg/l]	0.49762300[mg/l]	714878	22696300	86347.20000000	1.01215000[mg/l]
Conc RSD	*6.56597928*	*173.47254197*	*0.81320598*	---	---	---	*0.35111298*
Conc SD	*0.00010214[mg/l]*	*0.00268251[mg/l]*	*0.00404670[mg/l]*	*2922.93000000*	*133133*	*405.39700000*	*0.00355379[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9981.80000000	386.12600000	7493.83000000	6519.08000000	192474	6967.64000000	
Int RSD	*0.99980865*	*23.15412586*	*1.22878021*	*0.56937329*	*0.34144508*	*0.92968781*	
Int SD	*99.79890000*	*89.40410000*	*92.08270000*	*37.11790000*	*657.19300000*	*64.77730000*	
RelInt Mean	0.11492100	0.00076587	0.00122113	0.00081962	0.26020400	-0.00027803	
RelInt RSD	*0.65086973*	*68.80250592*	*15.42129012*	*11.71460572*	*0.07614679*	*35.48453230*	
RelInt SD	*0.00074799*	*0.00052694*	*0.00018831*	*0.00009601*	*0.00019814*	*0.00009866*	
Conc Mean	0.43563300[mg/l]	<0.00080671[mg/l]	0.01473480[mg/l]	<0.00689075[mg/l]	1.06784000[mg/l]	<-0.01673030[mg/l]	
Conc RSD	*0.64147574*	*68.80272218*	*20.95467872*	*51.38961651*	*0.07564176*	*58.74240151*	
Conc SD	*0.00279448[mg/l]*	*0.00055503[mg/l]*	*0.00308763[mg/l]*	*0.00354113[mg/l]*	*0.00080773[mg/l]*	*0.00982778[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992099	File:	met06_master011	Time:	30-JAN-2023 19:00
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0295	1.000	1.029	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	24867900	-8.94
Yttrium	A	802542	811520	1.12
Yttrium	R	91936	90384	-1.69

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S17901	Sample Type: Control Sample		
Measure Date: 2023-01-30 19:00:30	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	317387	951.56600000	17048.20000000	70203.20000000	259838	57681.40000000	129149
Int RSD	*1.03165536*	*4.93542224*	*0.25641769*	*0.14505891*	*0.38994296*	*1.21592056*	*0.33423565*
Int SD	*3274.34000000*	*46.96380000*	*43.71460000*	*101.83600000*	*1013.22000000*	*701.36000000*	*431.66200000*
RelInt Mean	0.01162540	0.00796798	0.01861430	0.08179300	0.31672100	0.63759100	0.15476300
RelInt RSD	*2.11385415*	*2.49209963*	*0.53956367*	*0.44977076*	*0.11817499*	*0.29821625*	*0.15598367*
RelInt SD	*0.00024574*	*0.00019857*	*0.00010044*	*0.00036788*	*0.00037428*	*0.00190140*	*0.00024141*
Conc Mean	0.46626600[mg/l]	0.31072500[mg/l]	1.02470000[mg/l]	0.98778800[mg/l]	1.01839000[mg/l]	51.63180000[mg/l]	1.02890000[mg/l]
Conc RSD	*2.11797987*	*7.71292944*	*0.53726066*	*0.45027880*	*0.11741867*	*0.29806631*	*0.15380309*
Conc SD	*0.00987542[mg/l]*	*0.02396600[mg/l]*	*0.00550531[mg/l]*	*0.00444780[mg/l]*	*0.00119578[mg/l]*	*0.15389700[mg/l]*	*0.00158248[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	112565	837945	251843	57216.20000000	23944.20000000	1340140	114507
Int RSD	*0.43785457*	*1.43751678*	*0.70850887*	*2.35251555*	*1.83976078*	*0.55364216*	*0.14550028*
Int SD	*492.87100000*	*12045.60000000*	*1784.33000000*	*1346.02000000*	*440.51600000*	*7419.58000000*	*166.60800000*
RelInt Mean	0.13420300	0.03260590	0.30600700	0.63441400	0.26336700	1.65556000	0.13873600
RelInt RSD	*0.02646036*	*2.18796905*	*0.60786518*	*1.56029501*	*1.03944686*	*0.20643649*	*0.41373832*
RelInt SD	*0.00003551*	*0.00071341*	*0.00186011*	*0.00989873*	*0.00273756*	*0.00341768*	*0.00057400*
Conc Mean	0.98646000[mg/l]	0.95842100[mg/l]	1.06105000[mg/l]	49.41470000[mg/l]	49.82280000[mg/l]	1.03845000[mg/l]	1.02674000[mg/l]
Conc RSD	*0.02651907*	*2.19841802*	*0.60938504*	*1.55764580*	*1.03246706*	*0.20635755*	*0.41399965*
Conc SD	*0.00026160[mg/l]*	*0.02107010[mg/l]*	*0.00646588[mg/l]*	*0.76970600[mg/l]*	*0.51440400[mg/l]*	*0.00214292[mg/l]*	*0.00425070[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	439445	78966.30000000	28099.50000000	17492.30000000	13175.50000000	212114	98856.30000000
Int RSD	*0.19048891*	*0.16860610*	*0.59178277*	*0.34097117*	*0.34498349*	*0.69095392*	*0.77341960*
Int SD	*837.09400000*	*133.14200000*	*166.28800000*	*59.64370000*	*45.45330000*	*1465.61000000*	*764.57400000*
RelInt Mean	4.83804000	0.09218760	0.02947500	0.01808070	0.01371340	0.26064900	1.09338000
RelInt RSD	*0.92422138*	*0.38148406*	*0.96476675*	*0.59496037*	*0.83591961*	*0.41854371*	*0.26981379*
RelInt SD	*0.04471420*	*0.00035168*	*0.00028436*	*0.00010757*	*0.00011463*	*0.00109093*	*0.00295009*
Conc Mean	42.41690000[mg/l]	1.00409000[mg/l]	1.02910000[mg/l]	1.01682000[mg/l]	1.03411000[mg/l]	5.05728000[mg/l]	1.06682000[mg/l]
Conc RSD	*0.93162631*	*0.38240297*	*0.96135944*	*0.59653134*	*0.83598457*	*0.41839685*	*0.26945502*
Conc SD	*0.39516700[mg/l]*	*0.00383967[mg/l]*	*0.00989335[mg/l]*	*0.00606565[mg/l]*	*0.00864500[mg/l]*	*0.02115950[mg/l]*	*0.00287460[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	2869580	19374.00000000	145526	811520	24867900	90384.20000000	191183
Int RSD	*0.36267677*	*0.45641478*	*1.21342578*	*0.47618173*	*1.31917854*	*1.06289595*	*0.33246889*
Int SD	*10407.30000000*	*88.42580000*	*1765.85000000*	*3864.31000000*	*328052*	*960.69000000*	*635.62400000*
RelInt Mean	0.11419000	0.02150830	0.00561077	---	---	---	0.23353900
RelInt RSD	*1.58597075*	*0.87131015*	*2.31647350*	---	---	---	*0.18459615*
RelInt SD	*0.00181102*	*0.00018740*	*0.00012997*	---	---	---	*0.00043110*
Conc Mean	1.00088000[mg/l]	1.07048000[mg/l]	0.95983500[mg/l]	806275	24819400	90380.70000000	1.04858000[mg/l]
Conc RSD	*1.58591440*	*0.86872805*	*2.33105690*	---	---	---	*0.18492437*
Conc SD	*0.01587310[mg/l]*	*0.00929956[mg/l]*	*0.02237430[mg/l]*	*3884.42000000*	*327730*	*945.41400000*	*0.00193908[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22545.10000000	71933.00000000	244991	113633	201701	43198.50000000	
Int RSD	*1.48218903*	*1.61619841*	*0.78013478*	*0.55179129*	*0.92649020*	*0.60576872*	
Int SD	*334.16100000*	*1162.58000000*	*1911.26000000*	*627.01700000*	*1868.74000000*	*261.68300000*	
RelInt Mean	0.24848900	0.78744000	0.29796700	0.13801800	0.24458600	0.05051190	
RelInt RSD	*0.40006358*	*1.10404221*	*0.30355845*	*0.52666102*	*0.43640683*	*1.10950687*	
RelInt SD	*0.00099411*	*0.00869367*	*0.00090450*	*0.00072689*	*0.00106739*	*0.00056043*	
Conc Mean	0.93471500[mg/l]	0.82942900[mg/l]	4.85954000[mg/l]	5.06694000[mg/l]	1.00001000[mg/l]	5.04268000[mg/l]	
Conc RSD	*0.39733395*	*1.10401011*	*0.30712989*	*0.52923066*	*0.44002060*	*1.10723861*	
Conc SD	*0.00371394[mg/l]*	*0.00915698[mg/l]*	*0.01492510[mg/l]*	*0.02681580[mg/l]*	*0.00440025[mg/l]*	*0.05583450[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992100	File:	met06_master011	Time:	30-JAN-2023 19:03
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	26727500	-2.13
Yttrium	A	802542	812465	1.24
Yttrium	R	91936	92438	0.55

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-01-30 19:03:44	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28316.20000000	597.54100000	1654.71000000	3991.34000000	4067.40000000	50.82970000	3766.49000000
Int RSD	*0.58661826*	*18.43605711*	*1.35065359*	*1.51469431*	*0.84885922*	*171.72007704*	*0.37890981*
Int SD	*166.10800000*	*110.16300000*	*22.34940000*	*60.45660000*	*34.52650000*	*87.28480000*	*14.27160000*
RelInt Mean	0.00002803	0.00535768	-0.00008633	0.00025090	0.00020096	-0.00026474	0.00002563
RelInt RSD	*29.21306819*	*23.43570351*	*60.31406262*	*12.05869341*	*4.30769958*	*545.80926875*	*179.48150749*
RelInt SD	*0.00000819*	*0.00125561*	*0.00005207*	*0.00003025*	*0.00000866*	*0.00144497*	*0.00004600*
Conc Mean	<0.00018043[mg/l]	<-0.00432920[mg/l]	<0.00005993[mg/l]	<0.00184196[mg/l]	<0.00033787[mg/l]	<0.00637260[mg/l]	<-0.00012459[mg/l]
Conc RSD	*182.35421262*	*3500.60057285*	*4765.44235804*	*19.86036613*	*6.77775476*	*1835.20070301*	*245.33466036*
Conc SD	*0.00032903[mg/l]*	*0.15154800[mg/l]*	*0.00285582[mg/l]*	*0.00036582[mg/l]*	*0.00002290[mg/l]*	*0.11695000[mg/l]*	*0.00030566[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	3783.25000000	29959.70000000	6788.74000000	-236.87900000	12.70700000	4636.72000000	2846.32000000
Int RSD	*1.62239609*	*1.08711703*	*3.12875438*	*33.75841674*	*536.49878020*	*1.55501303*	*6.22361505*
Int SD	*61.37930000*	*325.69700000*	*212.40300000*	*79.96660000*	*68.17290000*	*72.10160000*	*177.14400000*
RelInt Mean	0.00006755	0.00017110	0.00273337	-0.00133068	-0.00210572	0.00011130	0.00067294
RelInt RSD	*79.55759064*	*8.98482794*	*10.95614571*	*60.58594102*	*42.69698725*	*43.11640235*	*31.28524661*
RelInt SD	*0.00005374*	*0.00001537*	*0.00029947*	*0.00080620*	*0.00089908*	*0.00004799*	*0.00021053*
Conc Mean	<-0.00067792[mg/l]	<0.00049672[mg/l]	0.00756346[mg/l]	<-0.01711570[mg/l]	<-0.05878670[mg/l]	<-0.00000485[mg/l]	0.00423122[mg/l]
Conc RSD	*58.33753736*	*91.40919276*	*13.75415484*	*366.24794779*	*287.36772093*	*620.05734673*	*36.84965565*
Conc SD	*0.00039548[mg/l]*	*0.00045404[mg/l]*	*0.00104029[mg/l]*	*0.06268590[mg/l]*	*0.16893400[mg/l]*	*0.00003010[mg/l]*	*0.00155919[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	1743.83000000	4205.58000000	3871.92000000	2723.69000000	1919.90000000	1796.17000000	-40.94210000
Int RSD	*0.37553890*	*0.90244152*	*1.60894595*	*2.54010185*	*0.59547372*	*2.27475128*	*173.83231441*
Int SD	*6.54876000*	*37.95290000*	*62.29710000*	*69.18450000*	*11.43250000*	*40.85840000*	*71.17060000*
RelInt Mean	0.00885253	0.00024761	-0.00006775	0.00017856	0.00008128	0.00015385	-0.00111347
RelInt RSD	*4.64619719*	*17.11234784*	*102.82302343*	*41.22297082*	*30.65518590*	*41.42012180*	*42.68350292*
RelInt SD	*0.00041131*	*0.00004237*	*0.00006967*	*0.00007361*	*0.00002492*	*0.00006373*	*0.00047527*
Conc Mean	<-0.26109000[mg/l]	<0.00001527[mg/l]	<0.00074069[mg/l]	0.01309430[mg/l]	0.00612953[mg/l]	0.00241222[mg/l]	<0.00003794[mg/l]
Conc RSD	*1.39222873*	*3029.91690839*	*324.45827539*	*31.68195322*	*30.65536836*	*51.26398090*	*1220.97169983*
Conc SD	*0.00363497[mg/l]*	*0.00046274[mg/l]*	*0.00240323[mg/l]*	*0.00414853[mg/l]*	*0.00187903[mg/l]*	*0.00123660[mg/l]*	*0.00046323[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	34572.80000000	1659.66000000	6398.79000000	812465	26727500	92437.80000000	2781.01000000
Int RSD	*5.28345983*	*2.50726655*	*0.93779605*	*0.21382336*	*0.12632457*	*0.43249082*	*0.67437729*
Int SD	*1826.64000000*	*41.61210000*	*60.00760000*	*1737.24000000*	*33763.40000000*	*399.78500000*	*18.75450000*
RelInt Mean	0.00015461	-0.00005330	0.00003174	---	---	---	0.00039742
RelInt RSD	*44.33121184*	*53.12363977*	*15.41883530*	---	---	---	*4.50704296*
RelInt SD	*0.00006854*	*0.00002831*	*0.00000489*	---	---	---	*0.00001791*
Conc Mean	0.00131364[mg/l]	<-0.00009780[mg/l]	<-0.00023126[mg/l]	807549	26680300	92422.90000000	<0.00004220[mg/l]
Conc RSD	*45.73330593*	*1449.12258818*	*364.16846839*	---	---	---	*191.34396193*
Conc SD	*0.00060077[mg/l]*	*0.00141731[mg/l]*	*0.00084218[mg/l]*	*1750.06000000*	*33923.60000000*	*394.89400000*	*0.00008075[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-65.27520000	451.90000000	4414.60000000	2212.96000000	3828.65000000	2014.95000000	
Int RSD	*269.12671275*	*21.53925647*	*0.65336610*	*1.51661575*	*0.94843091*	*1.00132013*	
Int SD	*175.67300000*	*97.33590000*	*28.84350000*	*33.56210000*	*36.31210000*	*20.17610000*	
RelInt Mean	-0.00211456	0.00077916	0.00048474	0.00055631	0.00011528	-0.00009750	
RelInt RSD	*86.97459519*	*138.42781365*	*6.91037857*	*2.14485886*	*30.14061660*	*19.42827957*	
RelInt SD	*0.00183913*	*0.00107857*	*0.00003350*	*0.00001193*	*0.00003475*	*0.00001894*	
Conc Mean	<-0.00167428[mg/l]	<0.00082070[mg/l]	<0.00240229[mg/l]	<-0.00282041[mg/l]	<0.00033513[mg/l]	<0.00125293[mg/l]	
Conc RSD	*410.44269776*	*138.42749639*	*21.88898926*	*15.60287334*	*44.85924697*	*150.60697725*	
Conc SD	*0.00687196[mg/l]*	*0.00113608[mg/l]*	*0.00052584[mg/l]*	*0.00044007[mg/l]*	*0.00015034[mg/l]*	*0.00188700[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992111	File:	met06_master011	Time:	30-JAN-2023 19:39
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0300	1.000	1.049	mg/l	5	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	25338300	-7.22
Yttrium	A	802542	812648	1.26
Yttrium	R	91936	91089	-0.92

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S17901 | Sample Type: Control Sample

Measure Date: 2023-01-30 19:39:38 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	326459	916.06500000	17642.70000000	71450.40000000	264801	58556.40000000	132343
Int RSD	*0.47103005*	*6.98084743*	*0.43465853*	*0.36907561*	*0.25959607*	*0.38247058*	*0.31133721*
Int SD	*1537.72000000*	*63.94910000*	*76.68550000*	*263.70600000*	*687.41300000*	*223.96100000*	*412.03300000*
RelInt Mean	0.01173790	0.00701410	0.01929190	0.08317960	0.32253600	0.64220400	0.15842800
RelInt RSD	*1.44709020*	*8.19670378*	*2.59286540*	*3.00744413*	*2.78024469*	*0.36164054*	*2.58485874*
RelInt SD	*0.00016986*	*0.00057493*	*0.00050021*	*0.00250158*	*0.00896729*	*0.00232247*	*0.00409514*
Conc Mean	0.47078800[mg/l]	<0.19559500[mg/l]	1.06184000[mg/l]	1.00455000[mg/l]	1.03709000[mg/l]	52.00510000[mg/l]	1.05329000[mg/l]
Conc RSD	*1.44997324*	*35.47713387*	*2.58067129*	*3.01090040*	*2.78263217*	*0.36150301*	*2.59130914*
Conc SD	*0.00682630[mg/l]*	*0.06939150[mg/l]*	*0.02740260[mg/l]*	*0.03024600[mg/l]*	*0.02885840[mg/l]*	*0.18800000[mg/l]*	*0.02729400[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	115581	860830	254240	57828.40000000	24372.60000000	1363160	116679
Int RSD	*0.45774911*	*0.64132059*	*0.57705318*	*0.60077747*	*0.71165571*	*0.12892470*	*0.60844796*
Int SD	*529.07100000*	*5520.68000000*	*1467.10000000*	*347.42000000*	*173.44900000*	*1757.45000000*	*709.93100000*
RelInt Mean	0.13772200	0.03288000	0.30862400	0.63619700	0.26532300	1.68276000	0.14126000
RelInt RSD	*2.86344230*	*1.63854927*	*2.98817979*	*0.50549751*	*0.26947381*	*2.72148138*	*2.41829251*
RelInt SD	*0.00394359*	*0.00053876*	*0.00922224*	*0.00321596*	*0.00071498*	*0.04579600*	*0.00341608*
Conc Mean	1.01236000[mg/l]	0.96651500[mg/l]	1.07013000[mg/l]	49.55330000[mg/l]	50.19020000[mg/l]	1.05551000[mg/l]	1.04543000[mg/l]
Conc RSD	*2.86679640*	*1.64633762*	*2.99357087*	*0.50455570*	*0.26753629*	*2.72183115*	*2.42001856*
Conc SD	*0.02902230[mg/l]*	*0.01591210[mg/l]*	*0.03203510[mg/l]*	*0.25002400[mg/l]*	*0.13427700[mg/l]*	*0.02872920[mg/l]*	*0.02529960[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	445415	80323.70000000	28667.00000000	17759.00000000	13542.80000000	217126	99742.30000000
Int RSD	*0.47182740*	*1.12172871*	*0.49093731*	*0.52700546*	*0.78931240*	*0.46447224*	*0.29416607*
Int SD	*2101.59000000*	*901.01400000*	*140.73700000*	*93.59090000*	*106.89500000*	*1008.49000000*	*293.40800000*
RelInt Mean	4.86637000	0.09367680	0.03003790	0.01830000	0.01409480	0.26659900	1.09460000
RelInt RSD	*0.55711547*	*3.23576382*	*3.07075062*	*3.15441530*	*2.89230071*	*2.79029179*	*0.21106797*
RelInt SD	*0.02711130*	*0.00303116*	*0.00092239*	*0.00057726*	*0.00040766*	*0.00743889*	*0.00231035*
Conc Mean	42.66730000[mg/l]	1.02036000[mg/l]	1.04872000[mg/l]	1.02904000[mg/l]	1.06287000[mg/l]	5.17273000[mg/l]	1.06800000[mg/l]
Conc RSD	*0.56156588*	*3.24430593*	*3.06296247*	*3.14719544*	*2.89250802*	*2.79063473*	*0.21103184*
Conc SD	*0.23960500[mg/l]*	*0.03310360[mg/l]*	*0.03212190[mg/l]*	*0.03238590[mg/l]*	*0.03074360[mg/l]*	*0.14435200[mg/l]*	*0.00225382[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	2973260	19863.20000000	151002	812648	25338300	91089.40000000	196495
Int RSD	*0.43124718*	*0.45155816*	*0.61451305*	*2.55216281*	*0.99869762*	*0.46973193*	*0.40501183*
Int SD	*12822.10000000*	*89.69390000*	*927.92700000*	*20740.10000000*	*253053*	*427.87600000*	*795.82800000*
RelInt Mean	0.11612000	0.02205050	0.00571546	---	---	---	0.23985000
RelInt RSD	*1.20054254*	*3.03336886*	*1.59164967*	---	---	---	*2.86771732*
RelInt SD	*0.00139407*	*0.00066887*	*0.00009097*	---	---	---	*0.00687822*
Conc Mean	1.01779000[mg/l]	1.09745000[mg/l]	0.97785000[mg/l]	807245	25288500	91059.30000000	1.07696000[mg/l]
Conc RSD	*1.20114169*	*3.03784227*	*1.60255663*	---	---	---	*2.87253008*
Conc SD	*0.01222510[mg/l]*	*0.03333880[mg/l]*	*0.01567060[mg/l]*	*20746.40000000*	*253023*	*389.12200000*	*0.03093600[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22743.10000000	72531.80000000	249723	115952	205263	44122.20000000	
Int RSD	*1.25599852*	*1.16537298*	*0.56251126*	*0.25979888*	*0.84359578*	*0.24053424*	
Int SD	*285.65300000*	*845.26600000*	*1404.72000000*	*301.24200000*	*1731.59000000*	*106.12900000*	
RelInt Mean	0.24820000	0.78862800	0.30347500	0.14079700	0.24868900	0.05152440	
RelInt RSD	*0.97578566*	*0.80491943*	*2.92463959*	*2.47526581*	*3.11458890*	*2.82918384*	
RelInt SD	*0.00242190*	*0.00634782*	*0.00887555*	*0.00348510*	*0.00774564*	*0.00145772*	
Conc Mean	0.93363400[mg/l]	0.83068000[mg/l]	4.94947000[mg/l]	5.16943000[mg/l]	1.01672000[mg/l]	5.14354000[mg/l]	
Conc RSD	*0.96928454*	*0.80489358*	*2.93043498*	*2.48644435*	*3.11815446*	*2.82309460*	
Conc SD	*0.00904957[mg/l]*	*0.00668609[mg/l]*	*0.14504100[mg/l]*	*0.12853500[mg/l]*	*0.03170290[mg/l]*	*0.14520700[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478361 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992112	File:	met06_master011	Time:	30-JAN-2023 19:42
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27217400	-0.34
Yttrium	A	802542	824715	2.76
Yttrium	R	91936	92335	0.43

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-01-30 19:42:51	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28520.30000000	613.86500000	1680.30000000	3993.63000000	4057.80000000	-34.67930000	3803.91000000
Int RSD	*0.21741006*	*0.78806089*	*1.64074272*	*1.06676633*	*1.33489576*	*267.14524226*	*0.52178416*
Int SD	*62.00600000*	*4.83763000*	*27.56940000*	*42.60270000*	*54.16740000*	*92.64410000*	*19.84820000*
RelInt Mean	0.00002661	0.00558635	-0.00009564	0.00023688	0.00016098	-0.00129633	0.00002991
RelInt RSD	*26.46609109*	*14.19302407*	*54.46081301*	*11.73688565*	*17.86793390*	*102.09205989*	*85.13043595*
RelInt SD	*0.00000704*	*0.00079287*	*0.00005209*	*0.00002780*	*0.00002876*	*0.00132345*	*0.00002546*
Conc Mean	<0.00012336[mg/l]	<0.02326950[mg/l]	<-0.00045087[mg/l]	<0.00167245[mg/l]	<0.00020731[mg/l]	<-0.07712020[mg/l]	<-0.00009647[mg/l]
Conc RSD	*229.39340634*	*411.25679538*	*633.50211700*	*20.10033185*	*46.71456687*	*138.89227466*	*174.94542447*
Conc SD	*0.00028298[mg/l]*	*0.09569740[mg/l]*	*0.00285629[mg/l]*	*0.00033617[mg/l]*	*0.00009684[mg/l]*	*0.10711400[mg/l]*	*0.00016877[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	3810.60000000	30174.20000000	6465.33000000	-295.17700000	-38.32960000	4674.56000000	2905.78000000
Int RSD	*0.31930667*	*1.94315674*	*2.44596950*	*26.90273971*	*279.55418267*	*0.36768166*	*6.75082078*
Int SD	*12.16750000*	*586.33200000*	*158.14000000*	*79.41070000*	*107.15200000*	*17.18750000*	*196.16400000*
RelInt Mean	0.00009730	0.00016403	0.00227039	-0.00174927	-0.00177579	0.00013460	0.00072830
RelInt RSD	*33.74896580*	*10.86310014*	*9.47048745*	*50.04619070*	*45.40536888*	*33.50178306*	*36.02888374*
RelInt SD	*0.00003284*	*0.00001782*	*0.00021502*	*0.00087544*	*0.00080630*	*0.00004509*	*0.00026240*
Conc Mean	<-0.00045899[mg/l]	<0.00028766[mg/l]	0.00595522[mg/l]	<-0.04966310[mg/l]	<0.00320603[mg/l]	<0.00000976[mg/l]	0.00464122[mg/l]
Conc RSD	*52.64896262*	*182.93726665*	*12.54198837*	*137.06172188*	*4725.53282408*	*289.69419524*	*41.87088740*
Conc SD	*0.00024165[mg/l]*	*0.00052624[mg/l]*	*0.00074690[mg/l]*	*0.06806910[mg/l]*	*0.15150200[mg/l]*	*0.00002829[mg/l]*	*0.00194332[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	1930.90000000	4238.46000000	3869.52000000	2744.44000000	1938.09000000	1819.28000000	-95.87320000
Int RSD	*3.72299446*	*0.25137668*	*0.12700903*	*1.05653977*	*1.36329066*	*1.71667913*	*47.61320160*
Int SD	*71.88730000*	*10.65450000*	*4.91464000*	*28.99610000*	*26.42180000*	*31.23120000*	*45.64830000*
RelInt Mean	0.01194140	0.00023796	-0.00009592	0.00018029	0.00007522	0.00017316	-0.00143651
RelInt RSD	*9.98526136*	*11.18735239*	*28.77028953*	*11.03646428*	*51.38936713*	*25.53533067*	*50.95411797*
RelInt SD	*0.00119238*	*0.00002662*	*0.00002760*	*0.00001990*	*0.00003865*	*0.00004422*	*0.00073196*
Conc Mean	<-0.23379200[mg/l]	<-0.00009009[mg/l]	<-0.00024387[mg/l]	0.01319050[mg/l]	0.00567209[mg/l]	0.00278695[mg/l]	<-0.00027692[mg/l]
Conc RSD	*4.50716877*	*322.70926064*	*399.80194528*	*8.49565976*	*51.38952309*	*30.78795816*	*257.62447459*
Conc SD	*0.01053740[mg/l]*	*0.00029073[mg/l]*	*0.00097501[mg/l]*	*0.00112062[mg/l]*	*0.00291486[mg/l]*	*0.00085805[mg/l]*	*0.00071342[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	35700.50000000	1675.39000000	6572.10000000	824715	27217400	92334.70000000	2792.83000000
Int RSD	*5.92299828*	*1.21134781*	*1.43266840*	*0.14816997*	*0.09218074*	*0.49219091*	*1.06528861*
Int SD	*2114.54000000*	*20.29480000*	*94.15640000*	*1221.98000000*	*25089.20000000*	*454.46300000*	*29.75170000*
RelInt Mean	0.00017863	-0.00003271	0.00003536	---	---	---	0.00040373
RelInt RSD	*42.47060931*	*52.89480845*	*5.50338493*	---	---	---	*4.70041711*
RelInt SD	*0.00007586*	*0.00001730*	*0.00000195*	---	---	---	*0.00001898*
Conc Mean	0.00152419[mg/l]	<0.00092817[mg/l]	<0.00039216[mg/l]	819755	27169700	92332.80000000	<0.00007048[mg/l]
Conc RSD	*43.62822220*	*92.27585122*	*85.25616016*	---	---	---	*121.12703633*
Conc SD	*0.00066498[mg/l]*	*0.00085647[mg/l]*	*0.00033434[mg/l]*	*1235.91000000*	*25068.80000000*	*479.64400000*	*0.00008537[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-90.72370000	385.18900000	4419.54000000	2344.29000000	3849.09000000	2044.90000000	
Int RSD	*39.31971469*	*25.19770814*	*1.41466759*	*2.82550794*	*0.40043491*	*1.23616314*	
Int SD	*35.67230000*	*97.05880000*	*62.52180000*	*66.23810000*	*15.41310000*	*25.27830000*	
RelInt Mean	-0.00193542	0.00026638	0.00052712	0.00067309	0.00008593	-0.00009632	
RelInt RSD	*36.93027870*	*464.86598093*	*13.01715372*	*11.73501573*	*30.28143117*	*6.59647651*	
RelInt SD	*0.00071476*	*0.00123831*	*0.00006862*	*0.00007899*	*0.00002602*	*0.00000635*	
Conc Mean	<-0.00100493[mg/l]	<0.00028058[mg/l]	<0.00308825[mg/l]	<0.00148664[mg/l]	<0.00021654[mg/l]	<0.00137075[mg/l]	
Conc RSD	*265.76179435*	*464.87301395*	*35.25912734*	*195.95396330*	*51.16261886*	*46.17391939*	
Conc SD	*0.00267072[mg/l]*	*0.00130435[mg/l]*	*0.00108889[mg/l]*	*0.00291313[mg/l]*	*0.00011079[mg/l]*	*0.00063293[mg/l]*	

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

enthalpy.com

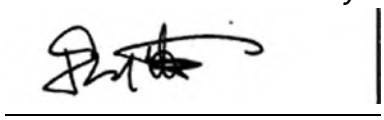
Lab Job Number: 478368
Report Level: II
Report Date: 02/06/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478368
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
230126-P-MEDBLANK1	478368-001	01/26/23 12:50	Wipe
230126-L-MEDBLANK1	478368-002	01/26/23 12:50	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478368 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/27/23

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 01/30/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

478368

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 TS of 1 TS

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
61	~~AFRAME-C5W-MED-L1-DN-C5.7-DG-2301 -P-~~	~~1/ /2023~~		~~WP~~	~~1~~	~~–~~	X			~~TS~~
62	~~AFRAME-C5W-MED-L1-DN-C5.7-DG-2301 -L-~~	~~1/ /2023~~		~~WP~~	~~1~~	~~–~~		X		~~TS~~
63	230126 -P-MEDBLANK1	1/26/2023	1250	WP	1	–	X			Collected from High Occupancy zone of Hangar 1
64	230126 -L-MEDBLANK1	1/26/2023	1250	WP	1	–		X		Collected from High Occupancy zone of Hangar 1
65	~~2301 P-MEDBLANK2~~	~~1/ /2023~~		~~WP~~	~~1~~	~~–~~	X			~~Collected from High Occupancy zone of Hangar 1~~ TS
66	~~2301 L-MEDBLANK2~~	~~1/ /2023~~		~~WP~~	~~1~~	~~–~~		X		~~Collected from High Occupancy zone of Hangar 1~~ TS
67										
68										
69										
70										
71										
72										
73										
74										
75										

Test Instructions / Comments

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	1/26/23 / 1645 TS
1 Received By:		Michaela Kim	Rincon/ENV Scientist	1/27/23@1351
2 Relinquished By:	Audrey Hudson	Audrey Hudson	ENTHALPY "	1/27/23@13:57
2 Received By:	Audrey Hudson	"	"	1/27/23 16:50
3 Relinquished By:		Brianna Li	BL	1/27/23 16:50
3 Received By:	Geena Sylvestri	Geena Sylvestri	EA	1/28/23 11:14

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478366 Client: Rincon

Date Received: 1.27.23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 1.27.23 How many 2 ☑ Signature, ☐ Initials, ☐ None

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

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

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

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

If in cooler: Date Opened 1.27.23 By (print) JJP (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.3, #2: 7.2, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 1.27.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 1.27.22 **By (print)** JJP **(sign)** _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

478368

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NCTRA

Date Received: 1/28/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? ~~1~~ 2 GS. 1/28/23 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: 2.9 #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: 2.8 #2: 2.2 #3: _____ #4: _____

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

AM 1/20/23

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: 1/28/23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701542

SDS

ORANGE

S10003H

79867300

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 1 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

4.7/2.8

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701543

SDS

ORANGE

S10003H

79867301

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 2 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

Cooler #7 Custody Seal on Cooler Intact

2.9/2.2

1/20/23 @ 1114

Enthalpy Analytical - Orange Analytical Report

Lab #: 478368 **Project#:** 20-10491

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

Field ID: 230126-P-MEDBLANK1 **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 8082

Lab ID: 478368-001 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

Dil n Fac: 1.000 **Analyzed:** 02/01/23

478368-001 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

478368-001 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	71	19-121

Type: BLANK **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042114 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

Dil n Fac: 1.000 **Prep:** EPA 3546

QC1042114 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

QC1042114 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	65	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 478368 **Project#:** 20-10491

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

Type: BS **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042115 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

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

QC1042115 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.228	65	60-140	ug/100 cm2
Aroclor-1260	5.000	3.517	70	60-140	ug/100 cm2

QC1042115 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	64	19-121

Type: BSD **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042116 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

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

QC1042116 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.934	79	60-140	ug/100 cm2	20	20
Aroclor-1260	5.000	4.288	86	60-140	ug/100 cm2	20	20

QC1042116 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	82	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 478368 **Project#:** 20-10491

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

Field ID:	230126-L-MEDBLANK1	**Batch#:**	306445	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	01/26/23	**Analysis:**	EPA 6010B
Lab ID:	478368-002	**Received:**	01/27/23	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	01/30/23		
Dil n Fac:	1.000	**Analyzed:**	01/30/23		

478368-002 Analyte	Result	RL	Units	Qual
Lead	**3.8**	0.25	ug/ft2	b

Type:	BLANK	**Batch#:**	306445	**Analysis:**	EPA 6010B
Lab ID:	QC1042048	**Prepared:**	01/30/23	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	01/30/23		
Dil n Fac:	1.000	**Prep:**	EPA 3050B		

QC1042048 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 478368 **Project#:** 20-10491

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

Type: BS **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042049 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

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

QC1042049 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	52.93	106	80-120	ug/ft2	b

Type: BSD **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042050 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

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

QC1042050 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	51.48	103	80-120	ug/ft2	3	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

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

enthalpy.com

Lab Job Number:	478371
Report Level:	IV
Report Date:	02/06/2023

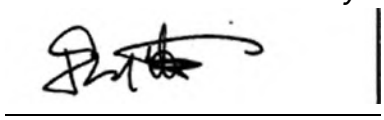
PCBs

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478371
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P-WF	478371-001	01/26/23 14:25	Wipe
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P-WF	478371-004	01/26/23 14:10	Wipe
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-LA	478371-007	01/26/23 15:25	Wipe
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP-LA	478371-008	01/26/23 15:25	Wipe
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-LA	478371-010	01/26/23 14:50	Wipe
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-DUP-LA	478371-011	01/26/23 14:50	Wipe
AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-P-WF	478371-013	01/26/23 15:10	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478371 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/27/23

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 01/30/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

478371

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

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

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

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. 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	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P- WF	1/26/2023	1425	WP	1	--	X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation
2	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L- WF	1/26/2023	1425	WP	1	--		X		Report PCB concentrations on a µg/100cm2 basis
3	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP- WF	1/26/2023	1425	WP	1	--		X		Report lead concentrations on a µg/ft2 basis
4	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P- WF	1/26/2023	1410	WP	1	--	X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L- WF	1/26/2023	1410	WP	1	--		X		Wipe samples collected from Zone 3 Enclosure C/D
6	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP- WF	1/26/2023	1410	WP	1	--		X		
7	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P- LA	1/26/2023	1525	WP	1	--	X			
8	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP- LA	1/26/2023	1525	WP	1	--	X			
9	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L- LA	1/26/2023	1525	WP	1	--		X		
10	AFRAME-C3W-LAT-L3-DN-C3W-DG-230126-P- LA	1/26/2023	1450	WP	1	--	X			
11	AFRAME-C3W-LAT-L3-DN-C3W-DG-230126-P-DUP- LA	1/26/2023	1450	WP	1	--	X			
12	AFRAME-C3W-LAT-L3-DN-C3W-DG-230126-L- LA	1/26/2023	1450	WP	1	--		X		
13	~~AFRAME-C4W-MED-L2-HS-1-230126-P~~	~~1/26/2023~~		WP	1		X			TS
14	~~AFRAME-C4W-MED-L2-HS-1-230126-L-~~	1/26/2023		WP	1			X		TS
15	AFRAME-C3W-MED-L3-EXT-0 TO 1-230126-P- WF	1/26/2023	1510	WP	1	--	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	1/26/23 / 1645 TS
1 Received By:		Michaela Kim	Rincon / Env Scientist	1/27/23 @ 1351
2 Relinquished By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1/27/23 @ 13:57
2 Received By:	Audrey Hudson	"	"	1/27/23 @ 16:50
3 Relinquished By:		Mycenah Ugay	EA	1/27/23 16:50
3 Received By:		Gecca Sylvester	EA	1/28/23 11:14

478371

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C3W-MED-L3-EXT-0 TO 1-230126-L-WF	1/26/2023	1510	WP	1	--		X		
17	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230126-P-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~	X			~~TS~~
18	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230126-L-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~		X		~~TS~~
19	~~AFRAME-C3W-MED-L2-UP-C3.7-DG-230126-P-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~	X			~~TS~~
20	~~AFRAME-C3W-MED-L2-UP-C3.7-DG-230126-L-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~		X		~~TS~~
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Tyler Simnott	Rincon / Env. Scientist	1/26/23 16:45 TS
1 Received By:	[signature]	Michaela King	Rincon/Env Scientist	1/27/23 @1351
2 Relinquished By:	[signature]	AUDREY HUDSON	ENTHALPY	1/27/23 @ 13:51
2 Received By:	[signature]	"	"	1/27/23 @ 16:50
3 Relinquished By:	[signature]	Maxemilly Hernandez	RA	1/27/23 16:50
3 Received By:	[signature]	Selena Sylva	EA	1/28/23 11:14

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478371 Client: Rincon

Date Received: 1.27.23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 1.27.23 How many 2 ☑ Signature, ☐ Initials, ☐ None

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

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

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

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

If in cooler: Date Opened 1.27.23 By (print) JJP (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.3, #2: 7.2, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 1.27.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 1.27.22 **By (print)** JJP **(sign)** _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

478371

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants | Project: Hangar 1 NCTRA

Date Received: 1/28/23 | Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? ~~1~~ 2 EAS. 1/28/23 ☐ No (skip section 2) | Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: 2.9 #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: 2.8 #2: 2.2 #3: _____ #4: _____

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

ar 1/28/23

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: Jessica Sylvester Date: 1/28/23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701542

SDS

ORANGE

S10003H

79867300

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 1 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

4.2/2.8

GLS.

800-322-5555
www.gls-us.com

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ORC CA927-EH0

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Package 2 of 5

LABEL INSTRUCTIONS:

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cooler #7 custody seal on cooler Intact
2.9/2.2
1/20/23 @ 1114

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 478371 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P-WF **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 8082

Lab ID: 478371-001 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478371-001 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

478371-001 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	71	19-121

Field ID: AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P-WF **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 8082

Lab ID: 478371-004 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478371-004 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

478371-004 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478371 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-LA
Type: SAMPLE
Lab ID: 478371-007
Matrix: Wipe
DiIn Fac: 1.000

Batch#: 306459
Sampled: 01/26/23
Received: 01/27/23
Prepared: 01/31/23
Analyzed: 02/01/23

Prep: EPA 3546
Analysis: EPA 8082
Analyst: TRN

478371-007 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

478371-007 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	83	19-121

Field ID: AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP-LA
Type: SAMPLE
Lab ID: 478371-008
Matrix: Wipe
DiIn Fac: 1.000

Batch#: 306459
Sampled: 01/26/23
Received: 01/27/23
Prepared: 01/31/23
Analyzed: 02/01/23

Prep: EPA 3546
Analysis: EPA 8082
Analyst: TRN

478371-008 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

478371-008 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478371 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-LA **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 8082

Lab ID: 478371-010 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478371-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478371-010 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	70	19-121

Field ID: AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-DUP-LA **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 8082

Lab ID: 478371-011 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478371-011 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

478371-011 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	78	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478371 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-P-WF **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 8082

Lab ID: 478371-013 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

Dil n Fac: 1.000 **Analyzed:** 02/01/23

478371-013 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

478371-013 Surrogate	%REC	Limits
TCMX (PCB)	83	19-121
Decachlorobiphenyl (PCB)	77	19-121

Type: BLANK **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042114 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

Dil n Fac: 1.000 **Prep:** EPA 3546

QC1042114 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

QC1042114 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	65	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 478371 **Project#:** 20-10491

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

Type: BS **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042115 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

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

QC1042115 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.228	65	60-140	ug/100 cm2
Aroclor-1260	5.000	3.517	70	60-140	ug/100 cm2

QC1042115 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	64	19-121

Type: BSD **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042116 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

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

QC1042116 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.934	79	60-140	ug/100 cm2	20	20
Aroclor-1260	5.000	4.288	86	60-140	ug/100 cm2	20	20

QC1042116 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	82	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_010423014	453006691014		04-JAN-2023 15:31	S17807
L2	gc06_010423015	453006691015		04-JAN-2023 15:49	S17797
L3	gc06_010423016	453006691016		04-JAN-2023 16:07	S17798
L4	gc06_010423017	453006691017		04-JAN-2023 16:26	S17799
L5	gc06_010423018	453006691018		04-JAN-2023 16:44	S17800
L6	gc06_010423019	453006691019		04-JAN-2023 17:02	S17801
L7	gc06_010423020	453006691020		04-JAN-2023 17:21	S17802
L8	gc06_010423021	453006691021		04-JAN-2023 17:39	S17803
L9	gc06_010423022	453006691022		04-JAN-2023 17:57	S17804
L10	gc06_010423023	453006691023		04-JAN-2023 18:16	S17805

Analyte	Ch	Type	X	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		43.8687		0.0228		20	8	.99	20	
Aroclor-1016 Peak # 2	A	QUAD	A	0.45356	0.04438	-5.35E-6	0.0495	1.000		9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	R		17.5207		0.0571		18	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		27.4681		0.0364		16	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		41.8358		0.0239		13	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		13.5062		0.0740		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		9.89275		0.1011		17	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		8.68970		0.1151		19	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		16.5048		0.0606		10	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		7.61626		0.1313		15	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.71754		1.3936		16	8	.99	20	
TCMX (PCB)	A	AVRG	R		1.00901		0.9911		18	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		45.2637		0.0221		20	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		31.3881		0.0319		18	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		17.8281		0.0561		18	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.4309		0.0409		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.4795		0.0328		16	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		16.0294		0.0624		19	8	.99	20	
Aroclor-1260 Peak # 2	B	QUAD	A	0.93788	0.06605	-7.38E-6	0.0755	0.998		9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		10.9847		0.0910		18	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		19.9818		0.0500		13	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1294		0.0824		18	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.92107		1.0857		20	10	.99	20	
TCMX (PCB)	B	AVRG	R		1.03391		0.9672		13	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	0.0327	0.0254	0.0226	0.0214	0.0218	0.0205	0.0191	0.0187		
Aroclor-1016 Peak # 2	A	0.0881	0.0530	0.0492	0.0471	0.0480	0.0436	0.0402	0.0392	0.0368	
Aroclor-1016 Peak # 3	A	0.0777	0.0683	0.0611	0.0562	0.0598	0.0538	0.0508	0.0498	0.0454	0.0478
Aroclor-1016 Peak # 4	A	0.0490	0.0412	0.0403	0.0365	0.0374	0.0359	0.0316	0.0312	0.0300	0.0310
Aroclor-1016 Peak # 5	A	0.0301	0.0252	0.0262	0.0245	0.0255	0.0234	0.0216	0.0215	0.0201	0.0209
Aroclor-1260 Peak # 1	A	0.1011	0.0818	0.0781	0.0702	0.0750	0.0653	0.0594	0.0614		
Aroclor-1260 Peak # 2	A	0.1328	0.1147	0.1136	0.1049	0.1119	0.0965	0.0858	0.0894	0.0791	0.0822
Aroclor-1260 Peak # 3	A	0.1601	0.1276	0.1196	0.1008	0.1177	0.1032	0.0930	0.0986		
Aroclor-1260 Peak # 4	A	0.0677	0.0613	0.0653	0.0620	0.0703	0.0616	0.0548	0.0589	0.0508	0.0532
Aroclor-1260 Peak # 5	A	0.1723	0.1336	0.1463	0.1354	0.1448	0.1257	0.1103	0.1197	0.1087	0.1162
Decachlorobiphenyl (PCB)	A	1.8118	1.4660	1.5680	1.3606	1.3223	1.3070	1.0922	1.2212		
TCMX (PCB)	A	1.4485	1.0967	1.0013	0.9898	0.9268	0.9238	0.8443	0.8759	0.8690	0.9346
Aroclor-1016 Peak # 1	B	0.0312	0.0256	0.0244	0.0220	0.0218	0.0199	0.0186	0.0182	0.0171	
Aroclor-1016 Peak # 2	B	0.0438	0.0362	0.0360	0.0338	0.0328	0.0295	0.0281	0.0270	0.0250	0.0264
Aroclor-1016 Peak # 3	B	0.0786	0.0634	0.0605	0.0580	0.0568	0.0517	0.0480	0.0486	0.0462	0.0491
Aroclor-1016 Peak # 4	B	0.0542	0.0465	0.0461	0.0420	0.0420	0.0385	0.0357	0.0360	0.0332	0.0351
Aroclor-1016 Peak # 5	B	0.0454	0.0345	0.0358	0.0335	0.0339	0.0312	0.0287	0.0292	0.0271	0.0287
Aroclor-1260 Peak # 1	B	0.0864	0.0684	0.0661	0.0612	0.0622	0.0548	0.0489	0.0511		
Aroclor-1260 Peak # 2	B	0.1195	0.0863	0.0842	0.0744	0.0750	0.0654	0.0580	0.0612	0.0555	
Aroclor-1260 Peak # 3	B	0.1217	0.1081	0.1032	0.0924	0.0959	0.0839	0.0765	0.0826	0.0708	0.0752
Aroclor-1260 Peak # 4	B	0.0645	0.0519	0.0542	0.0477	0.0547	0.0485	0.0431	0.0469	0.0434	0.0456
Aroclor-1260 Peak # 5	B	0.1142	0.0954	0.0910	0.0788	0.0866	0.0771	0.0704	0.0777	0.0644	0.0688
Decachlorobiphenyl (PCB)	B	1.5458	1.2779	1.2380	1.0695	1.0414	1.0502	0.8706	0.9855	0.8589	0.9192
TCMX (PCB)	B	1.2479	1.0977	0.9996	0.9492	0.8959	0.9174	0.8473	0.8893	0.8747	0.9531

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	**44**	20.000	12	50.000	-1	100.00	-6	250.00	-4	500.00	-10	749.91	-16	1000.0	-18
Aroclor-1016 Peak # 2	A	10.000	-4	20.000	**-32**	50.000	-9	100.00	-3	250.00	8	500.00	3	749.91	-2	1000.0	-1
Aroclor-1016 Peak # 3	A	10.000	**36**	20.000	20	50.000	7	100.00	-1	250.00	5	500.00	-6	749.91	-11	1000.0	-13
Aroclor-1016 Peak # 4	A	10.000	**35**	20.000	13	50.000	11	100.00	0	250.00	3	500.00	-1	749.91	-13	1000.0	-14
Aroclor-1016 Peak # 5	A	10.000	**26**	20.000	5	50.000	9	100.00	3	250.00	7	500.00	-2	749.91	-9	1000.0	-10
Aroclor-1260 Peak # 1	A	10.000	**37**	20.000	10	50.000	5	100.00	-5	250.00	1	500.00	-12	749.91	-20	1000.0	-17
Aroclor-1260 Peak # 2	A	10.000	**31**	20.000	13	50.000	12	100.00	4	250.00	11	500.00	-5	749.91	-15	1000.0	-12
Aroclor-1260 Peak # 3	A	10.000	**39**	20.000	11	50.000	4	100.00	-12	250.00	2	500.00	-10	749.91	-19	1000.0	-14
Aroclor-1260 Peak # 4	A	10.000	12	20.000	1	50.000	8	100.00	2	250.00	16	500.00	2	749.91	-10	1000.0	-3
Aroclor-1260 Peak # 5	A	10.000	**31**	20.000	2	50.000	11	100.00	3	250.00	10	500.00	-4	749.91	-16	1000.0	-9
Decachlorobiphenyl (PCB)	A	0.8000	**30**	1.6000	5	4.0000	13	8.0000	-2	20.000	-5	40.000	-6	59.993	**-22**	80.000	-12
TCMX (PCB)	A	0.8000	**46**	1.6000	11	4.0000	1	8.0000	0	20.000	-6	40.000	-7	59.993	-15	80.000	-12
Aroclor-1016 Peak # 1	B	10.000	**41**	20.000	16	50.000	10	100.00	0	250.00	-1	500.00	-10	749.91	-16	1000.0	-17
Aroclor-1016 Peak # 2	B	10.000	**38**	20.000	14	50.000	13	100.00	6	250.00	3	500.00	-8	749.91	-12	1000.0	-15
Aroclor-1016 Peak # 3	B	10.000	**40**	20.000	13	50.000	8	100.00	3	250.00	1	500.00	-8	749.91	-14	1000.0	-13
Aroclor-1016 Peak # 4	B	10.000	**32**	20.000	14	50.000	13	100.00	3	250.00	3	500.00	-6	749.91	-13	1000.0	-12
Aroclor-1016 Peak # 5	B	10.000	**38**	20.000	5	50.000	9	100.00	2	250.00	3	500.00	-5	749.91	-12	1000.0	-11
Aroclor-1260 Peak # 1	B	10.000	**39**	20.000	10	50.000	6	100.00	-2	250.00	0	500.00	-12	749.91	**-22**	1000.0	-18
Aroclor-1260 Peak # 2	B	10.000	**-61**	20.000	**-40**	50.000	0	100.00	0	250.00	11	500.00	2	749.91	-7	1000.0	3
Aroclor-1260 Peak # 3	B	10.000	**34**	20.000	19	50.000	13	100.00	1	250.00	5	500.00	-8	749.91	-16	1000.0	-9
Aroclor-1260 Peak # 4	B	10.000	**29**	20.000	4	50.000	8	100.00	-5	250.00	9	500.00	-3	749.91	-14	1000.0	-6
Aroclor-1260 Peak # 5	B	10.000	**38**	20.000	16	50.000	10	100.00	-4	250.00	5	500.00	-6	749.91	-15	1000.0	-6
Decachlorobiphenyl (PCB)	B	0.8000	**42**	1.6000	18	4.0000	14	8.0000	-1	20.000	-4	40.000	-3	59.993	-20	80.000	-9
TCMX (PCB)	B	0.8000	**29**	1.6000	13	4.0000	3	8.0000	-2	20.000	-7	40.000	-5	59.993	-12	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A				
Aroclor-1016 Peak # 2	A	1500.0	0		
Aroclor-1016 Peak # 3	A	1500.0	-20	2000.0	-16
Aroclor-1016 Peak # 4	A	1500.0	-18	2000.0	-15
Aroclor-1016 Peak # 5	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 1	A				
Aroclor-1260 Peak # 2	A	1500.0	**-22**	2000.0	-19
Aroclor-1260 Peak # 3	A				
Aroclor-1260 Peak # 4	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-11
Decachlorobiphenyl (PCB)	A				
TCMX (PCB)	A	120.00	-12	160.00	-6
Aroclor-1016 Peak # 1	B	1500.0	**-23**		
Aroclor-1016 Peak # 2	B	1500.0	**-22**	2000.0	-17
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-14
Aroclor-1016 Peak # 5	B	1500.0	-17	2000.0	-13
Aroclor-1260 Peak # 1	B				
Aroclor-1260 Peak # 2	B	1500.0	0		
Aroclor-1260 Peak # 3	B	1500.0	**-22**	2000.0	-17
Aroclor-1260 Peak # 4	B	1500.0	-13	2000.0	-9
Aroclor-1260 Peak # 5	B	1500.0	**-22**	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	**-21**	160.00	-15
TCMX (PCB)	B	120.00	-10	160.00	-1

TRN 01/05/23 : Manually integrated for coeluting, automatically draw baseline due to software limitation, and negative/positive baseline on both channels and multiple levels

Analyst: TRN 01/05/23

Reviewer: LW 01/06/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478371 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_010423_1
Calnum:	453006691001	Cal Date:	04-JAN-2023

- ICV 453006691025 (gc06_010423025 04-JAN-2023) stds: S17806

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	524.9	ug/L	5	15	
Aroclor-1260	A	500.0	484.4	ug/L	-3	15	
Aroclor-1016	B	500.0	508.8	ug/L	2	15	
Aroclor-1260	B	500.0	494.9	ug/L	-1	15	

-

Analyst: TRN 01/05/23 **Reviewer:** LW 01/06/23

ENTHALPY CONTINUING CALIBRATION FOR 478371 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453046656002	File:	gc06_020123002	Time:	01-FEB-2023 09:36
Cal:	453006691001	Caldate:	04-JAN-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	472.6	ug/L	-5	15	0.0000	
Aroclor-1260	A			500.0	445.3	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3936	1.3567	40.00	38.94	ug/L	-3	15	0.0000	
TCMX (PCB)	A	0.9911	0.9462	40.00	38.19	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	444.2	ug/L	-11	15	0.0000	
Aroclor-1260	B			500.0	443.0	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0857	1.0543	40.00	38.84	ug/L	-3	15	0.0000	
TCMX (PCB)	B	0.9672	0.9370	40.00	38.75	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_010423016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5172441	6809781	31.66
1-bromo-2-nitrobenzene (PCB)	A	1108047	1458049	31.59

TRN 02/01/23 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

Analyst: TRN 02/01/23 **Reviewer:** LW 02/06/23

Enthalpy Internal Standard Summary for Sequence 453046656

Date:	02/01/23	Reference:	gc06_010423016
Sequence:	SVOA-GC06 gc06_020123	Analyzed:	01/04/23 16:07

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	5172441	1108047
		LOWER LIMIT	2586220	554024
		UPPER LIMIT	10344882	2216094
002	CCV		6809781	1458049

Enthalpy Internal Standard Summary for Sequence 453046656

Date:	02/01/23	Reference:	gc06_020123002
Sequence:	SVOA-GC06 gc06_020123	Analyzed:	02/01/23 09:36

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	6809781	1458049
		LOWER LIMIT	3404891	729024
		UPPER LIMIT	13619562	2916098
007	BLANK	QC1042114	6803738	1340810
008	BS	QC1042115	6650756	1293347
009	BSD	QC1042116	7781027	1619308
010	SAMPLE	478368-001	7364429	1483714
011	SAMPLE	478371-001	6976320	1403828
012	SAMPLE	478371-004	7050117	1442234
013	SAMPLE	478371-007	6520003	1289504
014	SAMPLE	478371-008	7038443	1433257
015	SAMPLE	478371-010	7341348	1507242
016	SAMPLE	478371-011	7202605	1470826
017	SAMPLE	478371-013	6872244	1407535
018	SAMPLE	478373-040	7948178	1601446
019	SAMPLE	478373-042	7041086	1463328
020	SAMPLE	478373-044	7817722	1613115
021	SAMPLE	478373-046	8221936	1526294
022	SAMPLE	478373-048	7963229	1480319
023	SAMPLE	478373-051	8618364	1629049
024	SAMPLE	478373-053	7743325	1453116
025	SAMPLE	478373-055	8224117	1564926
026	SAMPLE	478373-057	7815244	1513005
027	SAMPLE	478373-059	8537584	1686122
028	SAMPLE	478373-061	9706388	1851405
029	SAMPLE	478373-063	8262760	1703960

Enthalpy Internal Standard Summary for Sequence 453046656

Date:	02/01/23	Reference:	gc06_020123002
Sequence:	SVOA-GC06 gc06_020123	Analyzed:	02/01/23 09:36

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.39	4.15
		LOWER LIMIT	4.19	3.95
		UPPER LIMIT	4.59	4.35
007	BLANK	QC1042114	4.39	4.15
008	BS	QC1042115	4.39	4.15
009	BSD	QC1042116	4.39	4.15
010	SAMPLE	478368-001	4.39	4.15
011	SAMPLE	478371-001	4.39	4.15
012	SAMPLE	478371-004	4.39	4.15
013	SAMPLE	478371-007	4.39	4.15
014	SAMPLE	478371-008	4.39	4.15
015	SAMPLE	478371-010	4.39	4.15
016	SAMPLE	478371-011	4.39	4.15
017	SAMPLE	478371-013	4.39	4.15
018	SAMPLE	478373-040	4.39	4.15
019	SAMPLE	478373-042	4.39	4.15
020	SAMPLE	478373-044	4.39	4.15
021	SAMPLE	478373-046	4.39	4.15
022	SAMPLE	478373-048	4.39	4.15
023	SAMPLE	478373-051	4.39	4.15
024	SAMPLE	478373-053	4.39	4.15
025	SAMPLE	478373-055	4.39	4.15
026	SAMPLE	478373-057	4.39	4.15
027	SAMPLE	478373-059	4.39	4.15
028	SAMPLE	478373-061	4.39	4.15
029	SAMPLE	478373-063	4.39	4.15

Enthalpy Sequence Summary for Sequence 453006691

Instrument: SVOA-GC06 Begun: 01/04/23 11:51

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_010423002	PEM				01/04/23 11:51	1.0	1
003	gc06_010423003	ICAL				01/04/23 12:09	1.0	2
004	gc06_010423004	ICAL				01/04/23 12:27	1.0	3
005	gc06_010423005	ICAL				01/04/23 12:46	1.0	4
006	gc06_010423006	ICAL				01/04/23 13:04	1.0	5
007	gc06_010423007	ICAL				01/04/23 13:22	1.0	6
008	gc06_010423008	ICAL				01/04/23 13:41	1.0	7
009	gc06_010423009	ICAL				01/04/23 13:59	1.0	8
010	gc06_010423010	ICAL				01/04/23 14:17	1.0	9
012	gc06_010423012	ICV				01/04/23 14:54	1.0	10
014	gc06_010423014	ICAL				01/04/23 15:31	1.0	11
015	gc06_010423015	ICAL				01/04/23 15:49	1.0	12
016	gc06_010423016	ICAL				01/04/23 16:07	1.0	13
017	gc06_010423017	ICAL				01/04/23 16:26	1.0	14
018	gc06_010423018	ICAL				01/04/23 16:44	1.0	15
019	gc06_010423019	ICAL				01/04/23 17:02	1.0	16
020	gc06_010423020	ICAL				01/04/23 17:21	1.0	17
021	gc06_010423021	ICAL				01/04/23 17:39	1.0	18
022	gc06_010423022	ICAL				01/04/23 17:57	1.0	19
023	gc06_010423023	ICAL				01/04/23 18:16	1.0	20
025	gc06_010423025	ICV				01/04/23 18:53	1.0	21

TRN 01/05/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 25.

Standards Used:

1=S17384 2=S17585 3=S17586 4=S17587 5=S17588 6=S17589 7=S17590 8=S17591 9=S17592 10=S17715 11=S17807 12=S17797 13=S17798 14=S17799 15=S17800 16=S17801 17=S17802 18=S17803 19=S17804 20=S17805 21=S17806

Enthalpy Sequence Summary for Sequence 453046656

Instrument: SVOA-GC06 Begun: 02/01/23 09:36
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_020123002	CCV				02/01/23 09:36	1.0	1	
007	gc06_020123007	BLANK	QC1042114	Wipe	306459	02/01/23 11:50	1.0	2	
008	gc06_020123008	BS	QC1042115	Wipe	306459	02/01/23 12:08	1.0	2	
009	gc06_020123009	BSD	QC1042116	Wipe	306459	02/01/23 12:27	1.0	2	
010	gc06_020123010	SAMPLE	478368-001	Wipe	306459	02/01/23 12:45	1.0	2	
011	gc06_020123011	SAMPLE	478371-001	Wipe	306459	02/01/23 13:03	1.0	2	
012	gc06_020123012	SAMPLE	478371-004	Wipe	306459	02/01/23 13:22	1.0	2	
013	gc06_020123013	SAMPLE	478371-007	Wipe	306459	02/01/23 13:40	1.0	2	
014	gc06_020123014	SAMPLE	478371-008	Wipe	306459	02/01/23 13:58	1.0	2	
015	gc06_020123015	SAMPLE	478371-010	Wipe	306459	02/01/23 14:17	1.0	2	
016	gc06_020123016	SAMPLE	478371-011	Wipe	306459	02/01/23 14:35	1.0	2	
017	gc06_020123017	SAMPLE	478371-013	Wipe	306459	02/01/23 14:53	1.0	2	
018	gc06_020123018	SAMPLE	478373-040	Wipe	306459	02/01/23 15:12	1.0	2	
019	gc06_020123019	SAMPLE	478373-042	Wipe	306459	02/01/23 15:30	1.0	2	
020	gc06_020123020	SAMPLE	478373-044	Wipe	306459	02/01/23 15:49	1.0	2	
021	gc06_020123021	SAMPLE	478373-046	Wipe	306459	02/01/23 16:07	1.0	2	
022	gc06_020123022	SAMPLE	478373-048	Wipe	306459	02/01/23 16:25	1.0	2	
023	gc06_020123023	SAMPLE	478373-051	Wipe	306459	02/01/23 16:44	1.0	2	
024	gc06_020123024	SAMPLE	478373-053	Wipe	306459	02/01/23 17:02	1.0	2	2:PCB1016#1=2200
025	gc06_020123025	SAMPLE	478373-055	Wipe	306459	02/01/23 17:20	1.0	2	
026	gc06_020123026	SAMPLE	478373-057	Wipe	306459	02/01/23 17:39	1.0	2	
027	gc06_020123027	SAMPLE	478373-059	Wipe	306459	02/01/23 17:57	1.0	2	
028	gc06_020123028	SAMPLE	478373-061	Wipe	306459	02/01/23 18:16	1.0	2	
029	gc06_020123029	SAMPLE	478373-063	Wipe	306459	02/01/23 18:34	1.0	2	

TRN 02/03/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 29.

Standards Used:
1=S17896 2=S17544

SAMPLE PREPARATION SUMMARY

Batch # : 306459
Started By : EPL
Method : 3546
Spike #1 ID : S17890
Prep Date : 31-JAN-2023 09:04
Spike #2 ID : S17772
Analysis : 8080
Finished By : EPL
Units : dm2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
478368-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-008		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-010		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478371-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-040		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-042		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-044		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-046		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-048		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-051		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-053		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-055		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-057		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-059		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-061		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
478373-063		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
QC1042114	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1042115	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1042116	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 02/03/23 : BS/D verify the batch

Analyst: TRN Date: 02/03/23 Reviewer: LW Date: 02/06/23

8081/8082/608.3 Prep Log

Prep Method: 3546 9:04 Matrix: WIPE Date/Time: 1/31/23 Initials: EPL

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

Hotblock Temp (Obs/Corr), °C: _____/_____

Balance ID: N/A Microdipenser ID: SYRINGE

Extraction Start Time*: 10:03 Extraction end time*: 10:48

* For hot block, microwave, shaker table

608.3 QC Batch#: _____

8081 QC Batch #: _____

8082 QC Batch #: 306459

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1dm²	N/A	M1002-1	TV08	10.0		
LCS2		↓	↓	2	↓	↓		
LCSD2				3				
478373-040	A			4				
-042	A			5	↓			
-044	A			6	TV07			
-046	A			7				
-048	A			8				
-051	A			9				
-053	A			10				
-055	A			11	↓			
-057	A			12	TV05			
-059	A			13				
-061	A			14				
-063	A			15				
478371-001	A			16				
-004	A			17	↓			
-007	A			18	TV06			
-008	A			19				
-010	A			20				
-011	A			21				
-013	A			22				
478368-001	A	↓	↓	23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 224644

Acetone-Hexane Mix ID: _____

Sodium Sulfate Lot: 213142

Baked Sand Lot: N/A

Surrogate ID: 517890 Volume: 500 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: 517772 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 478371 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
478371-001	Aroclor-1016	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1221	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1232	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1242	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1248	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1254	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1260	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1262	SVOA-GC06	B	02/01/23 13:03
478371-001	Aroclor-1268	SVOA-GC06	B	02/01/23 13:03
478371-001	TCMX (PCB)	SVOA-GC06	B	02/01/23 13:03
478371-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 13:03
478371-004	Aroclor-1016	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1221	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1232	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1242	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1248	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1254	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1260	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1262	SVOA-GC06	B	02/01/23 13:22
478371-004	Aroclor-1268	SVOA-GC06	B	02/01/23 13:22
478371-004	TCMX (PCB)	SVOA-GC06	B	02/01/23 13:22
478371-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 13:22
478371-007	Aroclor-1016	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1221	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1232	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1242	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1248	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1254	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1260	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1262	SVOA-GC06	B	02/01/23 13:40
478371-007	Aroclor-1268	SVOA-GC06	B	02/01/23 13:40
478371-007	TCMX (PCB)	SVOA-GC06	B	02/01/23 13:40
478371-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 13:40
478371-008	Aroclor-1016	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1221	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1232	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1242	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1248	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1254	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1260	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1262	SVOA-GC06	B	02/01/23 13:58
478371-008	Aroclor-1268	SVOA-GC06	B	02/01/23 13:58
478371-008	TCMX (PCB)	SVOA-GC06	B	02/01/23 13:58
478371-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 13:58
478371-010	Aroclor-1016	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1221	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1232	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1242	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1248	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1254	SVOA-GC06	B	02/01/23 14:17

REPORTING SUMMARY FOR 478371 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
478371-010	Aroclor-1260	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1262	SVOA-GC06	B	02/01/23 14:17
478371-010	Aroclor-1268	SVOA-GC06	B	02/01/23 14:17
478371-010	TCMX (PCB)	SVOA-GC06	B	02/01/23 14:17
478371-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 14:17
478371-011	Aroclor-1016	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1221	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1232	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1242	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1248	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1254	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1260	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1262	SVOA-GC06	B	02/01/23 14:35
478371-011	Aroclor-1268	SVOA-GC06	B	02/01/23 14:35
478371-011	TCMX (PCB)	SVOA-GC06	B	02/01/23 14:35
478371-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 14:35
478371-013	Aroclor-1016	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1221	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1232	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1242	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1248	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1254	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1260	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1262	SVOA-GC06	B	02/01/23 14:53
478371-013	Aroclor-1268	SVOA-GC06	B	02/01/23 14:53
478371-013	TCMX (PCB)	SVOA-GC06	B	02/01/23 14:53
478371-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 14:53
QC1042114	Aroclor-1016	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1221	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1232	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1242	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1248	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1254	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1260	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1262	SVOA-GC06	B	02/01/23 11:50
QC1042114	Aroclor-1268	SVOA-GC06	B	02/01/23 11:50
QC1042114	TCMX (PCB)	SVOA-GC06	B	02/01/23 11:50
QC1042114	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 11:50
QC1042115	Aroclor-1016	SVOA-GC06	B	02/01/23 12:08
QC1042115	Aroclor-1260	SVOA-GC06	A	02/01/23 12:08
QC1042115	TCMX (PCB)	SVOA-GC06	B	02/01/23 12:08
QC1042115	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 12:08
QC1042116	Aroclor-1016	SVOA-GC06	B	02/01/23 12:27
QC1042116	Aroclor-1260	SVOA-GC06	A	02/01/23 12:27
QC1042116	TCMX (PCB)	SVOA-GC06	B	02/01/23 12:27
QC1042116	Decachlorobiphenyl (PCB)	SVOA-GC06	B	02/01/23 12:27

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-001	Client ID:	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P-WF
Seqnum:	453046656011	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123011	Batch:	306459	Time:	01-FEB-2023 13:03
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	56.37	~~0.56~~ ~~FP~~	0.77	31%	0.50		x u
Aroclor-1016 Peak # 1	B	70.18	0.70	0.79	11%			
Aroclor-1016 Peak # 2	B	44.69	0.45	ND	237%			
Aroclor-1016 Peak # 3	B	165.1	1.65	0.69	83%			
Aroclor-1016 Peak # 4	B	0.5866	0.01	1.55	198%			
Aroclor-1016 Peak # 5	B	1.338	0.01	0.86	194%			
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	47.09	ND	0.19	84%	0.50		u
Aroclor-1260 Peak # 1	B	3.687	0.04	0.15	122%			
Aroclor-1260 Peak # 2	B	-8.715	ND	0.02	-335%			
Aroclor-1260 Peak # 3	B	52.36	0.52	0.09	141%			
Aroclor-1260 Peak # 4	B	172.3	1.72	0.63	93%			
Aroclor-1260 Peak # 5	B	15.76	0.16	0.07	82%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.97	0.5000	0.3597	72	19-121	u
Decachlorobiphenyl (PCB)	B	35.28	0.5000	0.3528	71	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	6976320	2.45
1-bromo-2-nitrobenzene (PCB)	A	1458049	1403828	-3.72

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

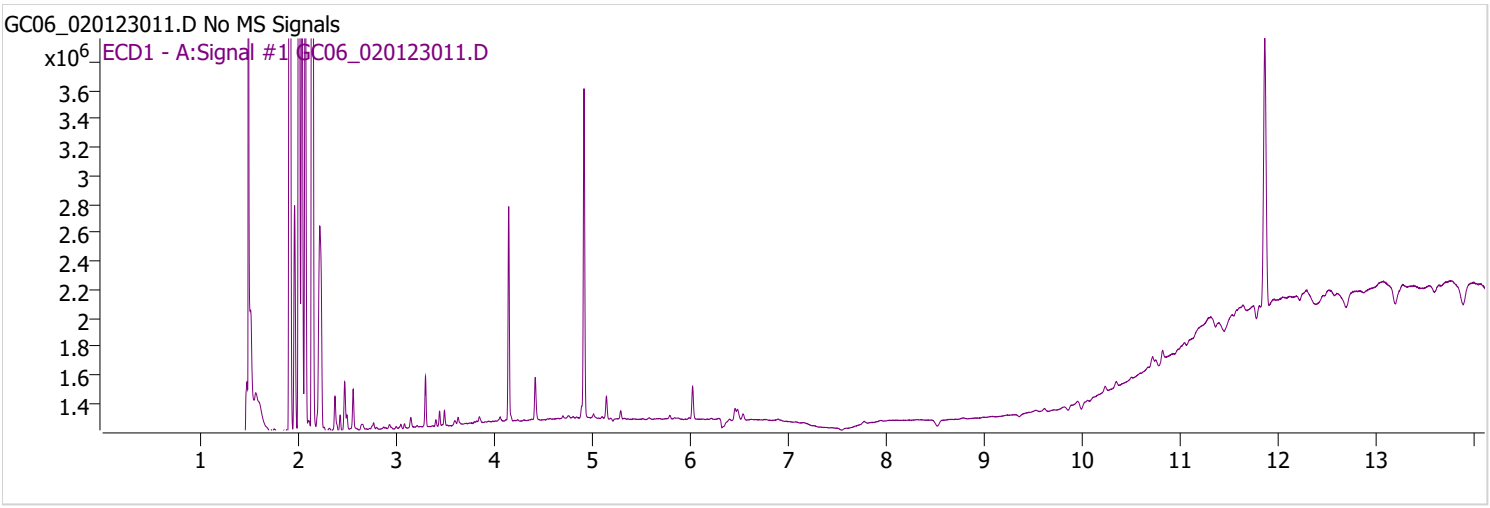
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

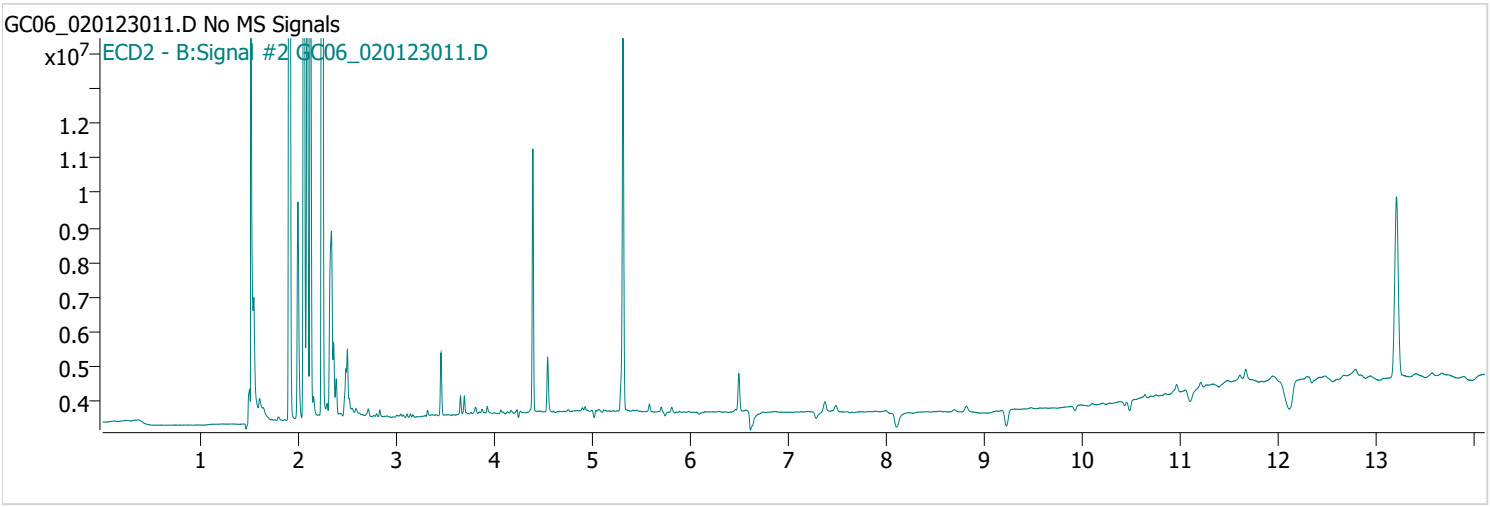
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 1:03:52 PM
Sample Name	478371-001, 306459, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



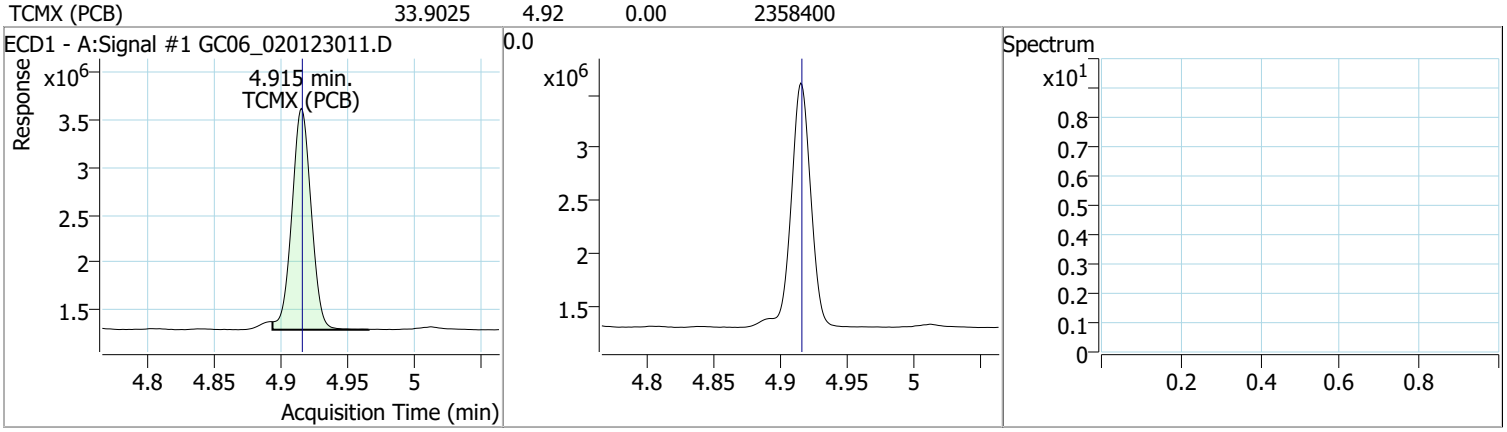


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.146	0.0	1403827.519	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	6976320.016	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.915	0.0	2358399.995	33.9025	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.51%		*	
S TCMX (PCB) #2	5.313	0.0	12136544.640	35.9738	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.87%		*	
S Decachlorobiphenyl (PCB)	11.866	0.0	3644628.537	37.2582	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.29%		*	
S Decachlorobiphenyl (PCB) #2	13.210	0.0	13359097.949	35.2760	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.38%		*	
Target Compounds							QValue

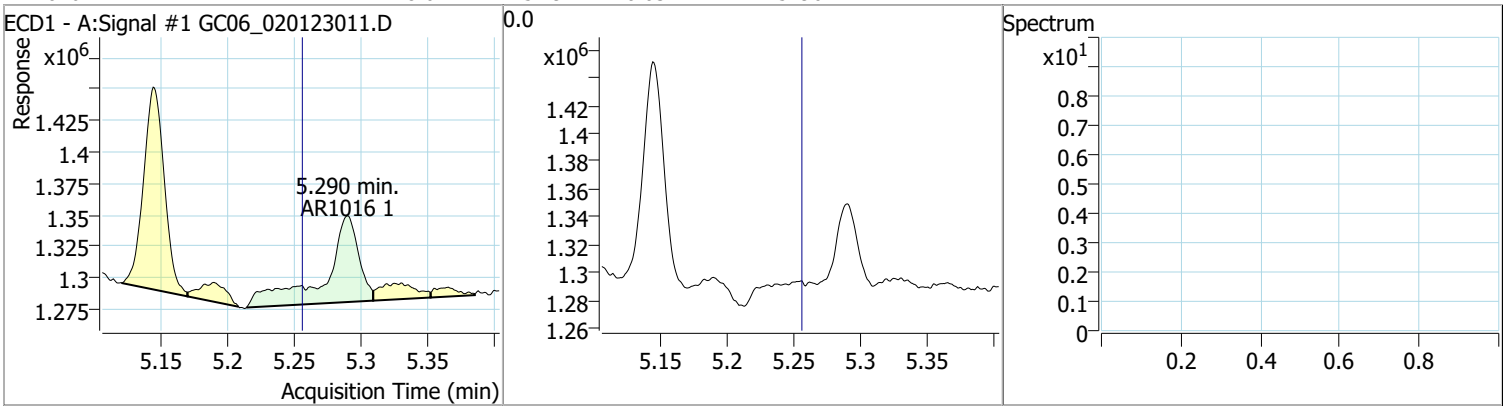
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.290	0.0	125795.622	78.6217	ng/ml	100
T AR1016 2	5.583	0.0	19999.464	0.0000	ng/ml	100
T AR1016 1 #2	5.811	0.0	540795.331	70.1765	ng/ml	100
T AR1016 3	6.024	0.0	274484.673	68.5158	ng/ml	100
T AR1016 4	6.217	0.0	394865.688	154.5251	ng/ml	100
T AR1016 2 #2	6.296	0.0	496631.613	44.6897	ng/ml	100
T AR1016 5	6.292	0.0	144241.053	85.9721	ng/ml	100
T AR1016 3 #2	6.876	0.0	3229408.988	165.0581	ng/ml	100
T AR1016 4 #2	6.983	0.0	8375.944	0.5867	ng/ml	100
T AR1016 5 #2	7.656	0.0	15315.028	1.3382	ng/ml	100
T AR1260 1	8.314	0.0	78778.756	15.1588	ng/ml	100
T AR1260 2	8.999	0.0	15580.588	2.1959	ng/ml	100
T AR1260 3	9.526	0.0	73539.578	9.1043	ng/ml	100
T AR1260 1 #2	9.783	0.0	80243.587	3.6875	ng/ml	100
T AR1260 4	9.958	0.0	267563.672	62.9156	ng/ml	100
T AR1260 2 #2	10.107	0.0	126164.533	0.0000	ng/ml	100
T AR1260 5	10.351	0.0	60708.720	6.5874	ng/ml	100
T AR1260 3 #2	10.642	0.0	1662728.176	52.3621	ng/ml	100
T AR1260 4 #2	10.966	0.0	3008356.817	172.3346	ng/ml	100
T AR1260 5 #2	11.612	0.0	453234.915	15.7606	ng/ml	100

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

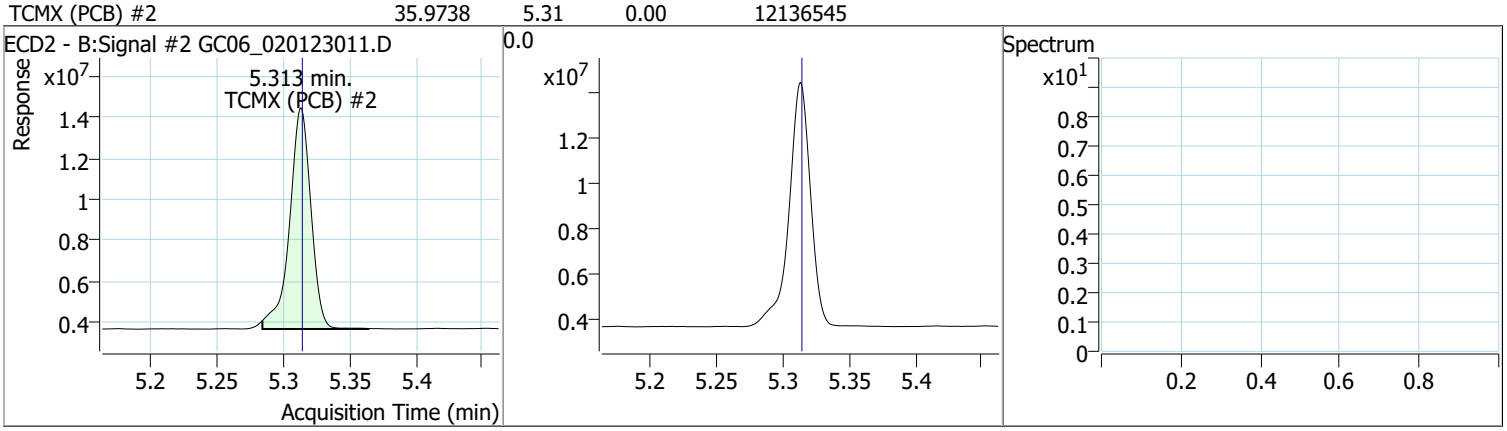
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.9025	4.92	0.00	2358400				



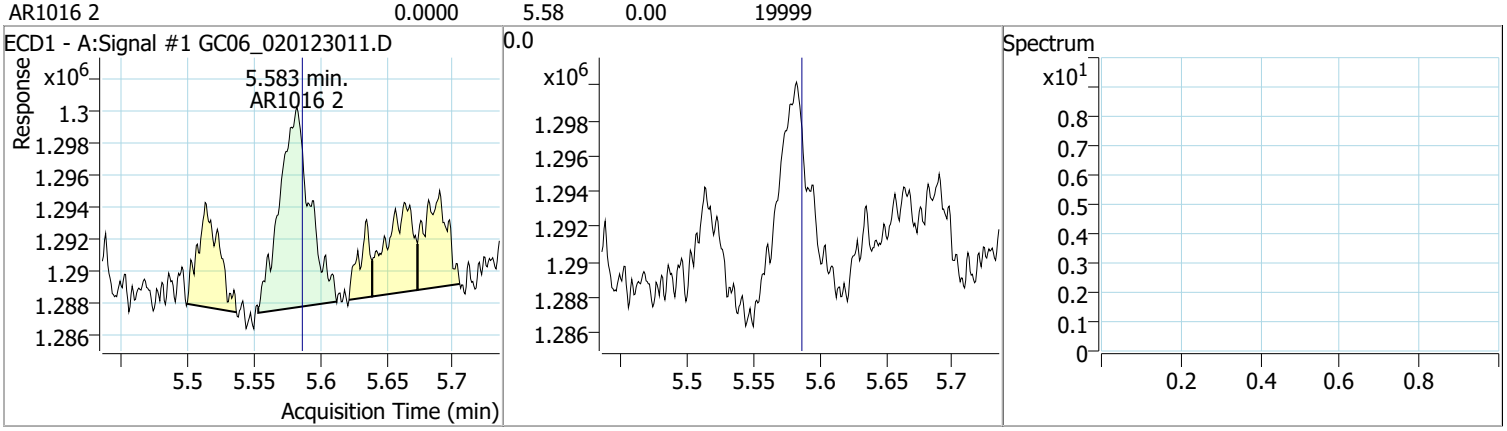
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	78.6217	5.29	0.03	125796				



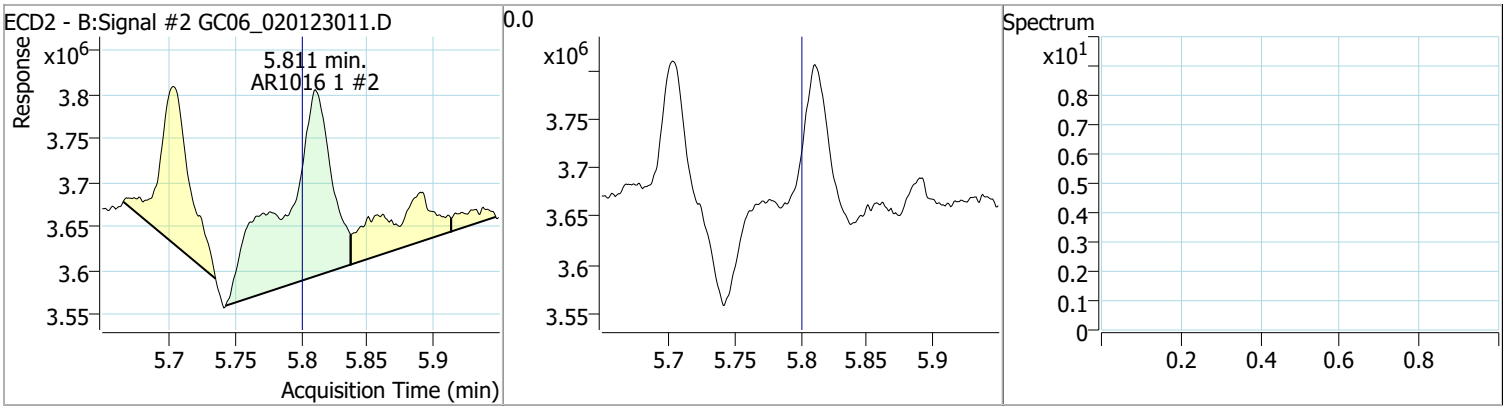
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.9738	5.31	0.00	12136545				



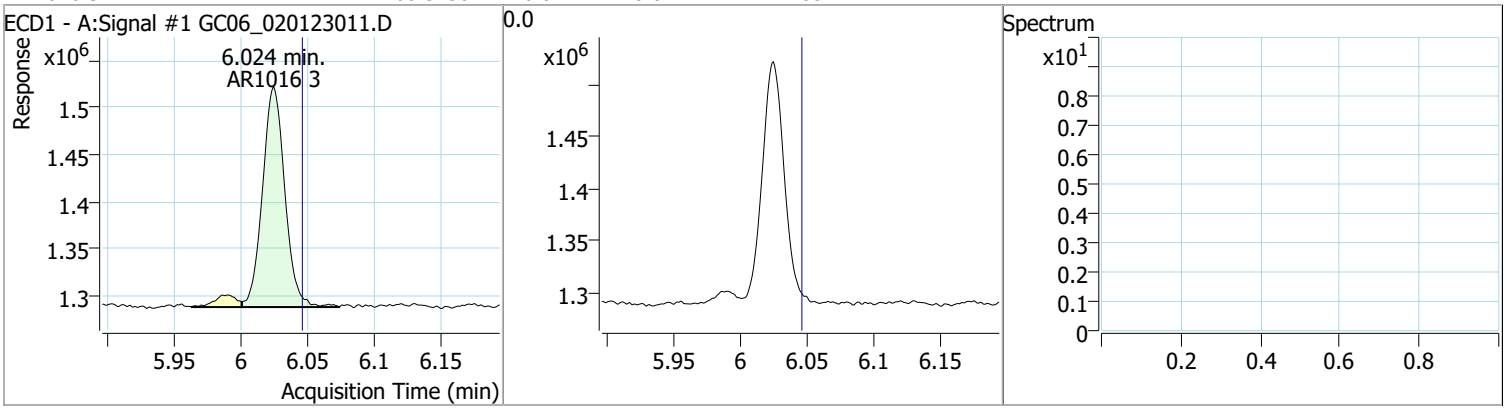
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	0.00	19999				



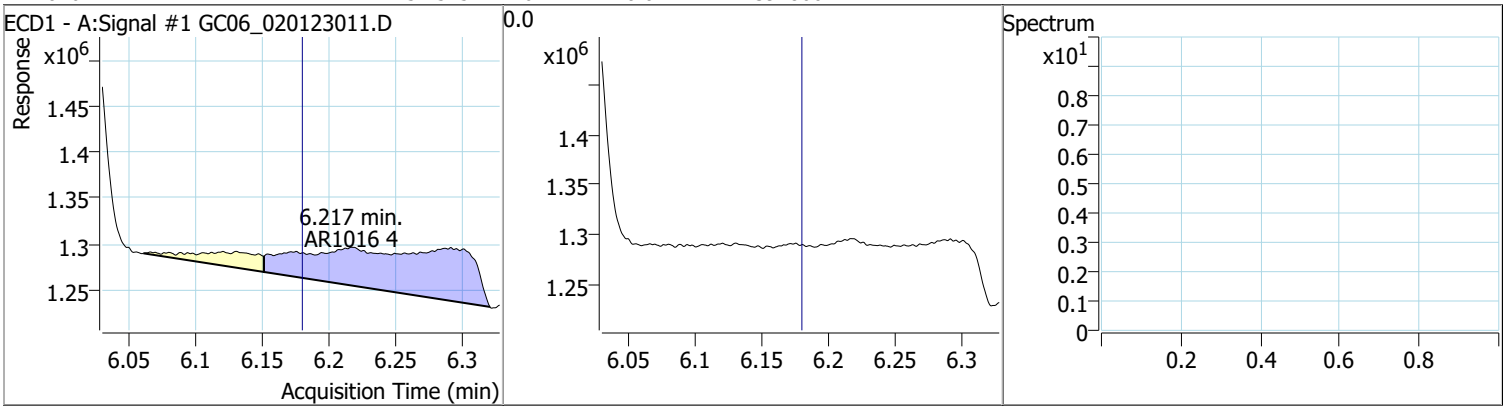
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	70.1765	5.81	0.01	540795				



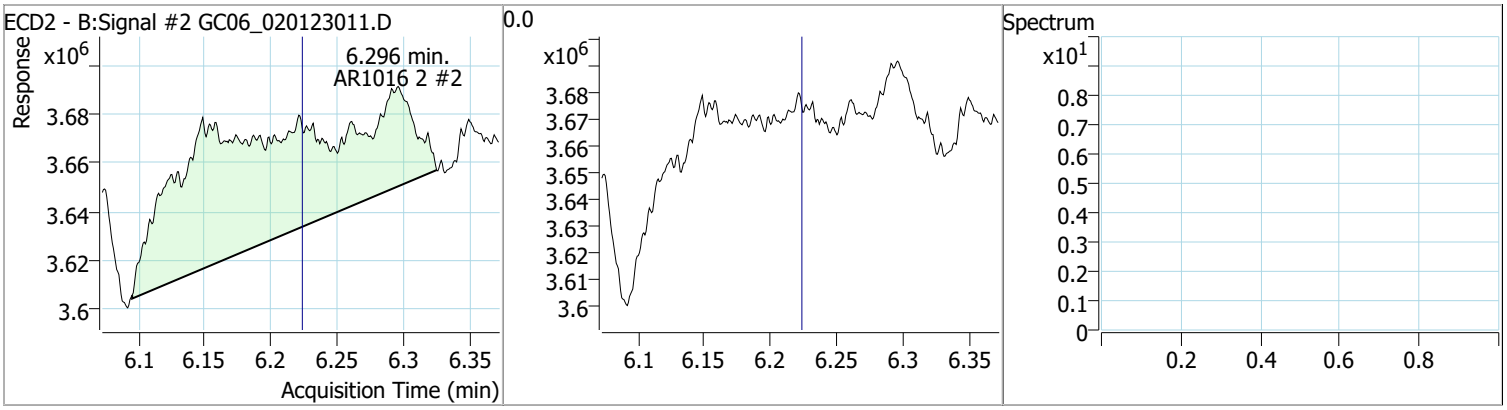
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	68.5158	6.02	-0.02	274485				



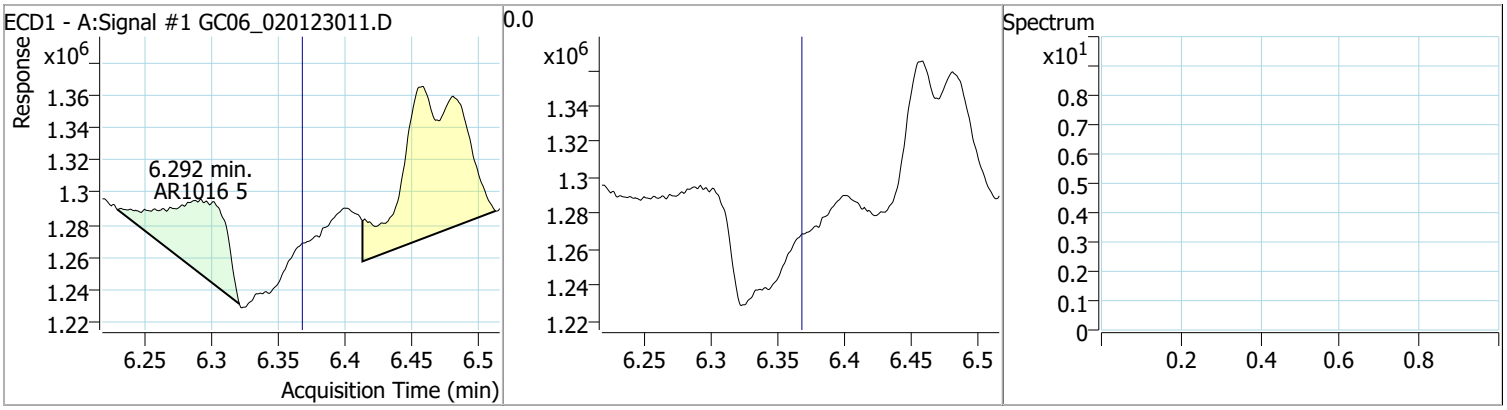
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	154.5251	6.22	0.04	394866				



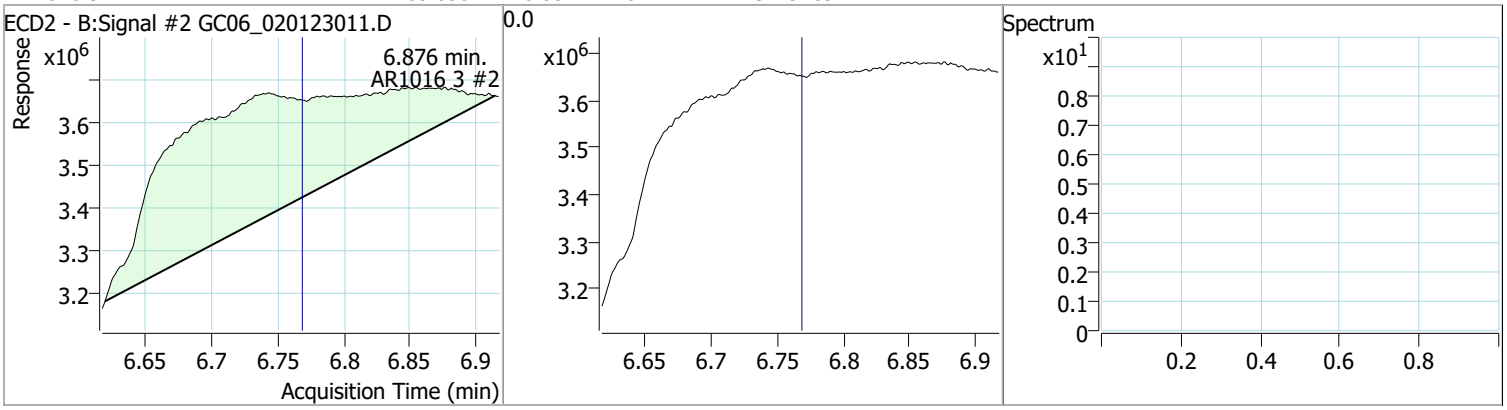
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	44.6897	6.30	0.07	496632				



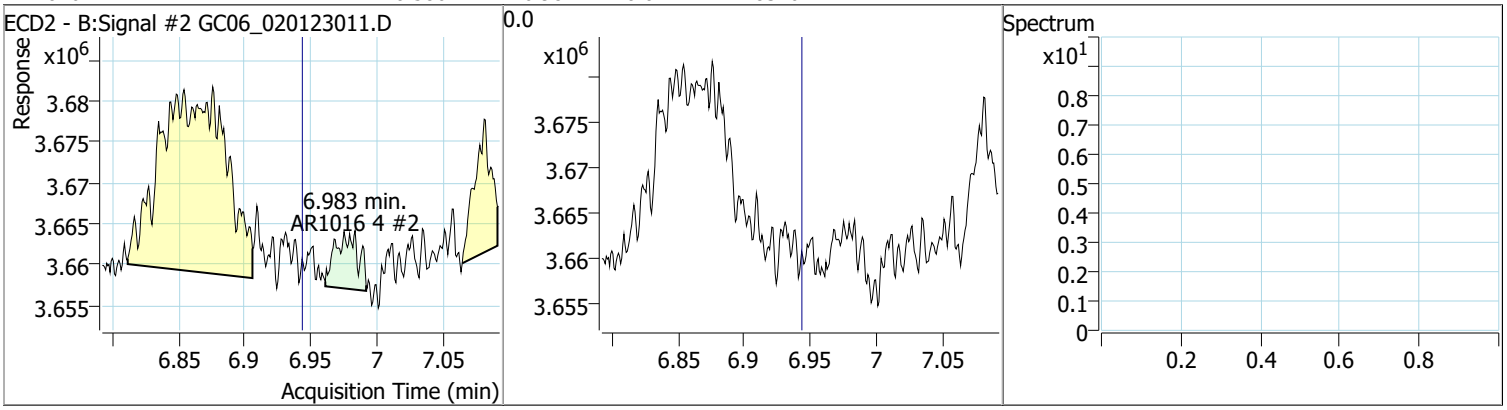
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	85.9721	6.29	-0.08	144241				



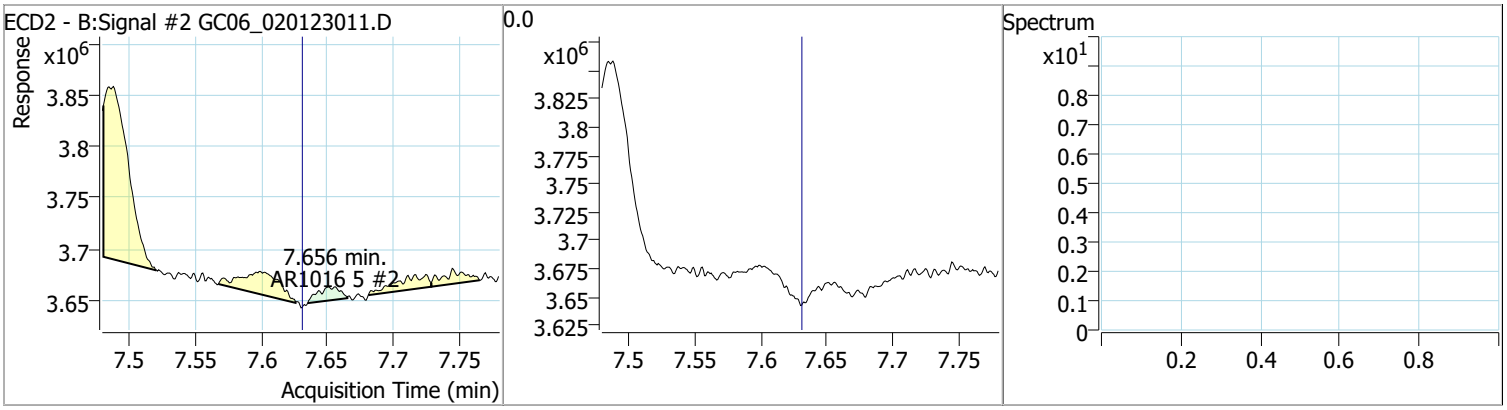
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	165.0581	6.88	0.11	3229409				



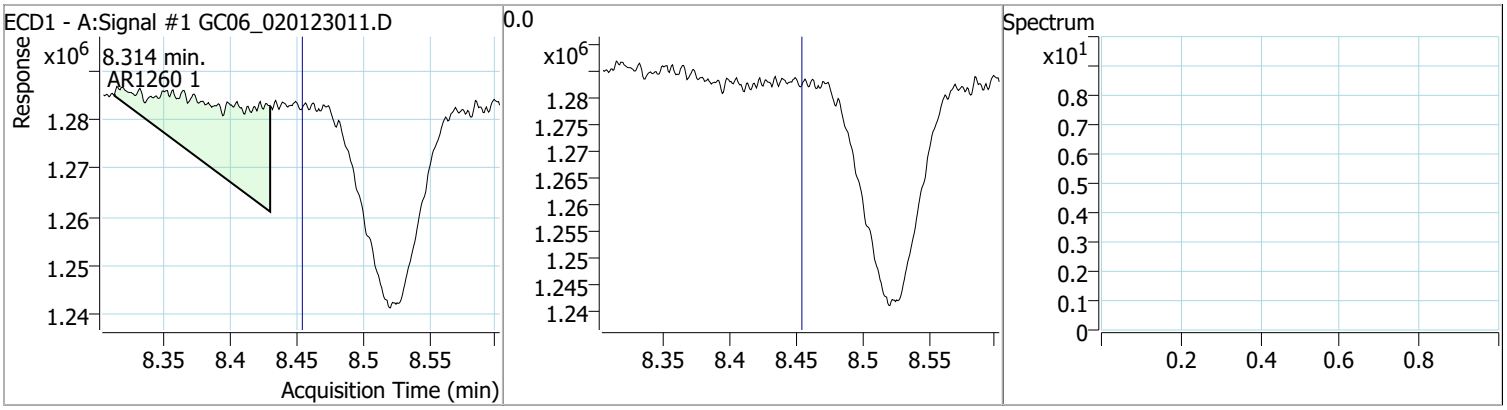
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.5867	6.98	0.04	8376				



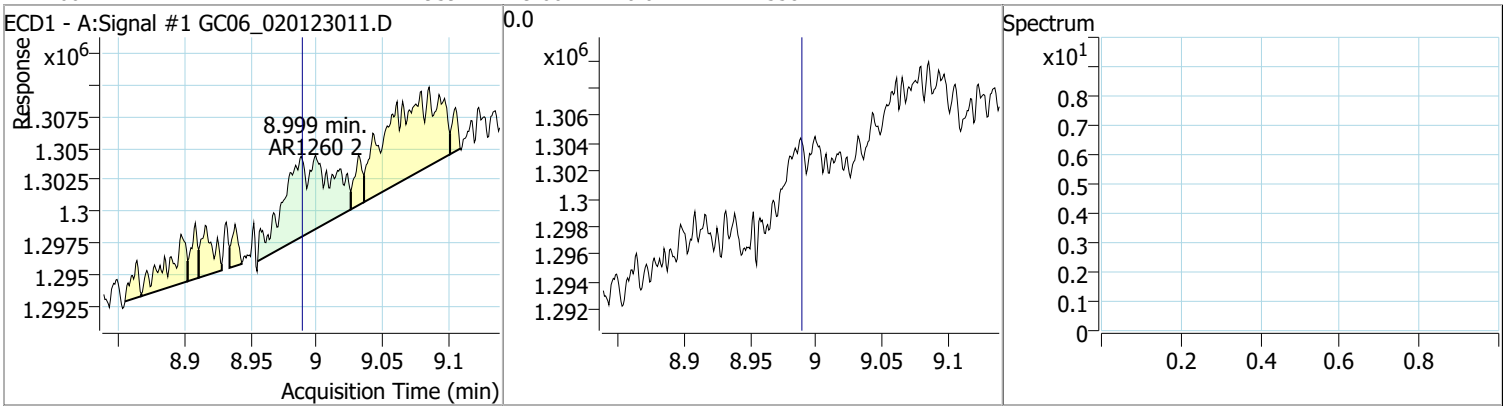
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.3382	7.66	0.03	15315				



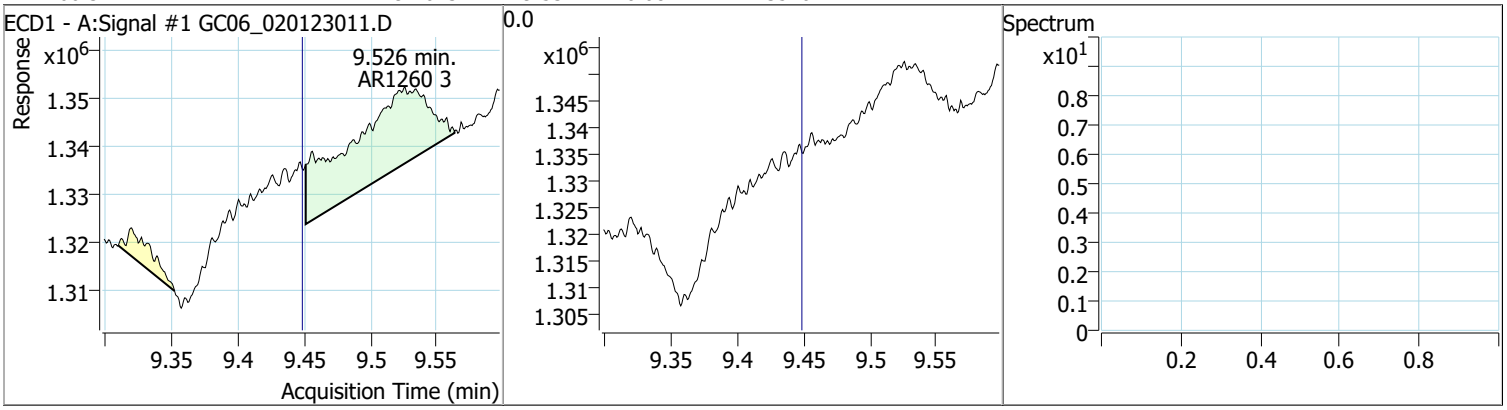
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	15.1588	8.31	-0.14	78779				



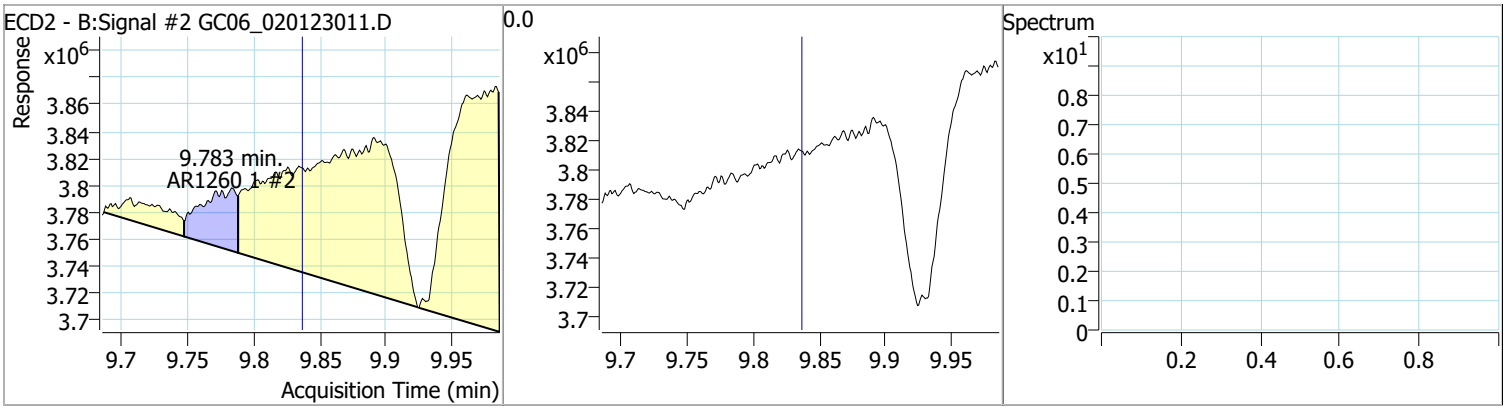
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.1959	9.00	0.01	15581				



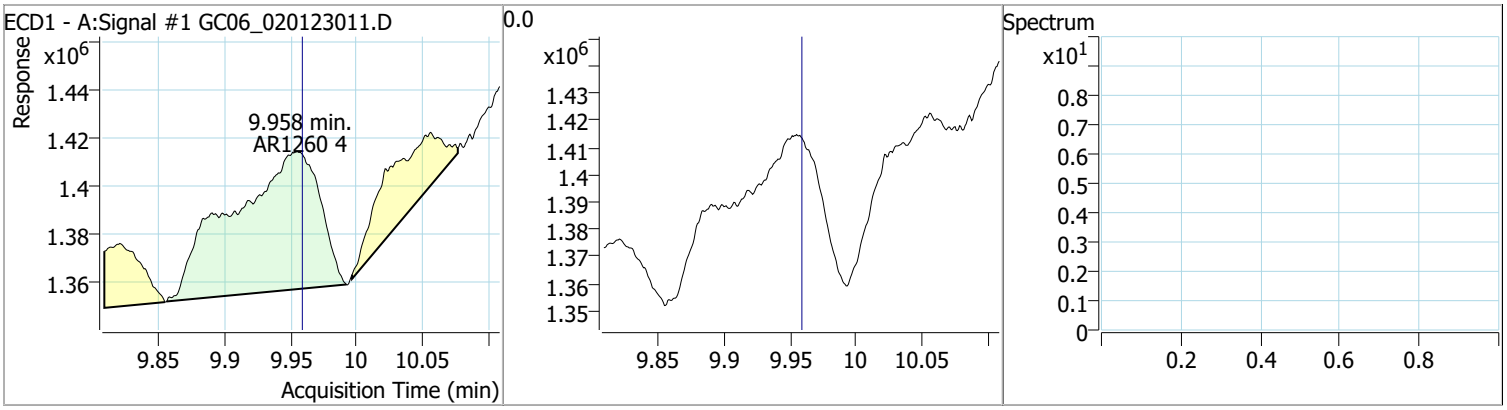
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.1043	9.53	0.08	73540				



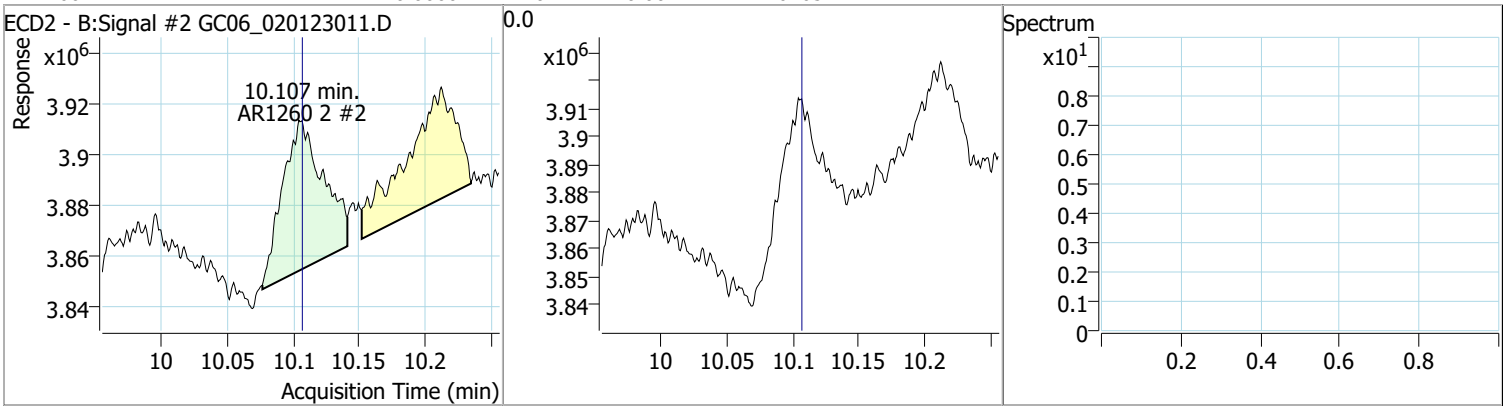
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.6875	9.78	-0.05	80244				



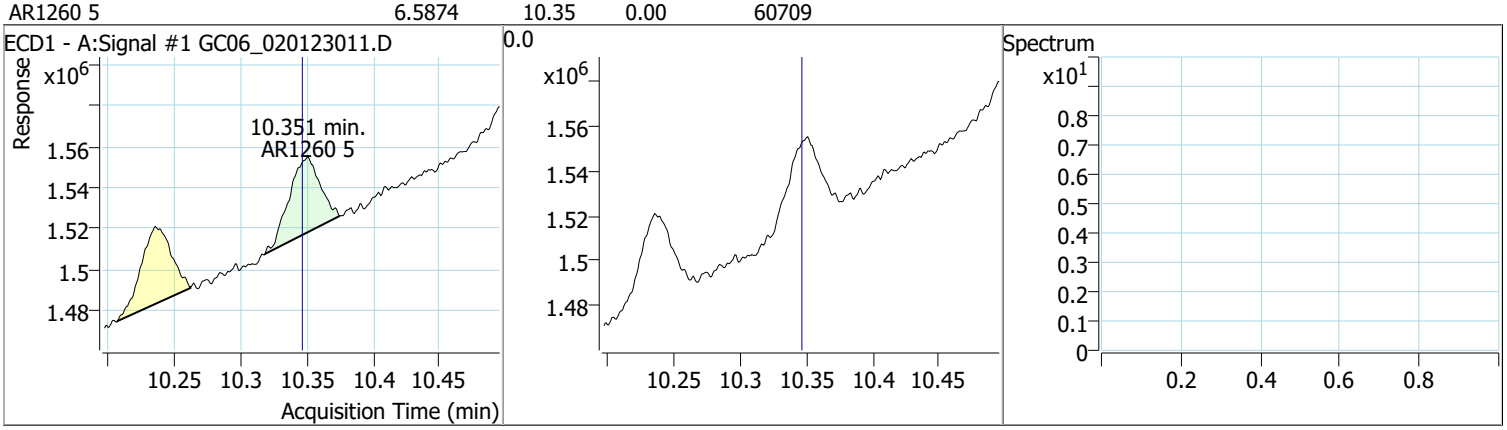
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	62.9156	9.96	0.00	267564				



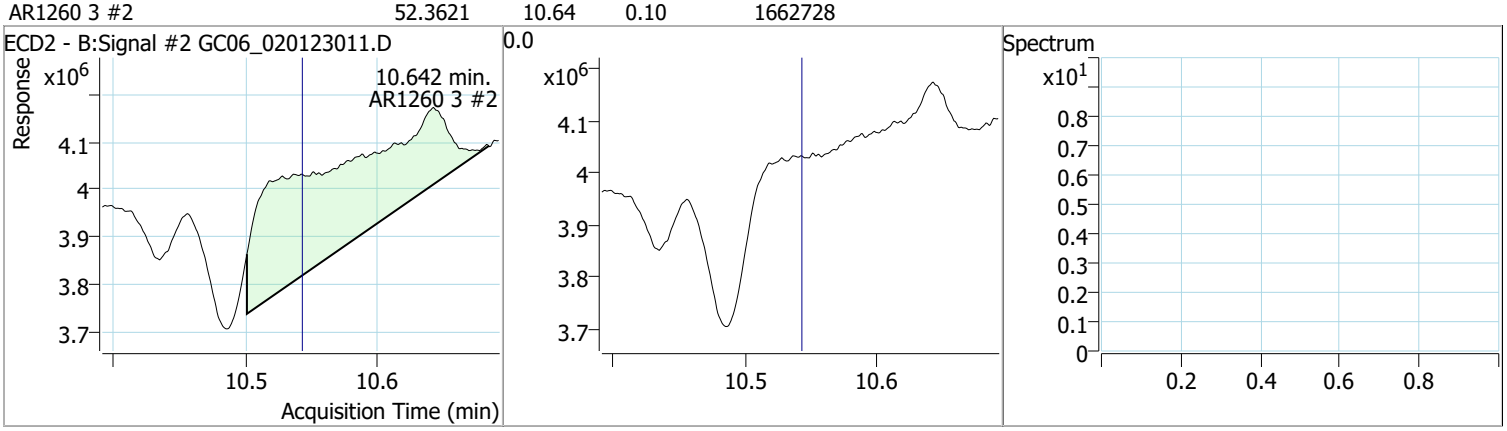
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.11	0.00	126165				



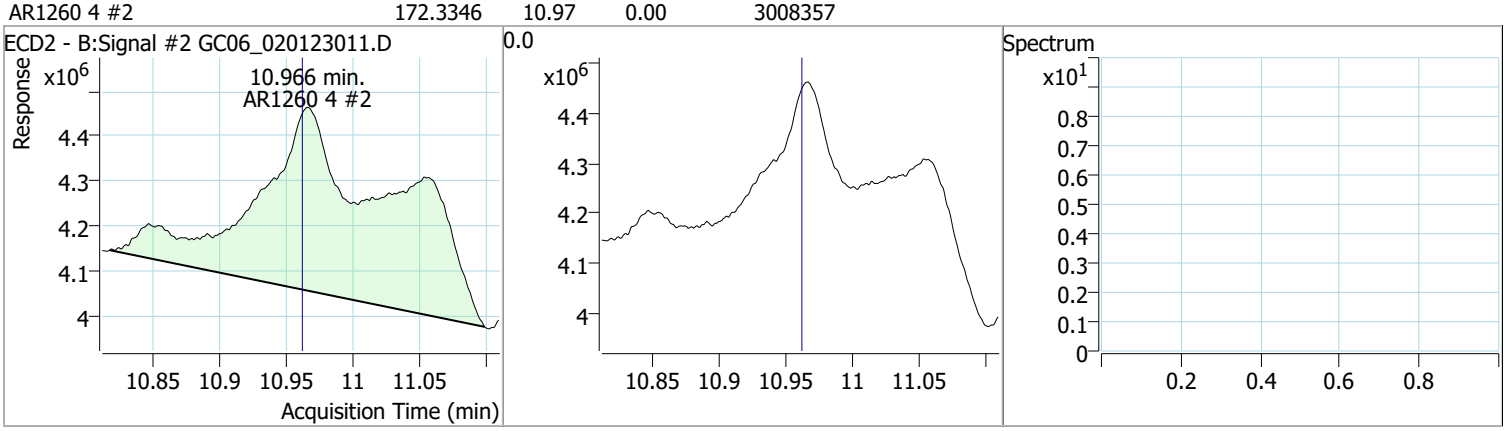
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.5874	10.35	0.00	60709				



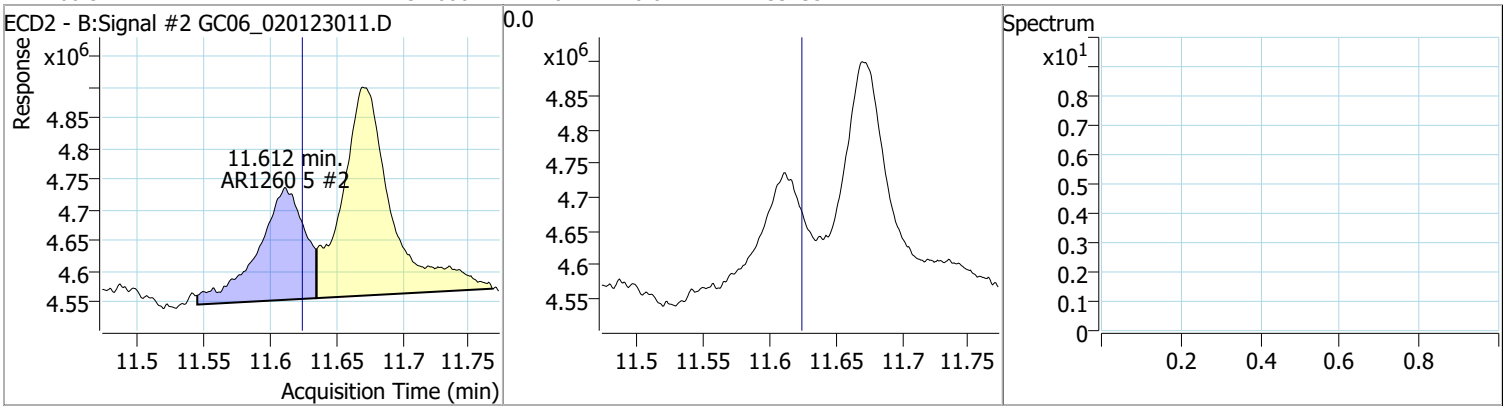
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	52.3621	10.64	0.10	1662728				



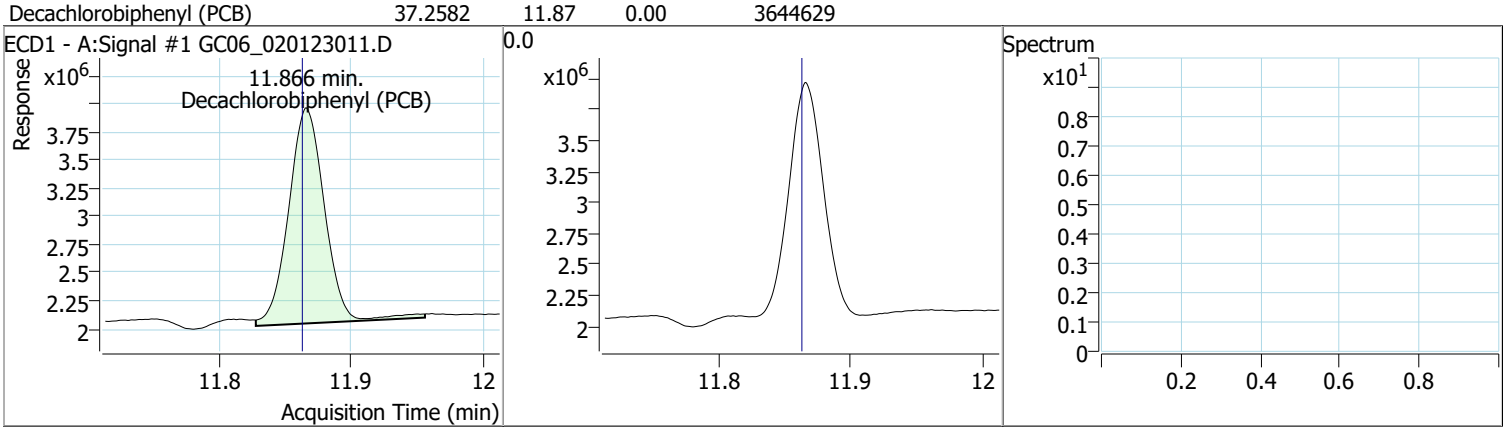
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	172.3346	10.97	0.00	3008357				



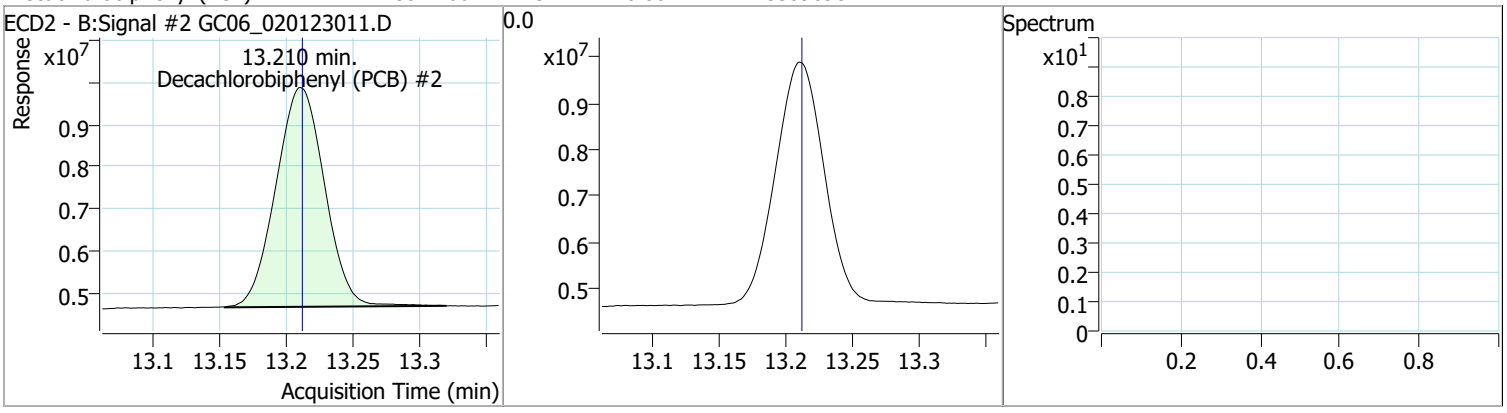
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.7606	11.61	-0.01	453235				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.2582	11.87	0.00	3644629				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.2760	13.21	0.00	13359098				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-004	Client ID:	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P-WF
Seqnum:	453046656012	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123012	Batch:	306459	Time:	01-FEB-2023 13:22
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	56.54	~~0.57~~ ~~FP~~	0.38	38%	0.50		x u
Aroclor-1016 Peak # 1	B	66.19	0.66	0.70	5%			
Aroclor-1016 Peak # 2	B	55.68	0.56	ND	232%			
Aroclor-1016 Peak # 3	B	158.6	1.59	0.43	115%			
Aroclor-1016 Peak # 4	B	0.3446	0.00	0.02	143%			
Aroclor-1016 Peak # 5	B	1.915	0.02	0.81	191%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	31.63	ND	0.18	57%	0.50		u
Aroclor-1260 Peak # 1	B	31.31	0.31	0.06	137%			
Aroclor-1260 Peak # 2	B	-7.825	ND	0.02	-303%			
Aroclor-1260 Peak # 3	B	39.53	0.40	0.07	137%			
Aroclor-1260 Peak # 4	B	82.15	0.82	0.64	25%			
Aroclor-1260 Peak # 5	B	12.97	0.13	0.09	39%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.57	0.5000	0.3857	77	19-121	u
Decachlorobiphenyl (PCB)	B	38.00	0.5000	0.3800	76	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	7050117	3.53
1-bromo-2-nitrobenzene (PCB)	A	1458049	1442234	-1.08

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

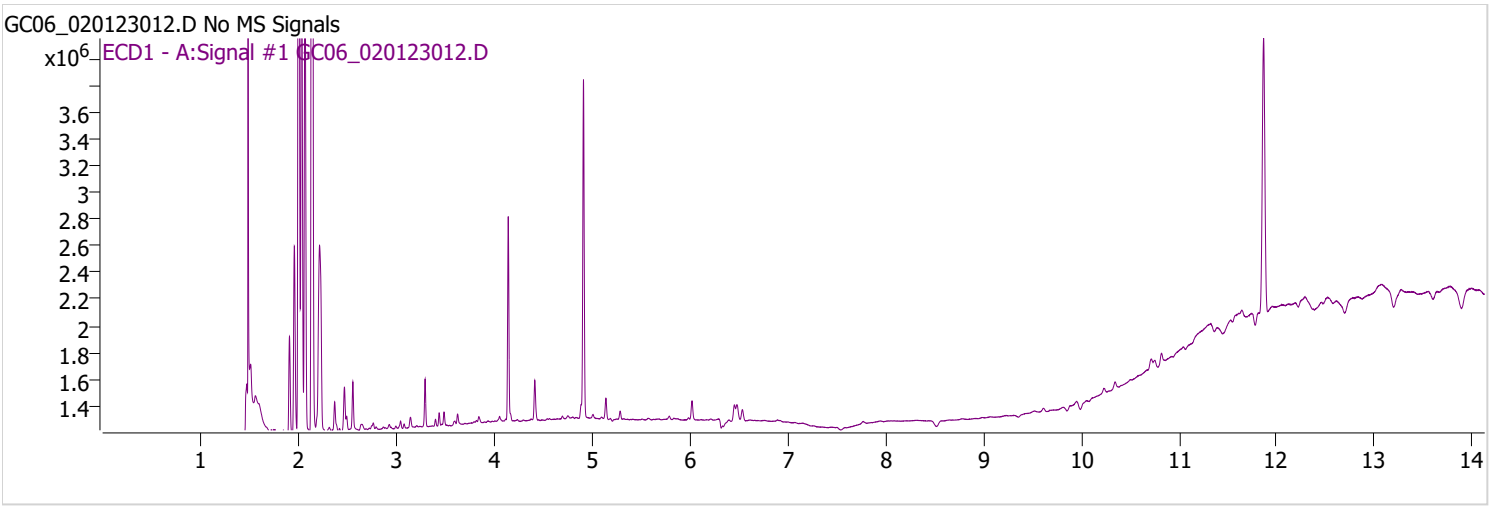
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

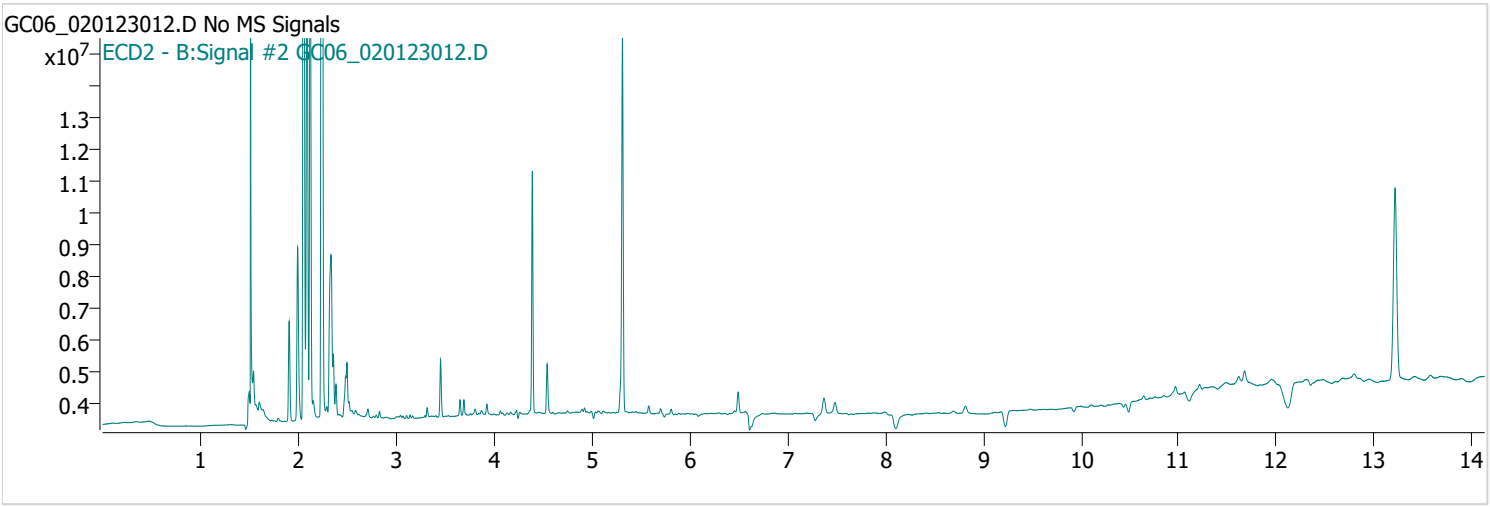
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 1:22:12 PM
Sample Name	478371-004, 306459, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



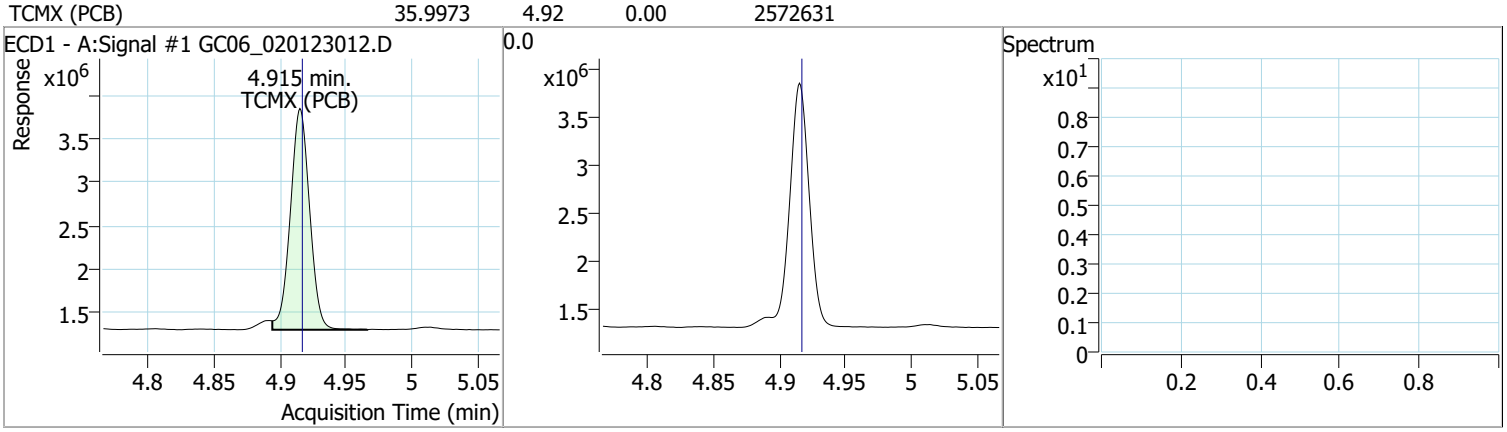


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.147	0.0	1442234.295	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	7050116.936	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.915	0.0	2572630.742	35.9973	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.99%		*	
S TCMX (PCB) #2	5.313	0.0	13149539.049	38.5684	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.84%		*	
S Decachlorobiphenyl (PCB)	11.866	0.0	4048627.599	40.2860	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.43%		*	
S Decachlorobiphenyl (PCB) #2	13.210	0.0	14542537.025	37.9991	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.00%		*	
Target Compounds							QValue

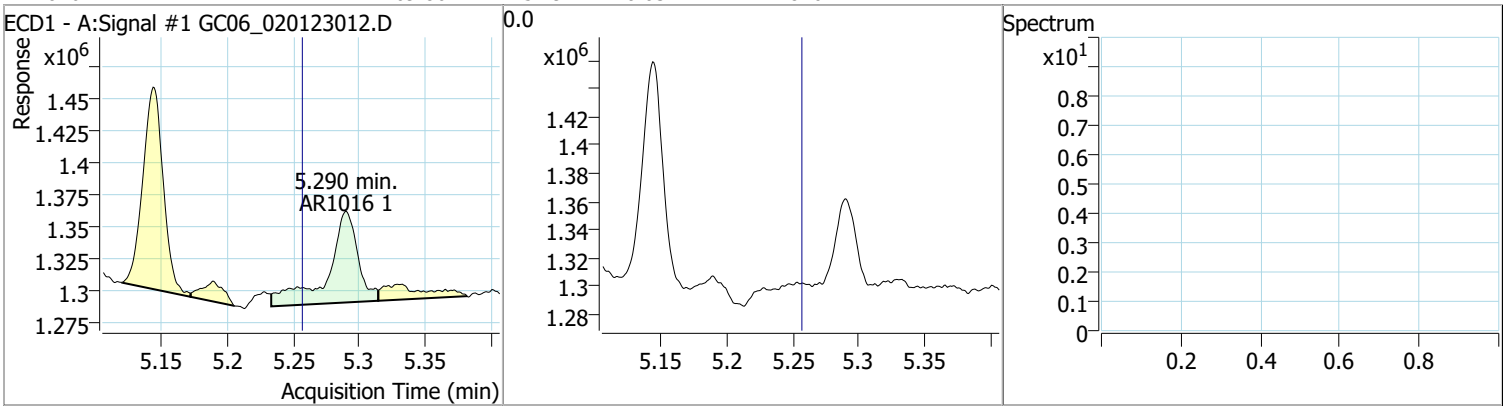
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.290	0.0	114846.479	69.8671	ng/ml	100
T AR1016 2	5.581	0.0	19473.083	0.0000	ng/ml	100
T AR1016 1 #2	5.812	0.0	515454.245	66.1880	ng/ml	100
T AR1016 3	6.024	0.0	177215.331	43.0578	ng/ml	100
T AR1016 4	6.171	0.0	5482.841	2.0885	ng/ml	100
T AR1016 2 #2	6.294	0.0	625268.791	55.6762	ng/ml	100
T AR1016 5	6.297	0.0	139486.074	80.9241	ng/ml	100
T AR1016 3 #2	6.877	0.0	3135069.973	158.5591	ng/ml	100
T AR1016 4 #2	6.948	0.0	4972.559	0.3446	ng/ml	100
T AR1016 5 #2	7.650	0.0	22148.011	1.9151	ng/ml	100
T AR1260 1	8.569	0.0	31242.690	5.8517	ng/ml	100
T AR1260 2	8.991	0.0	11718.313	1.6076	ng/ml	100
T AR1260 3	9.525	0.0	61779.653	7.4447	ng/ml	100
T AR1260 1 #2	9.893	0.0	688525.334	31.3095	ng/ml	100
T AR1260 4	9.957	0.0	280293.467	64.1537	ng/ml	100
T AR1260 2 #2	10.107	0.0	148252.324	0.0000	ng/ml	100
T AR1260 5	10.348	0.0	82425.888	8.7057	ng/ml	100
T AR1260 3 #2	10.643	0.0	1268414.810	39.5264	ng/ml	100
T AR1260 4 #2	10.964	0.0	1449247.245	82.1515	ng/ml	100
T AR1260 5 #2	11.671	0.0	377028.744	12.9734	ng/ml	100

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

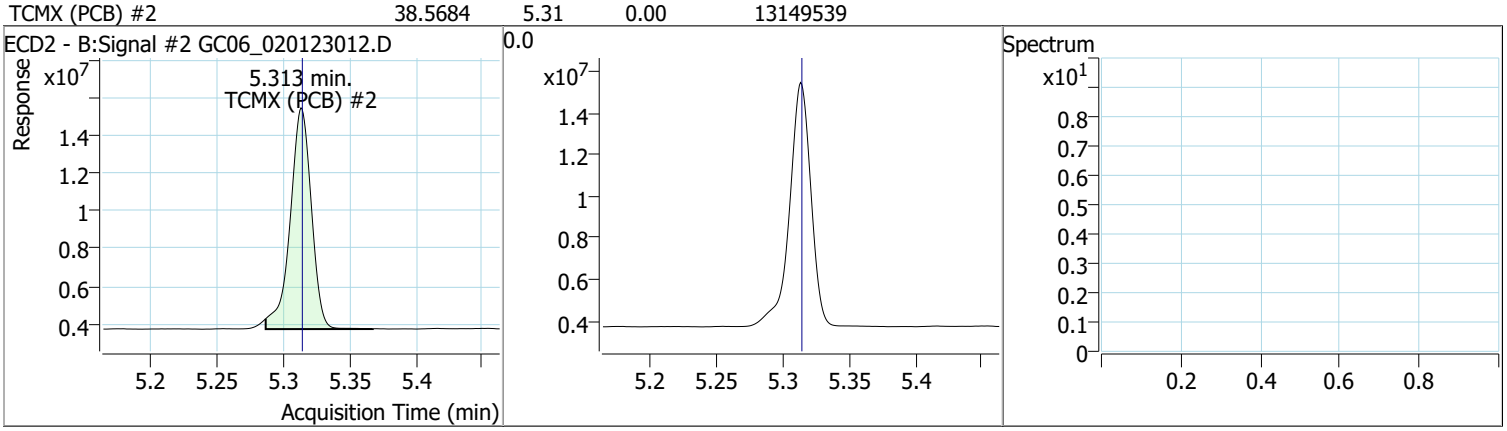
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.9973	4.92	0.00	2572631				



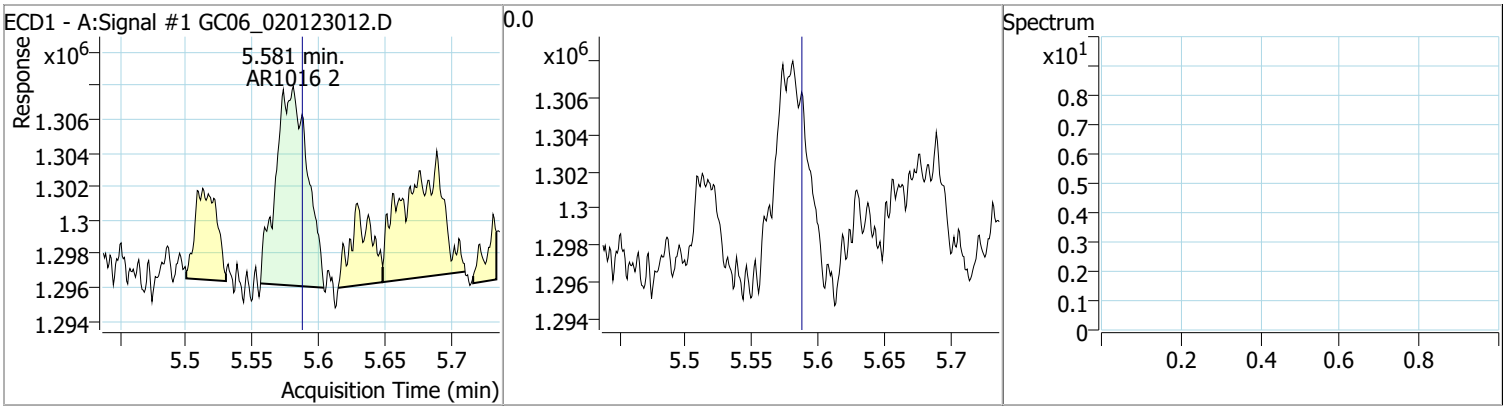
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	69.8671	5.29	0.03	114846				



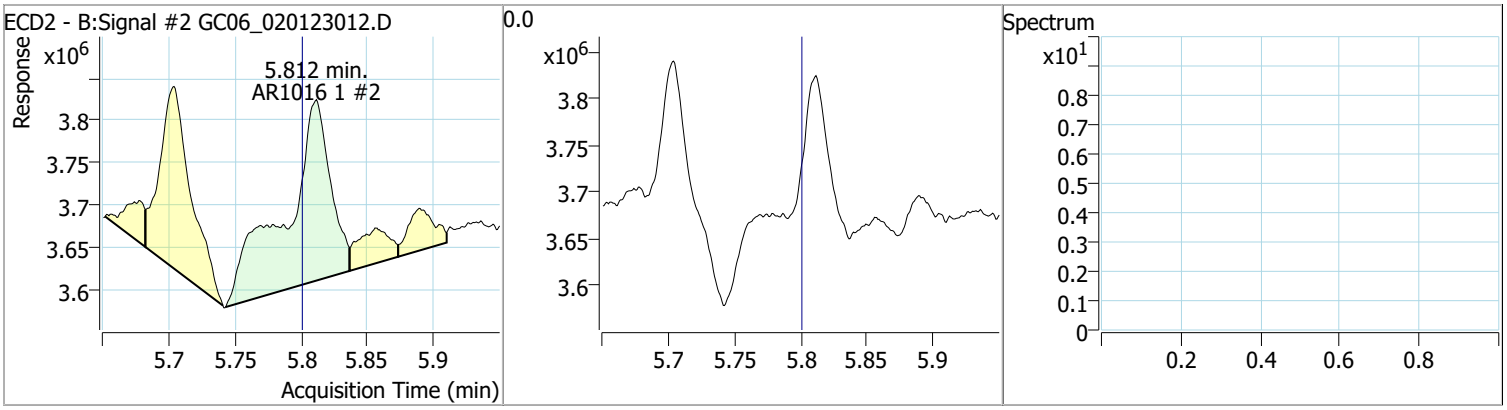
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.5684	5.31	0.00	13149539				



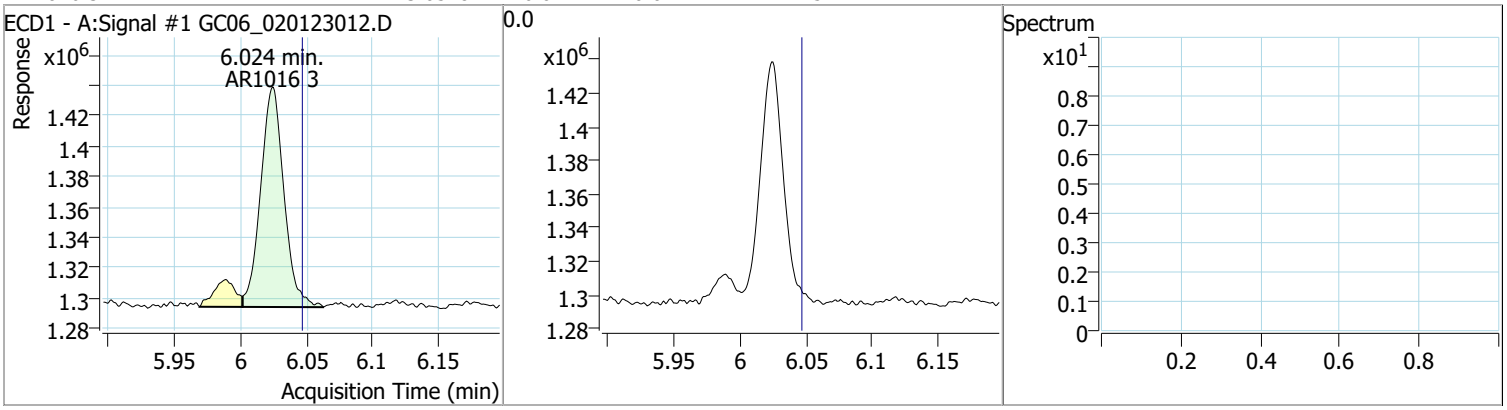
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	-0.01	19473				



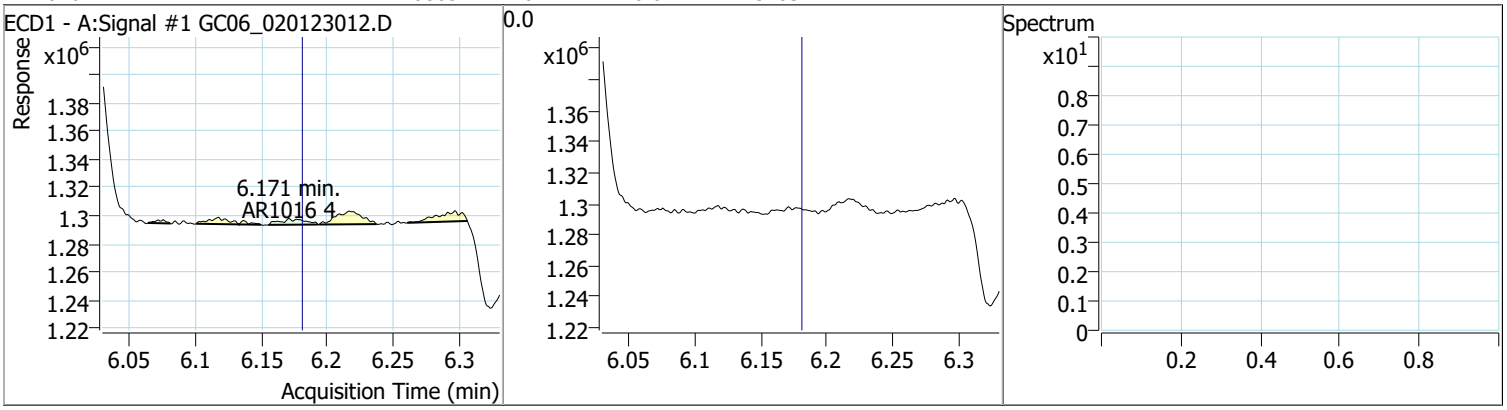
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	66.1880	5.81	0.01	515454				



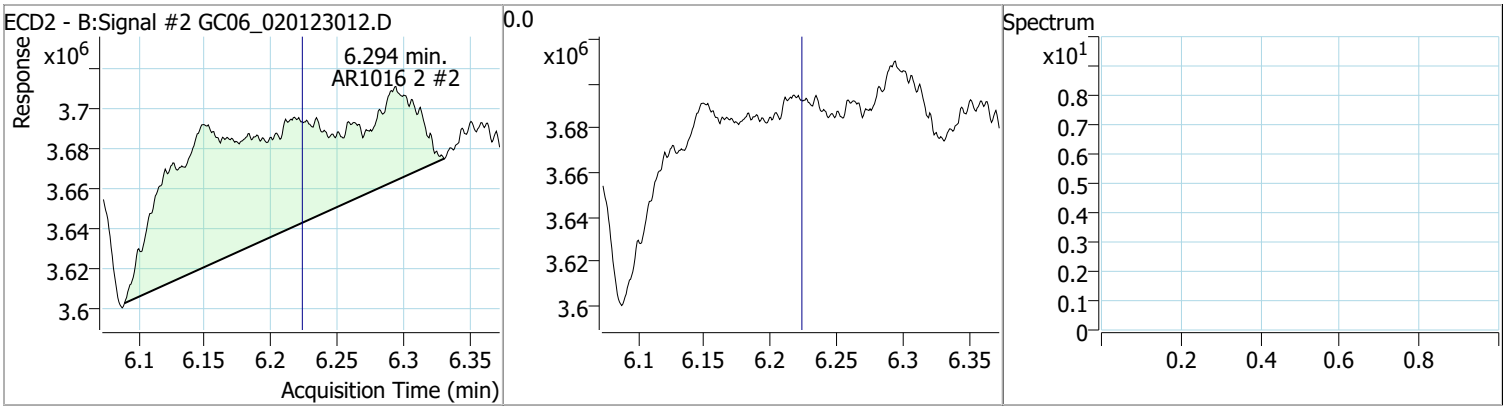
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	43.0578	6.02	-0.02	177215				



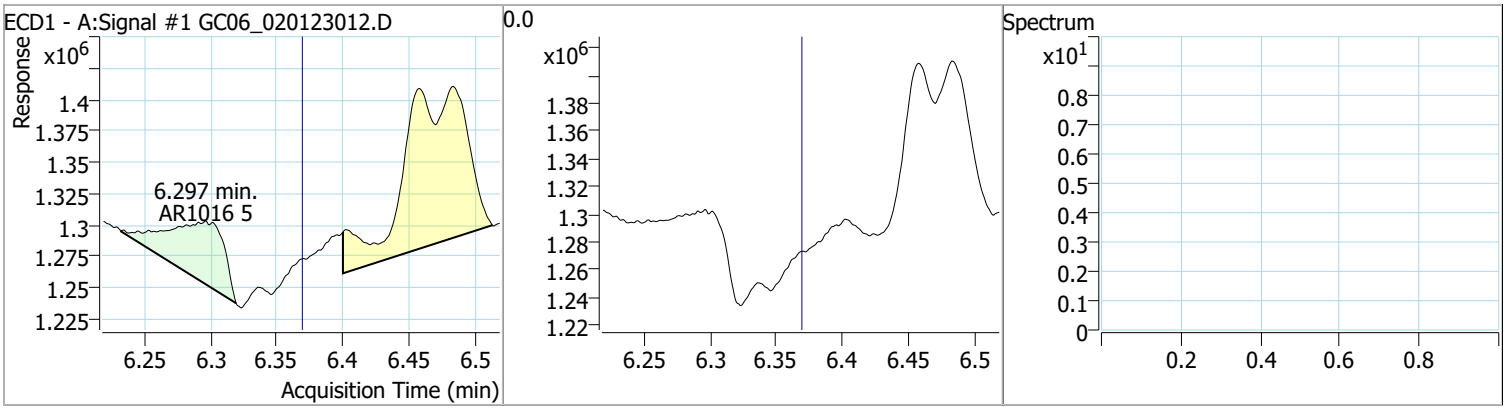
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.0885	6.17	-0.01	5483				



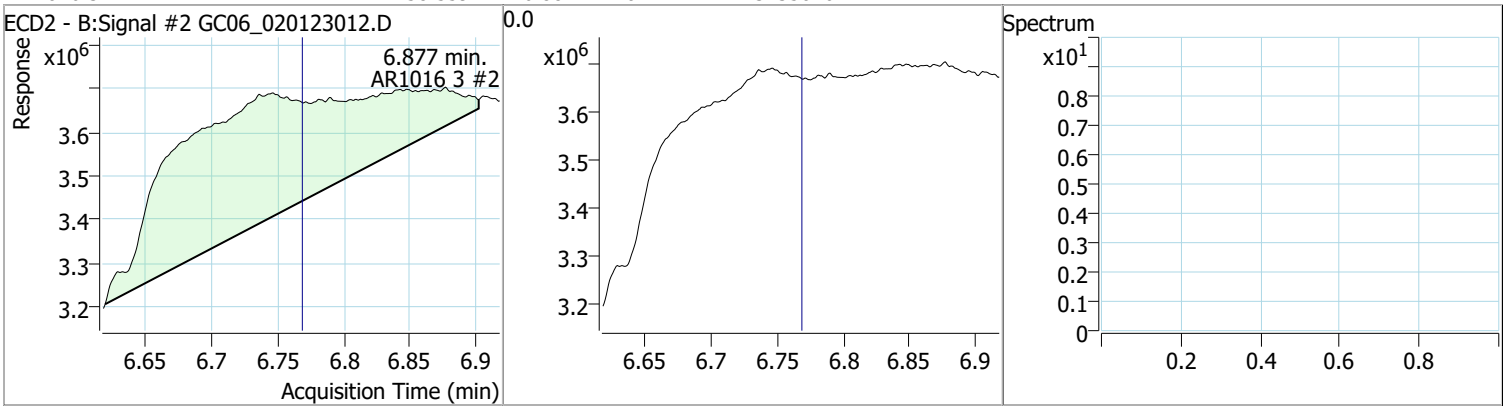
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	55.6762	6.29	0.07	625269				



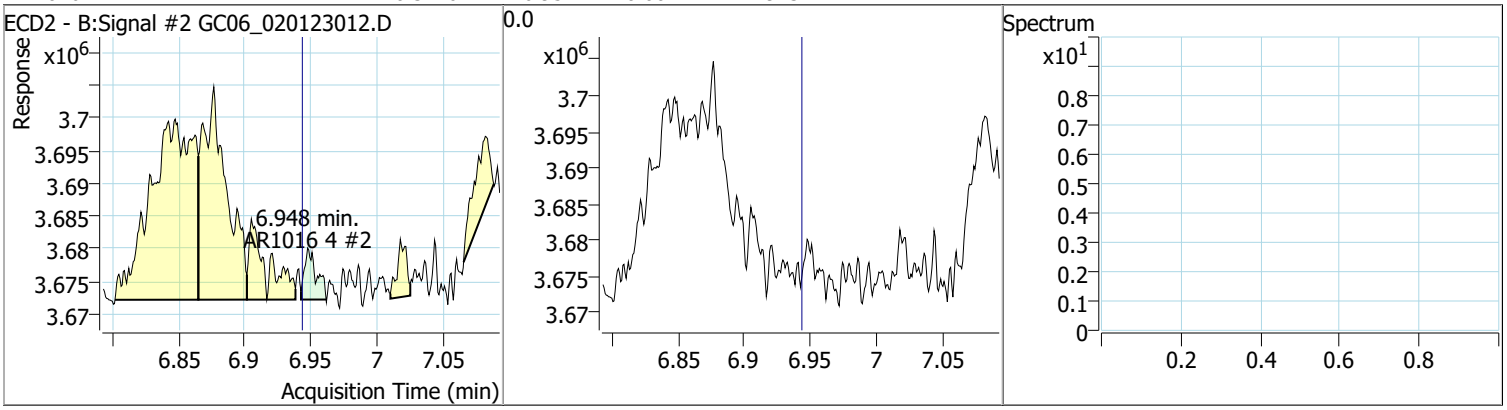
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	80.9241	6.30	-0.07	139486				



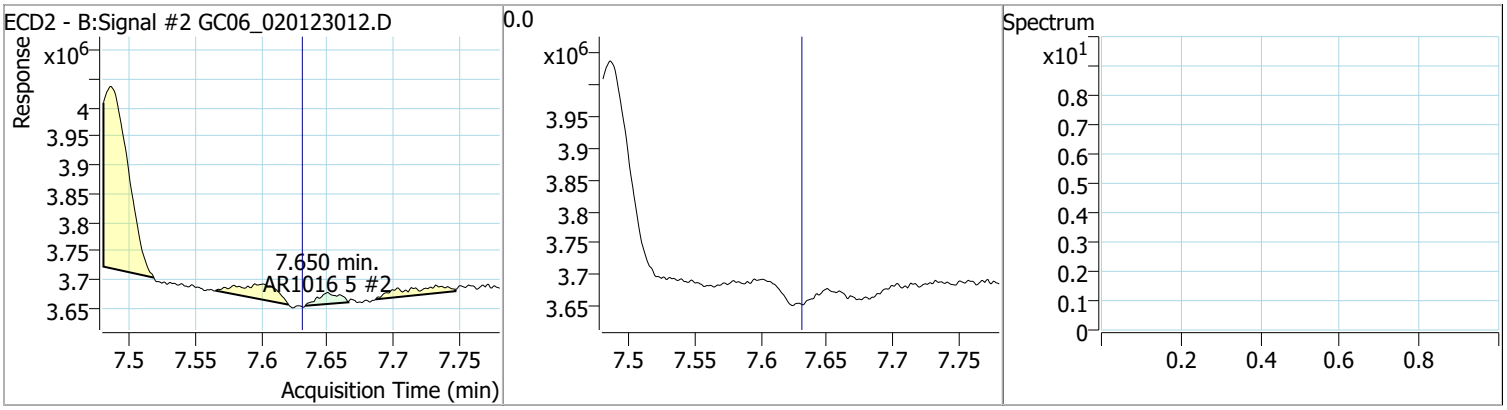
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	158.5591	6.88	0.11	3135070				



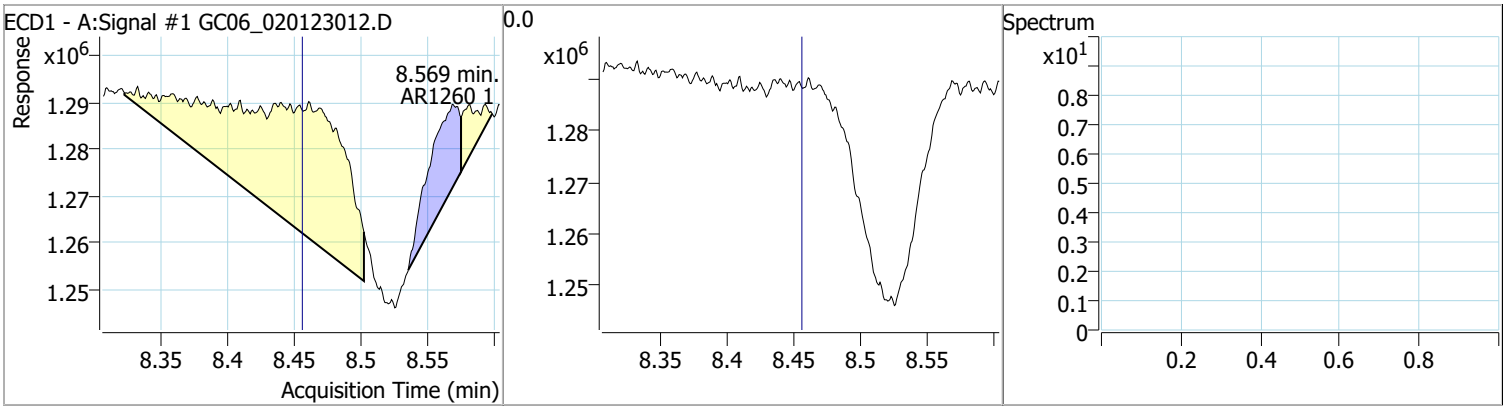
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3446	6.95	0.00	4973				



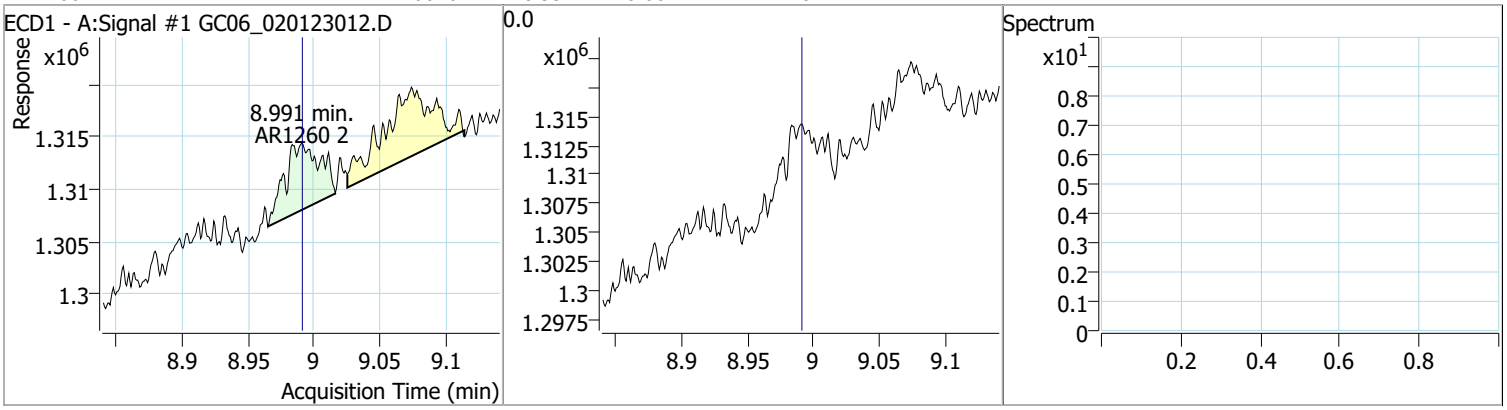
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.9151	7.65	0.02	22148				



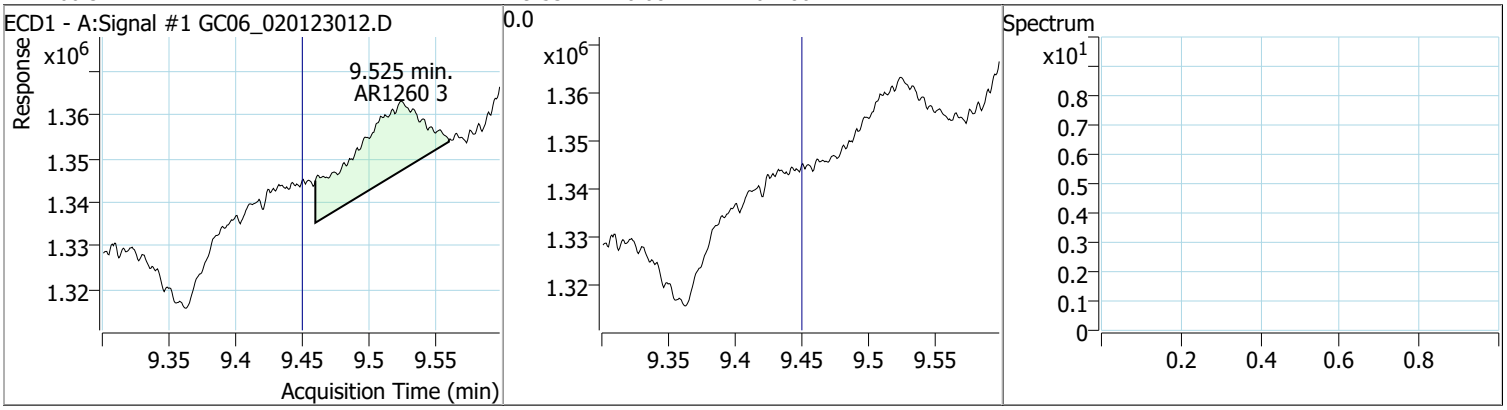
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	5.8517	8.57	0.11	31243				



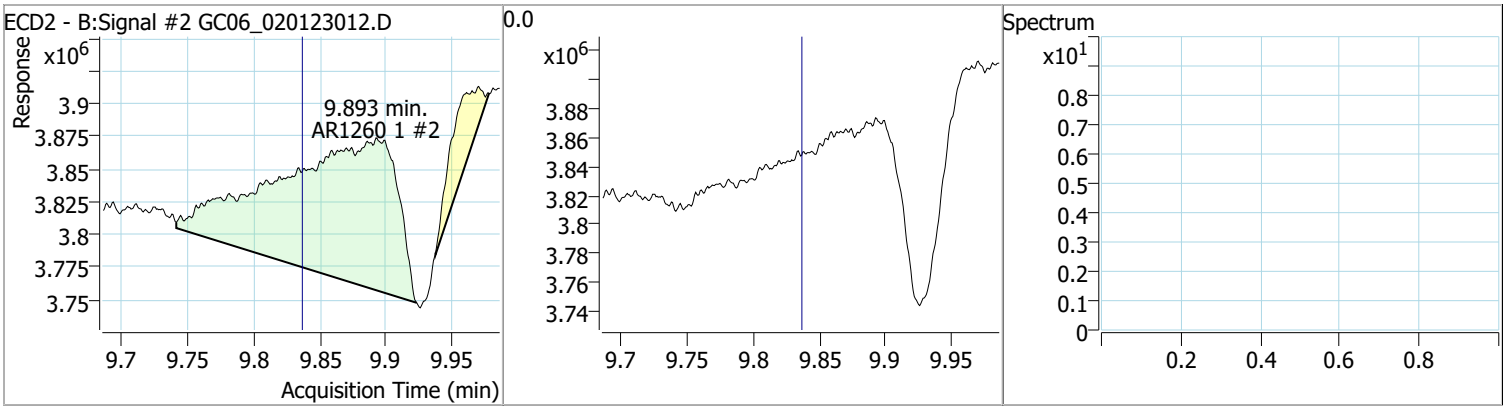
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.6076	8.99	0.00	11718				



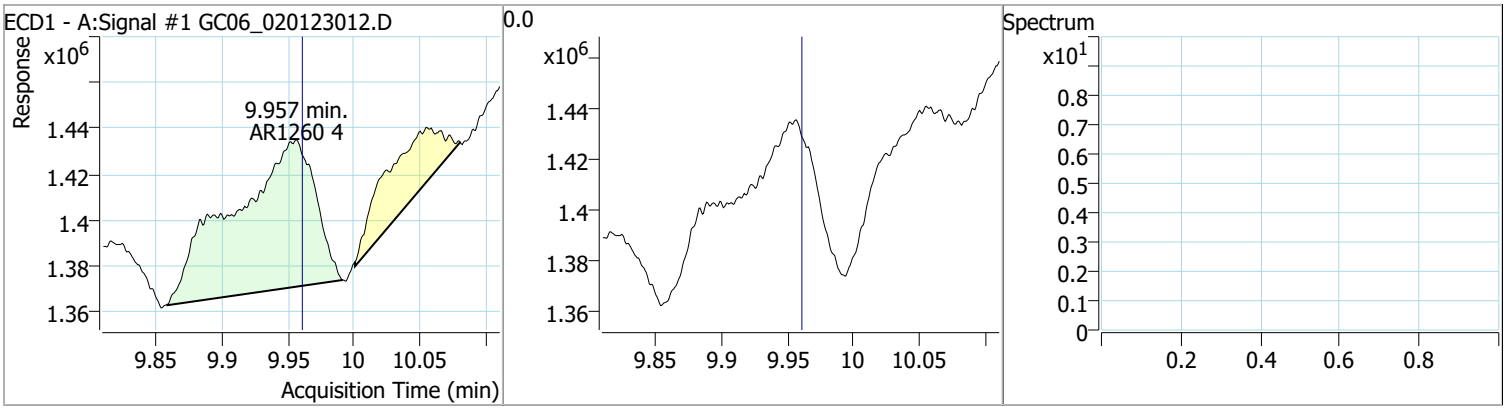
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.4447	9.53	0.08	61780				



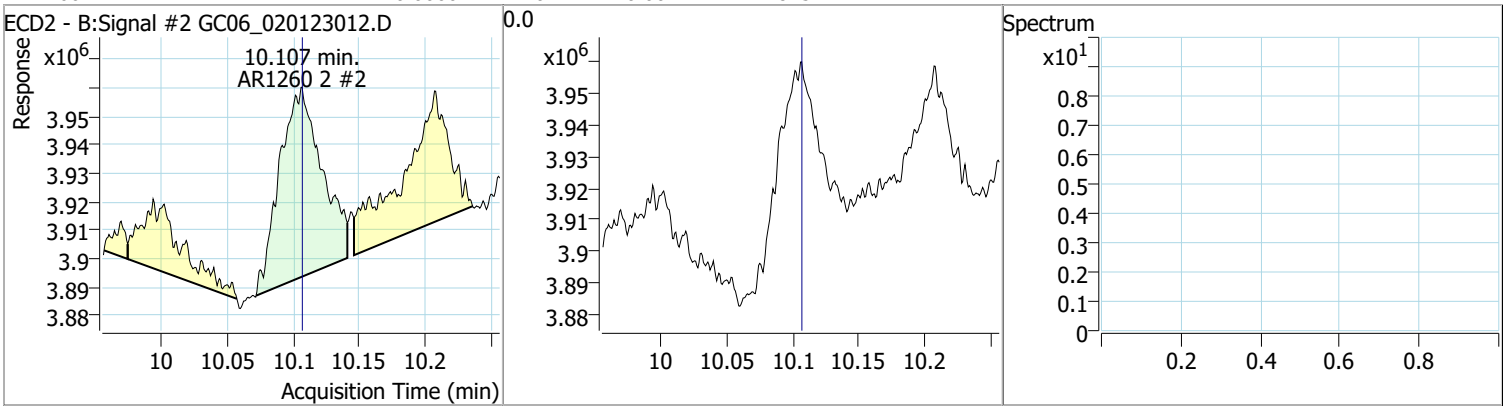
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	31.3095	9.89	0.06	688525				



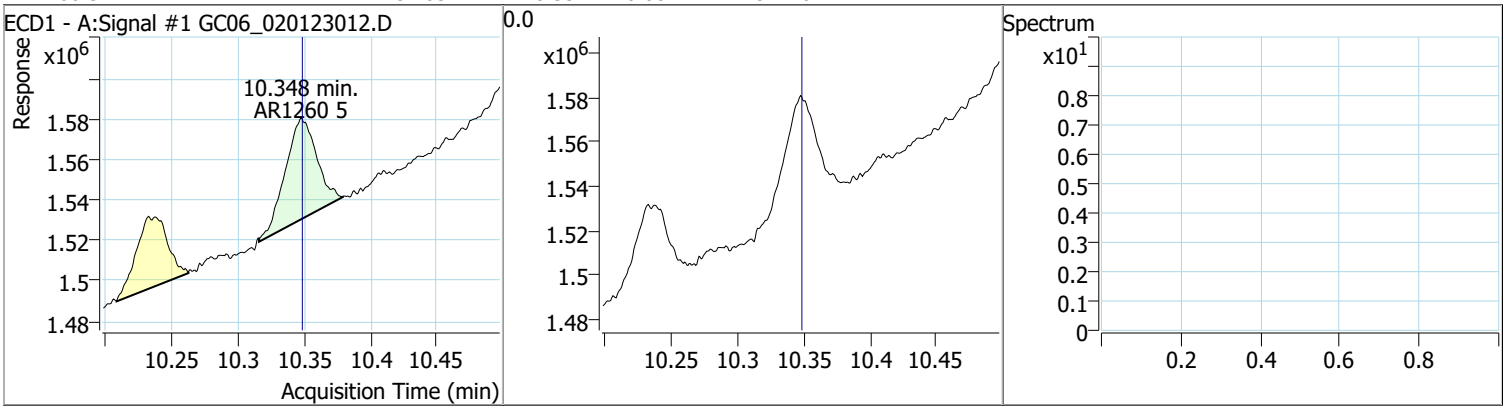
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	64.1537	9.96	0.00	280293				



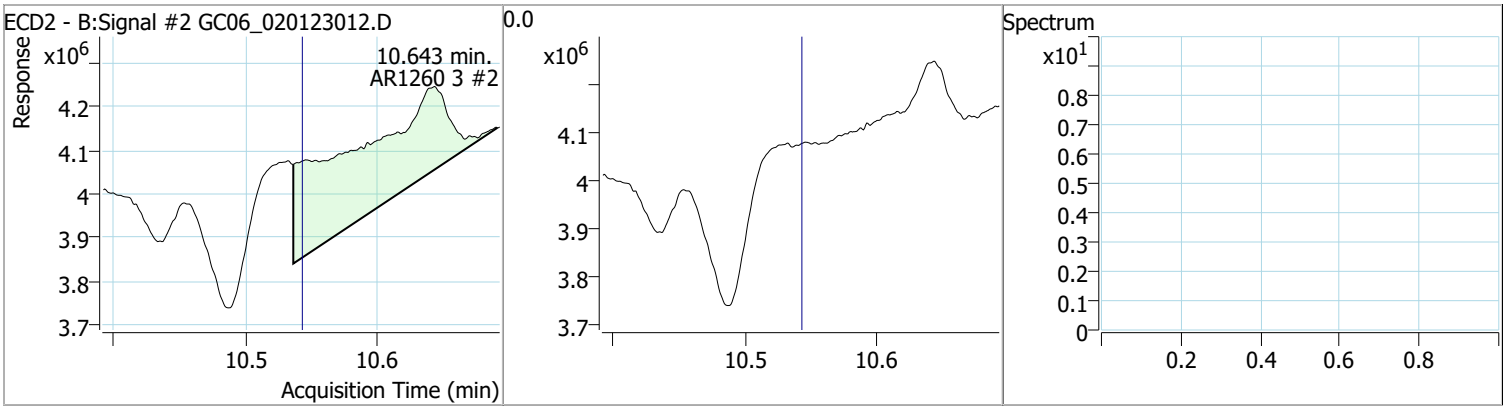
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.11	0.00	148252				



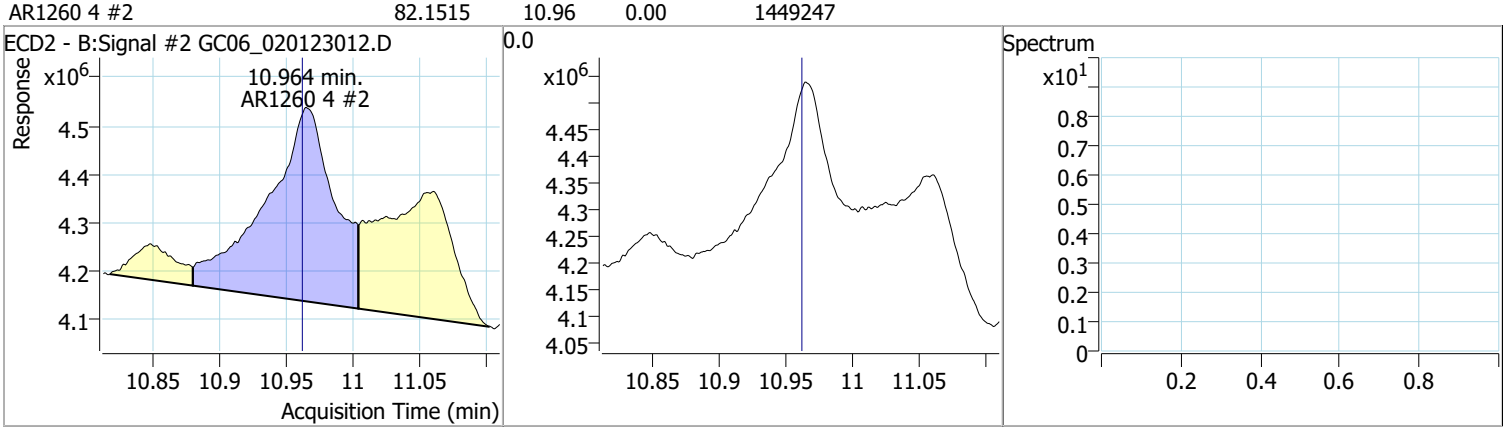
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	8.7057	10.35	0.00	82426				



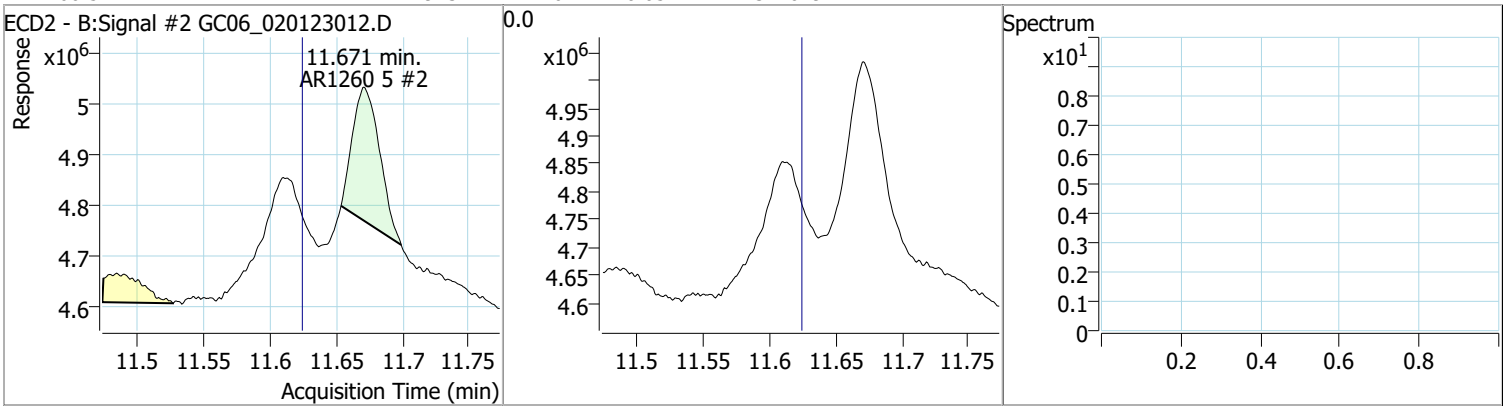
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	39.5264	10.64	0.10	1268415				



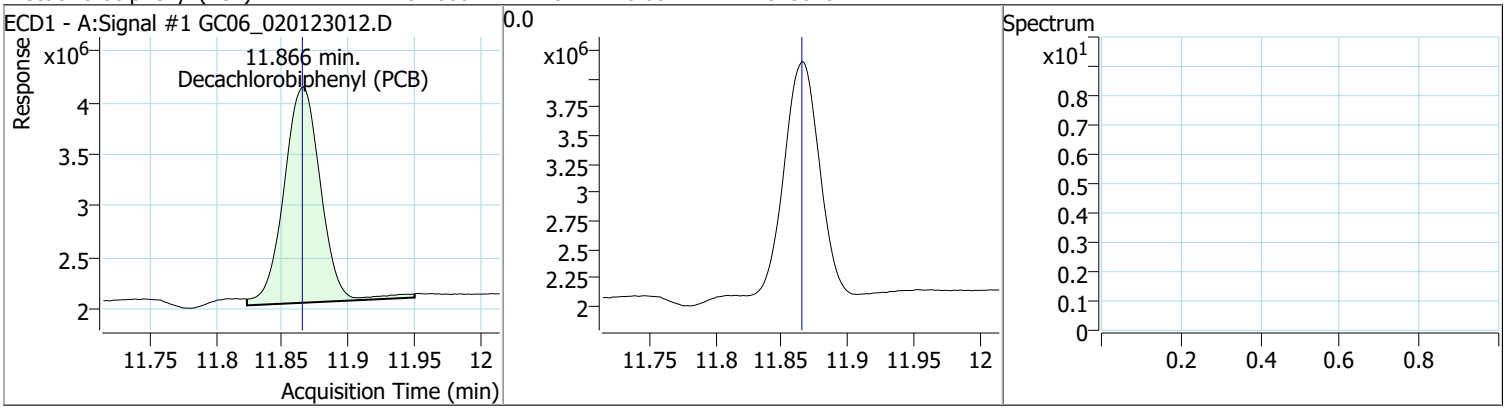
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	82.1515	10.96	0.00	1449247				



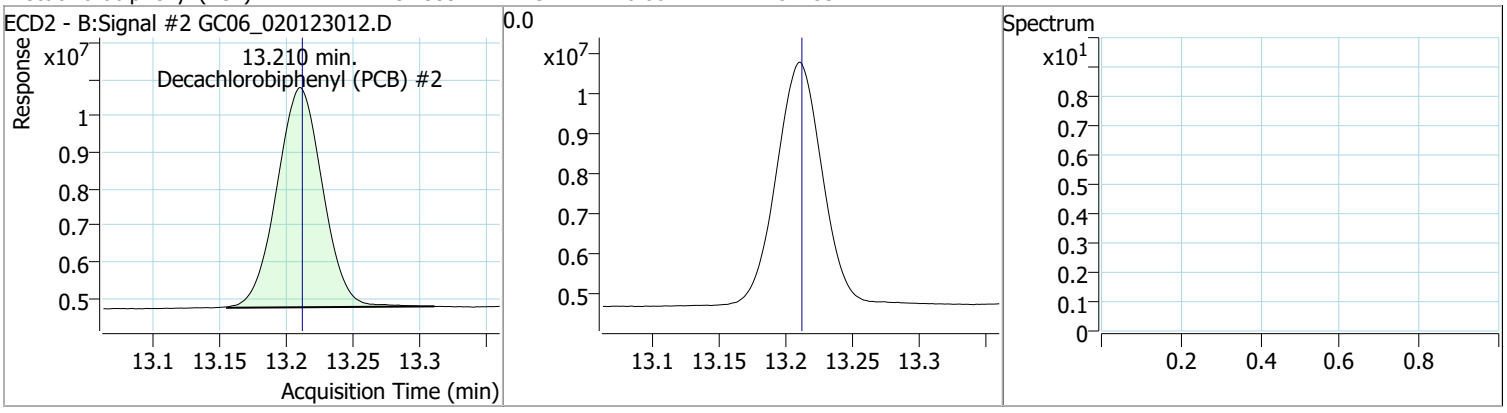
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.9734	11.67	0.05	377029				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.2860	11.87	0.00	4048628				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.9991	13.21	0.00	14542537				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-007	Client ID:	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-LA
Seqnum:	453046656013	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123013	Batch:	306459	Time:	01-FEB-2023 13:40
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	52.00	~~0.52~~ ~~FP~~	0.55	6%	0.50		x u
Aroclor-1016 Peak # 1	B	67.07	0.67	0.10	147%			
Aroclor-1016 Peak # 2	B	24.06	0.24	ND	321%			
Aroclor-1016 Peak # 3	B	166.6	1.67	0.72	79%			
Aroclor-1016 Peak # 4	B	0.3561	0.00	1.09	199%			
Aroclor-1016 Peak # 5	B	1.905	0.02	0.90	192%			
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	48.87	ND	0.27	57%	0.50		u
Aroclor-1260 Peak # 1	B	38.72	0.39	0.45	15%			
Aroclor-1260 Peak # 2	B	-6.459	ND	0.01	-277%			
Aroclor-1260 Peak # 3	B	65.18	0.65	0.07	164%			
Aroclor-1260 Peak # 4	B	120.3	1.20	0.75	47%			
Aroclor-1260 Peak # 5	B	26.63	0.27	0.08	104%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.85	0.5000	0.4185	84	19-121	u
Decachlorobiphenyl (PCB)	B	41.69	0.5000	0.4169	83	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	6520003	-4.26
1-bromo-2-nitrobenzene (PCB)	A	1458049	1289504	-11.56

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

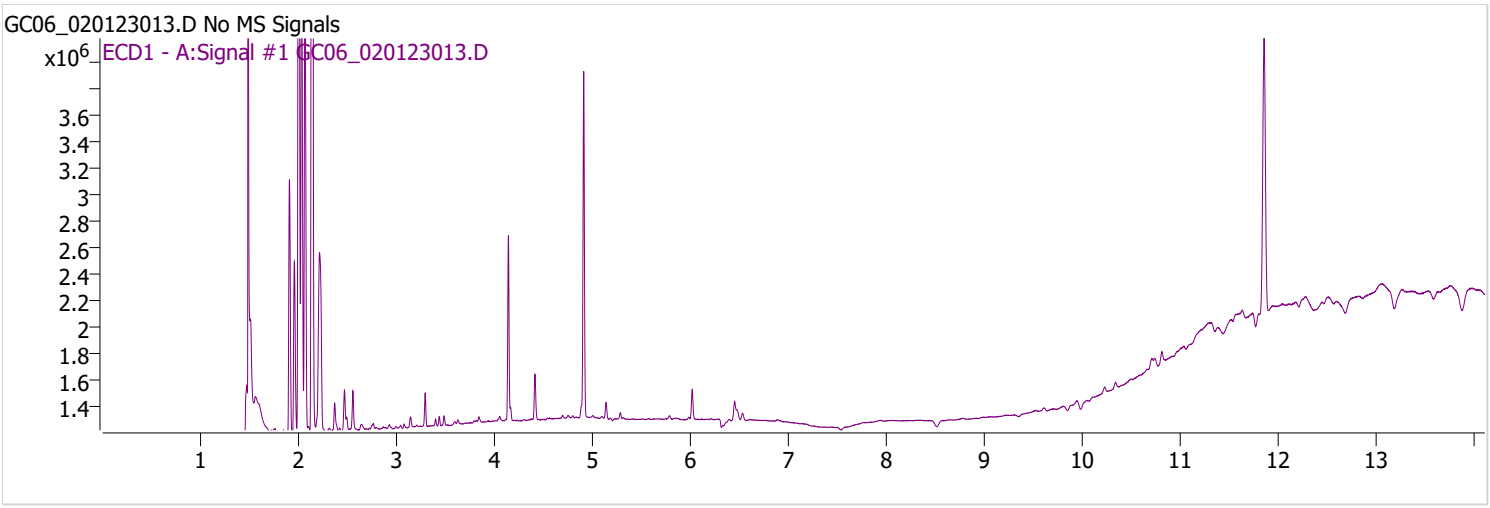
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

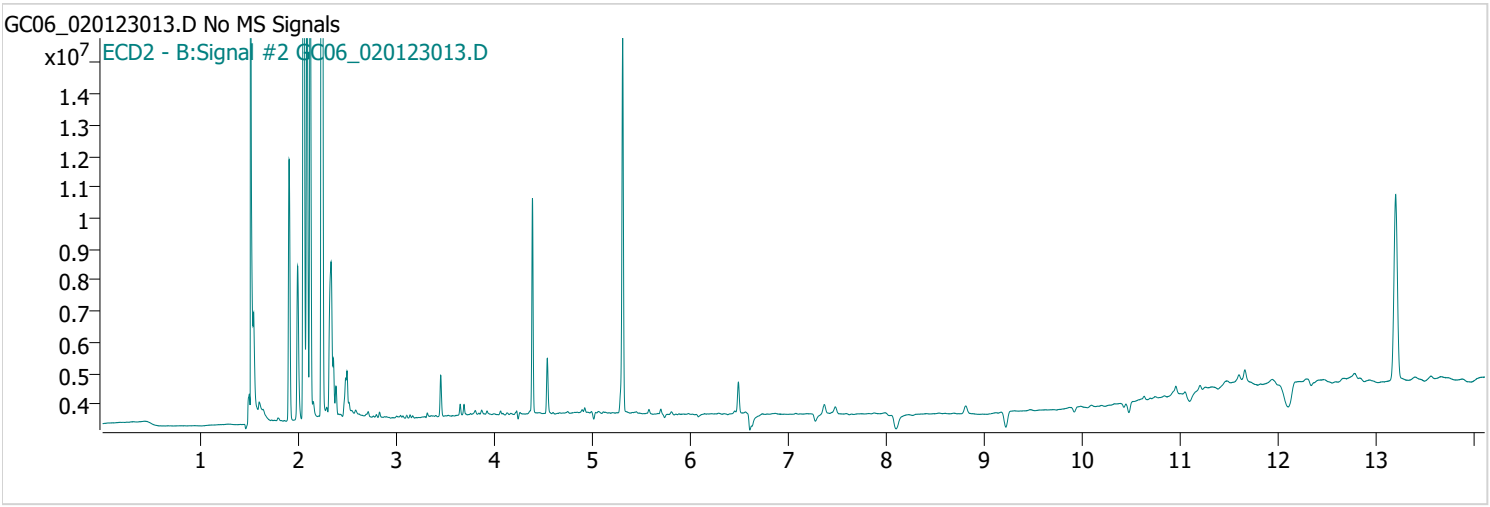
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 1:40:32 PM
Sample Name	478371-007, 306459, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



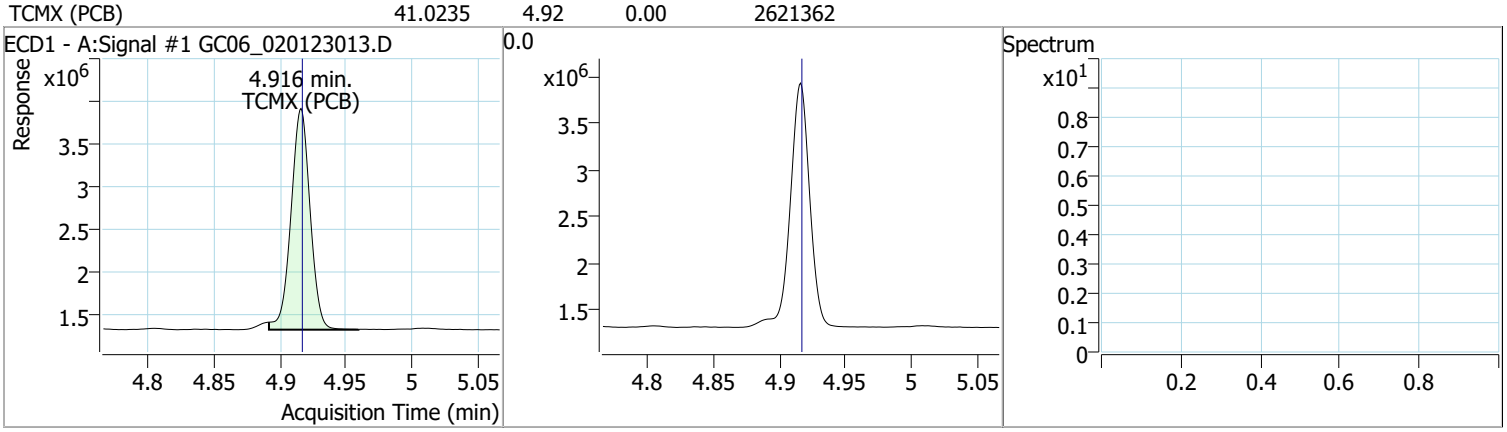


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.147	0.0	1289503.545	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	6520002.695	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.916	0.0	2621362.423	41.0235	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.12%		*	
S TCMX (PCB) #2	5.314	0.0	13197119.382	41.8552	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.28%		*	
S Decachlorobiphenyl (PCB)	11.867	0.0	4223960.476	47.0088	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.04%		*	
S Decachlorobiphenyl (PCB) #2	13.212	0.0	14753769.497	41.6854	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.43%		*	
Target Compounds							QValue

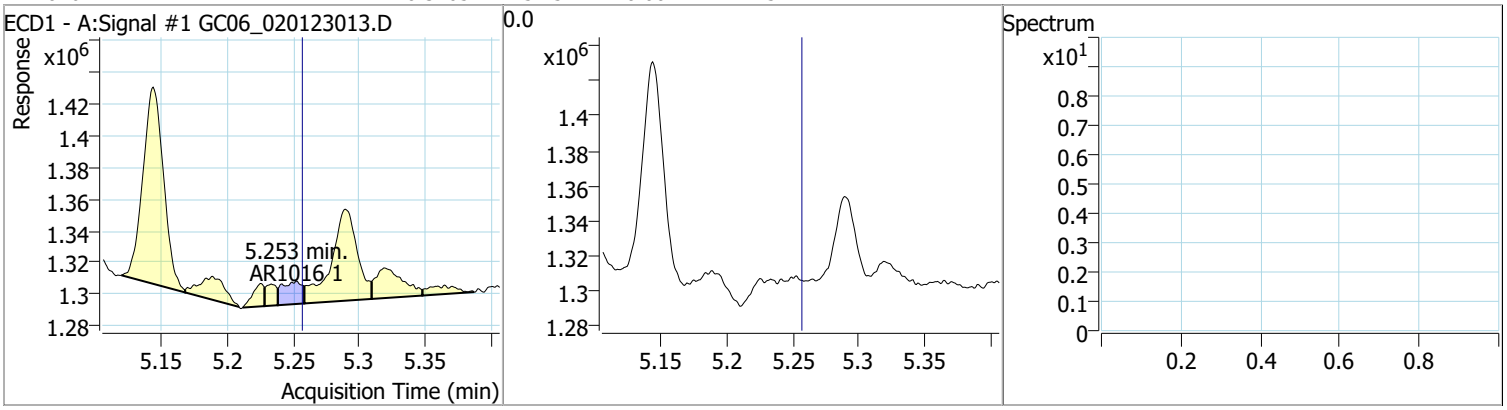
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.253	0.0	15176.912	10.3265	ng/ml	100
T AR1016 2	5.580	0.0	13237.007	0.0000	ng/ml	100
T AR1016 1 #2	5.812	0.0	483034.563	67.0681	ng/ml	100
T AR1016 3	6.024	0.0	264515.365	71.8811	ng/ml	100
T AR1016 4	6.219	0.0	255089.168	108.6758	ng/ml	100
T AR1016 2 #2	6.219	0.0	249898.225	24.0611	ng/ml	100
T AR1016 5	6.298	0.0	138666.416	89.9770	ng/ml	100
T AR1016 3 #2	6.869	0.0	3046286.652	166.5955	ng/ml	100
T AR1016 4 #2	6.968	0.0	4752.242	0.3561	ng/ml	100
T AR1016 5 #2	7.653	0.0	20372.250	1.9047	ng/ml	100
T AR1260 1	8.340	0.0	213892.635	44.8066	ng/ml	100
T AR1260 2	8.928	0.0	6804.277	1.0440	ng/ml	100
T AR1260 3	9.534	0.0	48372.673	6.5196	ng/ml	100
T AR1260 1 #2	9.884	0.0	787510.958	38.7223	ng/ml	100
T AR1260 4	9.959	0.0	291044.754	74.5044	ng/ml	100
T AR1260 2 #2	10.101	0.0	166567.349	0.0000	ng/ml	100
T AR1260 5	10.348	0.0	71149.904	8.4048	ng/ml	100
T AR1260 3 #2	10.642	0.0	1934331.666	65.1786	ng/ml	100
T AR1260 4 #2	10.966	0.0	1962441.196	120.2869	ng/ml	100
T AR1260 5 #2	11.610	0.0	715823.020	26.6338	ng/ml	100

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

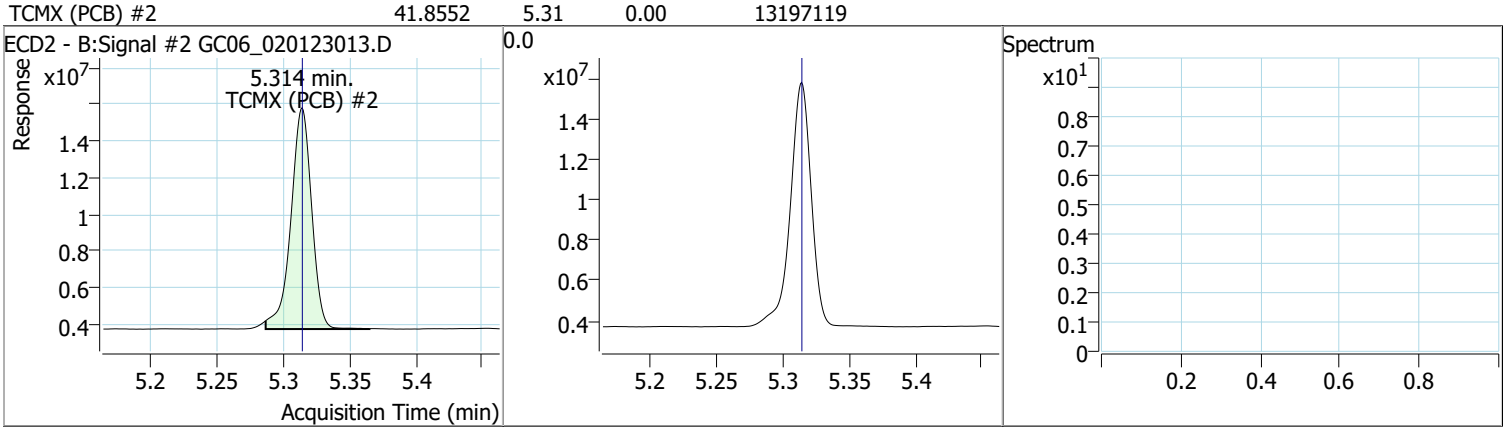
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.0235	4.92	0.00	2621362				



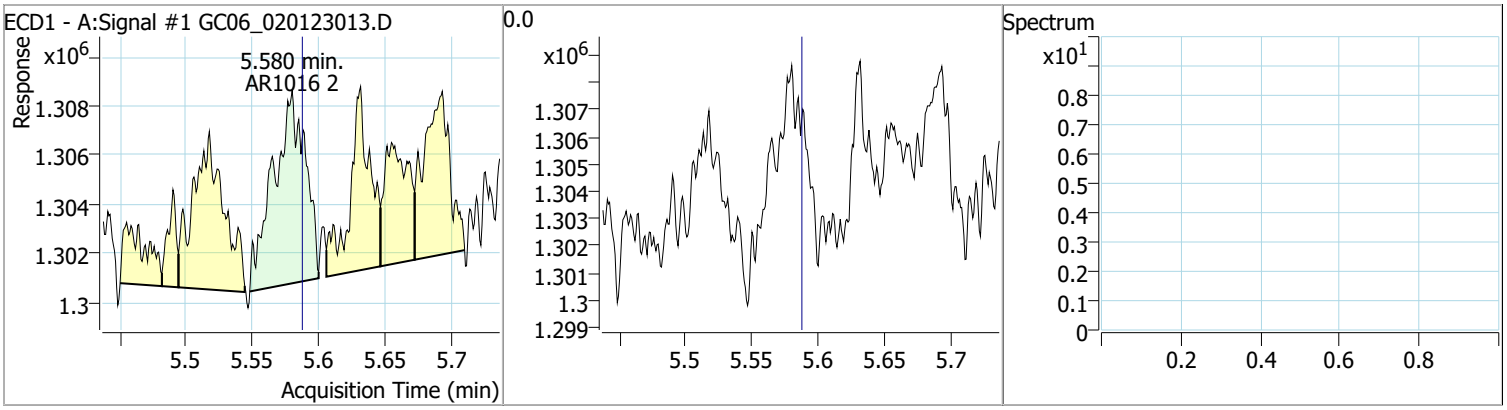
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	10.3265	5.25	0.00	15177				



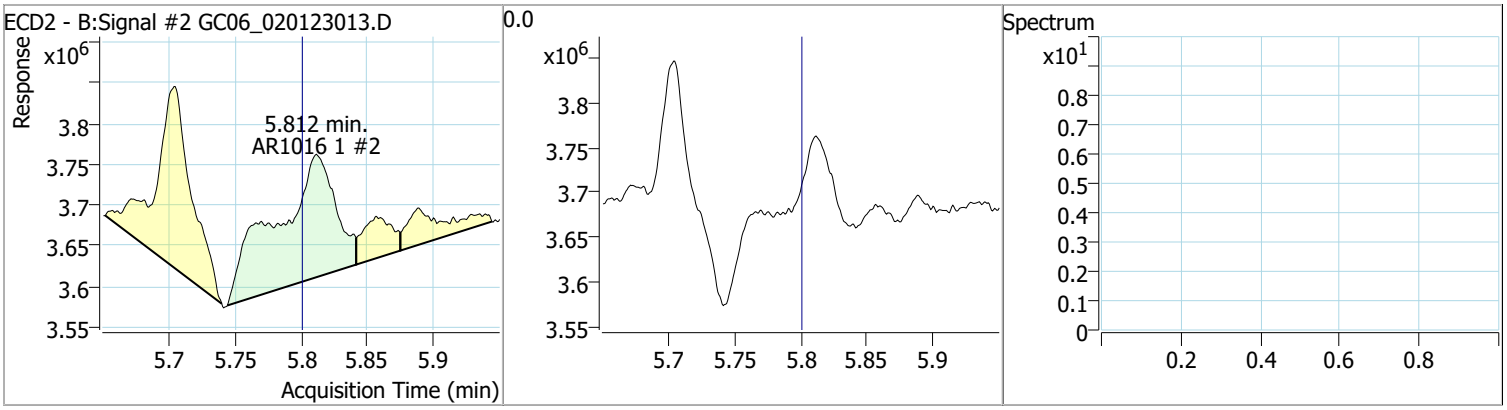
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.8552	5.31	0.00	13197119				



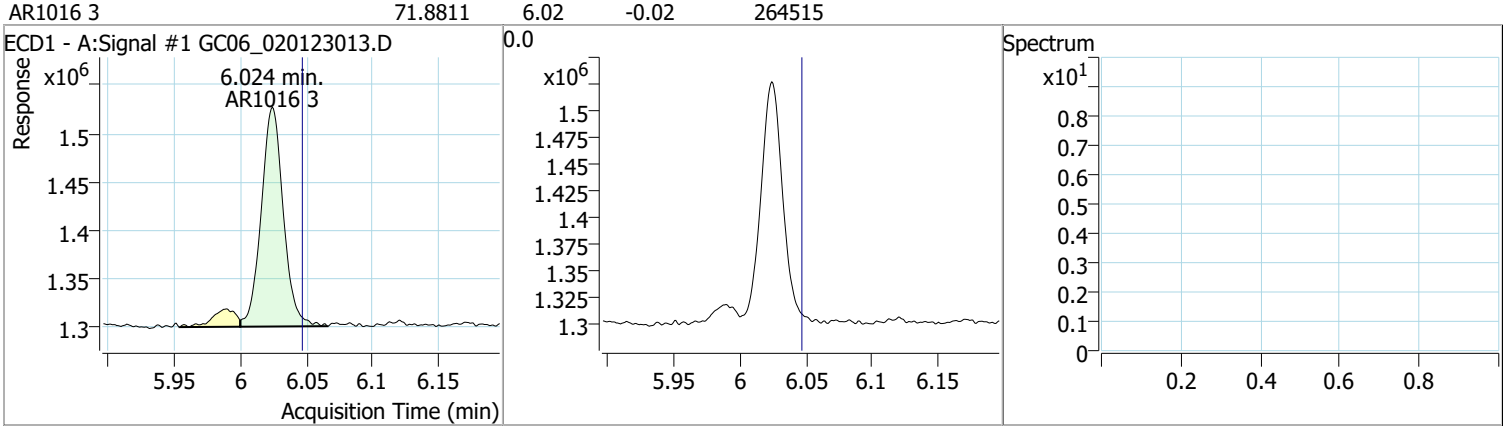
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	-0.01	13237				



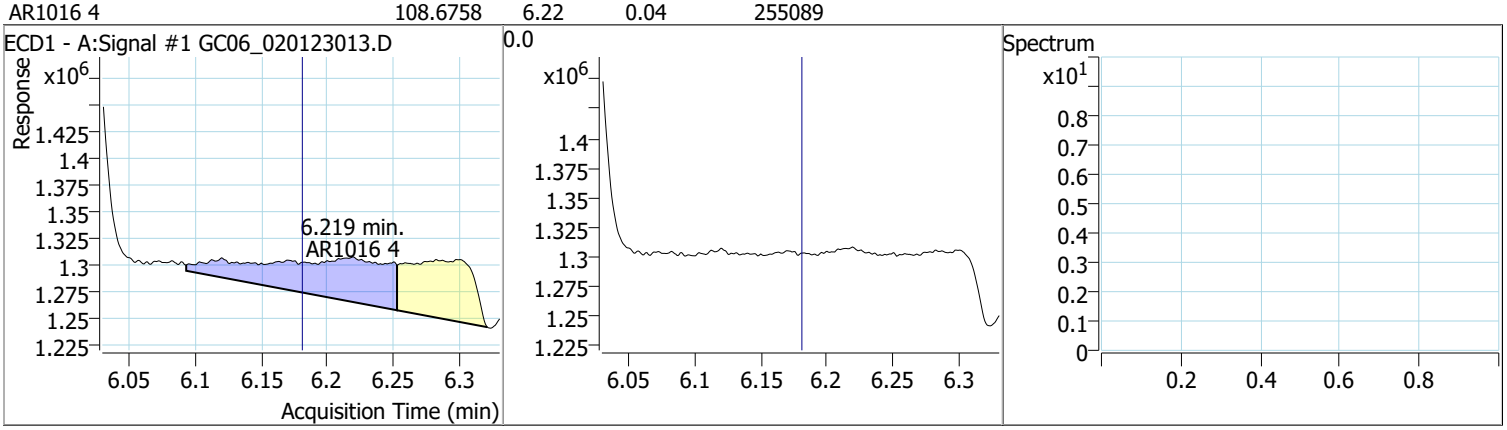
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	67.0681	5.81	0.01	483035				



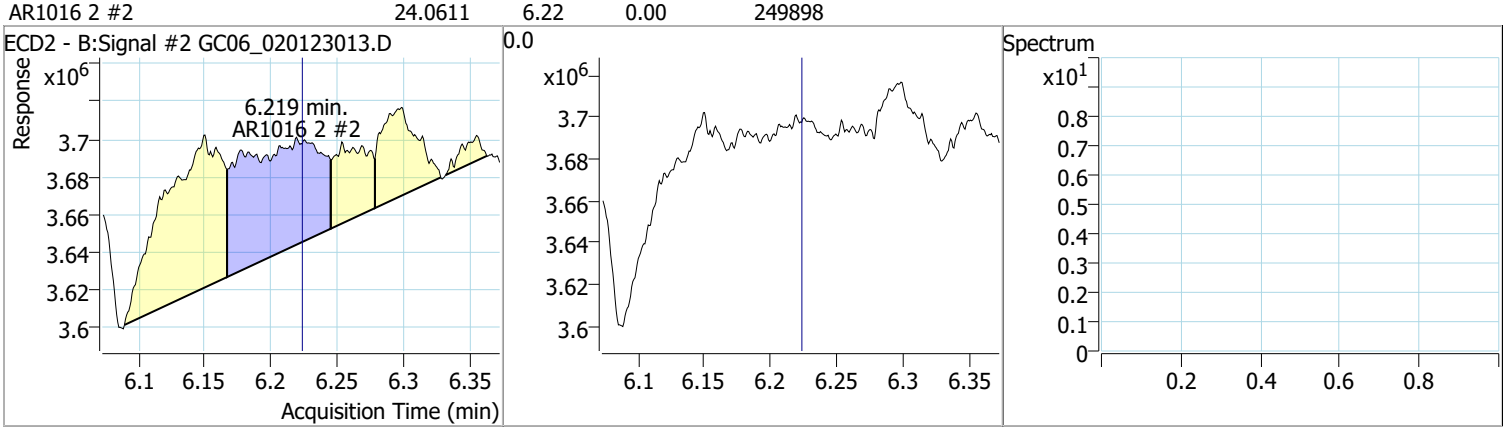
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	71.8811	6.02	-0.02	264515				



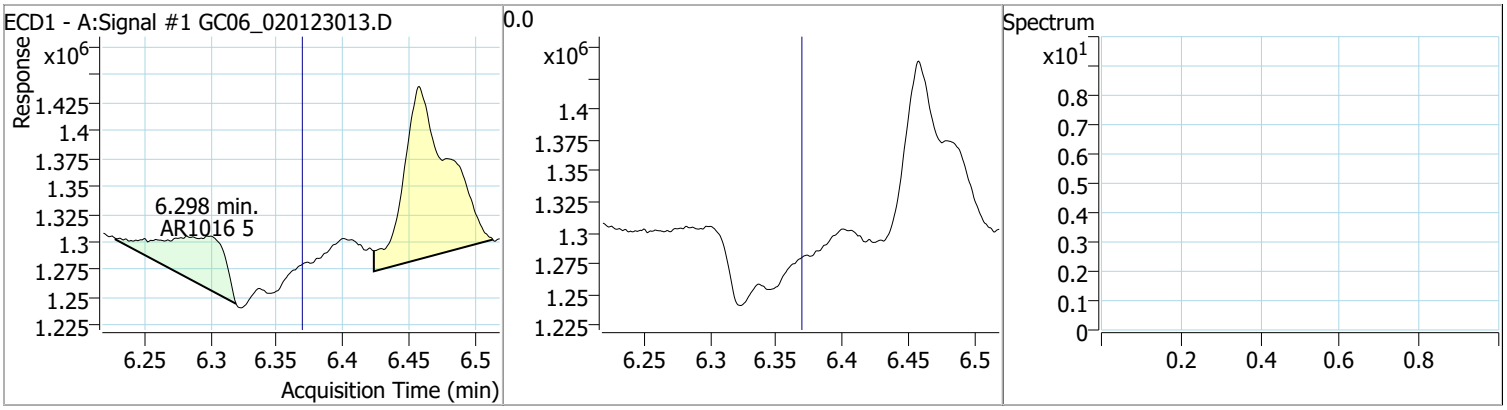
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	108.6758	6.22	0.04	255089				



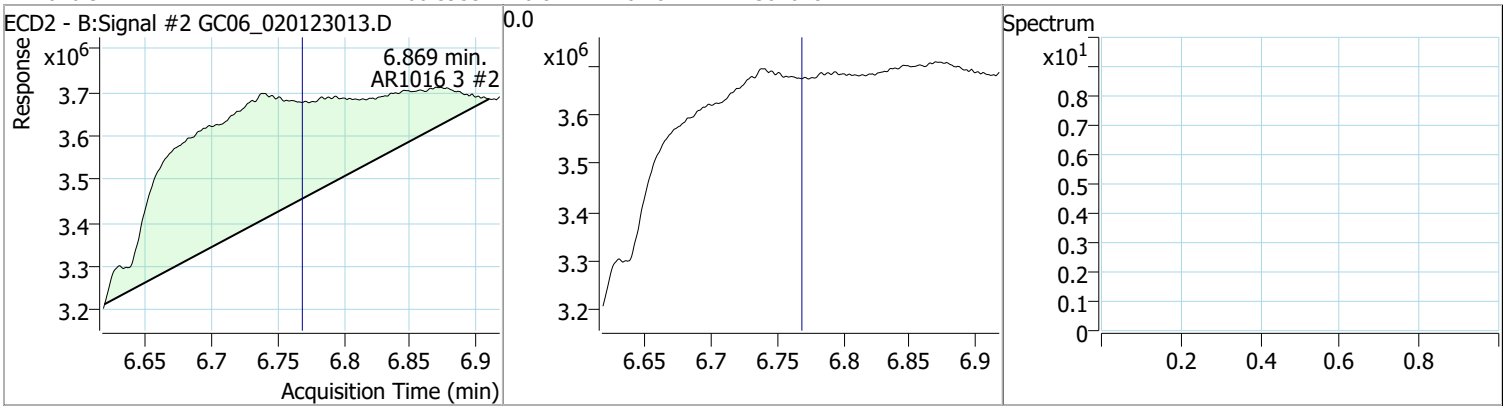
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.0611	6.22	0.00	249898				



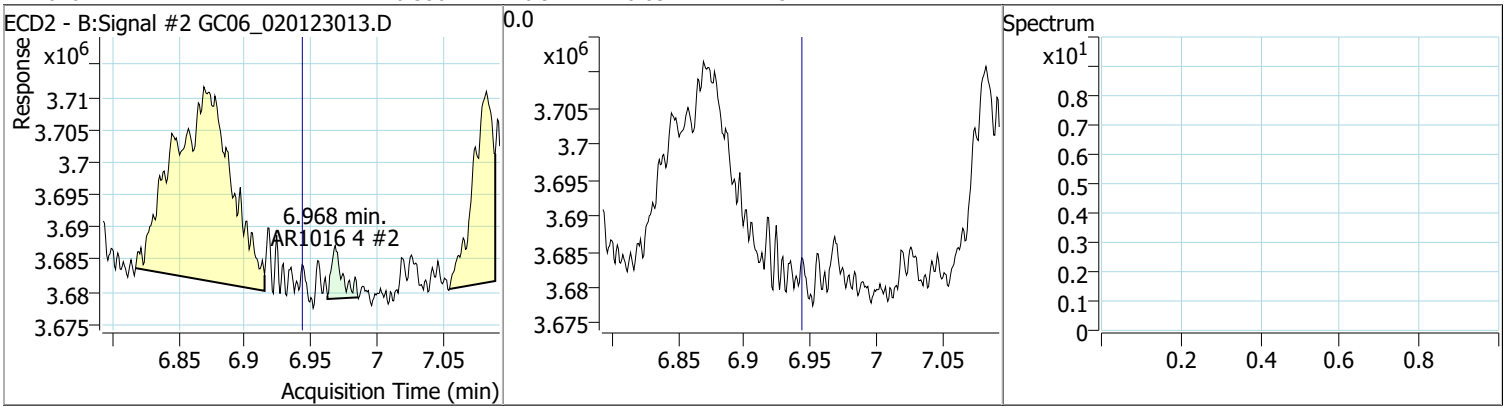
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	89.9770	6.30	-0.07	138666				



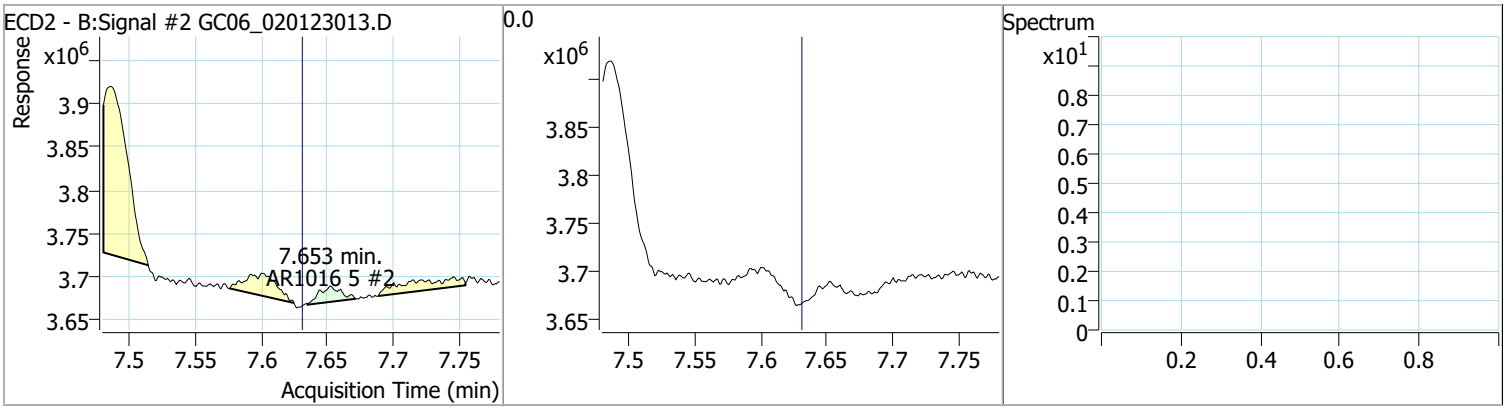
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	166.5955	6.87	0.10	3046287				



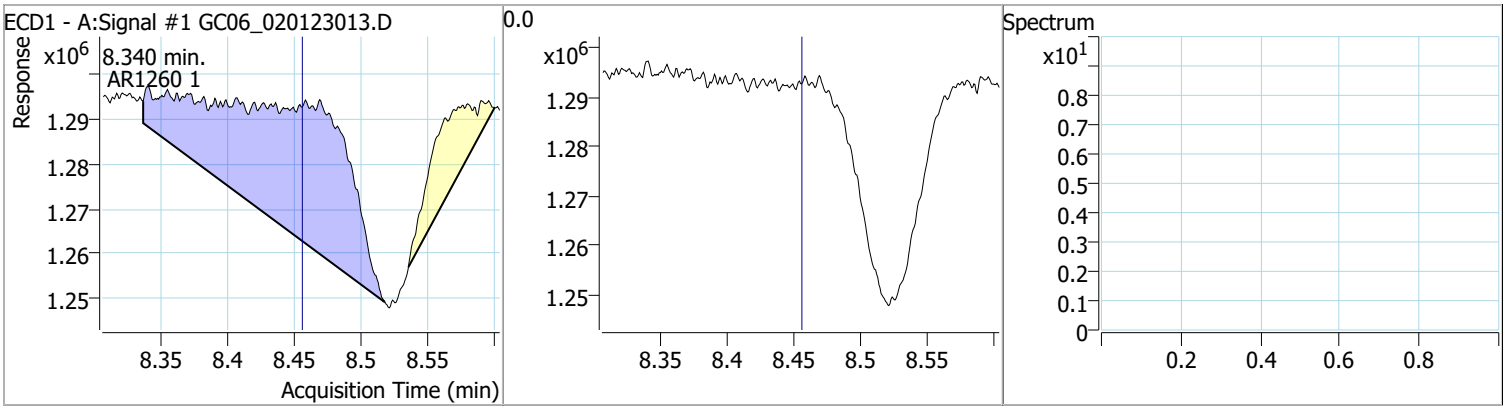
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3561	6.97	0.03	4752				



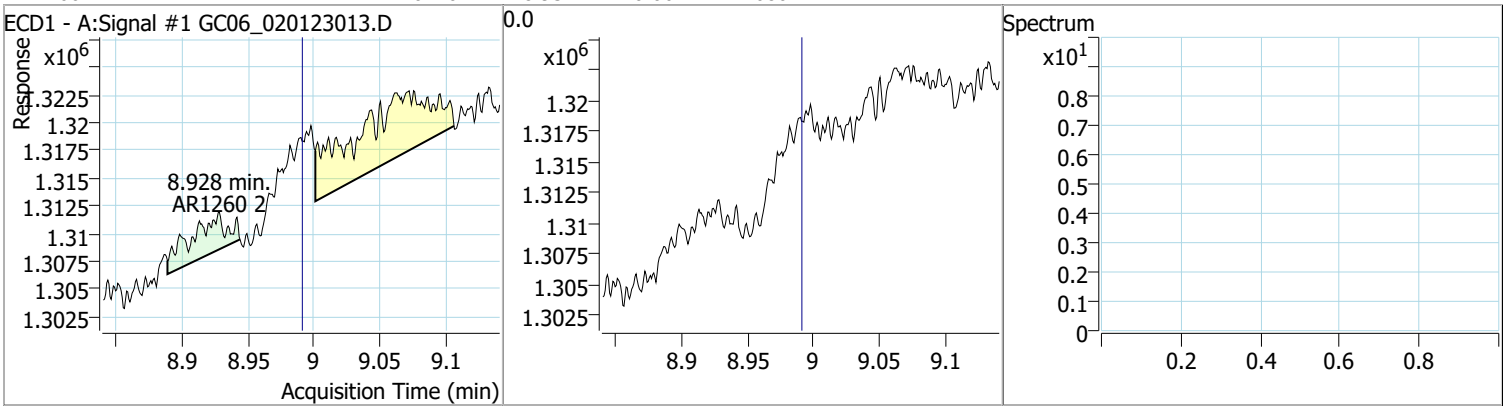
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.9047	7.65	0.02	20372				



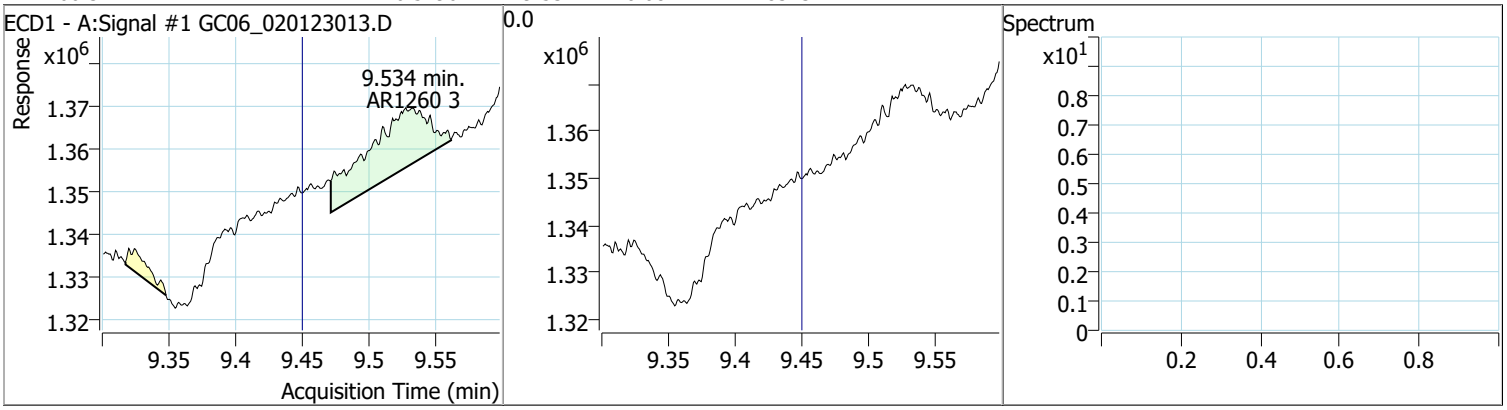
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	44.8066	8.34	-0.12	213893				



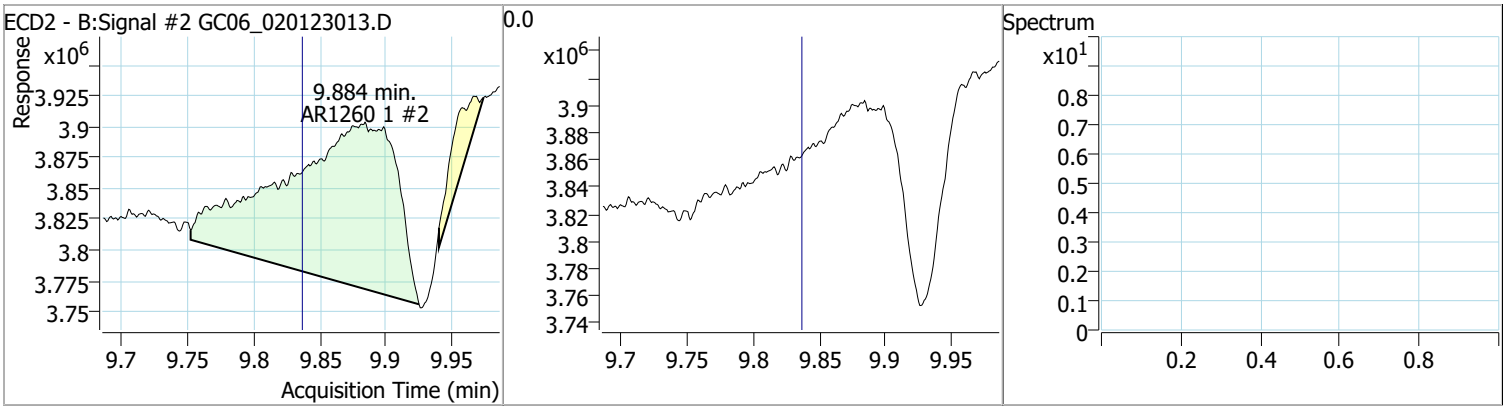
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0440	8.93	-0.06	6804				



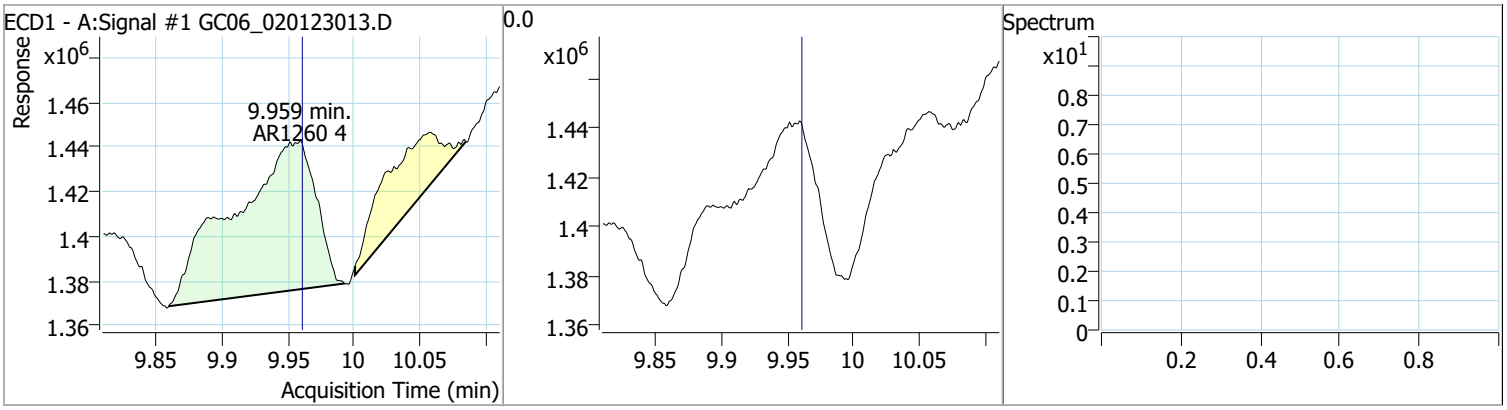
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.5196	9.53	0.08	48373				



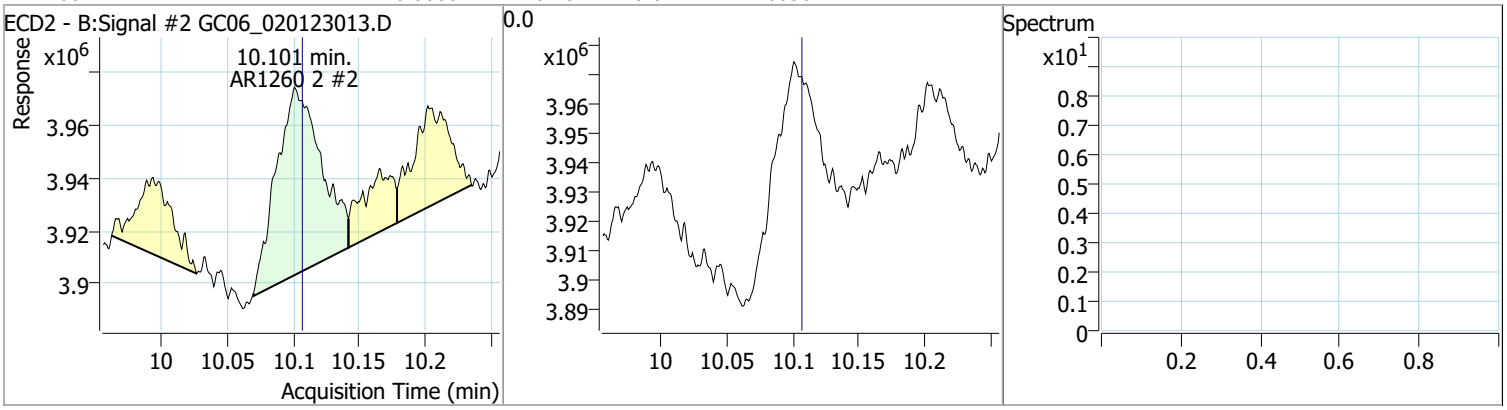
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	38.7223	9.88	0.05	787511				



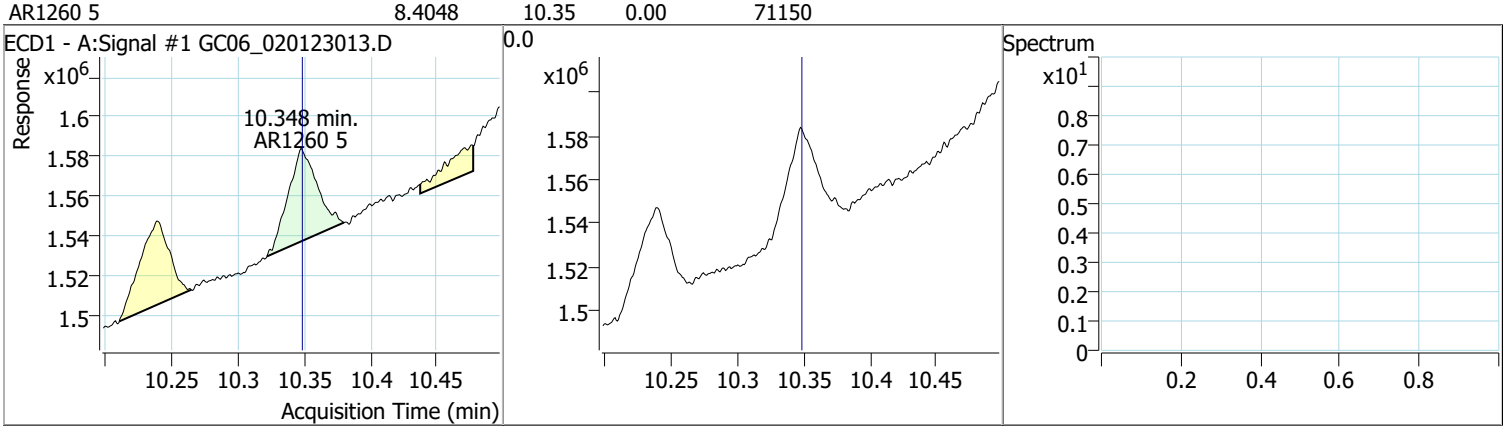
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	74.5044	9.96	0.00	291045				



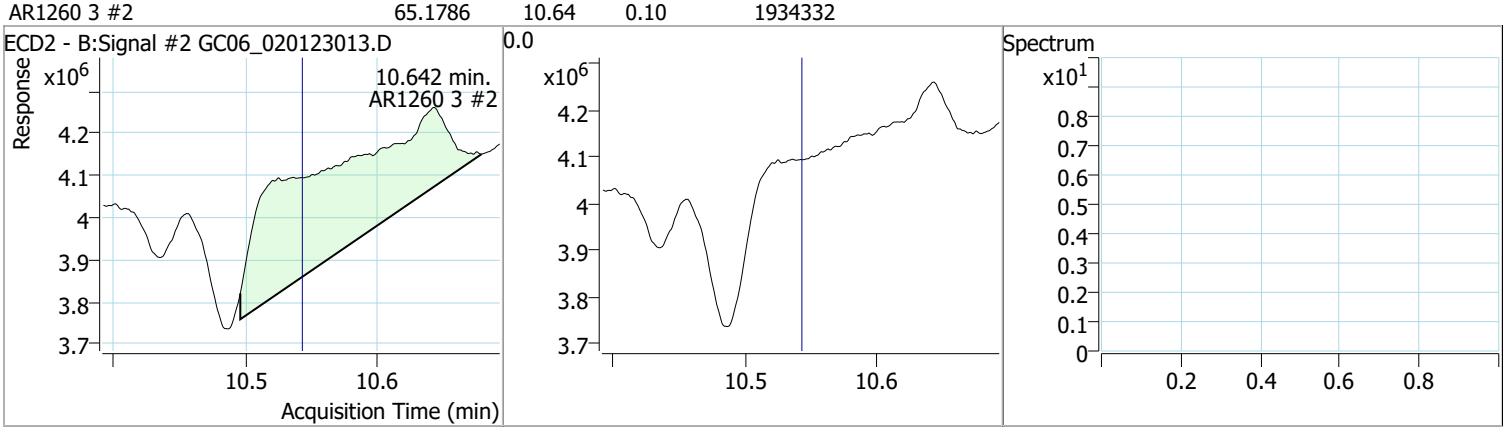
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.10	-0.01	166567				



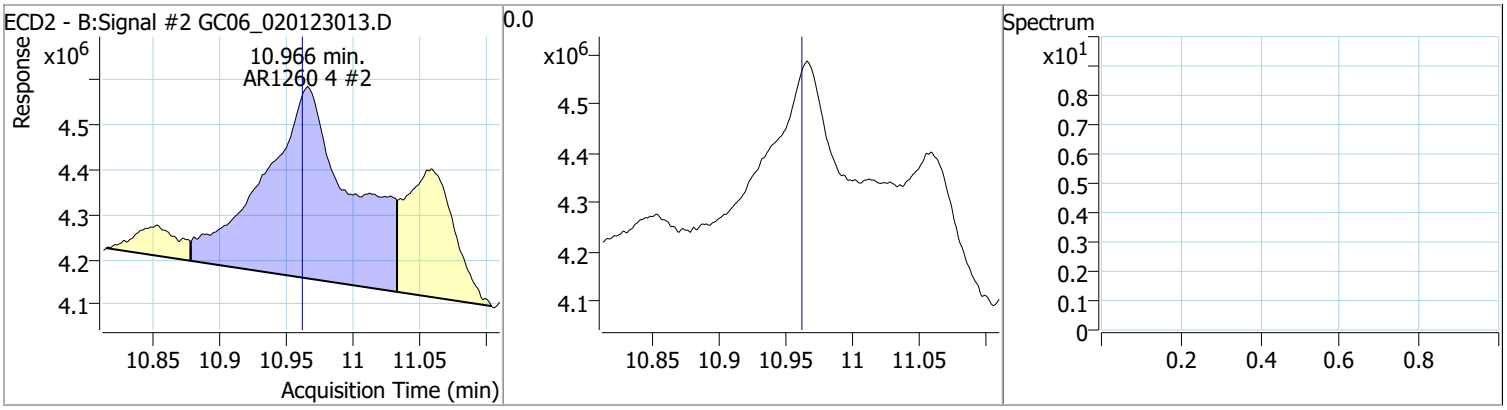
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	8.4048	10.35	0.00	71150				



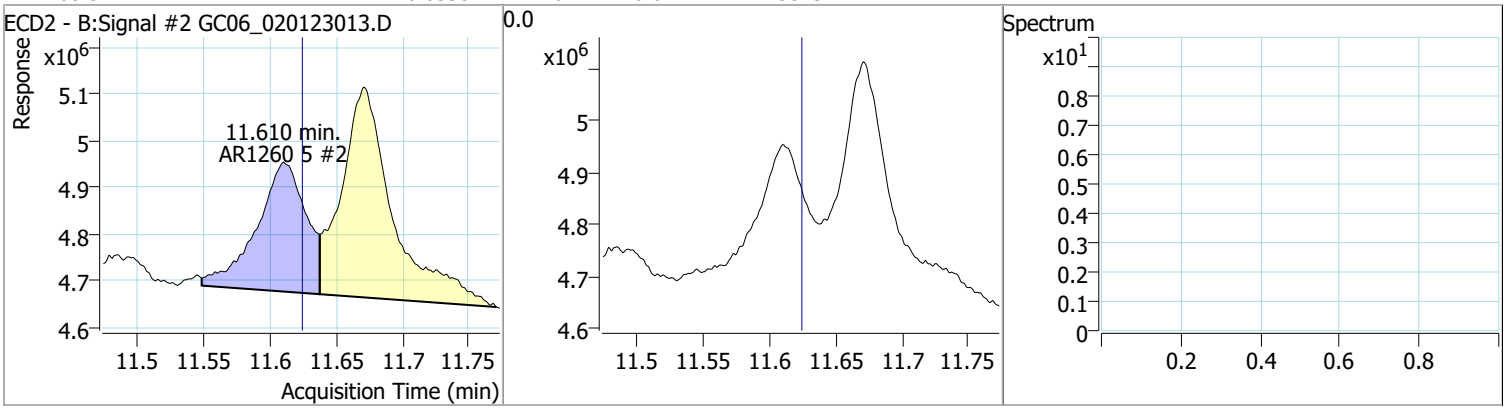
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	65.1786	10.64	0.10	1934332				



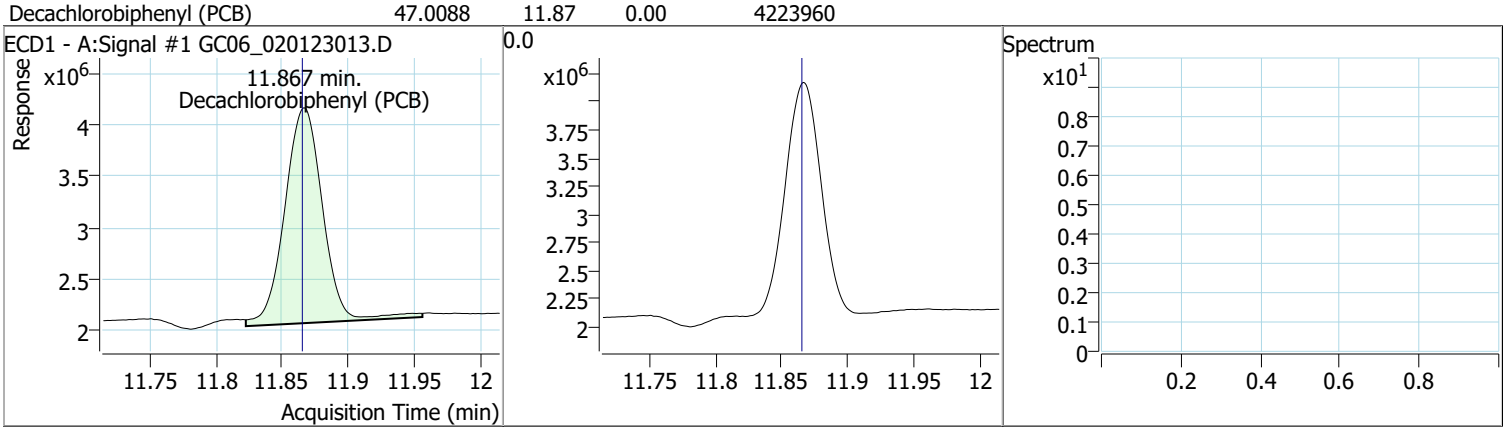
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	120.2869	10.97	0.00	1962441				



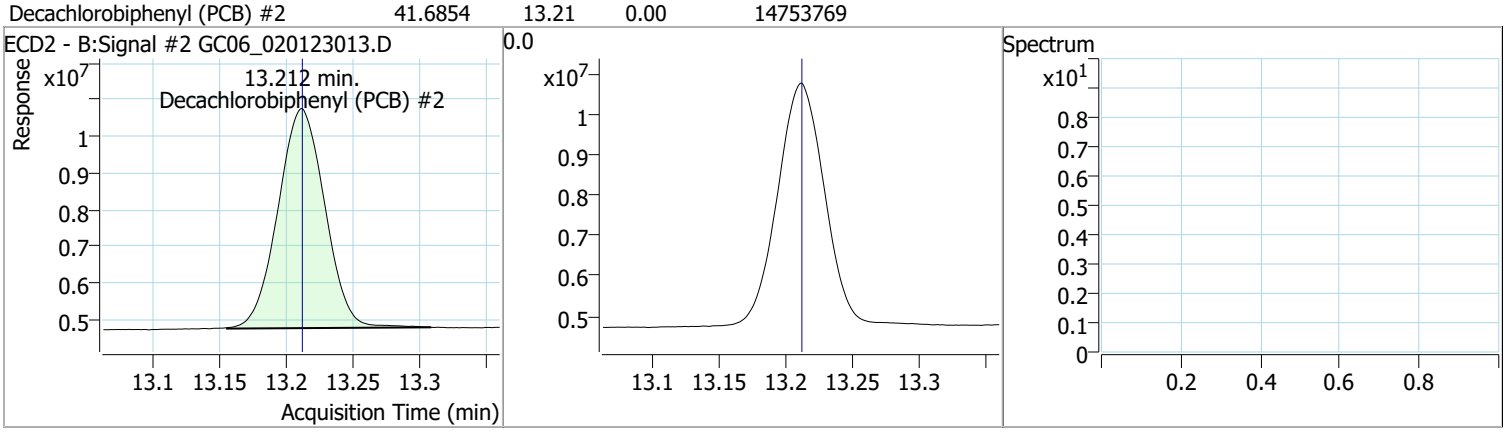
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	26.6338	11.61	-0.01	715823				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.0088	11.87	0.00	4223960				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.6854	13.21	0.00	14753769				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-008	Client ID:	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP-LA
Seqnum:	453046656014	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123014	Batch:	306459	Time:	01-FEB-2023 13:58
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	57.29	~~0.57~~ ~~FP~~	0.69	18%	0.50		x u
Aroclor-1016 Peak # 1	B	63.53	0.64	0.59	7%			
Aroclor-1016 Peak # 2	B	55.48	0.55	ND	252%			
Aroclor-1016 Peak # 3	B	159.1	1.59	0.41	118%			
Aroclor-1016 Peak # 4	B	5.940	0.06	1.78	187%			
Aroclor-1016 Peak # 5	B	2.387	0.02	0.72	187%			
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	45.59	ND	0.29	44%	0.50		u
Aroclor-1260 Peak # 1	B	28.95	0.29	0.45	44%			
Aroclor-1260 Peak # 2	B	-6.724	ND	0.04	-827%			
Aroclor-1260 Peak # 3	B	68.30	0.68	0.09	153%			
Aroclor-1260 Peak # 4	B	105.2	1.05	0.75	34%			
Aroclor-1260 Peak # 5	B	32.22	0.32	0.12	90%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.21	0.5000	0.3621	72	19-121	u
Decachlorobiphenyl (PCB)	B	37.28	0.5000	0.3728	75	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	7038443	3.36
1-bromo-2-nitrobenzene (PCB)	A	1458049	1433257	-1.70

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

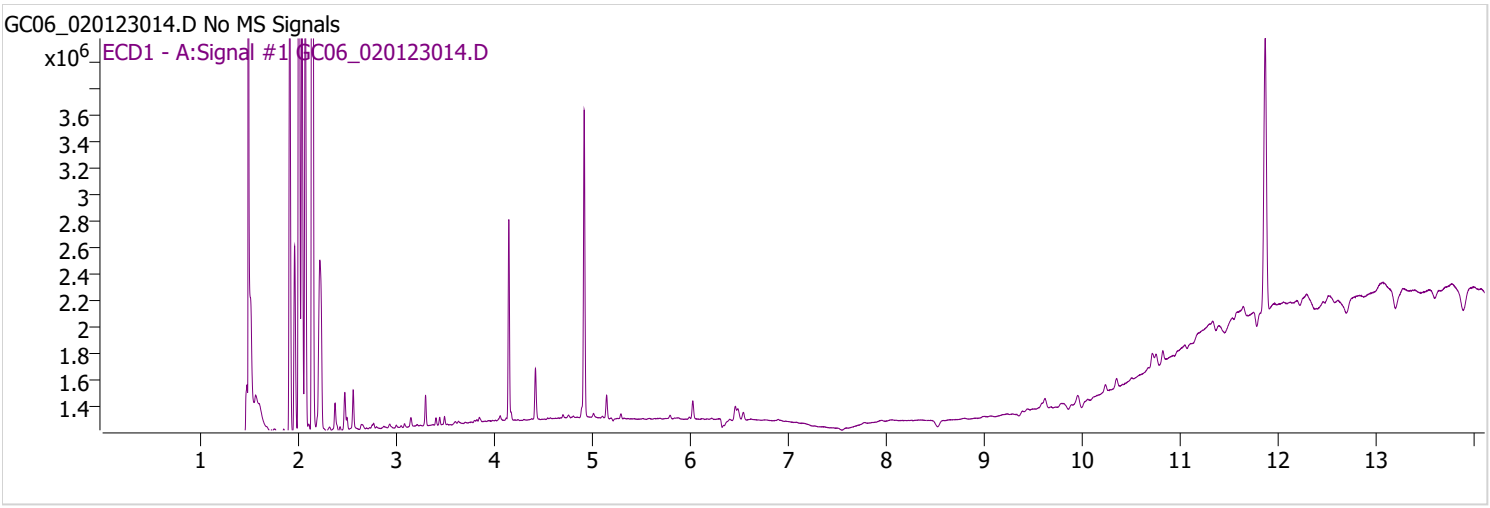
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

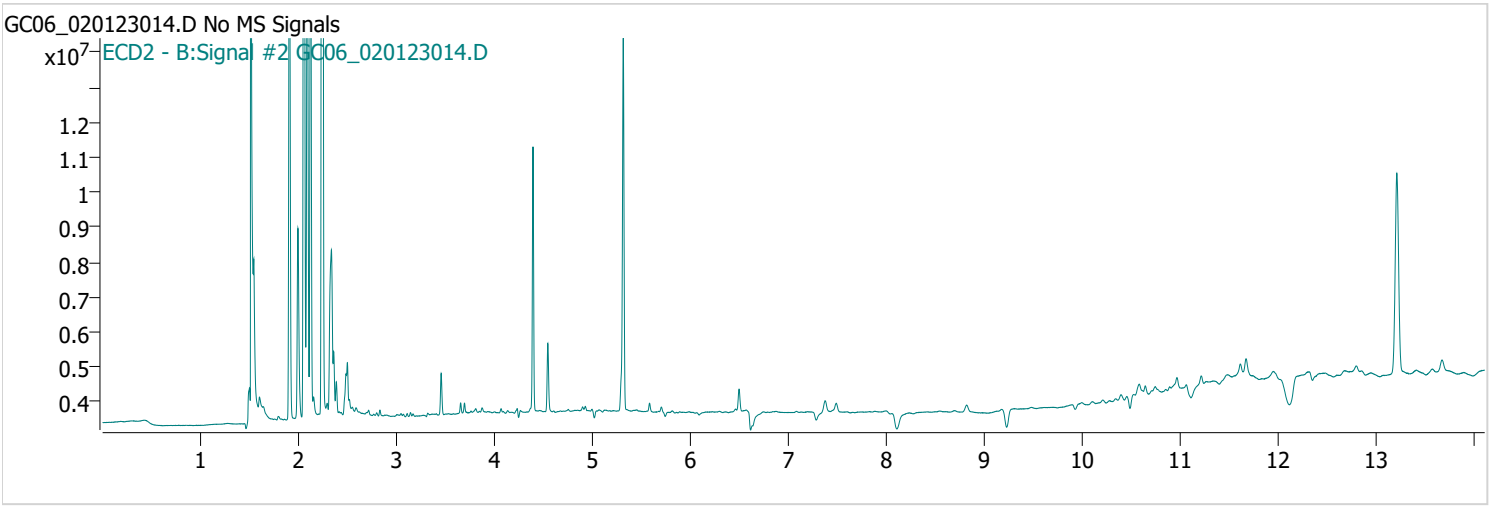
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 1:58:53 PM
Sample Name	478371-008, 306459, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



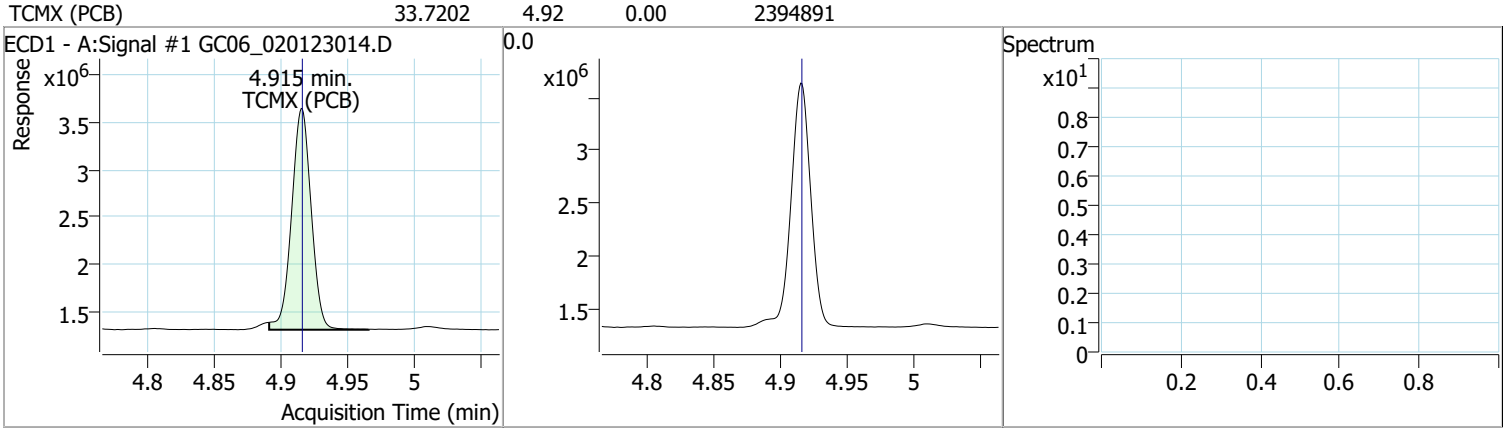


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.146	0.0	1433256.695	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	7038443.146	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.915	0.0	2394891.360	33.7202	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.60%		*	
S TCMX (PCB) #2	5.314	0.0	12323855.447	36.2066	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.03%		*	
S Decachlorobiphenyl (PCB)	11.866	0.0	4192768.723	41.9816	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.91%		*	
S Decachlorobiphenyl (PCB) #2	13.209	0.0	14243022.997	37.2782	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.39%		*	
Target Compounds							QValue

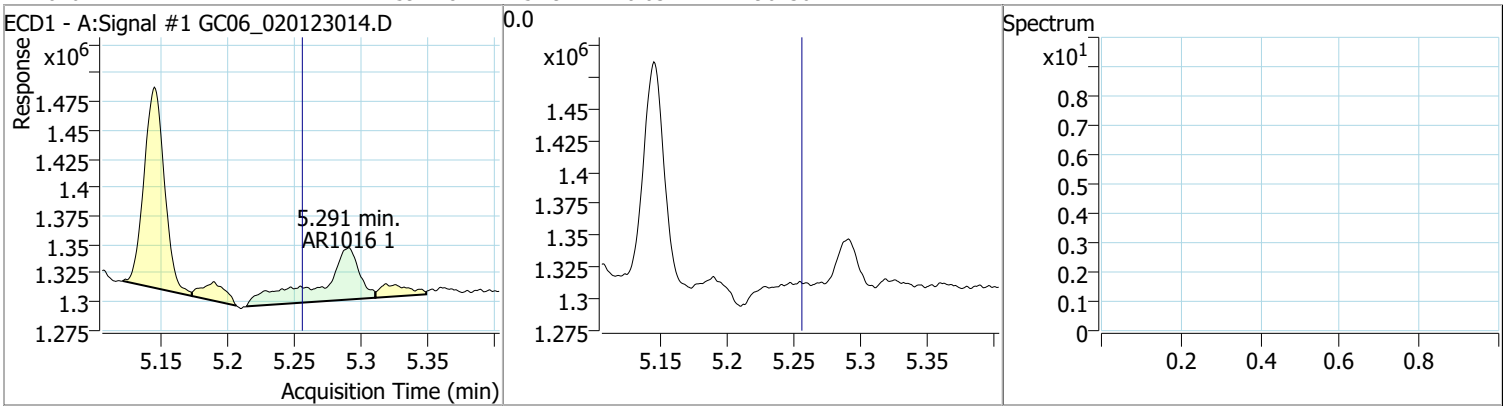
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.291	0.0	96736.021	59.2182	ng/ml	100
T AR1016 2	5.578	0.0	12097.341	0.0000	ng/ml	100
T AR1016 1 #2	5.817	0.0	493928.347	63.5291	ng/ml	100
T AR1016 3	6.023	0.0	168407.076	41.1740	ng/ml	100
T AR1016 4	6.216	0.0	463643.989	177.7150	ng/ml	100
T AR1016 2 #2	6.295	0.0	622067.922	55.4831	ng/ml	100
T AR1016 5	6.401	0.0	123493.822	72.0948	ng/ml	100
T AR1016 3 #2	6.870	0.0	3140345.837	159.0894	ng/ml	100
T AR1016 4 #2	6.870	0.0	85567.339	5.9403	ng/ml	100
T AR1016 5 #2	7.599	0.0	27555.964	2.3866	ng/ml	100
T AR1260 1	8.352	0.0	239746.282	45.1852	ng/ml	100
T AR1260 2	9.000	0.0	29734.481	4.1048	ng/ml	100
T AR1260 3	9.436	0.0	75446.516	9.1486	ng/ml	100
T AR1260 1 #2	9.899	0.0	635625.497	28.9519	ng/ml	100
T AR1260 4	9.953	0.0	324223.465	74.6733	ng/ml	100
T AR1260 2 #2	10.099	0.0	173642.996	0.0000	ng/ml	100
T AR1260 5	10.348	0.0	115195.737	12.2430	ng/ml	100
T AR1260 3 #2	10.580	0.0	2188175.854	68.3011	ng/ml	100
T AR1260 4 #2	10.965	0.0	1852851.471	105.2043	ng/ml	100
T AR1260 5 #2	11.613	0.0	934703.580	32.2161	ng/ml	100

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

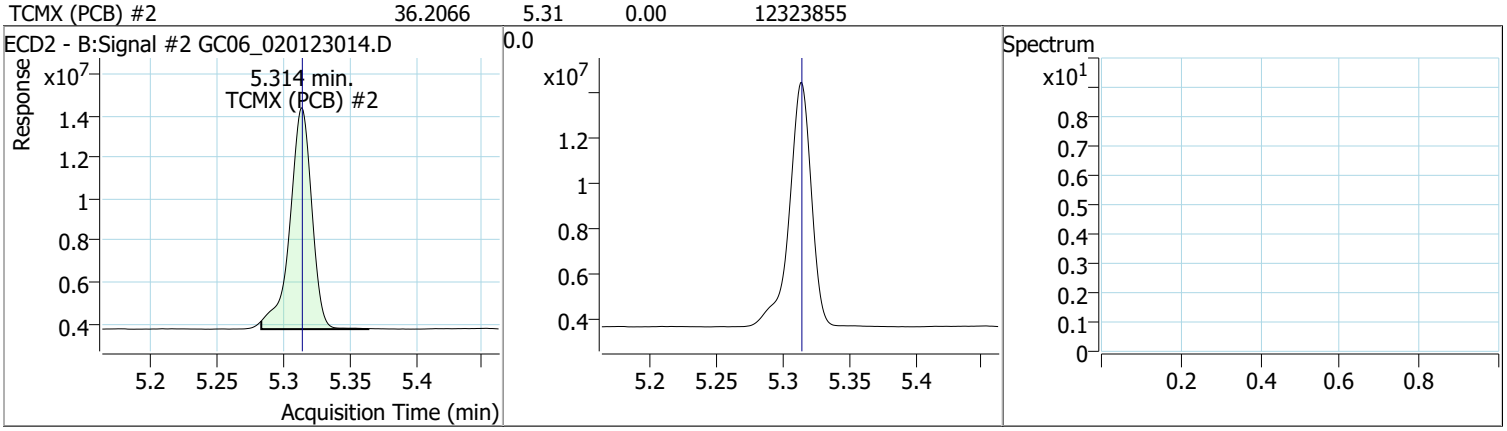
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.7202	4.92	0.00	2394891				



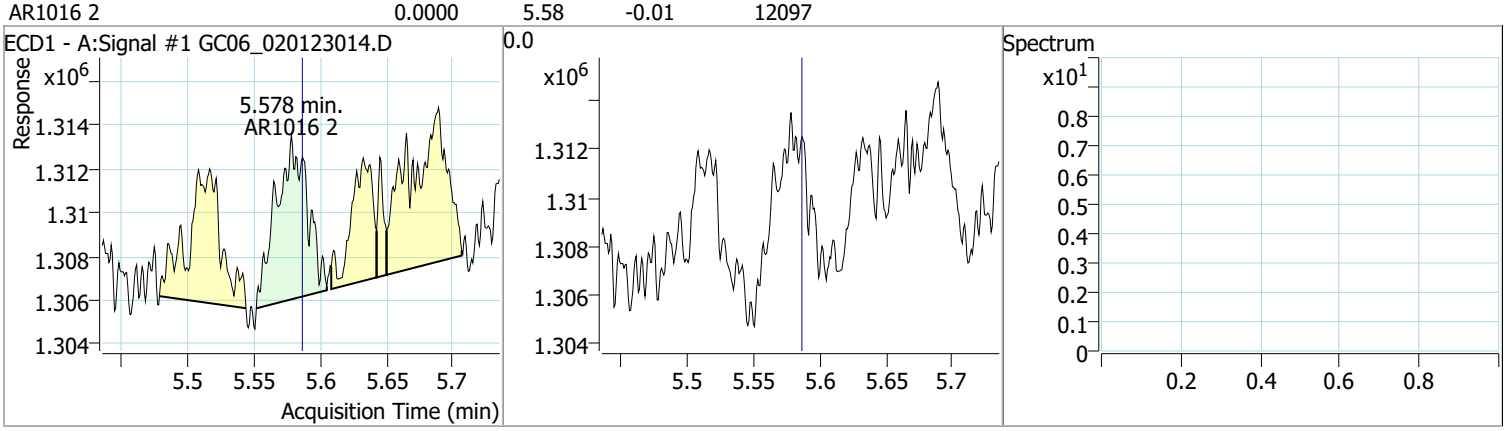
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.2182	5.29	0.03	96736				



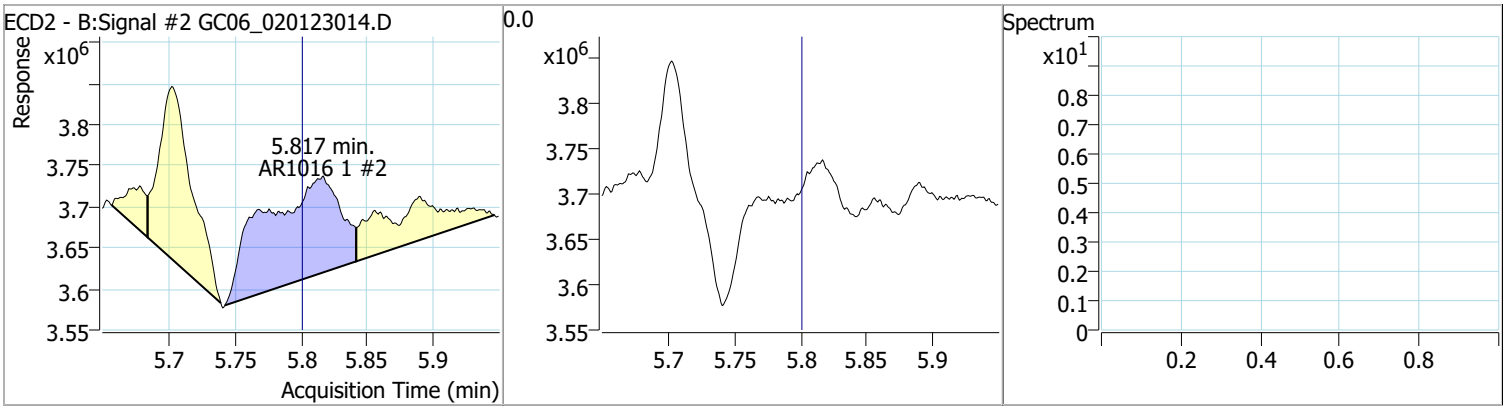
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.2066	5.31	0.00	12323855				



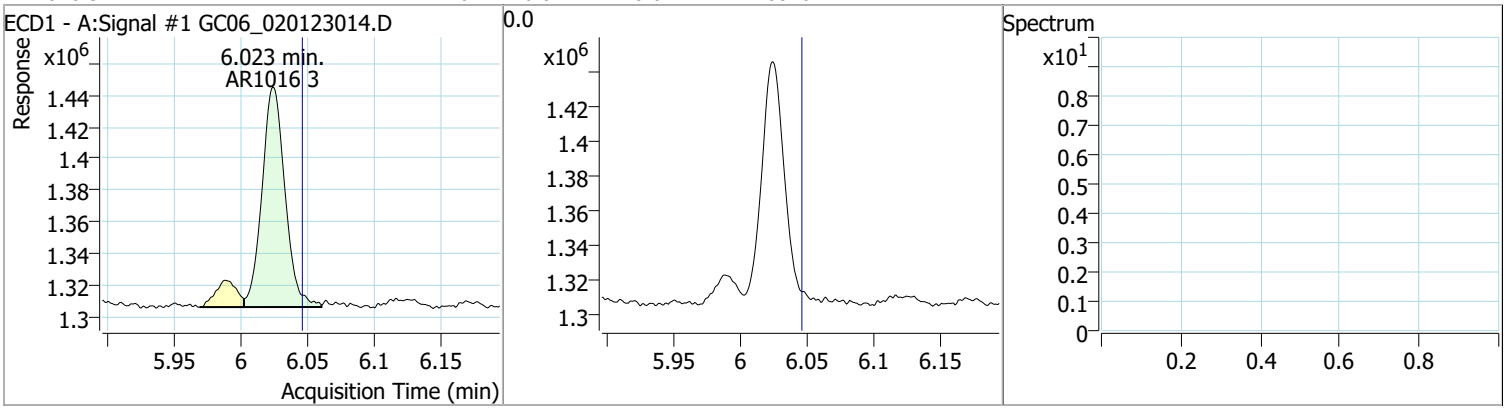
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	-0.01	12097				



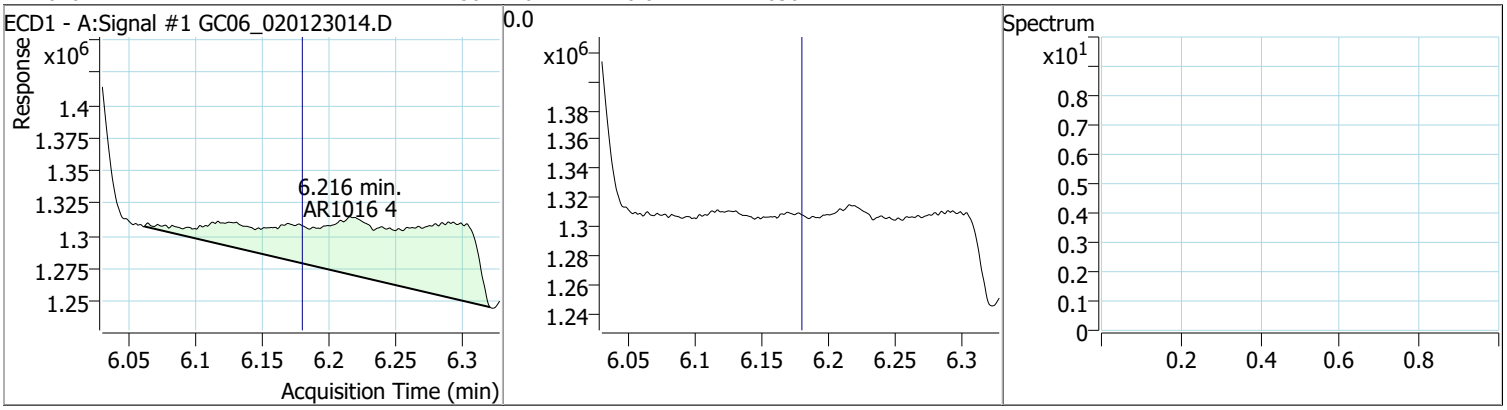
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	63.5291	5.82	0.02	493928				



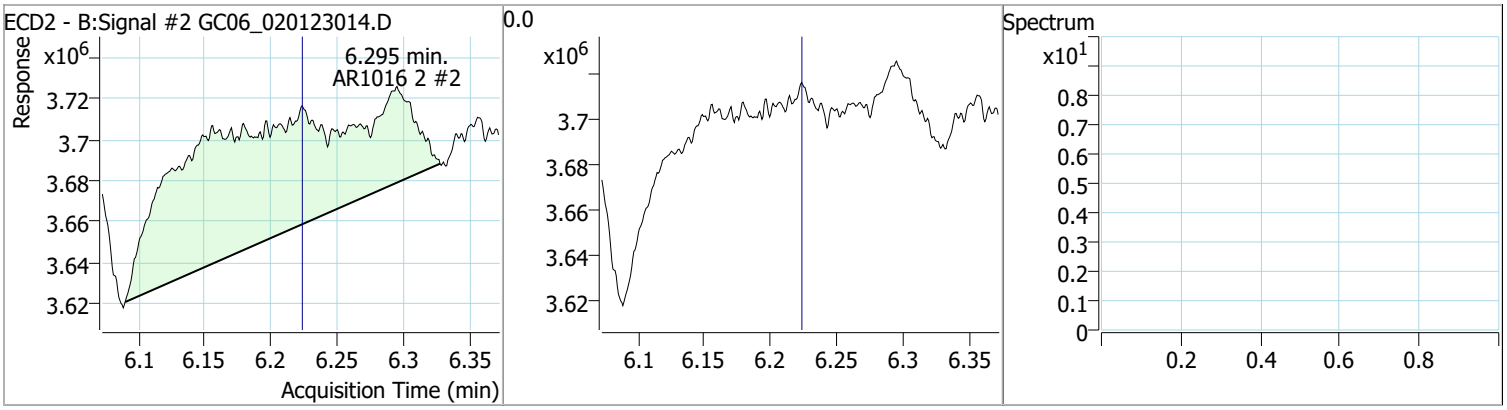
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	41.1740	6.02	-0.02	168407				



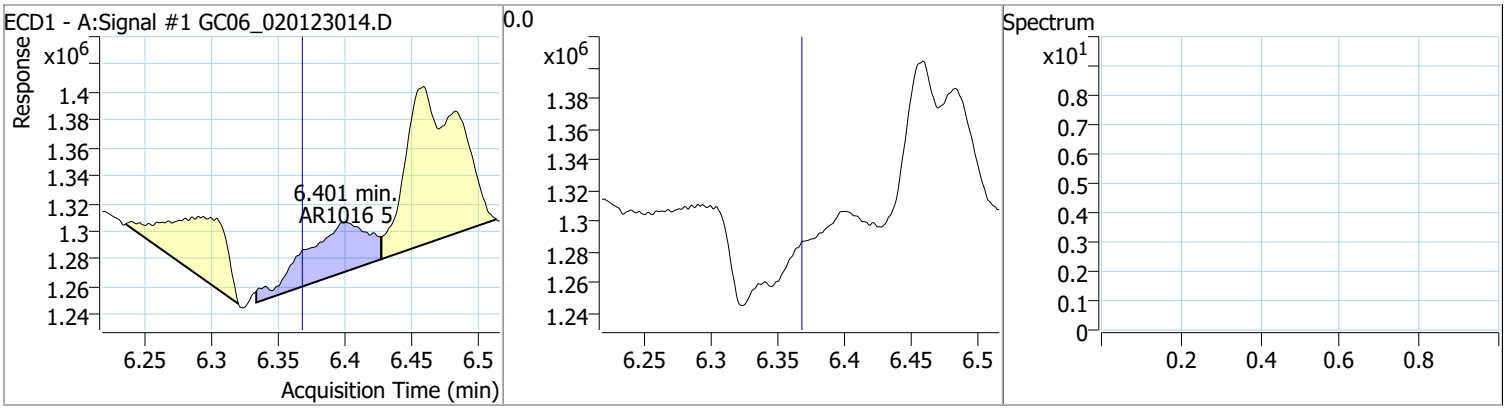
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	177.7150	6.22	0.04	463644				



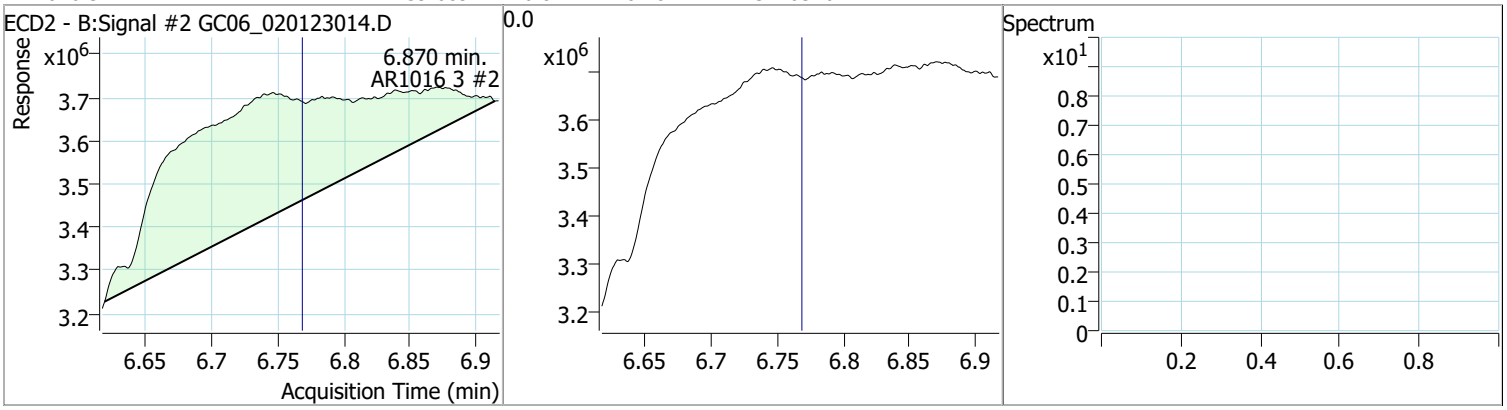
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	55.4831	6.30	0.07	622068				



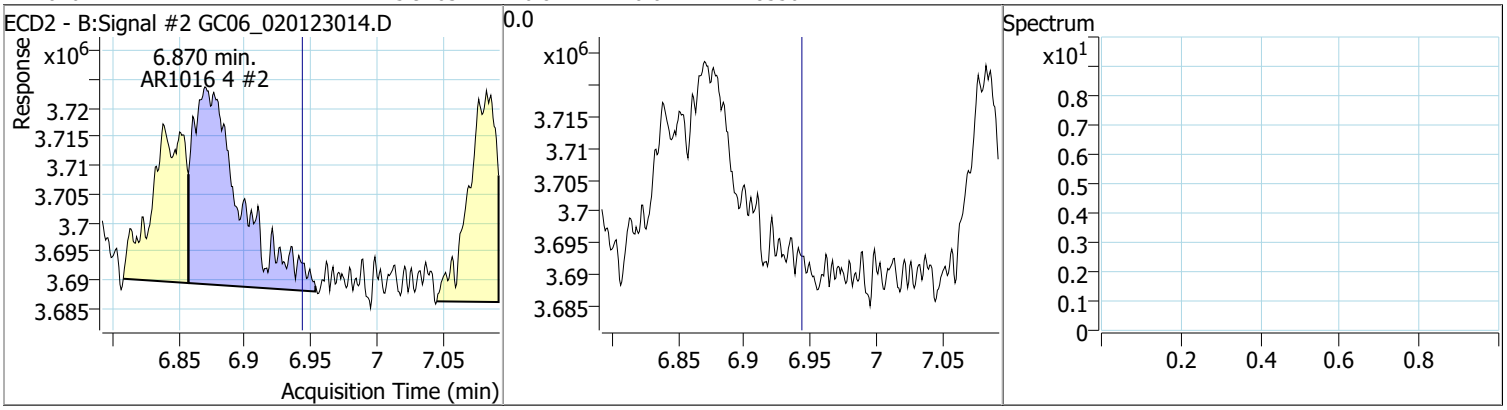
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	72.0948	6.40	0.03	123494				



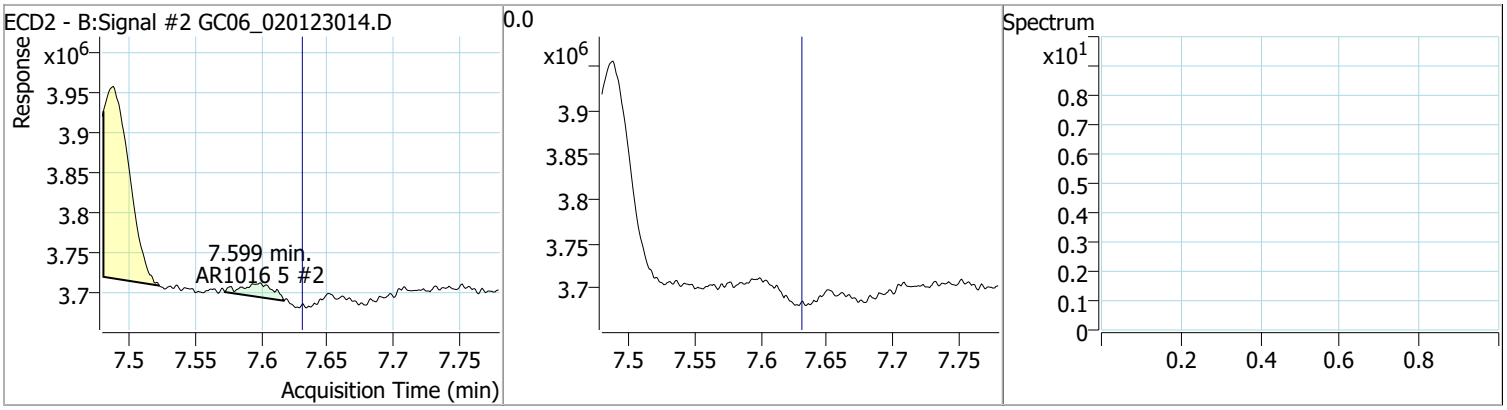
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	159.0894	6.87	0.10	3140346				



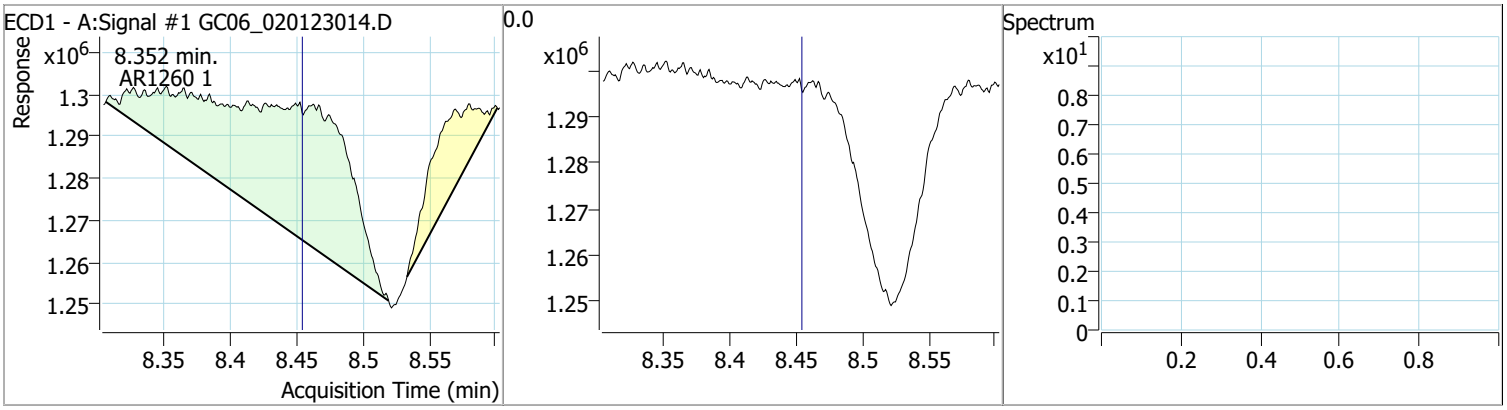
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.9403	6.87	-0.07	85567				



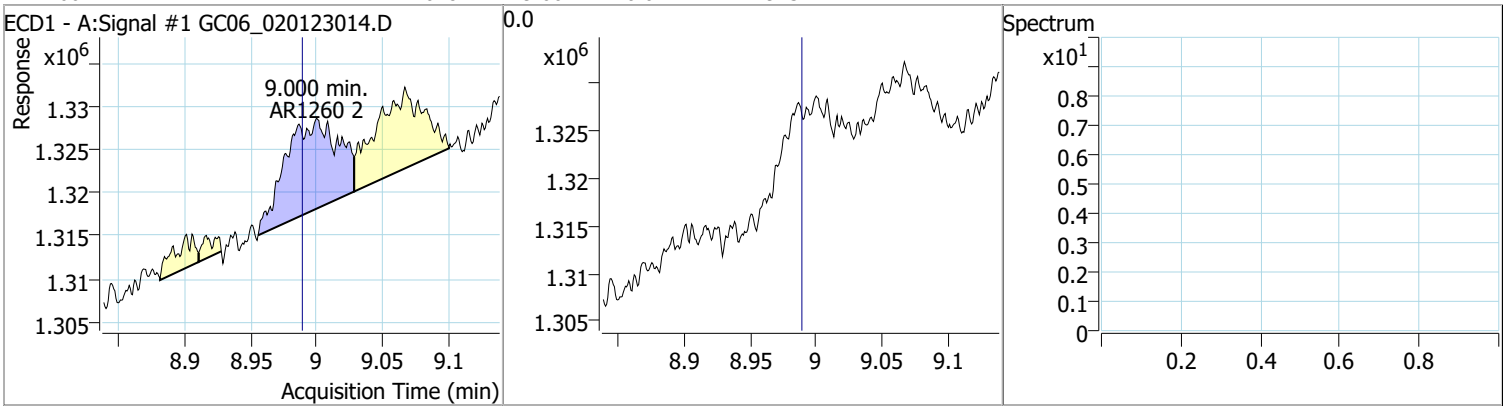
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.3866	7.60	-0.03	27556				



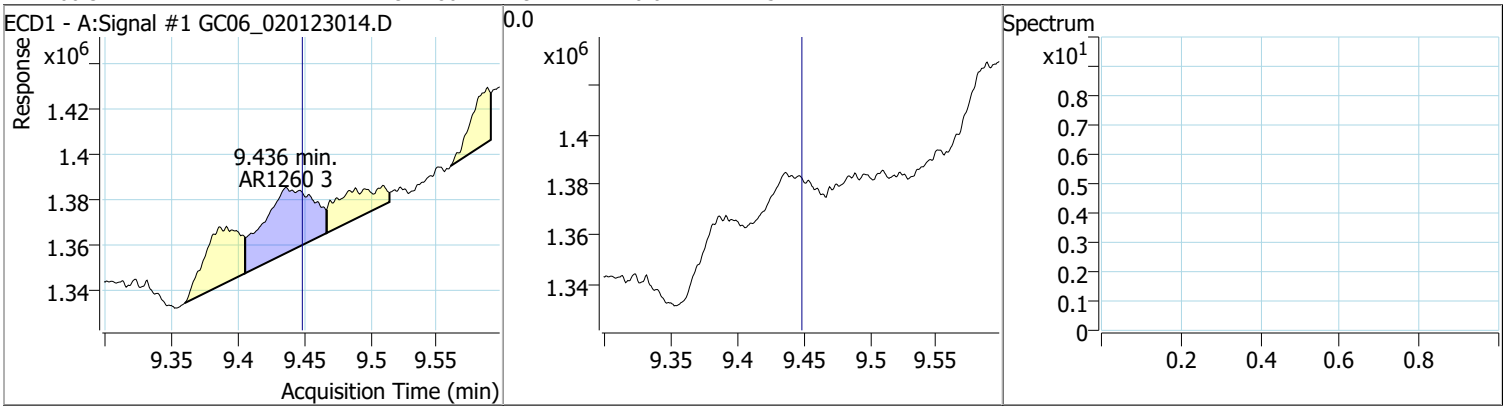
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	45.1852	8.35	-0.10	239746				



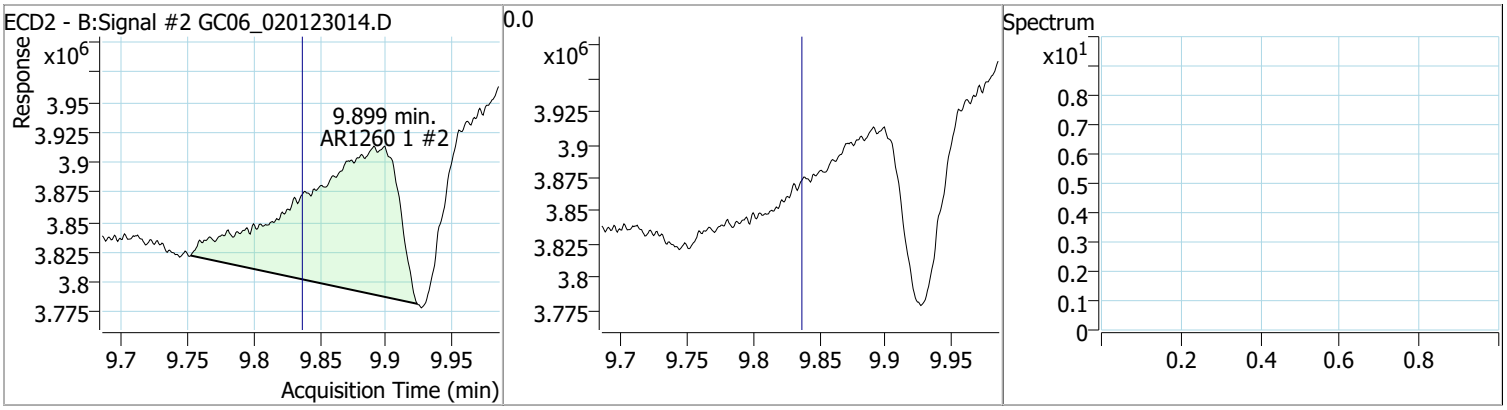
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.1048	9.00	0.01	29734				



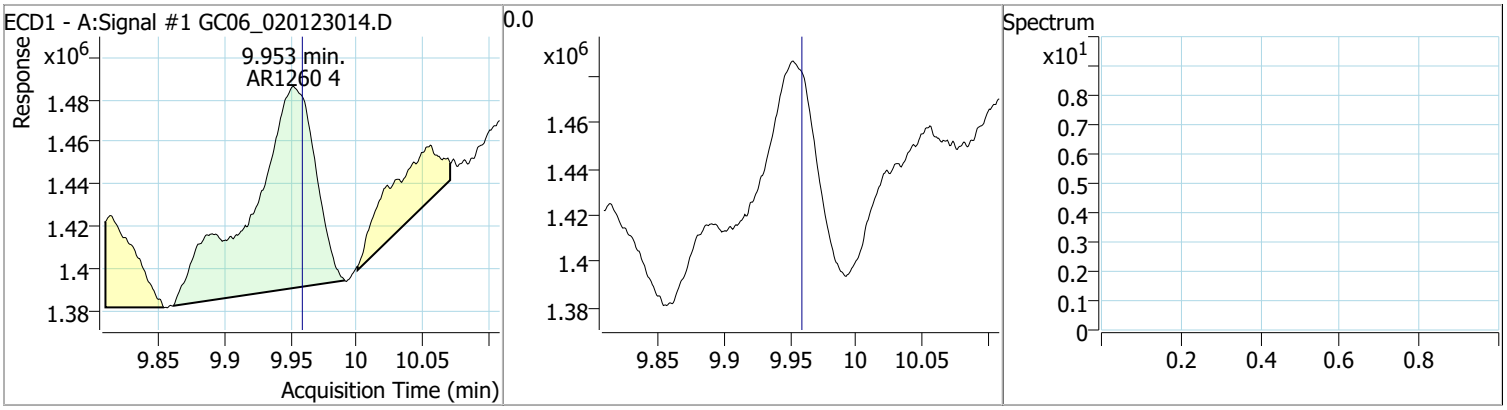
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.1486	9.44	-0.01	75447				



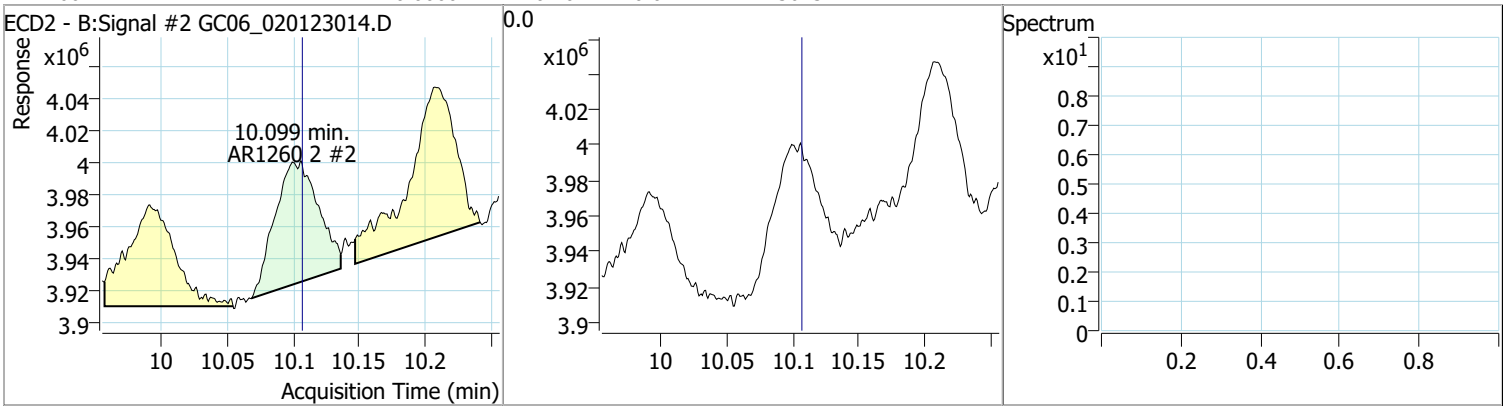
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	28.9519	9.90	0.06	635625				



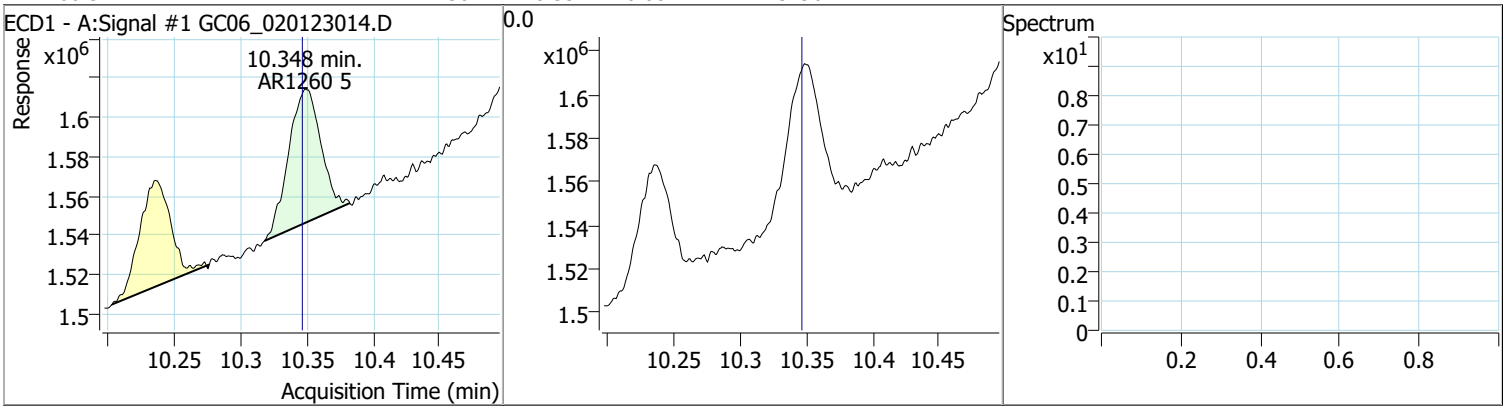
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	74.6733	9.95	-0.01	324223				



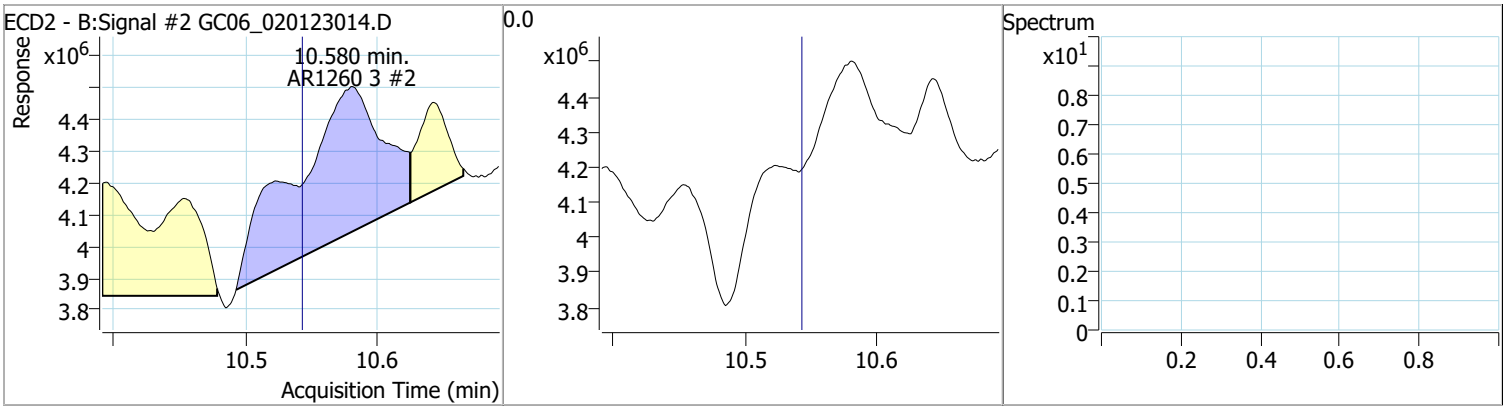
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.10	-0.01	173643				



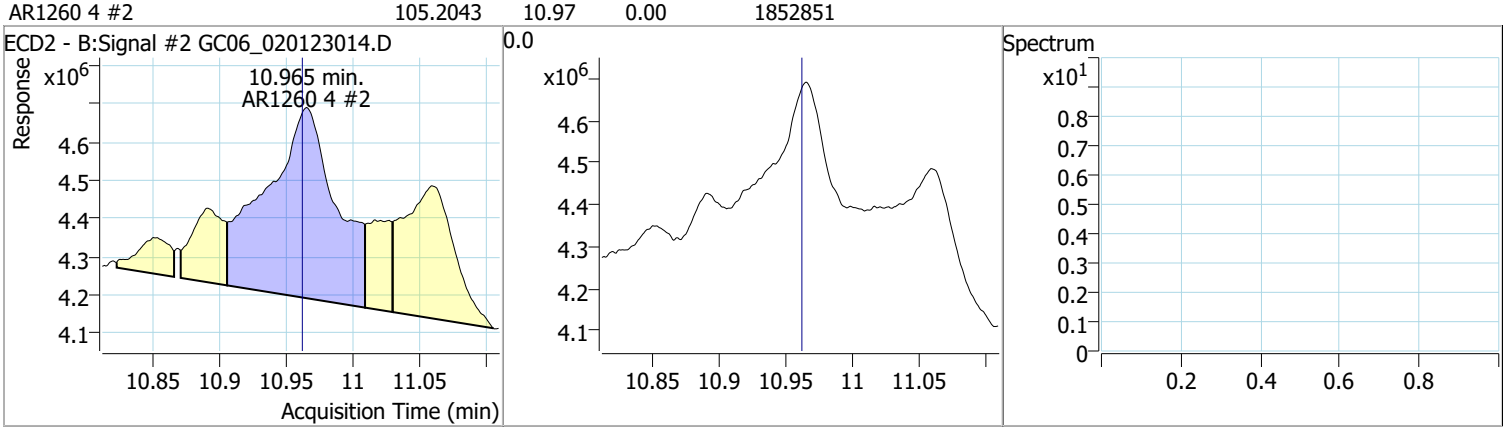
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.2430	10.35	0.00	115196				



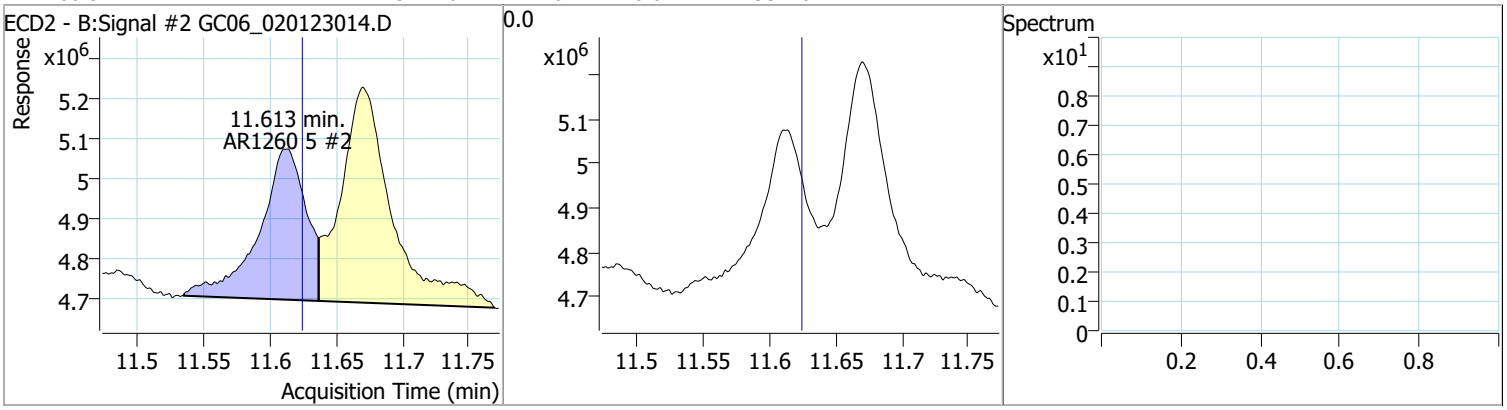
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	68.3011	10.58	0.04	2188176				



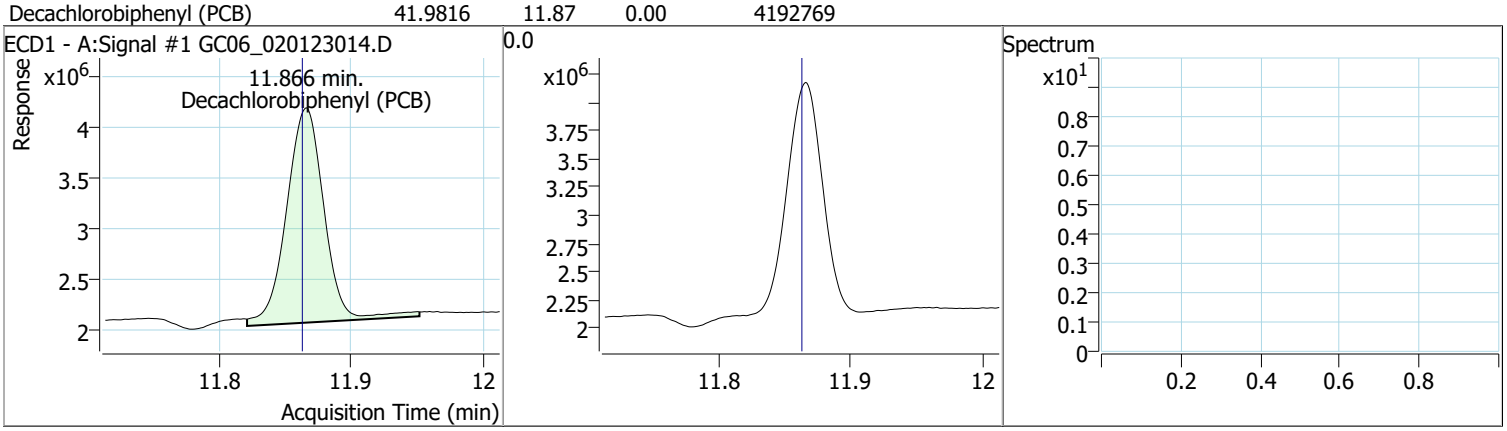
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	105.2043	10.97	0.00	1852851				



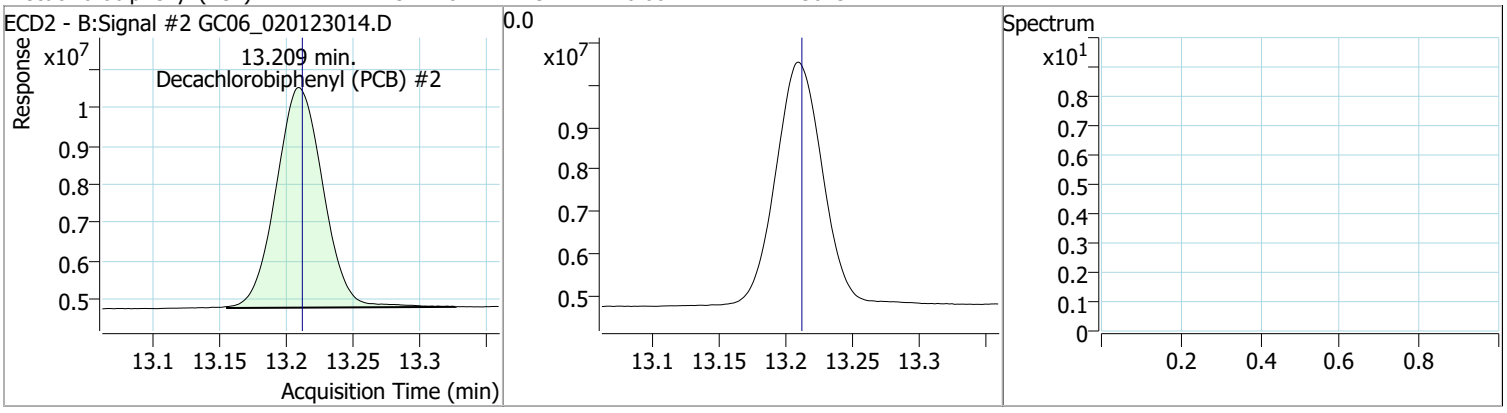
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	32.2161	11.61	-0.01	934704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.9816	11.87	0.00	4192769				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.2782	13.21	0.00	14243023				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-010	Client ID:	AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-LA
Seqnum:	453046656015	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123015	Batch:	306459	Time:	01-FEB-2023 14:17
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	60.48	~~0.60~~ ~~FP~~	0.66	9%	0.50		x u
Aroclor-1016 Peak # 1	B	74.10	0.74	0.77	4%			
Aroclor-1016 Peak # 2	B	64.16	0.64	ND	268%			
Aroclor-1016 Peak # 3	B	153.2	1.53	1.06	36%			
Aroclor-1016 Peak # 4	B	6.677	0.07	0.87	172%			
Aroclor-1016 Peak # 5	B	4.287	0.04	0.71	177%			
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	30.62	ND	0.21	36%	0.50		u
Aroclor-1260 Peak # 1	B	31.03	0.31	0.34	9%			
Aroclor-1260 Peak # 2	B	-7.697	ND	0.01	-280%			
Aroclor-1260 Peak # 3	B	8.068	0.08	0.06	36%			
Aroclor-1260 Peak # 4	B	100.9	1.01	0.61	49%			
Aroclor-1260 Peak # 5	B	20.75	0.21	0.04	134%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.45	0.5000	0.3645	73	19-121	u
Decachlorobiphenyl (PCB)	B	34.99	0.5000	0.3499	70	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	7341348	7.81
1-bromo-2-nitrobenzene (PCB)	A	1458049	1507242	3.37

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

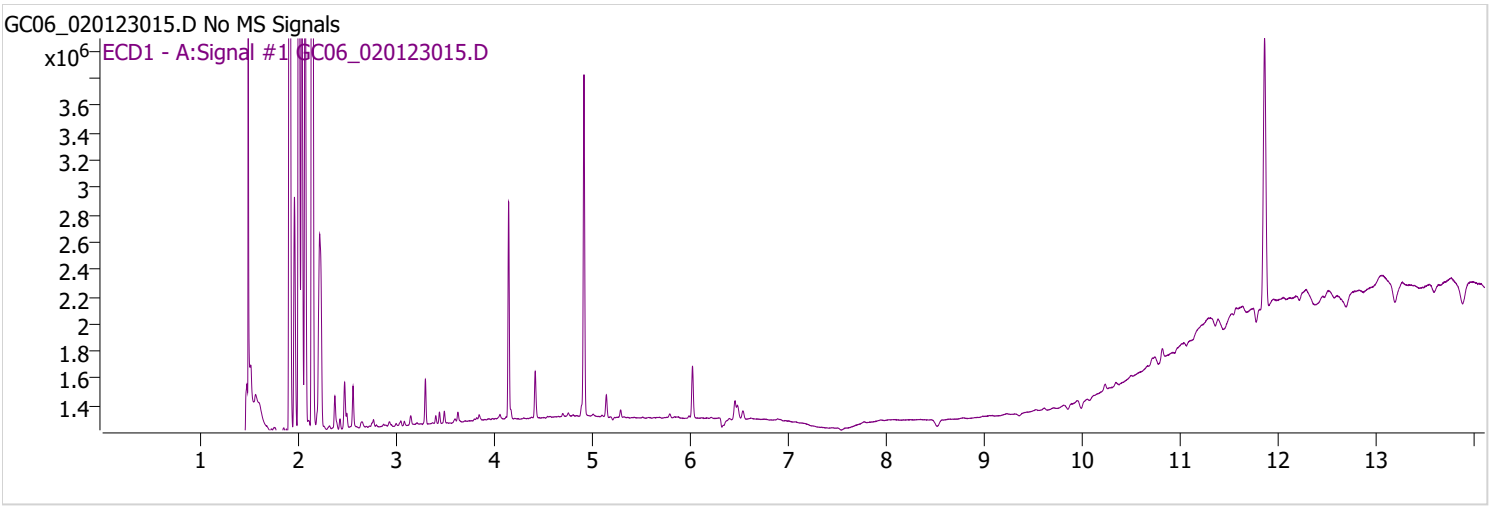
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

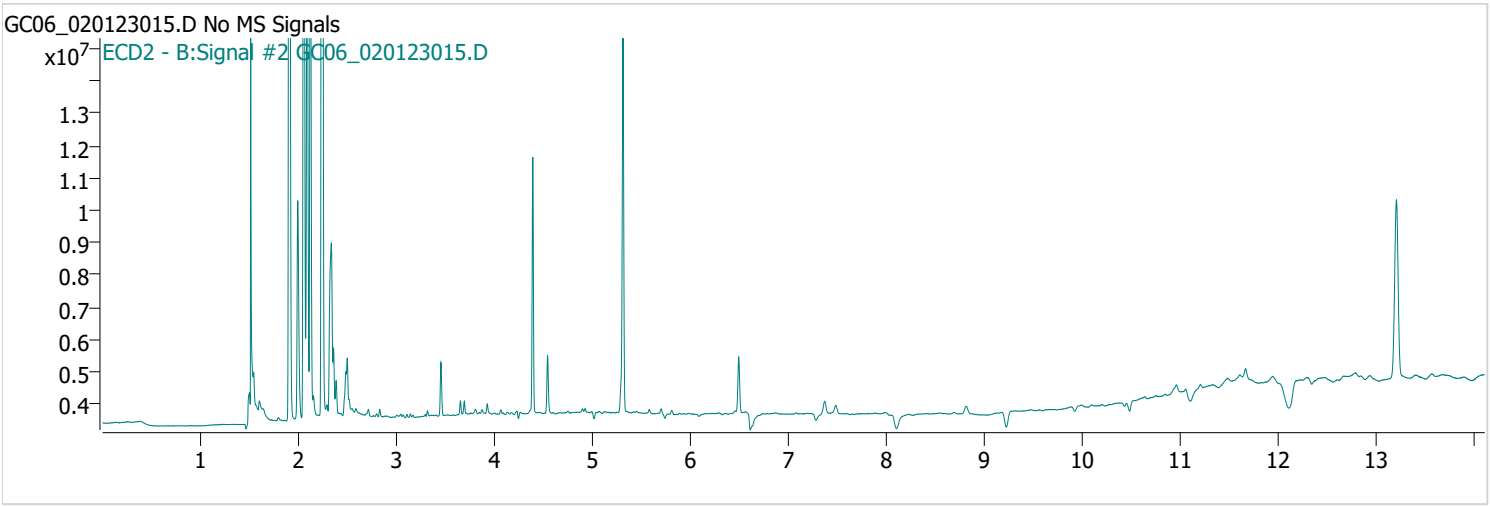
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 2:17:16 PM
Sample Name	478371-010, 306459, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



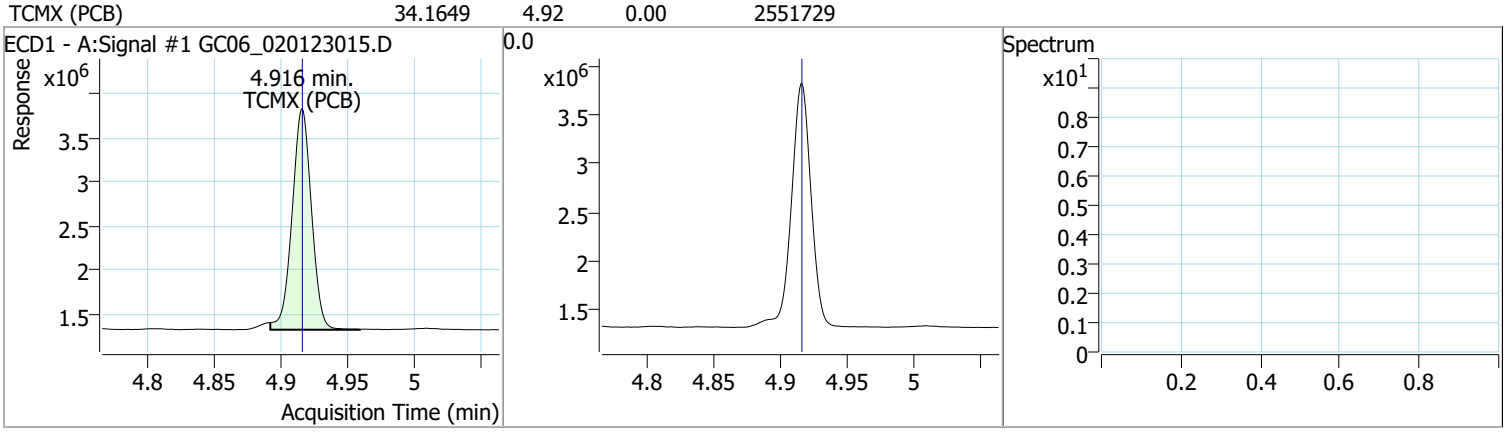


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.146	0.0	1507241.515	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	7341347.854	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.916	0.0	2551729.303	34.1649	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.82%		*	
S TCMX (PCB) #2	5.314	0.0	12939208.948	36.4460	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.23%		*	
S Decachlorobiphenyl (PCB)	11.866	0.0	3894366.683	37.0797	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.40%		*	
S Decachlorobiphenyl (PCB) #2	13.212	0.0	13944997.992	34.9922	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.96%		*	
Target Compounds							QValue

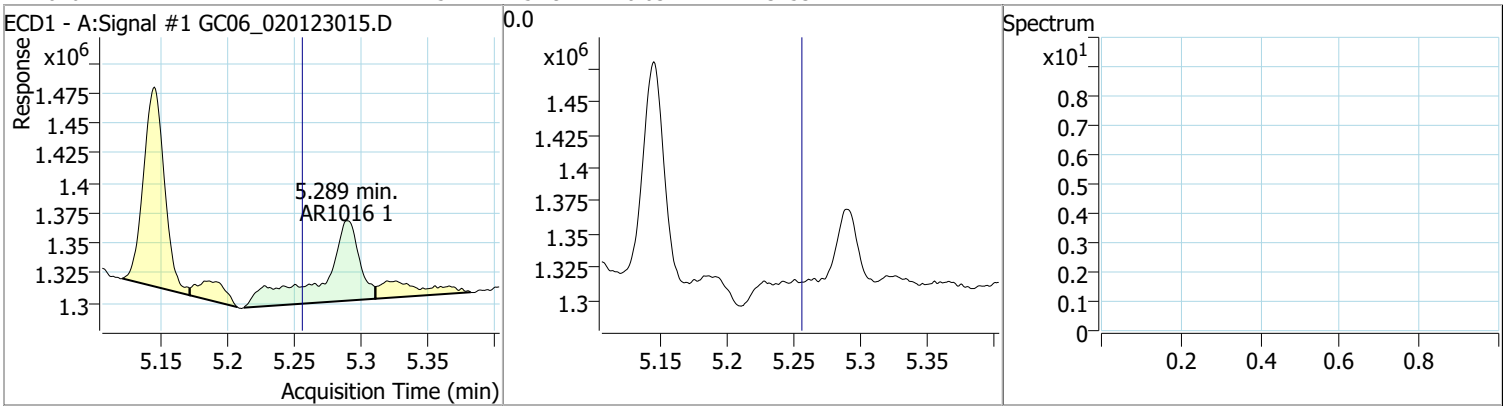
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.289	0.0	132537.107	77.1517	ng/ml	100
T AR1016 2	5.592	0.0	3085.241	0.0000	ng/ml	100
T AR1016 1 #2	5.813	0.0	600910.472	74.1002	ng/ml	100
T AR1016 3	6.023	0.0	456560.287	106.1455	ng/ml	100
T AR1016 4	6.215	0.0	239801.159	87.4041	ng/ml	100
T AR1016 2 #2	6.295	0.0	750299.298	64.1591	ng/ml	100
T AR1016 5	6.296	0.0	127902.879	71.0036	ng/ml	100
T AR1016 3 #2	6.875	0.0	3153595.293	153.1689	ng/ml	100
T AR1016 4 #2	6.875	0.0	100322.557	6.6772	ng/ml	100
T AR1016 5 #2	7.603	0.0	51628.475	4.2870	ng/ml	100
T AR1260 1	8.396	0.0	190338.237	34.1124	ng/ml	100
T AR1260 2	8.991	0.0	9757.964	1.2809	ng/ml	100
T AR1260 3	9.526	0.0	48832.670	5.6308	ng/ml	100
T AR1260 1 #2	9.892	0.0	710659.046	31.0340	ng/ml	100
T AR1260 4	9.954	0.0	280801.539	61.4981	ng/ml	100
T AR1260 2 #2	10.098	0.0	157479.339	0.0000	ng/ml	100
T AR1260 5	10.348	0.0	40473.137	4.0903	ng/ml	100
T AR1260 3 #2	10.456	0.0	269608.227	8.0683	ng/ml	100
T AR1260 4 #2	10.966	0.0	1853889.863	100.9201	ng/ml	100
T AR1260 5 #2	11.612	0.0	628087.833	20.7549	ng/ml	100

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

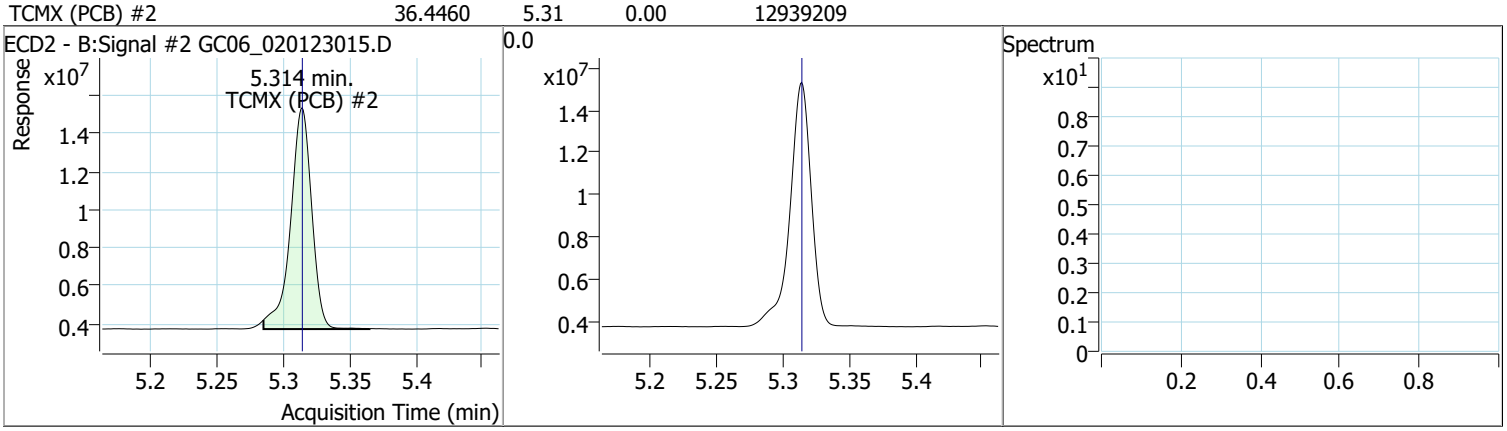
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.1649	4.92	0.00	2551729				



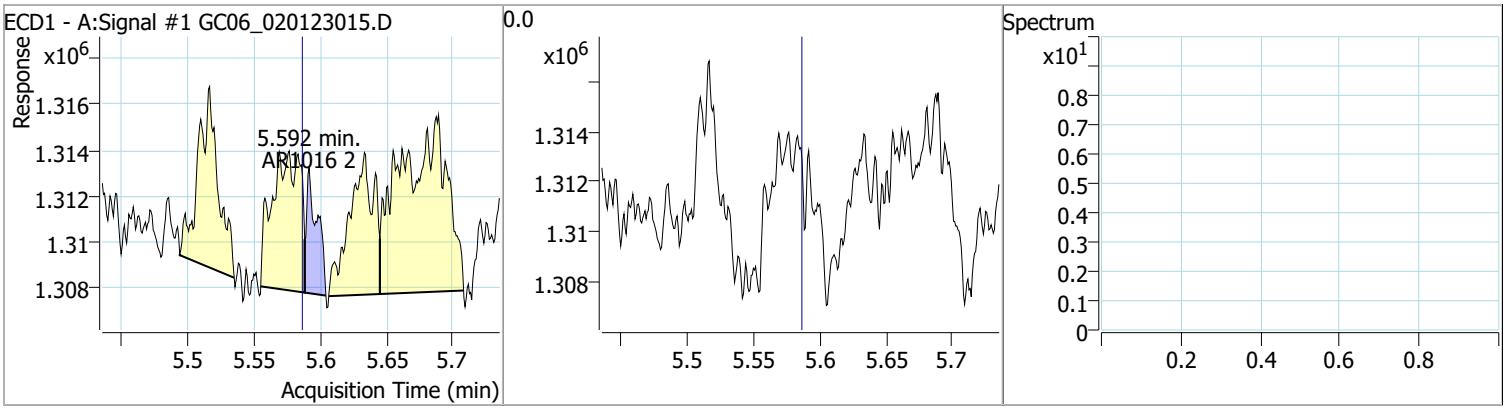
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	77.1517	5.29	0.03	132537				



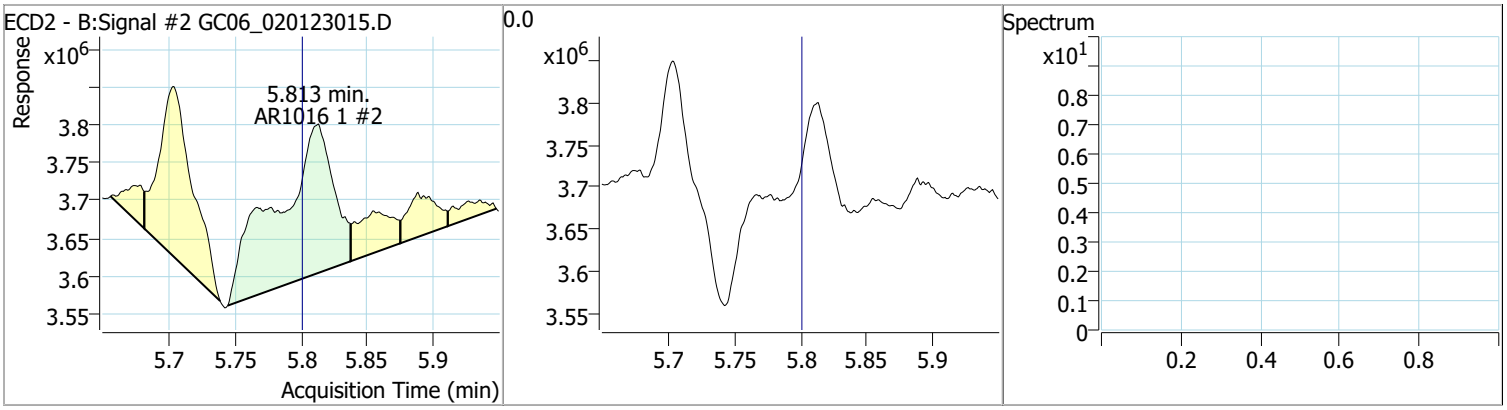
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.4460	5.31	0.00	12939209				



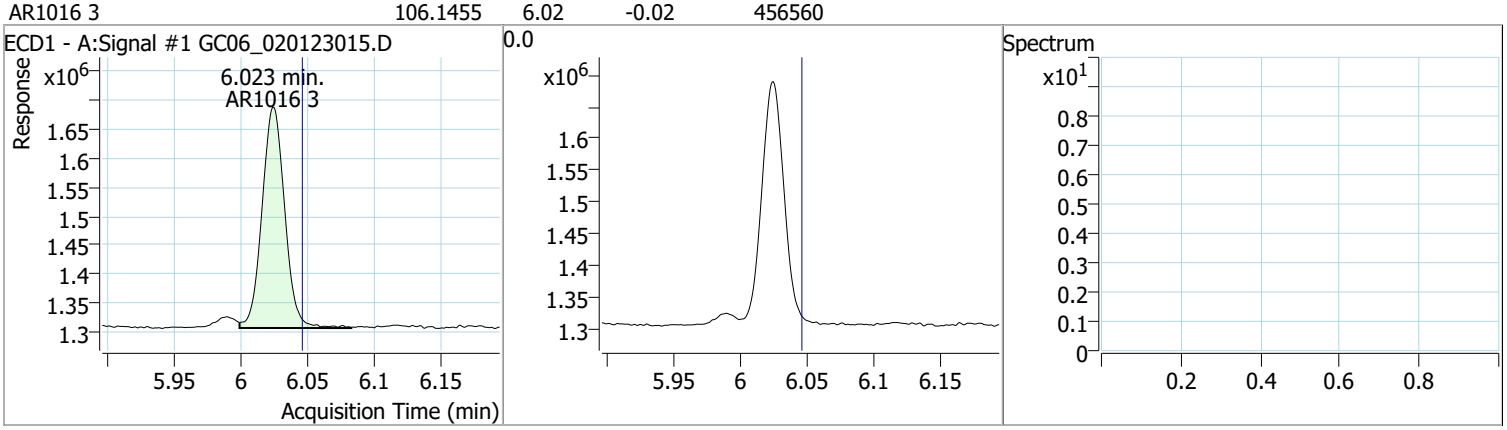
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.59	0.00	3085				



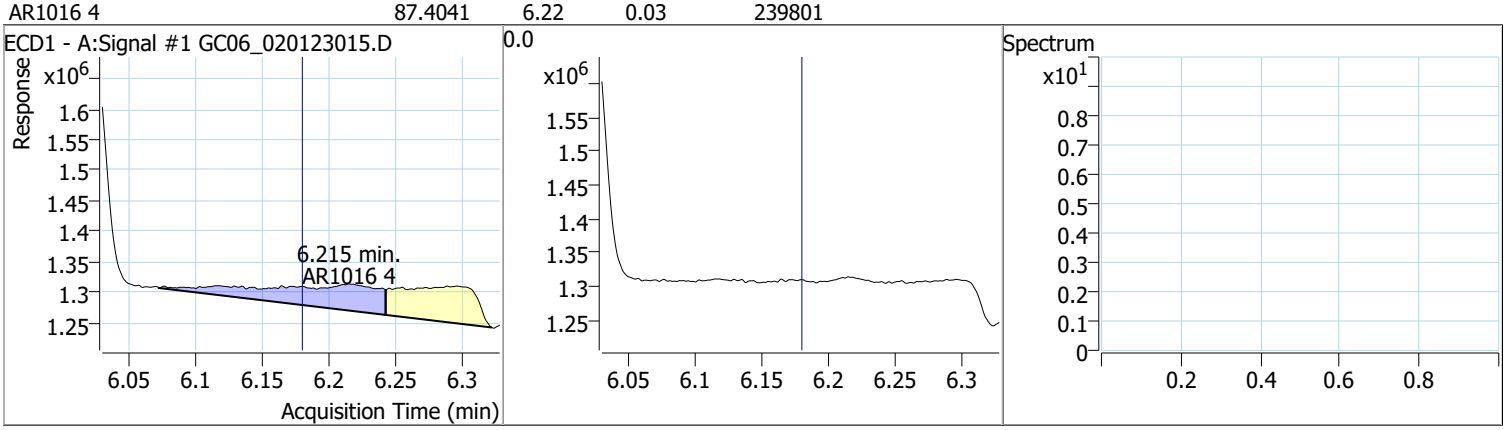
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	74.1002	5.81	0.01	600910				



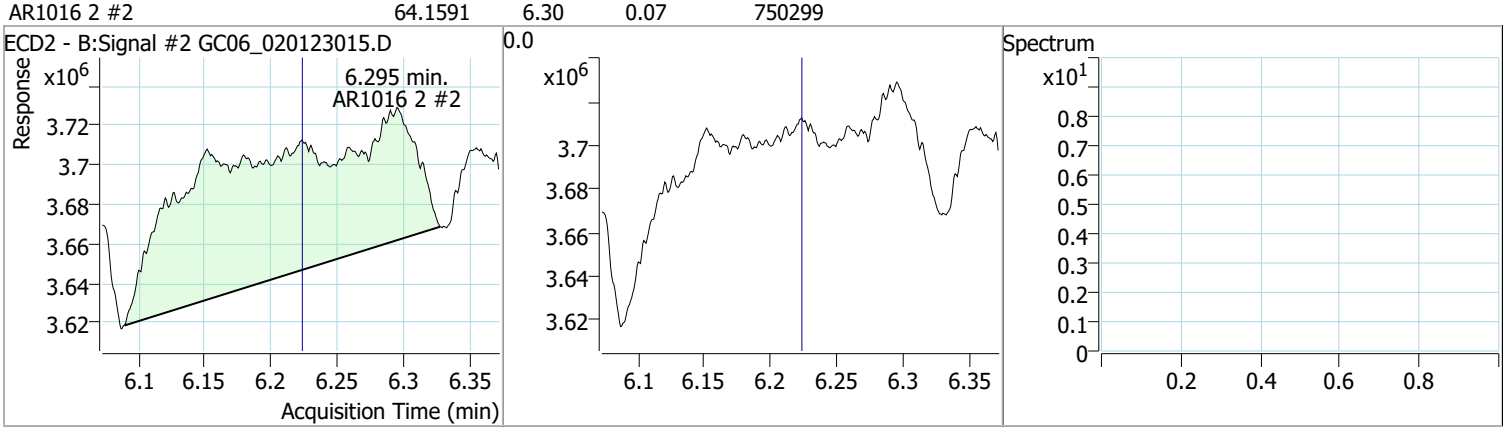
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	106.1455	6.02	-0.02	456560				



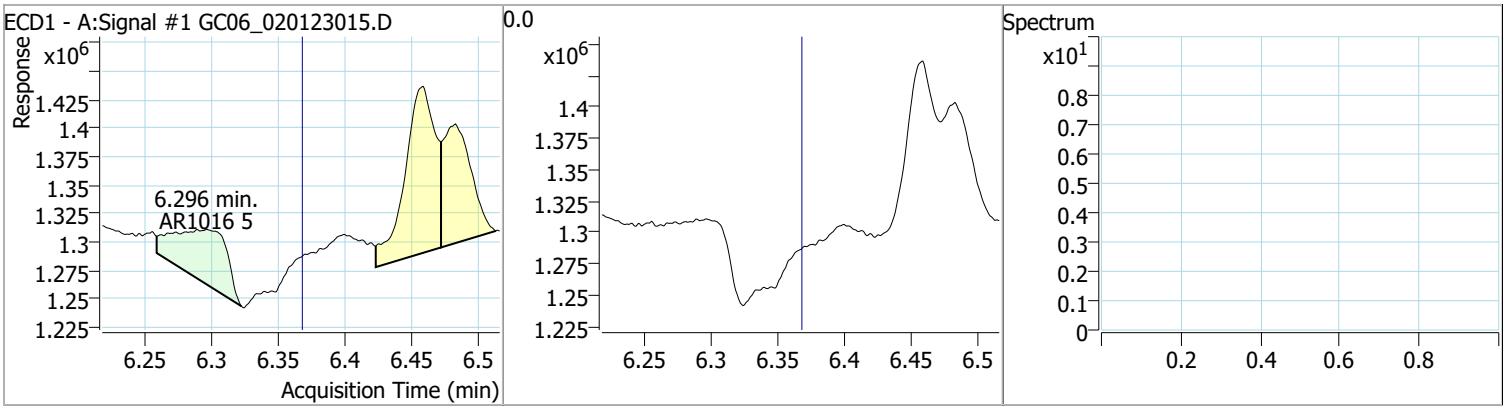
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	87.4041	6.22	0.03	239801				



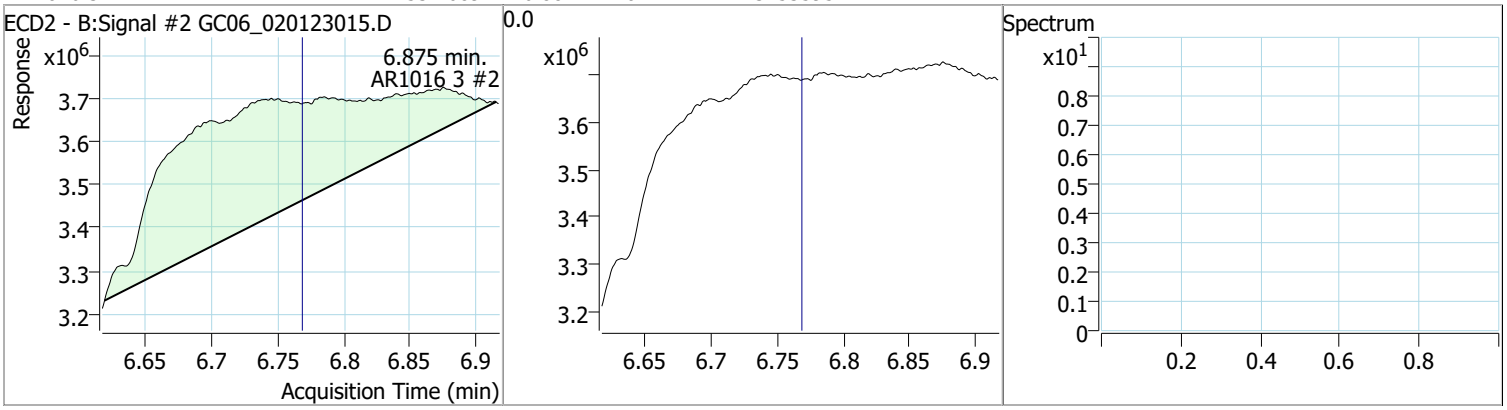
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	64.1591	6.30	0.07	750299				



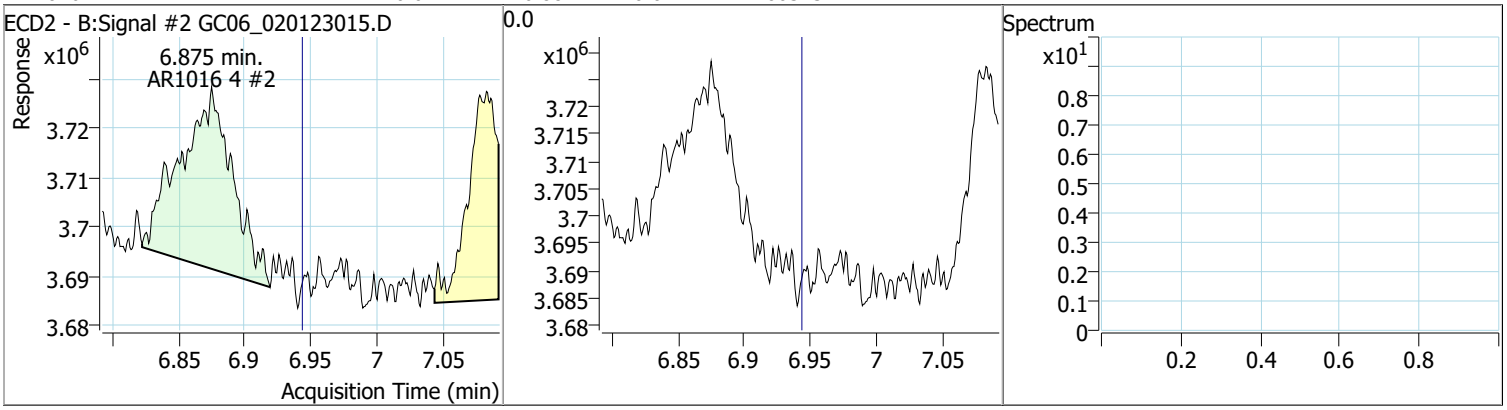
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	71.0036	6.30	-0.07	127903				



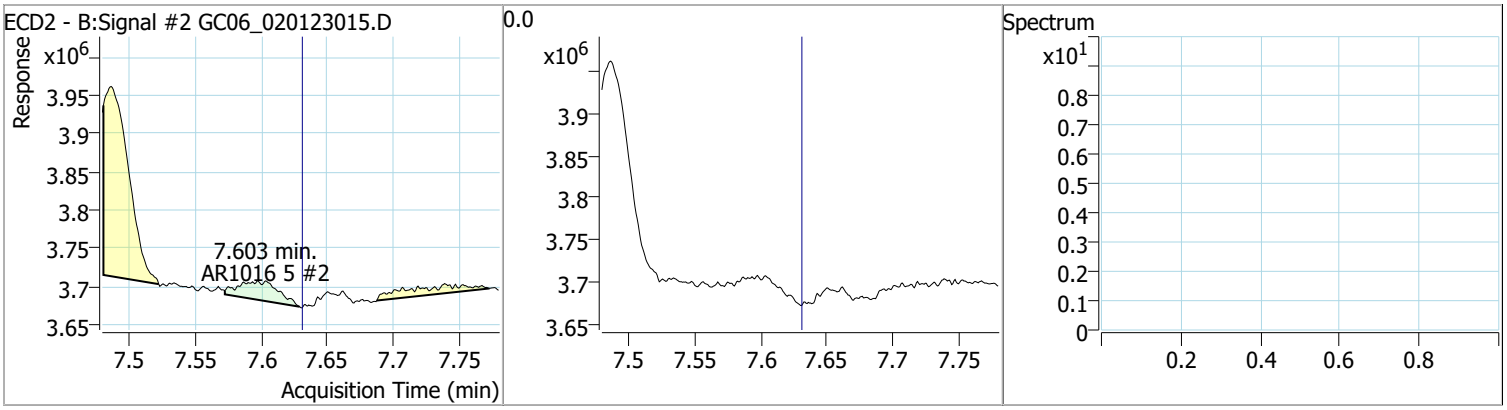
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	153.1689	6.88	0.11	3153595				



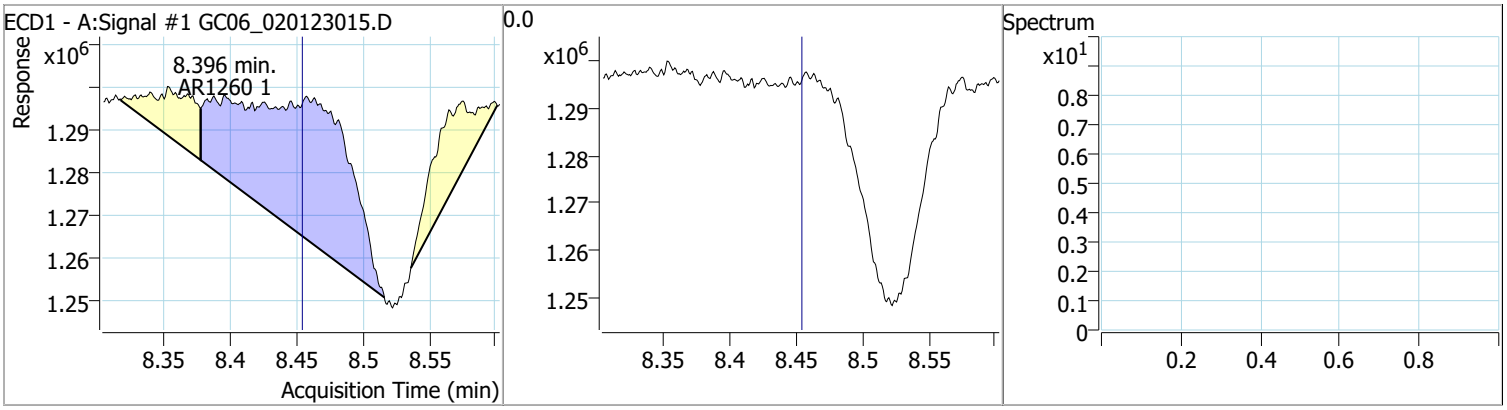
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.6772	6.88	-0.07	100323				



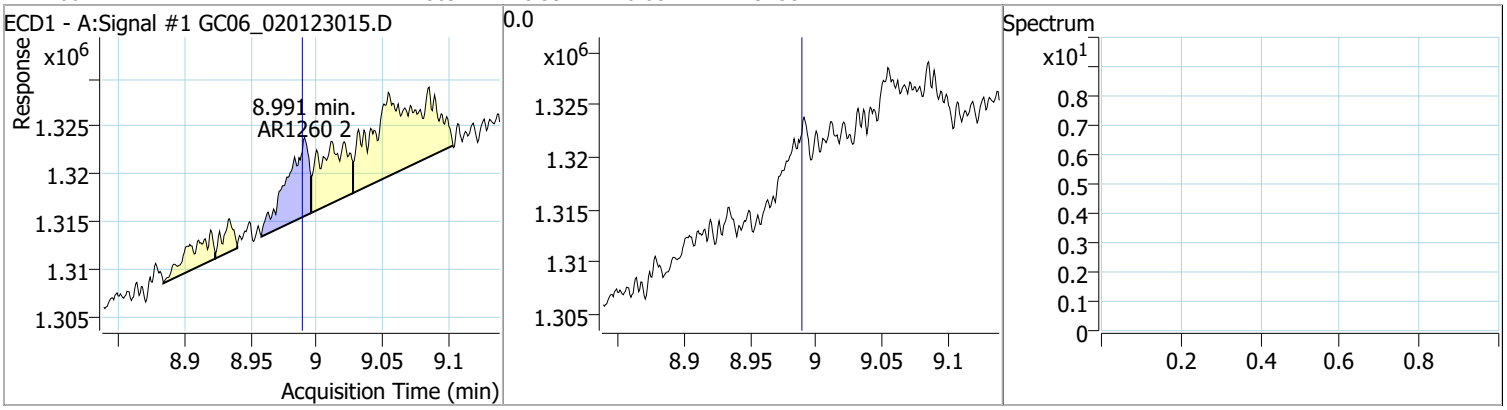
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.2870	7.60	-0.03	51628				



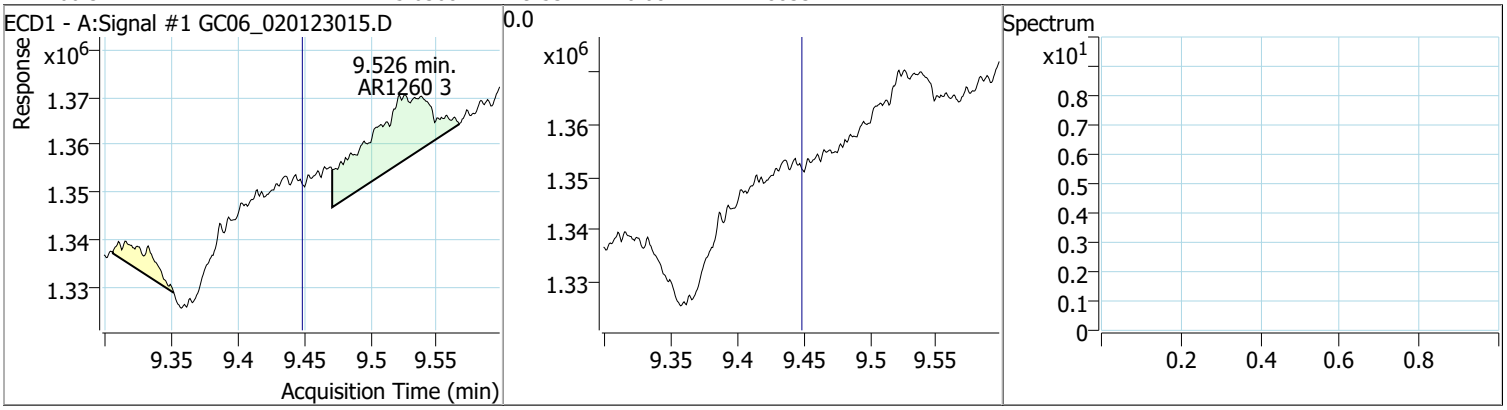
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	34.1124	8.40	-0.06	190338				



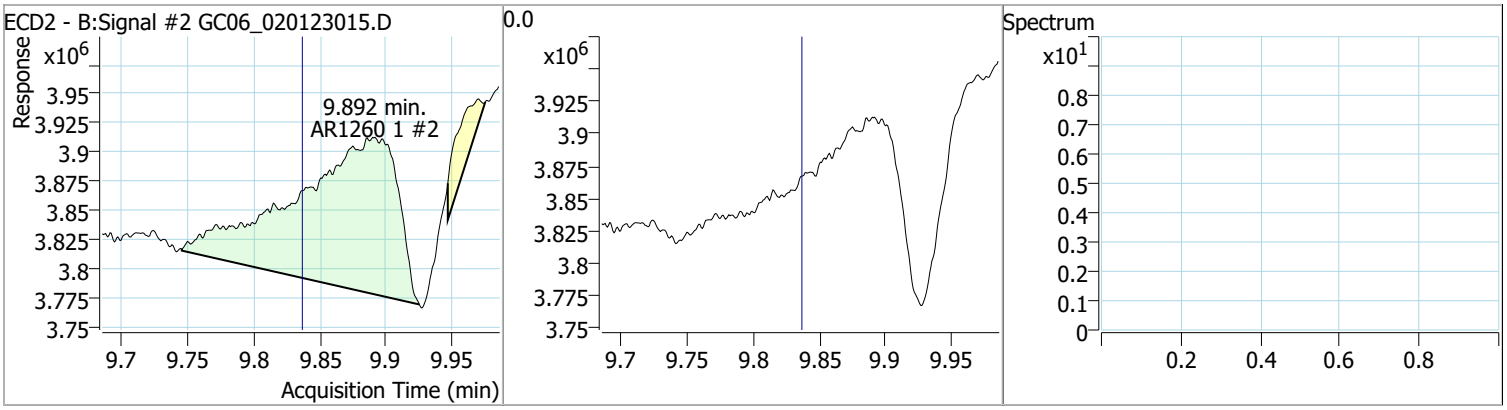
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2809	8.99	0.00	9758				



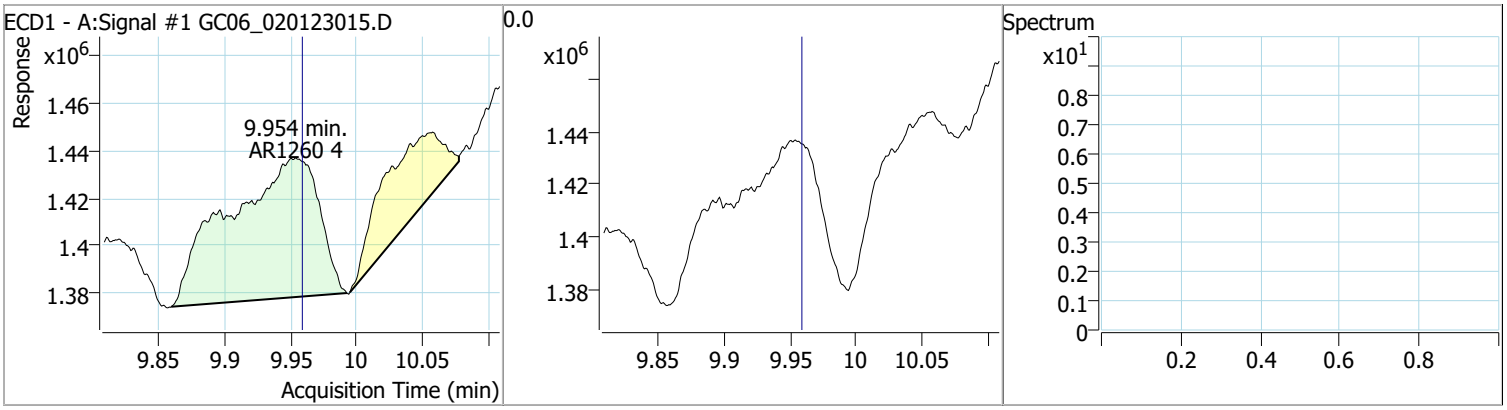
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.6308	9.53	0.08	48833				



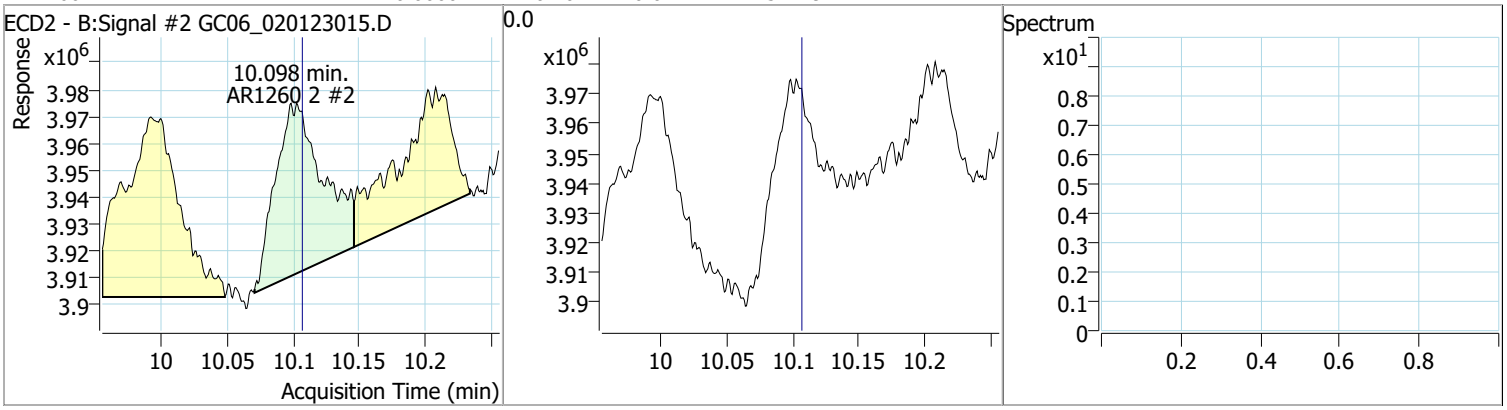
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	31.0340	9.89	0.06	710659				



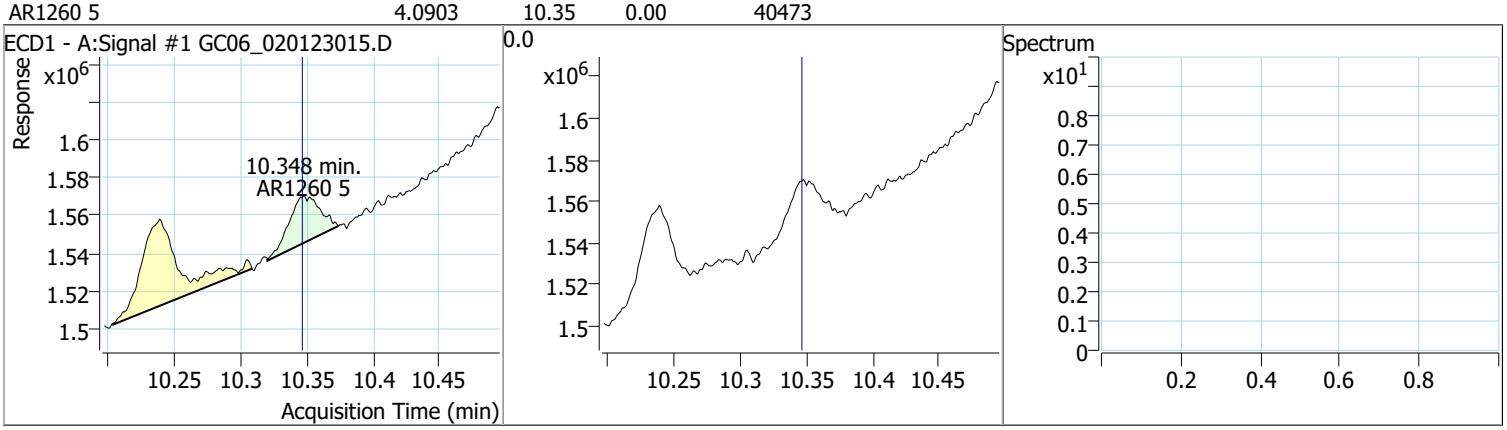
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	61.4981	9.95	-0.01	280802				



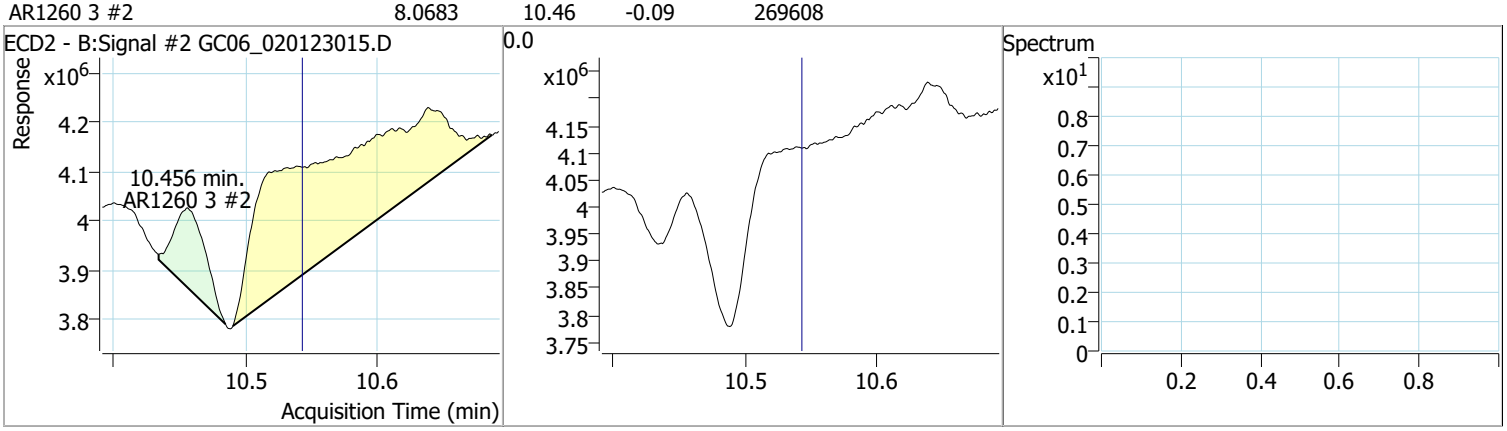
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.10	-0.01	157479				



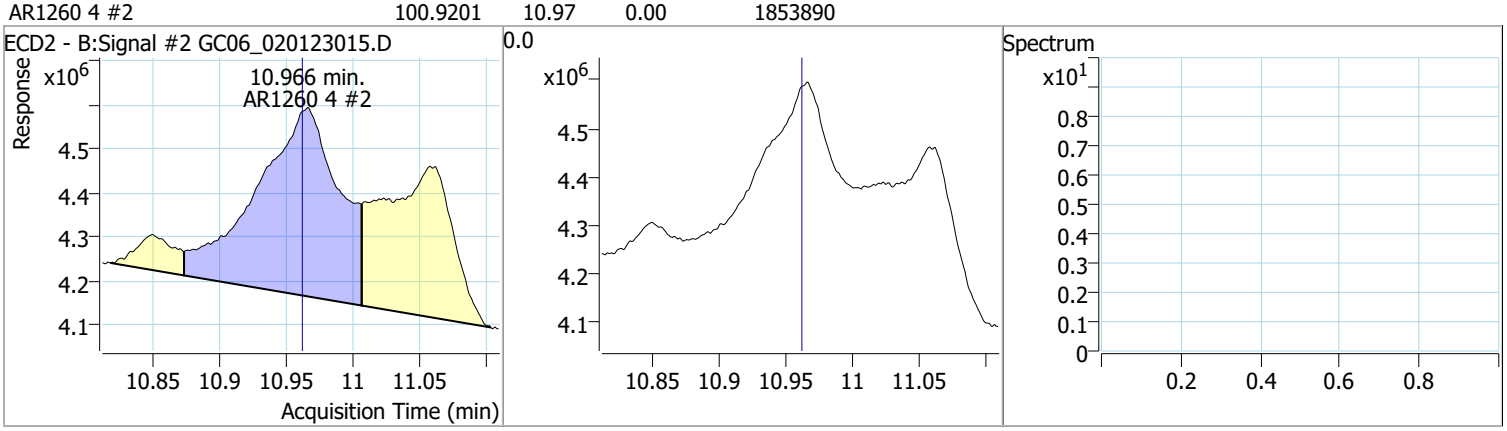
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.0903	10.35	0.00	40473				



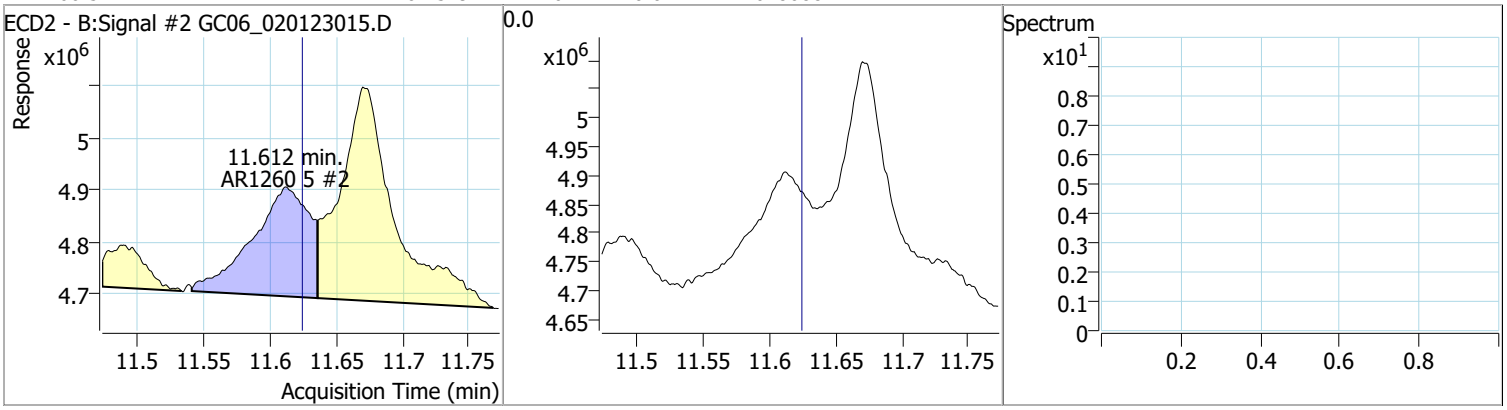
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.0683	10.46	-0.09	269608				



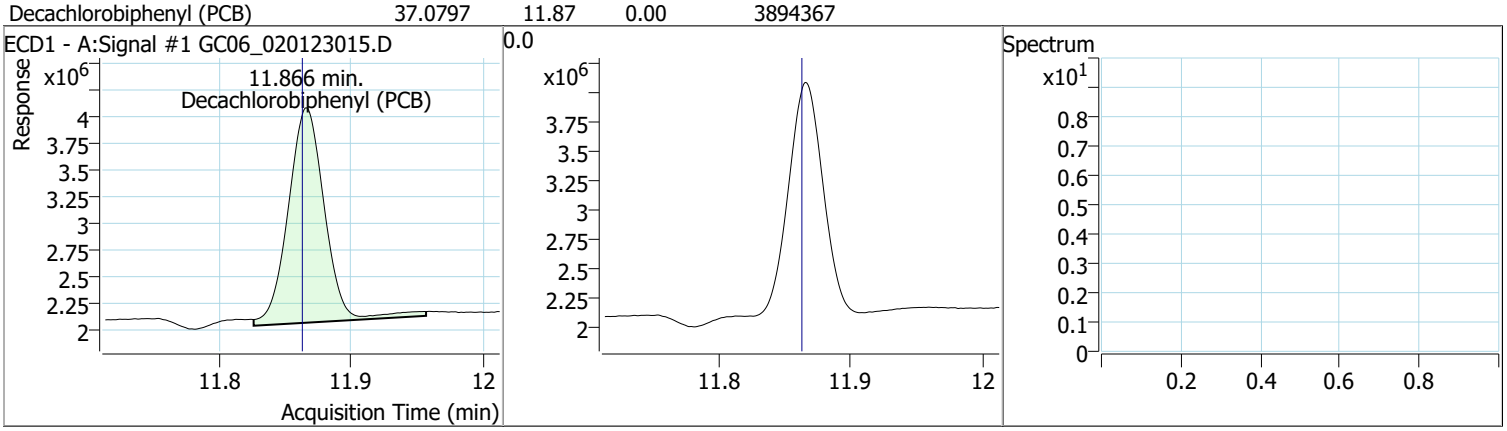
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	100.9201	10.97	0.00	1853890				



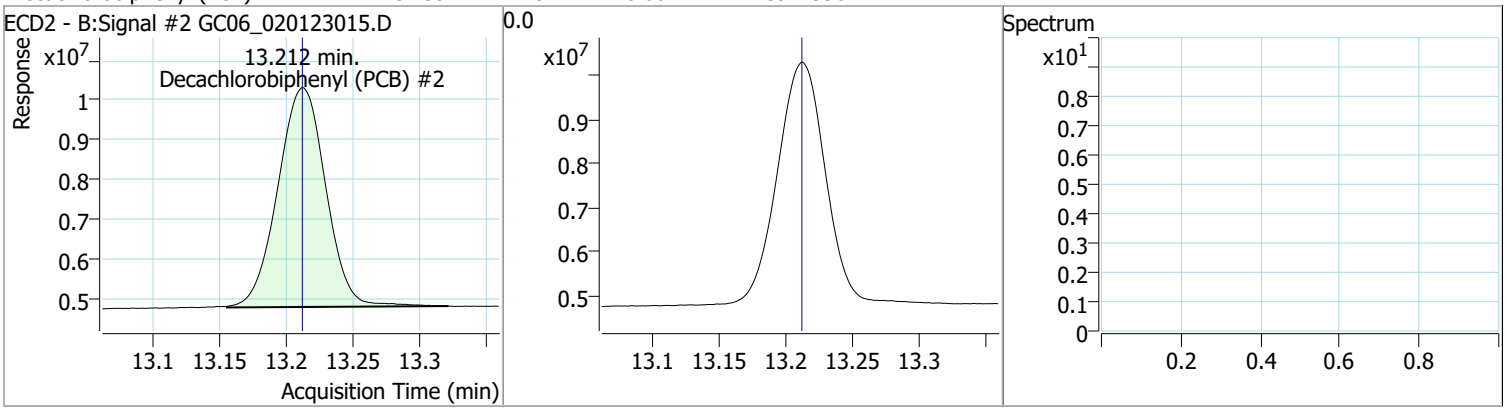
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.7549	11.61	-0.01	628088				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.0797	11.87	0.00	3894367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.9922	13.21	0.00	13944998				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-011	Client ID:	AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-DUP-LA
Seqnum:	453046656016	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123016	Batch:	306459	Time:	01-FEB-2023 14:35
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	176.0	~~1.8~~ ~~FP~~	2.1	17%	0.50		x u
Aroclor-1016 Peak # 1	B	703.8	7.04	7.95	12%			
Aroclor-1016 Peak # 2	B	16.19	0.16	ND	323%			
Aroclor-1016 Peak # 3	B	153.0	1.53	0.65	81%			
Aroclor-1016 Peak # 4	B	4.898	0.05	0.94	180%			
Aroclor-1016 Peak # 5	B	2.325	0.02	0.95	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	30.83	ND	0.17	59%	0.50		u
Aroclor-1260 Peak # 1	B	35.95	0.36	0.10	116%			
Aroclor-1260 Peak # 2	B	-8.158	ND	0.01	-268%			
Aroclor-1260 Peak # 3	B	7.460	0.07	0.09	20%			
Aroclor-1260 Peak # 4	B	96.27	0.96	0.61	45%			
Aroclor-1260 Peak # 5	B	22.60	0.23	0.04	146%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.85	0.5000	0.3985	80	19-121	u
Decachlorobiphenyl (PCB)	B	38.81	0.5000	0.3881	78	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	7202605	5.77
1-bromo-2-nitrobenzene (PCB)	A	1458049	1470826	0.88

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

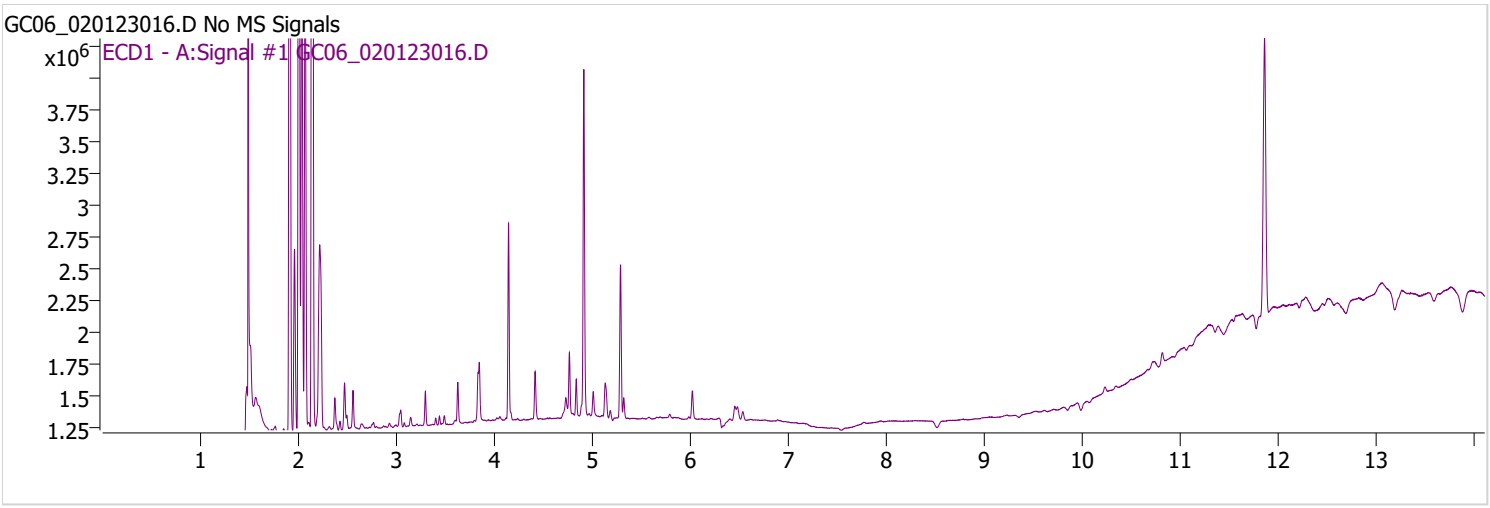
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

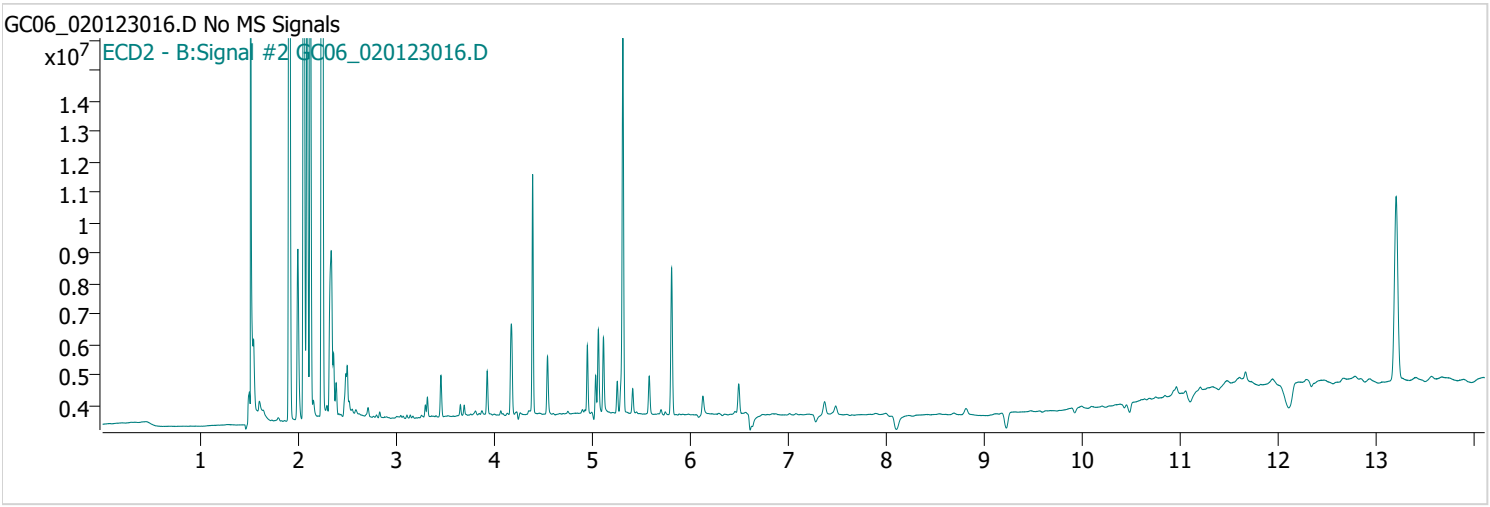
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 2:35:36 PM
Sample Name	478371-011, 306459, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



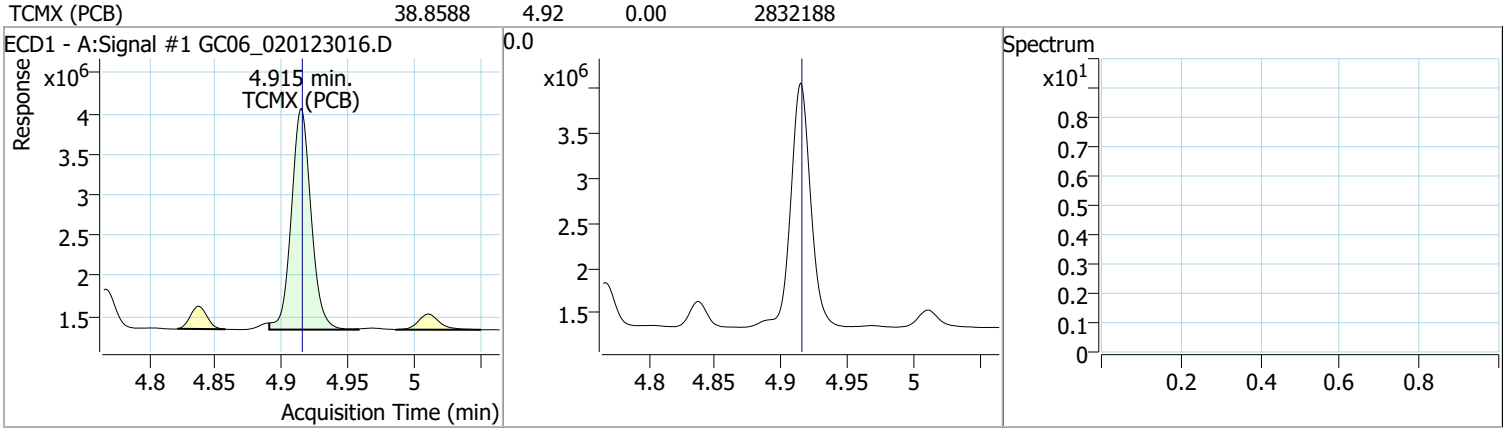


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.146	0.0	1470825.999	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	7202605.288	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.915	0.0	2832187.987	38.8588	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.29%		*	
S TCMX (PCB) #2	5.313	0.0	13881378.167	39.8530	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.26%		*	
S Decachlorobiphenyl (PCB)	11.867	0.0	4180037.138	40.7850	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.93%		*	
S Decachlorobiphenyl (PCB) #2	13.210	0.0	15174448.264	38.8108	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.05%		*	
Target Compounds							QValue

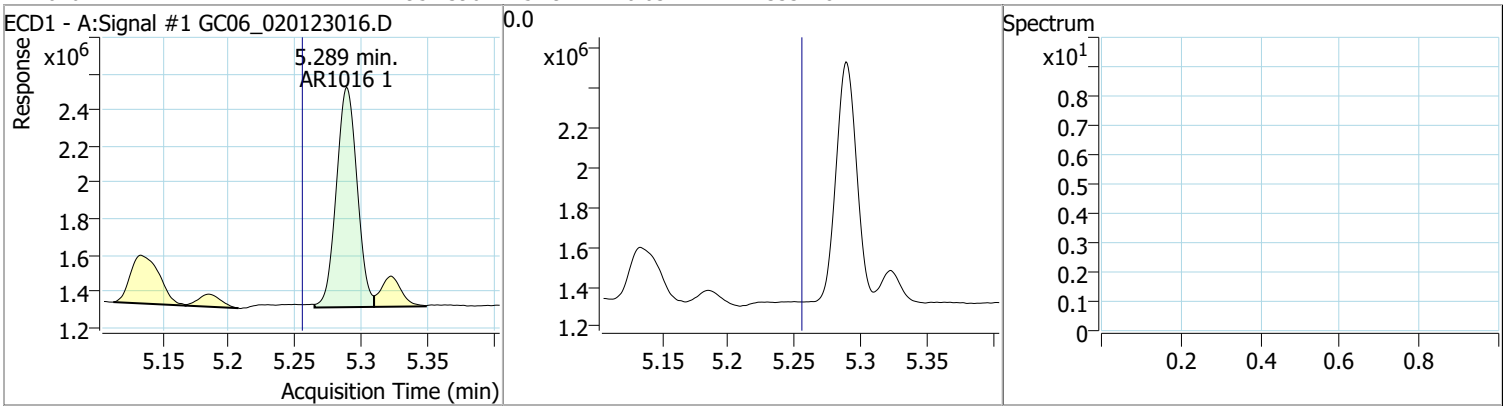
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.289	0.0	1333117.565	795.2396	ng/ml	100
T AR1016 2	5.578	0.0	20903.708	0.0000	ng/ml	100
T AR1016 1 #2	5.812	0.0	5599853.959	703.8376	ng/ml	100
T AR1016 3	6.023	0.0	271043.084	64.5749	ng/ml	100
T AR1016 4	6.217	0.0	252746.518	94.4033	ng/ml	100
T AR1016 2 #2	6.222	0.0	185707.625	16.1860	ng/ml	100
T AR1016 5	6.288	0.0	166202.950	94.5497	ng/ml	100
T AR1016 3 #2	6.850	0.0	3089948.731	152.9685	ng/ml	100
T AR1016 4 #2	6.873	0.0	72206.978	4.8985	ng/ml	100
T AR1016 5 #2	7.653	0.0	27474.094	2.3253	ng/ml	100
T AR1260 1	8.582	0.0	51976.480	9.5458	ng/ml	100
T AR1260 2	8.921	0.0	8779.551	1.1810	ng/ml	100
T AR1260 3	9.536	0.0	76963.850	9.0942	ng/ml	100
T AR1260 1 #2	9.896	0.0	807662.676	35.9495	ng/ml	100
T AR1260 4	9.954	0.0	271022.992	60.8261	ng/ml	100
T AR1260 2 #2	10.099	0.0	143528.225	0.0000	ng/ml	100
T AR1260 5	10.349	0.0	34255.732	3.5477	ng/ml	100
T AR1260 3 #2	10.456	0.0	244565.521	7.4598	ng/ml	100
T AR1260 4 #2	10.966	0.0	1735105.430	96.2733	ng/ml	100
T AR1260 5 #2	11.613	0.0	671102.982	22.6034	ng/ml	100

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

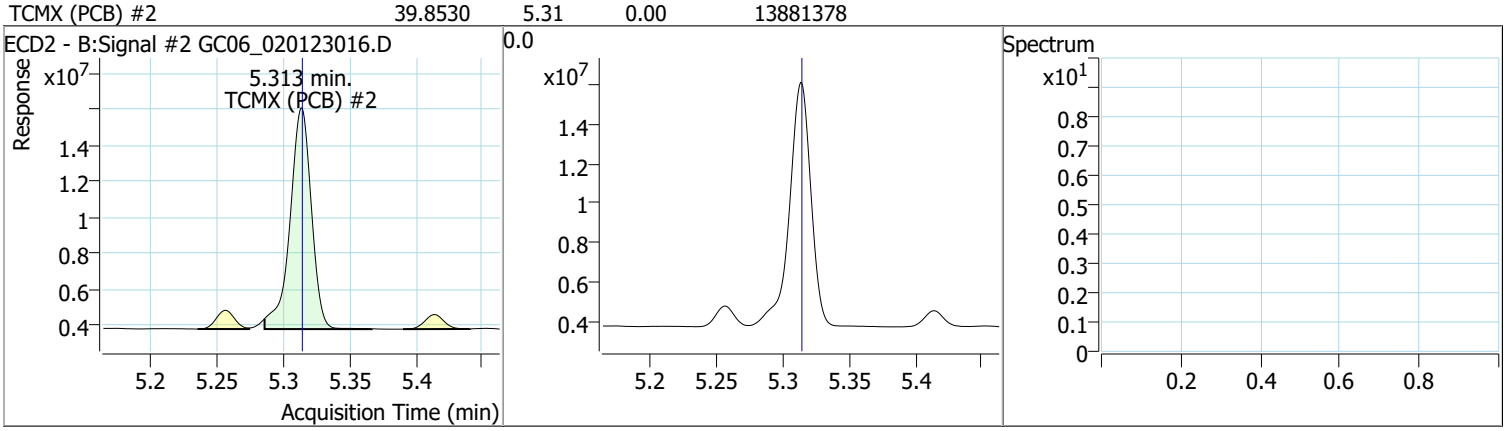
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.8588	4.92	0.00	2832188				



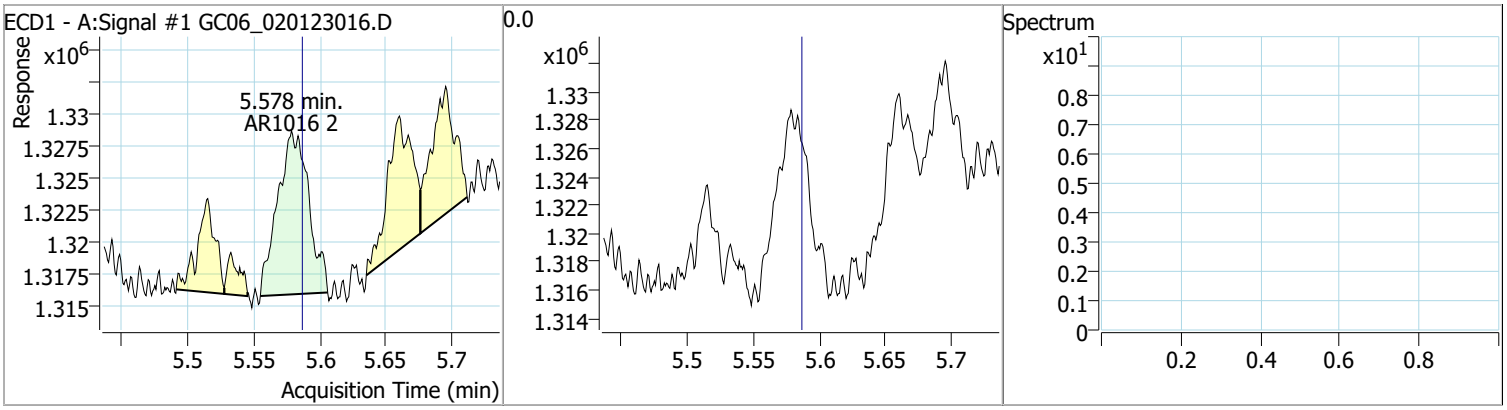
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	795.2396	5.29	0.03	1333118				



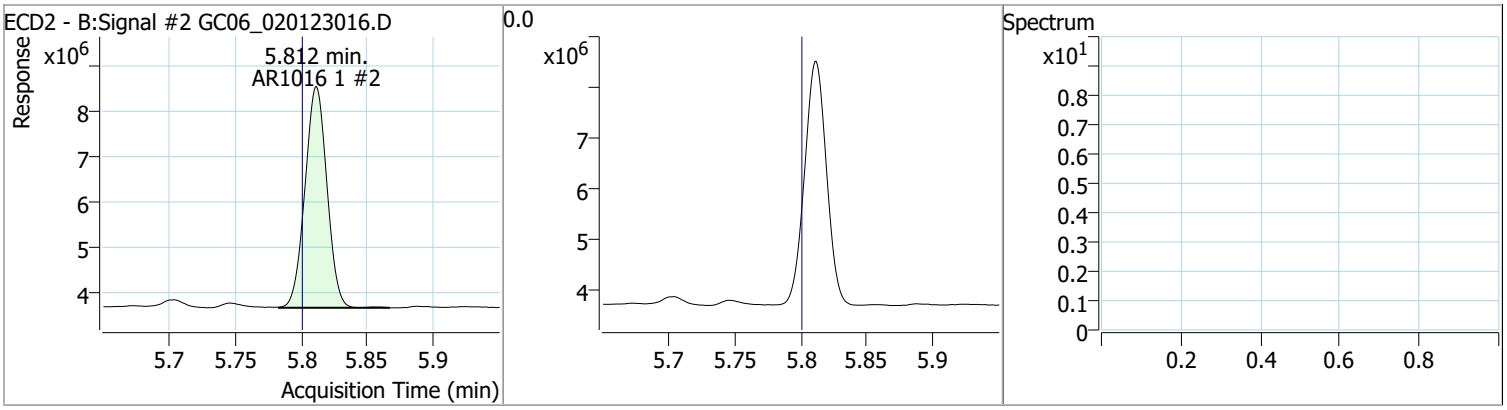
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.8530	5.31	0.00	13881378				



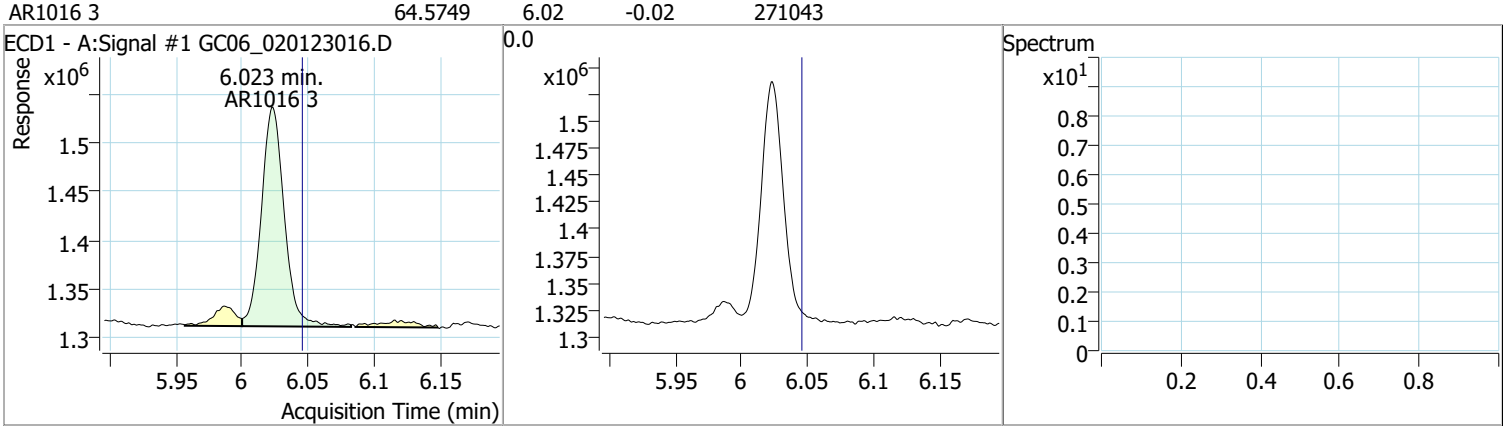
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	-0.01	20904				



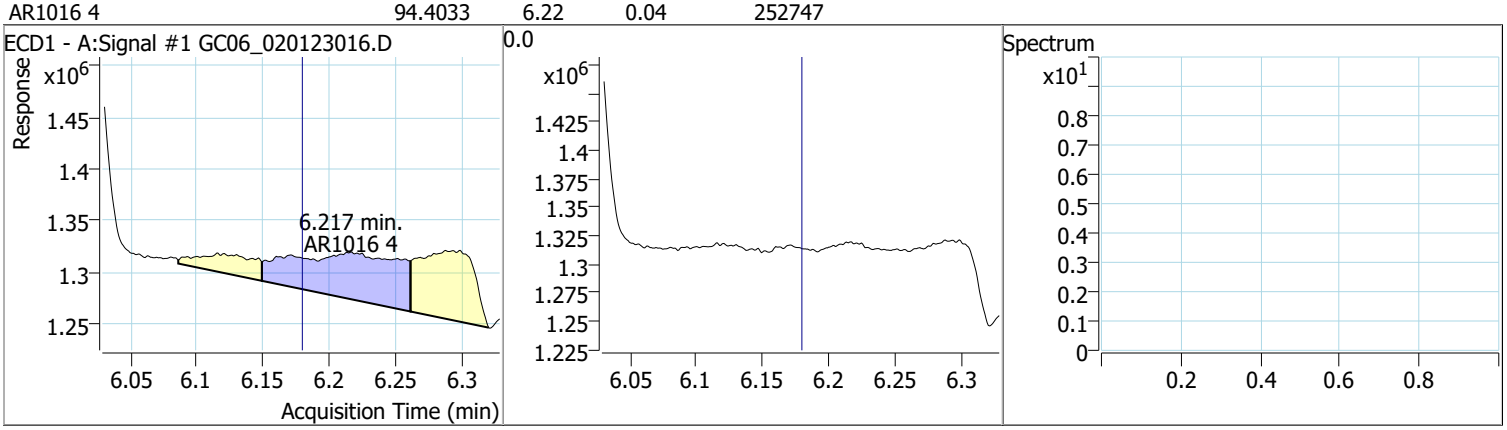
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	703.8376	5.81	0.01	5599854				



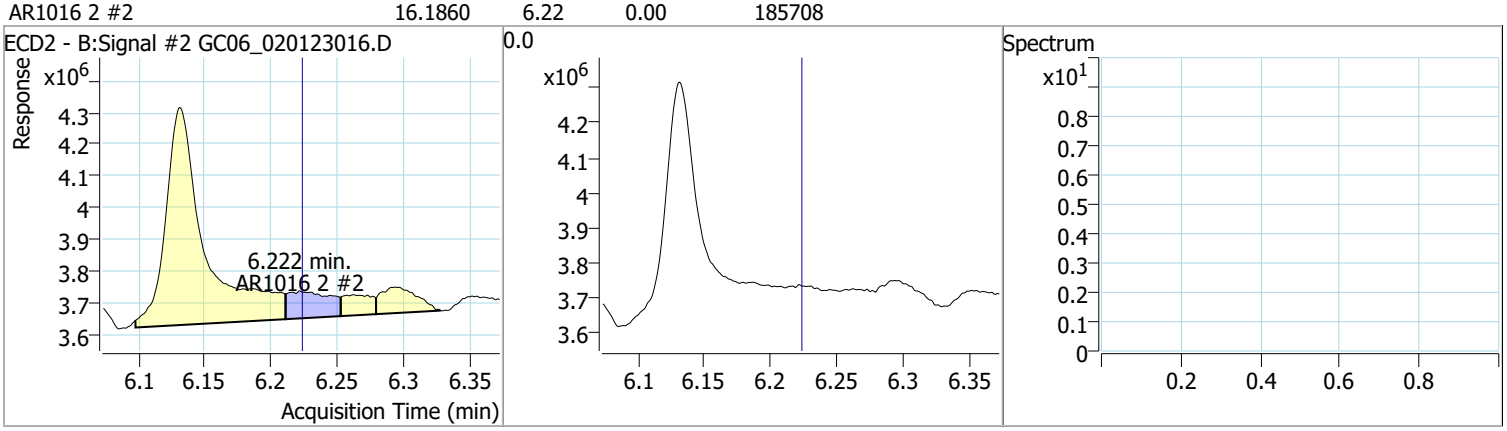
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	64.5749	6.02	-0.02	271043				



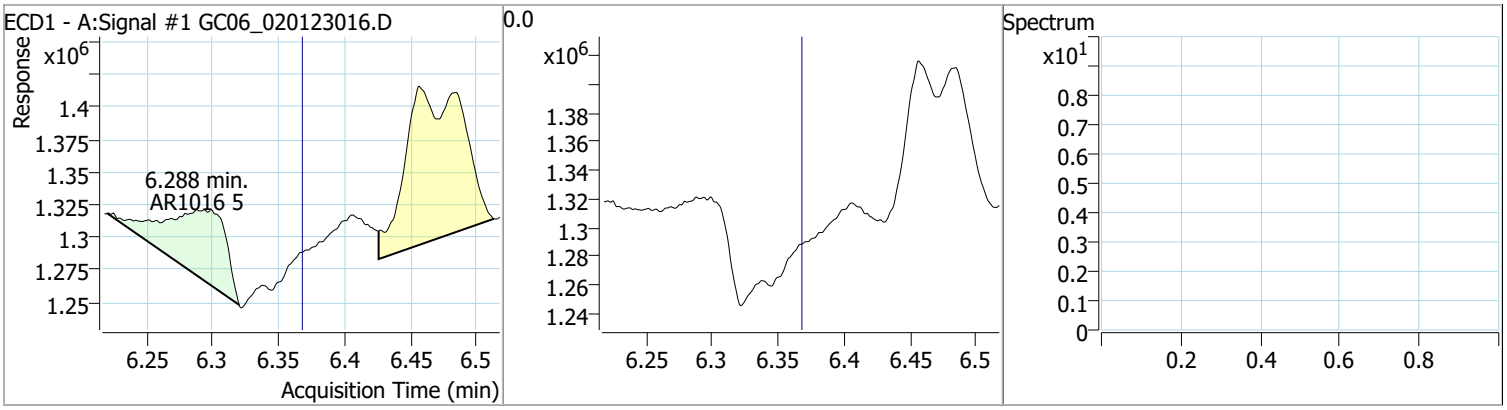
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	94.4033	6.22	0.04	252747				



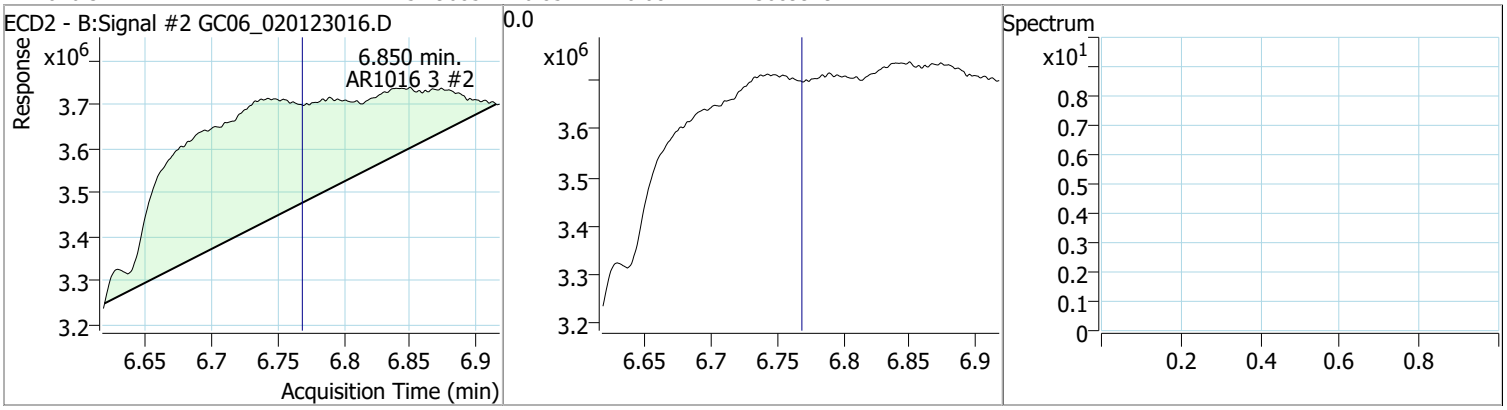
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.1860	6.22	0.00	185708				



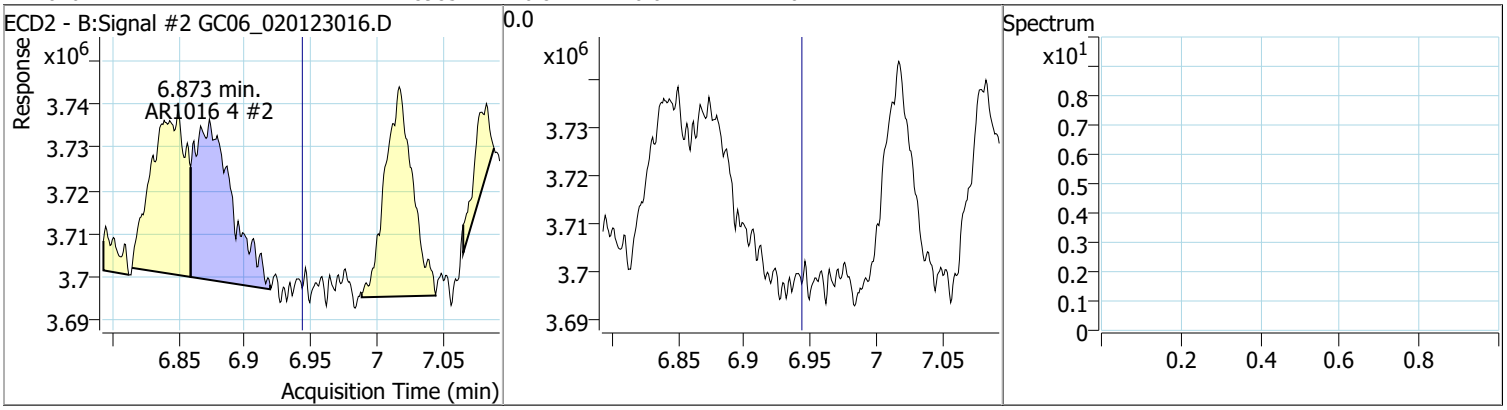
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	94.5497	6.29	-0.08	166203				



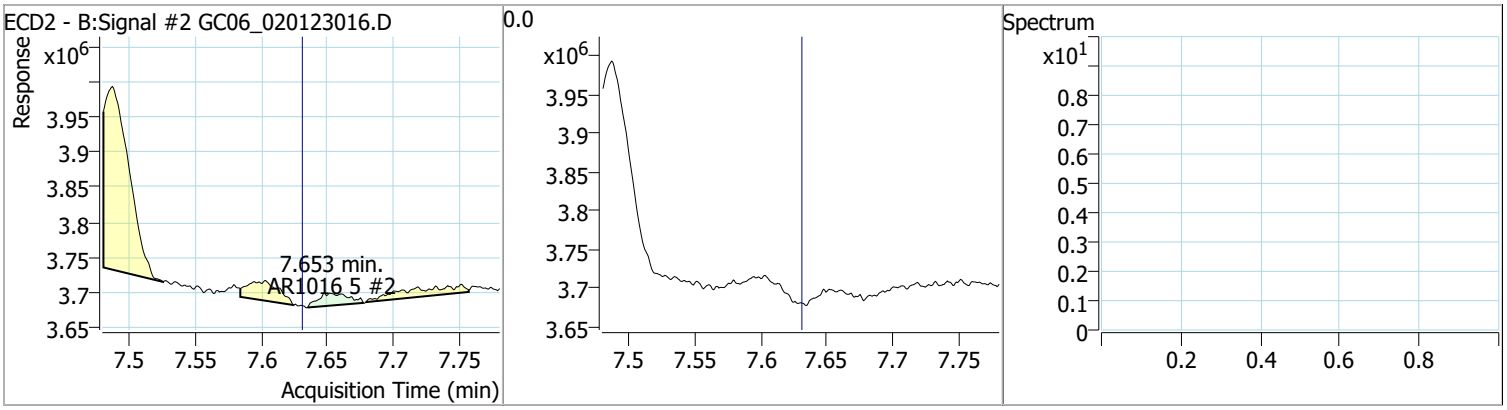
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	152.9685	6.85	0.08	3089949				



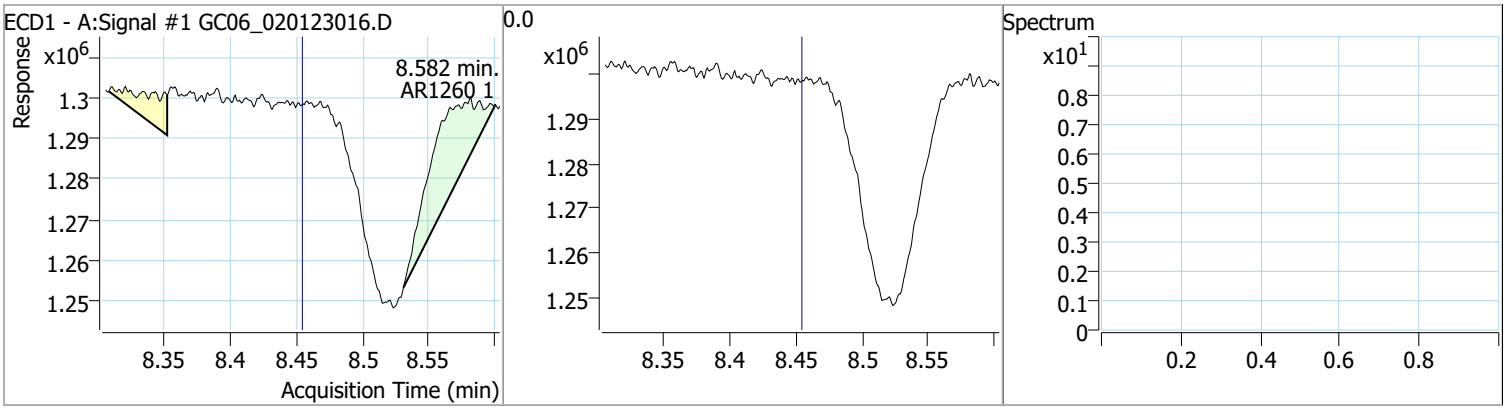
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.8985	6.87	-0.07	72207				



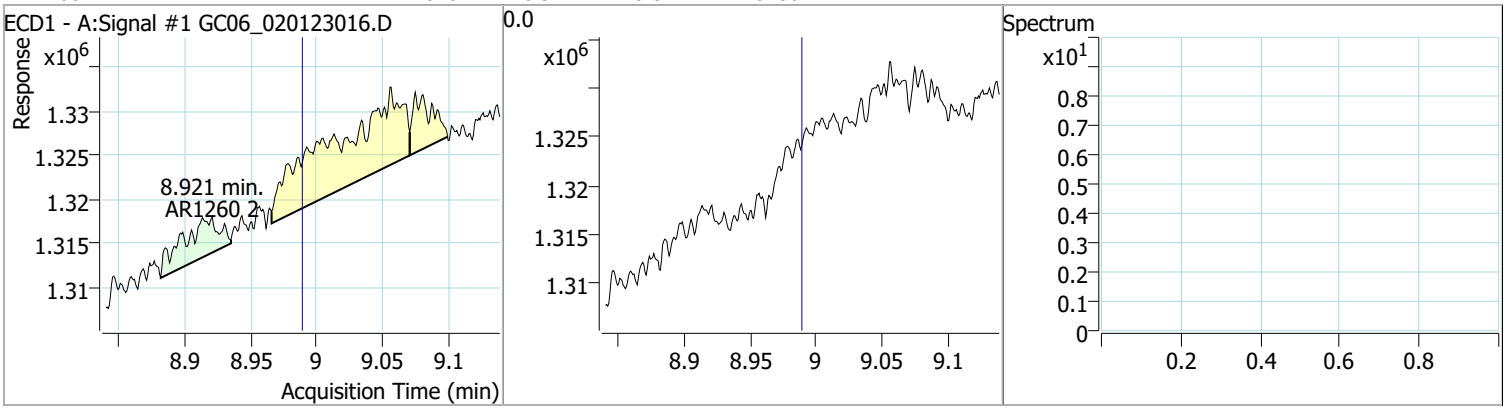
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.3253	7.65	0.02	27474				



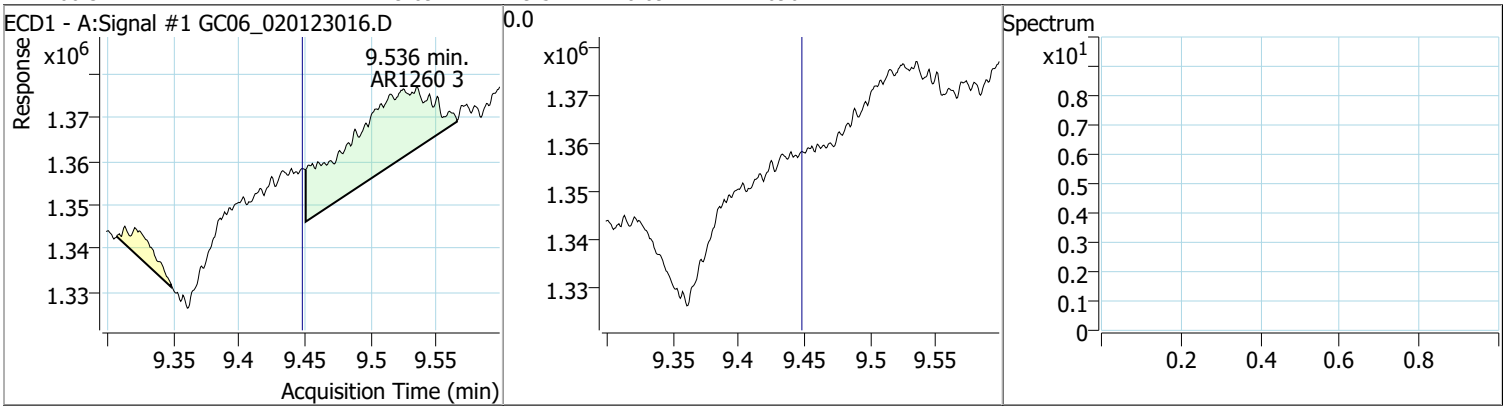
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	9.5458	8.58	0.13	51976				



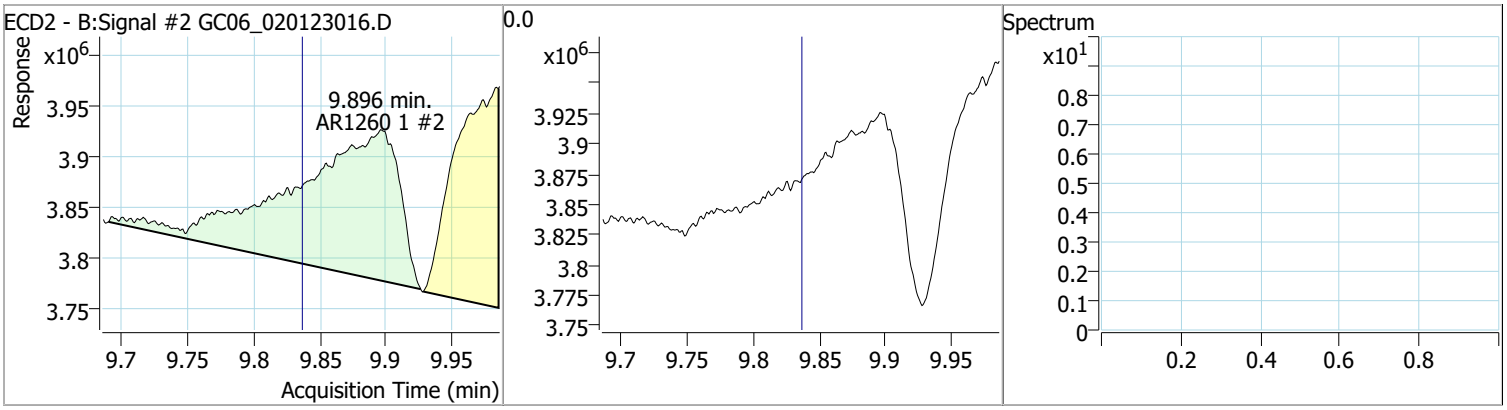
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.1810	8.92	-0.07	8780				



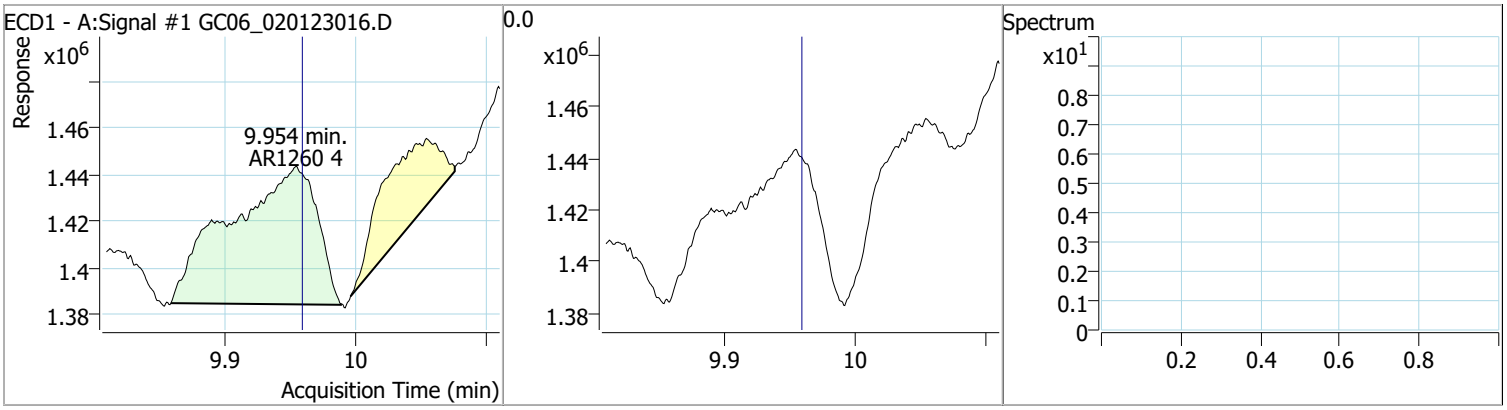
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.0942	9.54	0.09	76964				



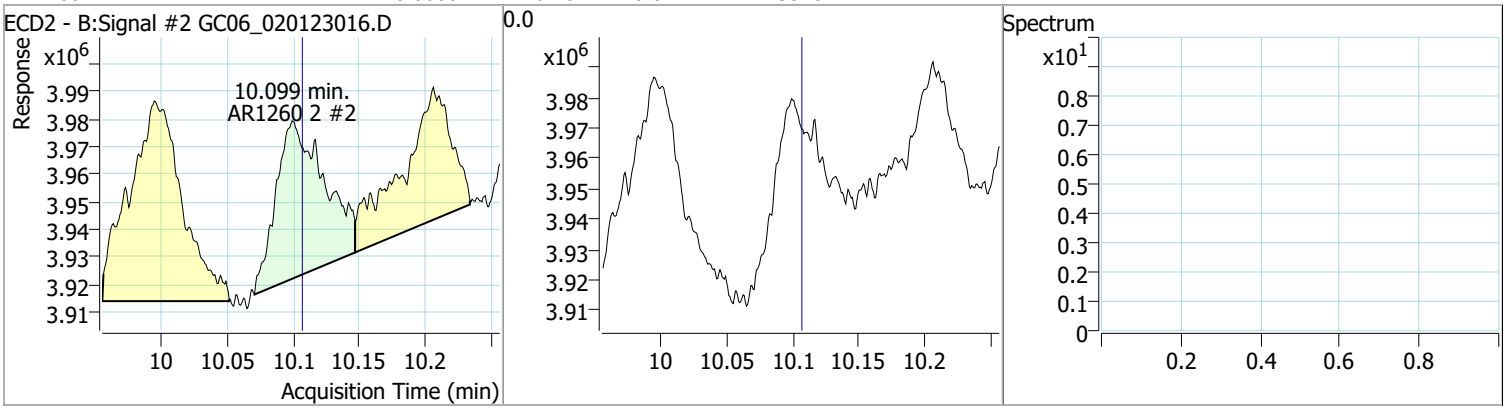
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	35.9495	9.90	0.06	807663				



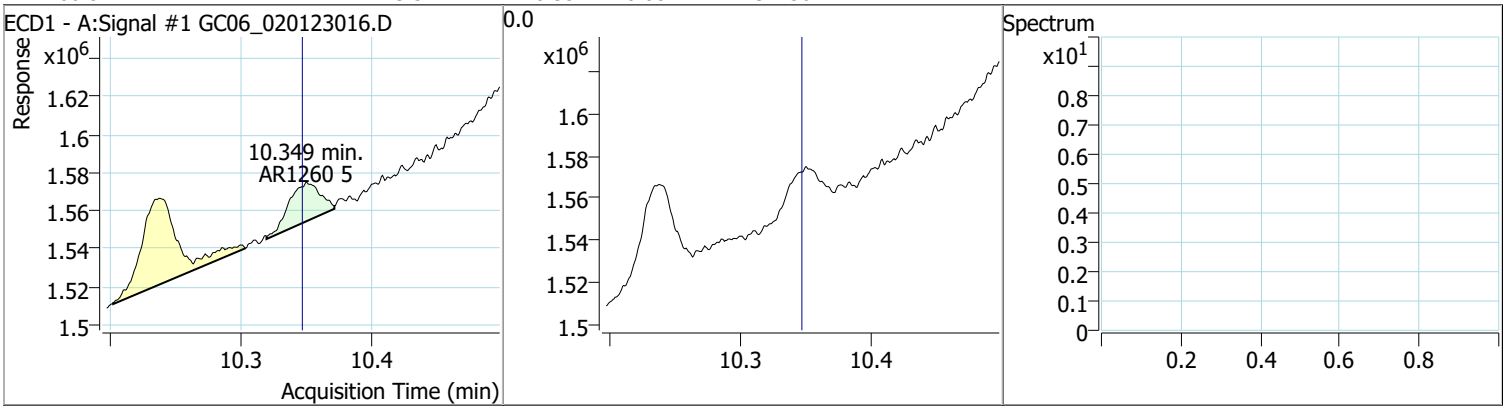
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	60.8261	9.95	-0.01	271023				



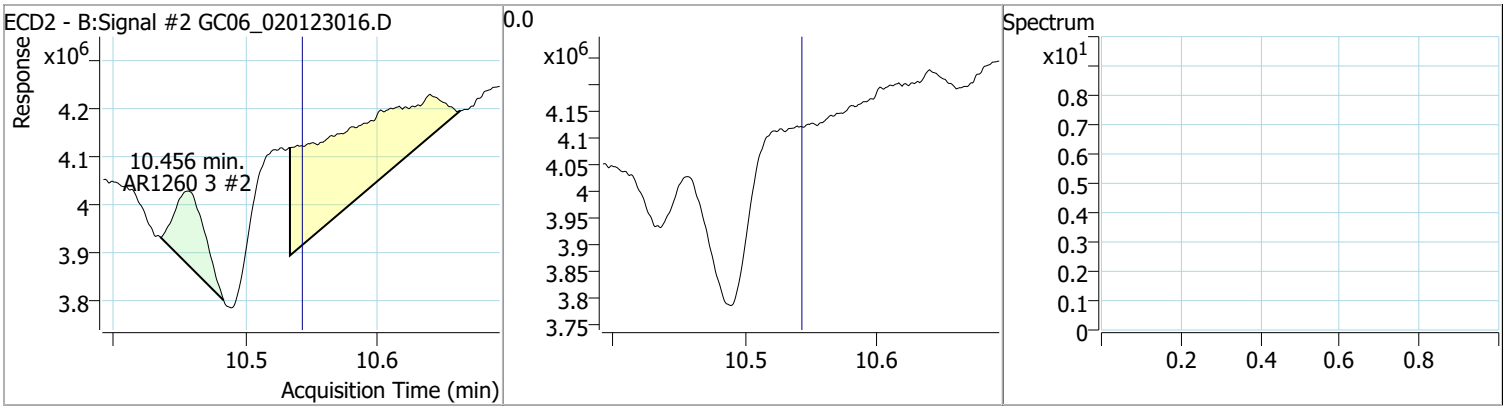
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.10	-0.01	143528				



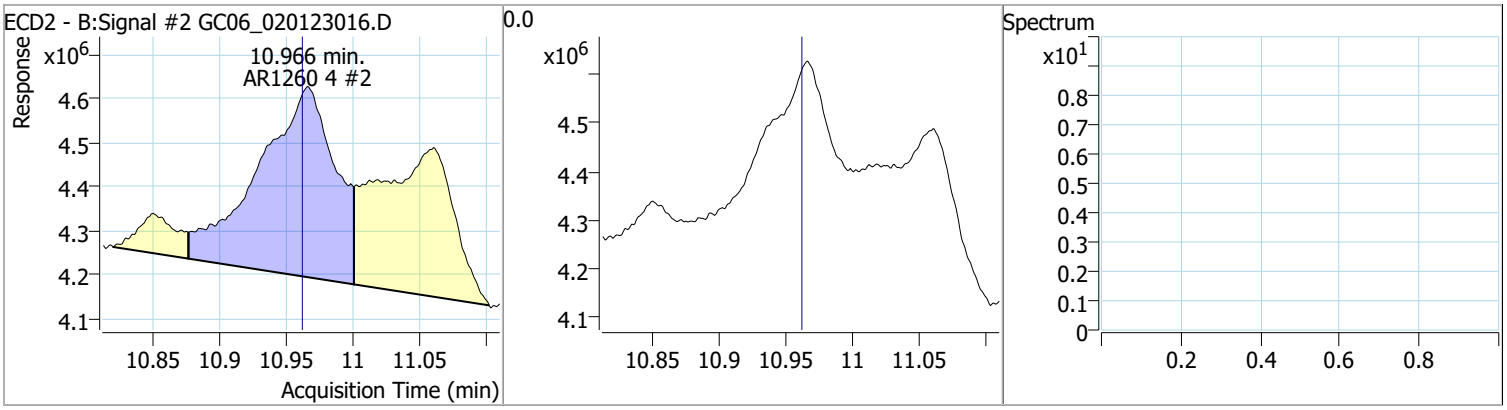
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.5477	10.35	0.00	34256				



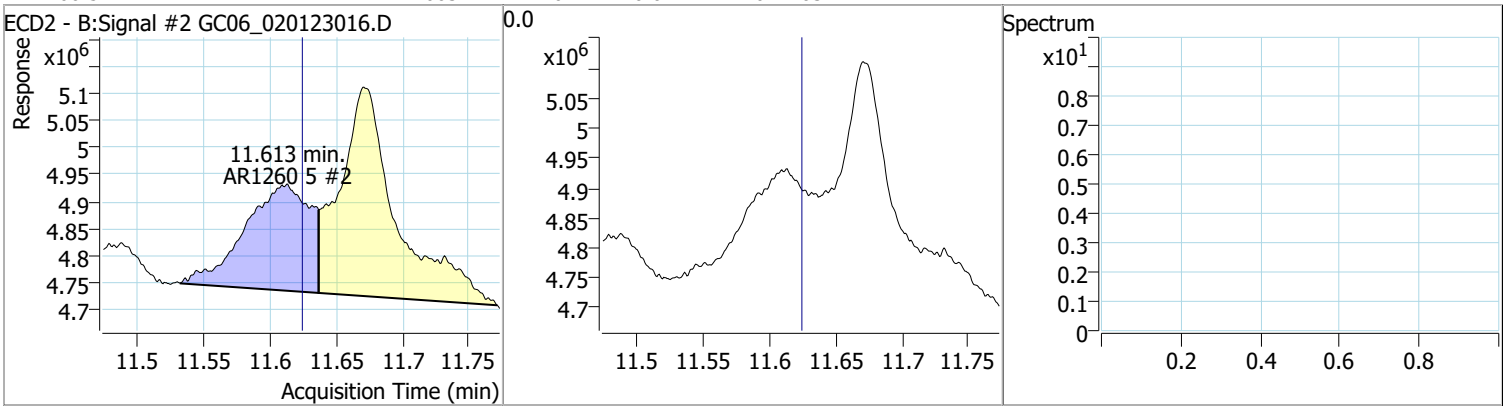
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.4598	10.46	-0.09	244566				



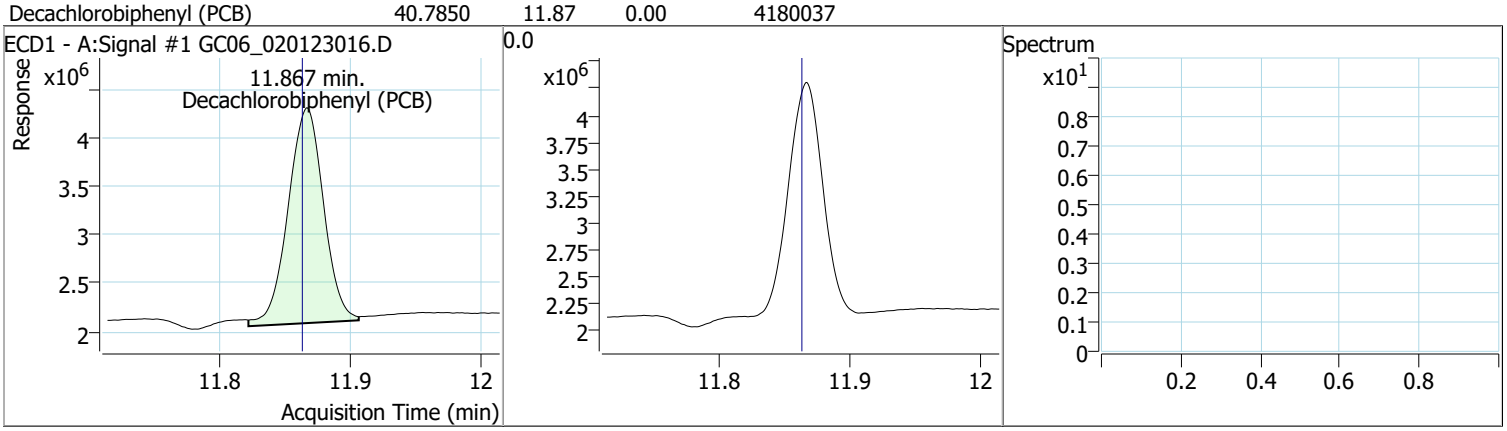
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	96.2733	10.97	0.00	1735105				



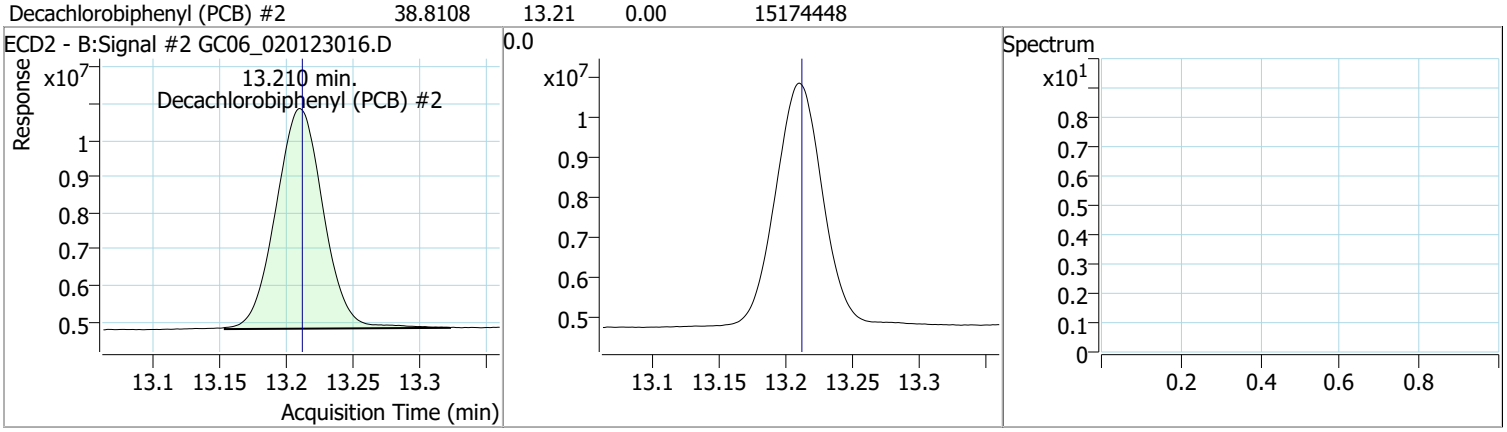
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	22.6034	11.61	-0.01	671103				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.7850	11.87	0.00	4180037				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.8108	13.21	0.00	15174448				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	478371-013	Client ID:	AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-P-WF
Seqnum:	453046656017	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_020123017	Batch:	306459	Time:	01-FEB-2023 14:53
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	58.47	~~0.58~~ FP	0.75	25%	0.50		x u
Aroclor-1016 Peak # 1	B	68.59	0.69	0.73	7%			
Aroclor-1016 Peak # 2	B	50.43	0.50	ND	249%			
Aroclor-1016 Peak # 3	B	163.3	1.63	0.54	101%			
Aroclor-1016 Peak # 4	B	8.508	0.09	1.66	180%			
Aroclor-1016 Peak # 5	B	1.542	0.02	0.87	193%			
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	60.62	~~0.61~~ FP	0.29	71%	0.50		x u
Aroclor-1260 Peak # 1	B	36.75	0.37	0.46	22%			
Aroclor-1260 Peak # 2	B	-5.271	ND	0.03	-634%			
Aroclor-1260 Peak # 3	B	45.77	0.46	0.08	143%			
Aroclor-1260 Peak # 4	B	194.3	1.94	0.79	84%			
Aroclor-1260 Peak # 5	B	31.55	0.32	0.10	107%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.27	0.5000	0.4127	83	19-121	u
Decachlorobiphenyl (PCB)	B	38.29	0.5000	0.3829	77	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	6872244	0.92
1-bromo-2-nitrobenzene (PCB)	A	1458049	1407535	-3.46

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

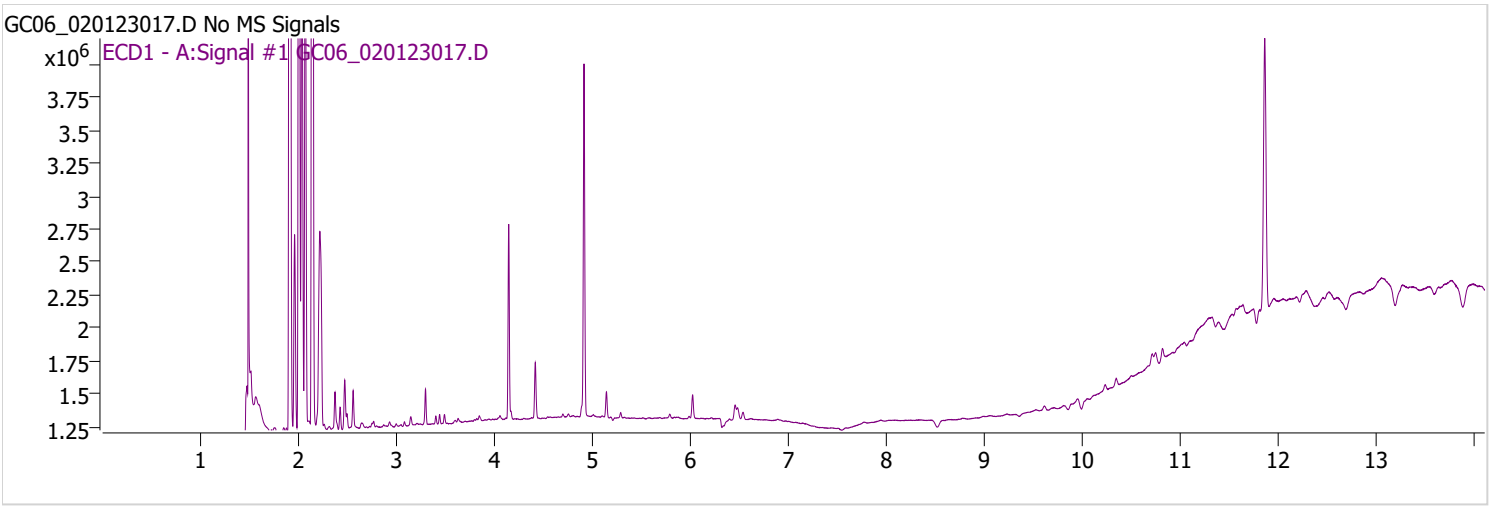
ISTD (CCV gc06_020123002)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

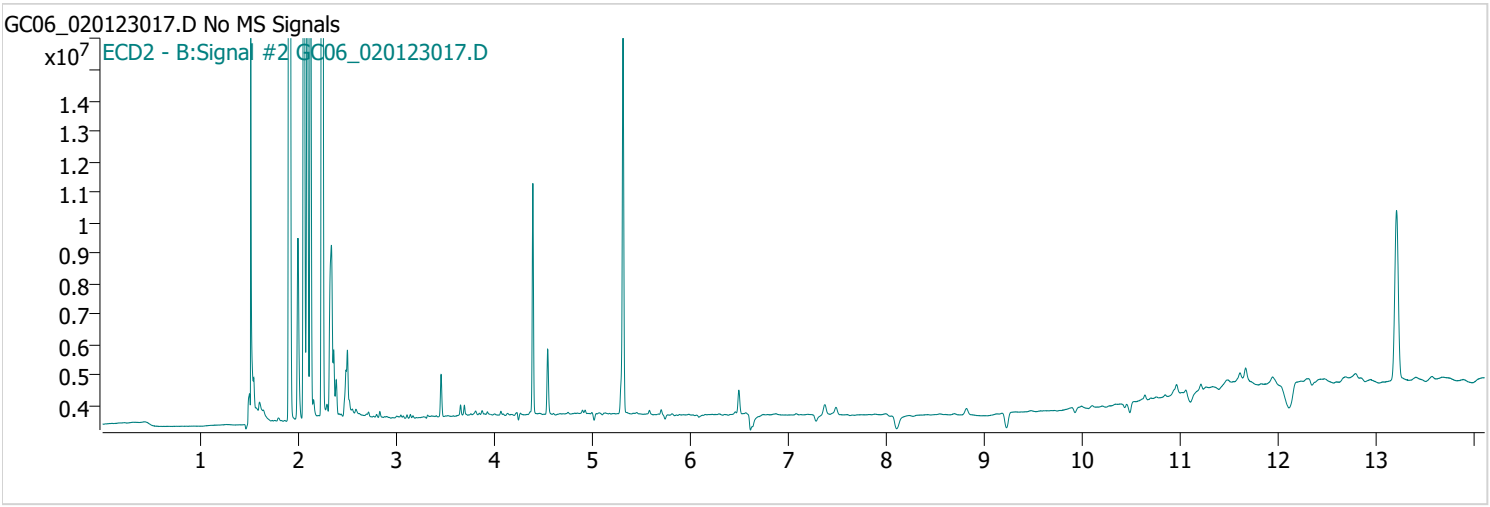
Analyst: TRN 02/03/23

Reviewer: LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 2:53:58 PM
Sample Name	478371-013, 306459, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



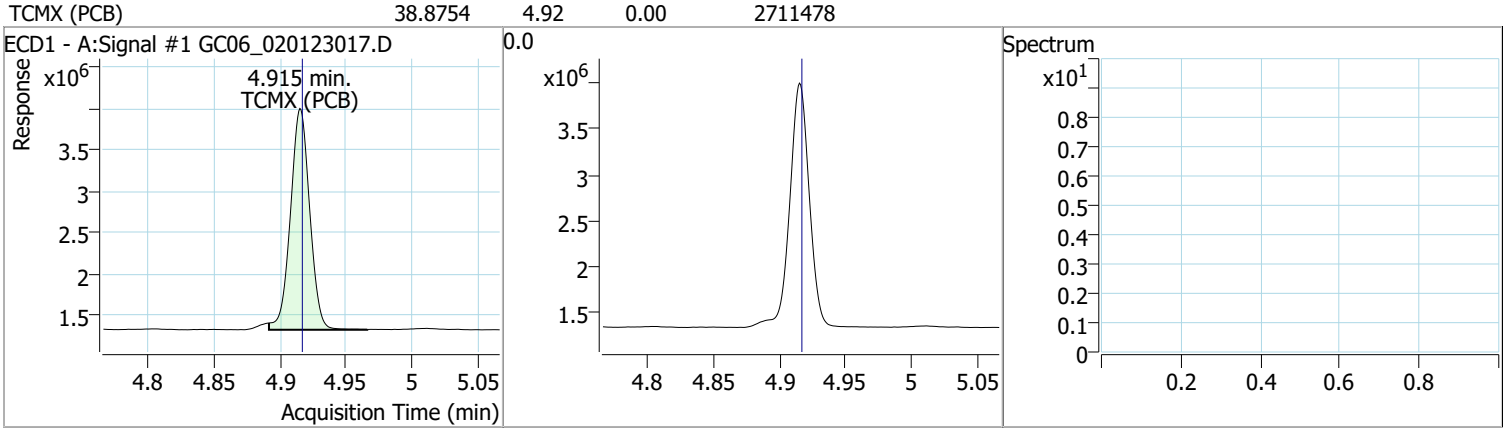


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.147	0.0	1407534.657	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	6872243.947	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.915	0.0	2711478.211	38.8754	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.38%		*	
S TCMX (PCB) #2	5.313	0.0	13717338.355	41.2752	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.38%		*	
S Decachlorobiphenyl (PCB)	11.864	0.0	3942634.291	40.1985	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.99%		*	
S Decachlorobiphenyl (PCB) #2	13.209	0.0	14285859.496	38.2945	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.47%		*	
Target Compounds							QValue

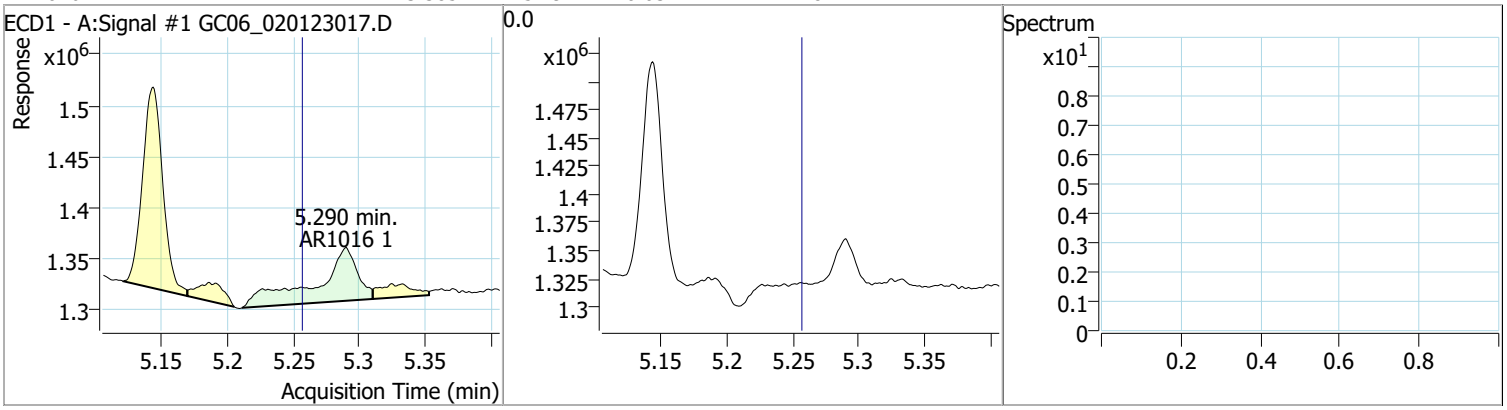
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.290	0.0	117727.549	73.3854	ng/ml	100
T AR1016 2	5.581	0.0	14622.684	0.0000	ng/ml	100
T AR1016 1 #2	5.814	0.0	520682.127	68.5898	ng/ml	100
T AR1016 3	6.023	0.0	216583.093	53.9203	ng/ml	100
T AR1016 4	6.216	0.0	425205.050	165.9597	ng/ml	100
T AR1016 2 #2	6.290	0.0	552103.602	50.4338	ng/ml	100
T AR1016 5	6.296	0.0	146294.756	86.9666	ng/ml	100
T AR1016 3 #2	6.869	0.0	3147014.849	163.2828	ng/ml	100
T AR1016 4 #2	6.869	0.0	119660.691	8.5080	ng/ml	100
T AR1016 5 #2	7.658	0.0	17378.881	1.5416	ng/ml	100
T AR1260 1	8.339	0.0	239394.075	45.9434	ng/ml	100
T AR1260 2	8.993	0.0	19505.577	2.7419	ng/ml	100
T AR1260 3	9.528	0.0	61174.919	7.5536	ng/ml	100
T AR1260 1 #2	9.898	0.0	787892.174	36.7554	ng/ml	100
T AR1260 4	9.956	0.0	337074.477	79.0518	ng/ml	100
T AR1260 2 #2	10.103	0.0	202558.099	0.0000	ng/ml	100
T AR1260 5	10.348	0.0	88734.996	9.6031	ng/ml	100
T AR1260 3 #2	10.641	0.0	1431816.111	45.7731	ng/ml	100
T AR1260 4 #2	10.965	0.0	3341471.837	194.3160	ng/ml	100
T AR1260 5 #2	11.613	0.0	893746.073	31.5494	ng/ml	100

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

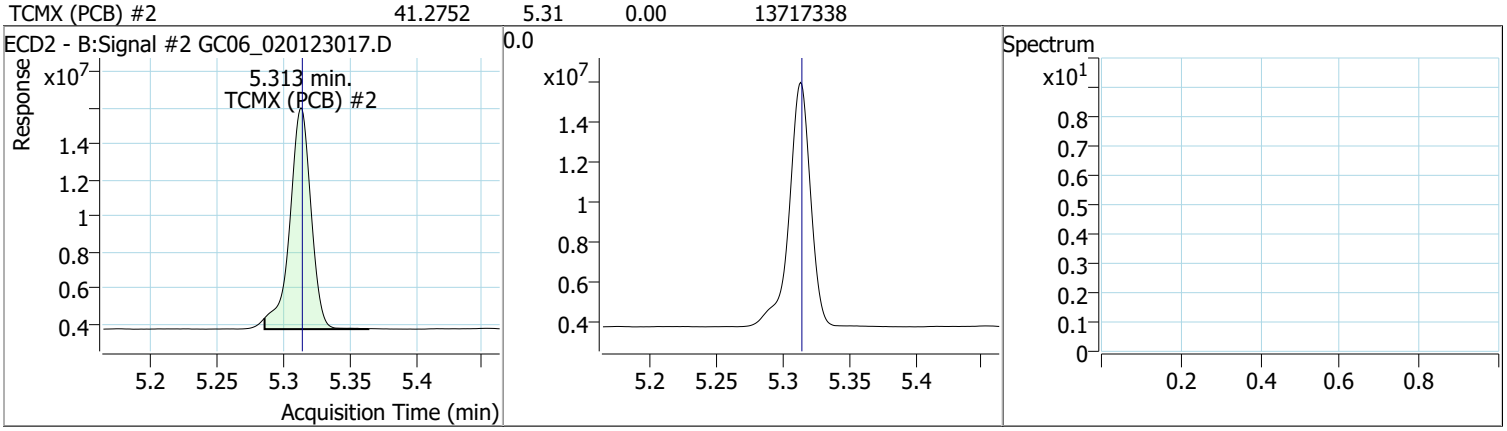
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.8754	4.92	0.00	2711478				



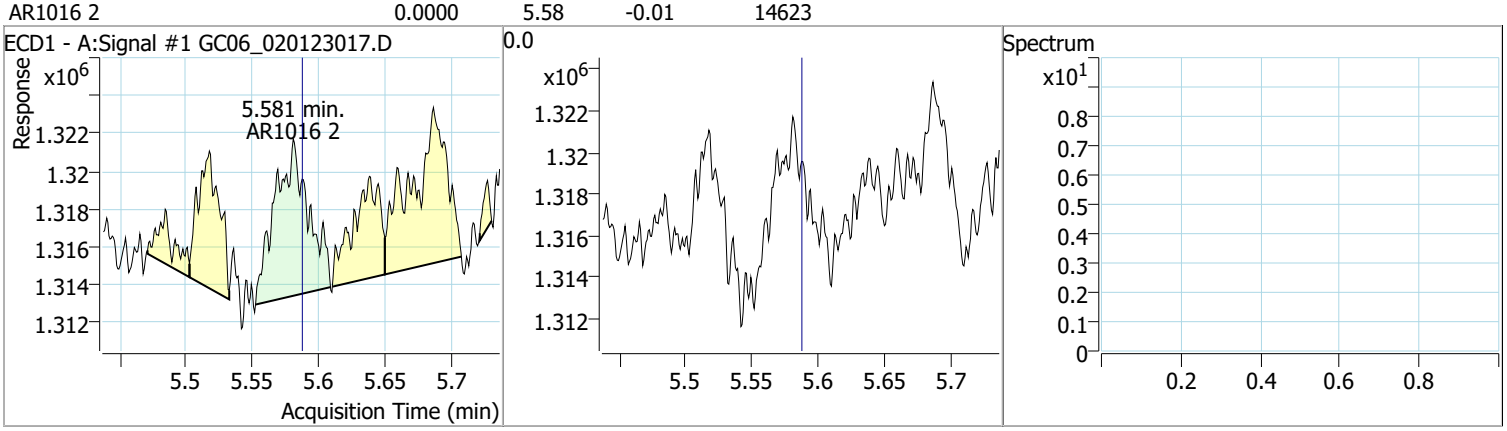
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	73.3854	5.29	0.03	117728				



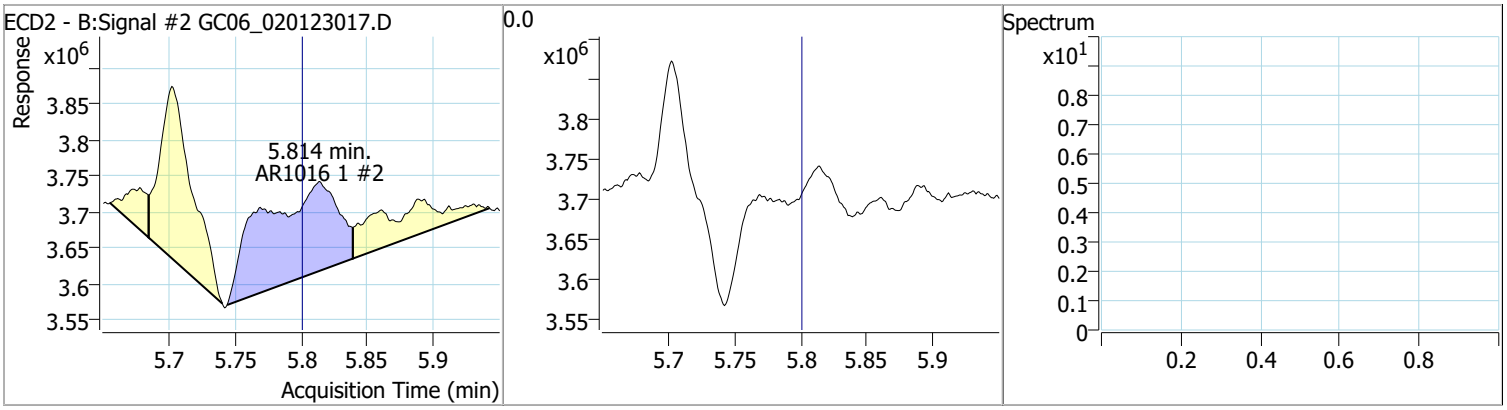
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.2752	5.31	0.00	13717338				



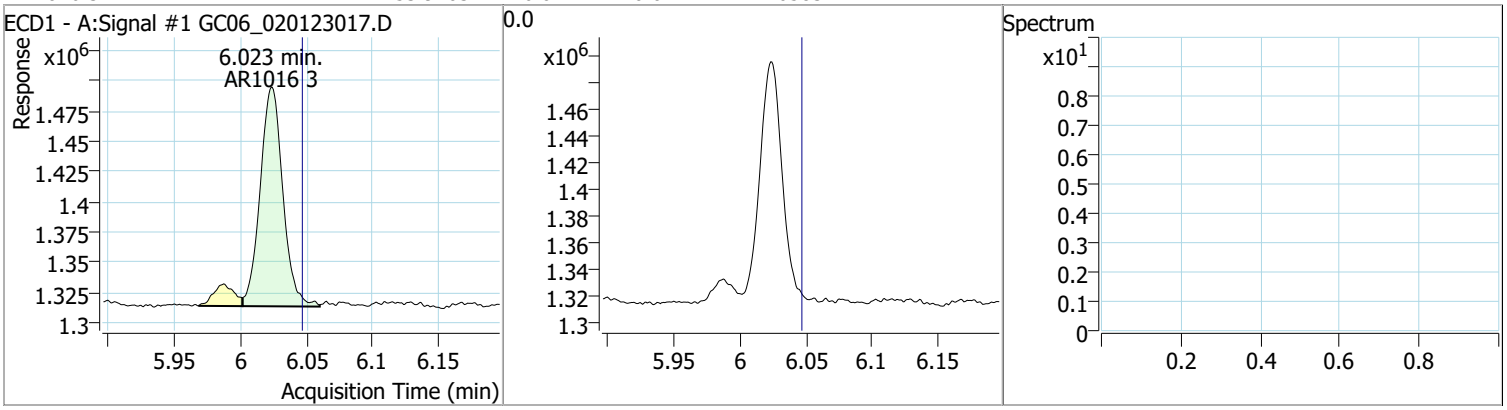
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.58	-0.01	14623				



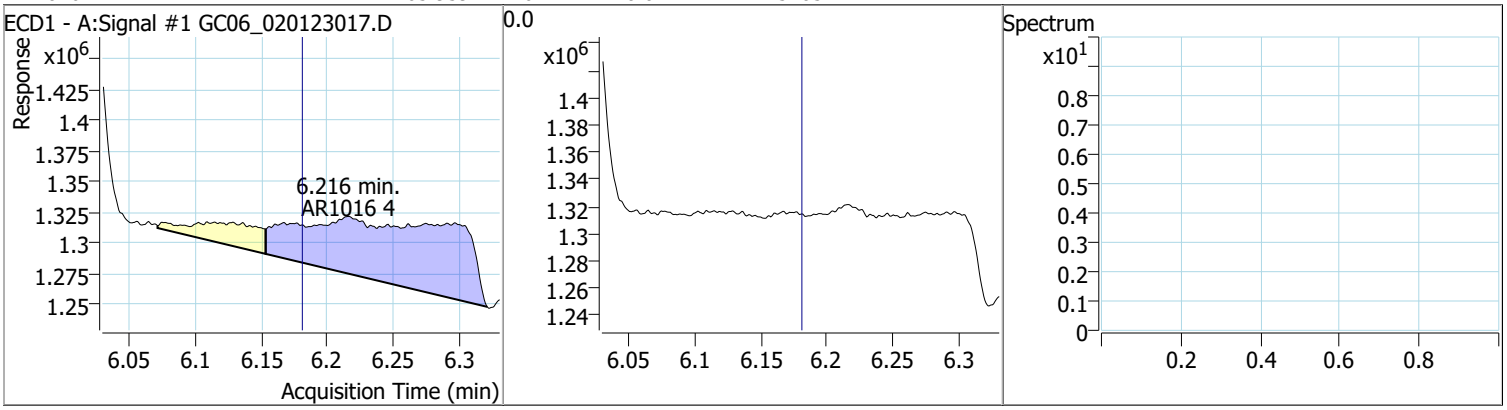
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	68.5898	5.81	0.01	520682				



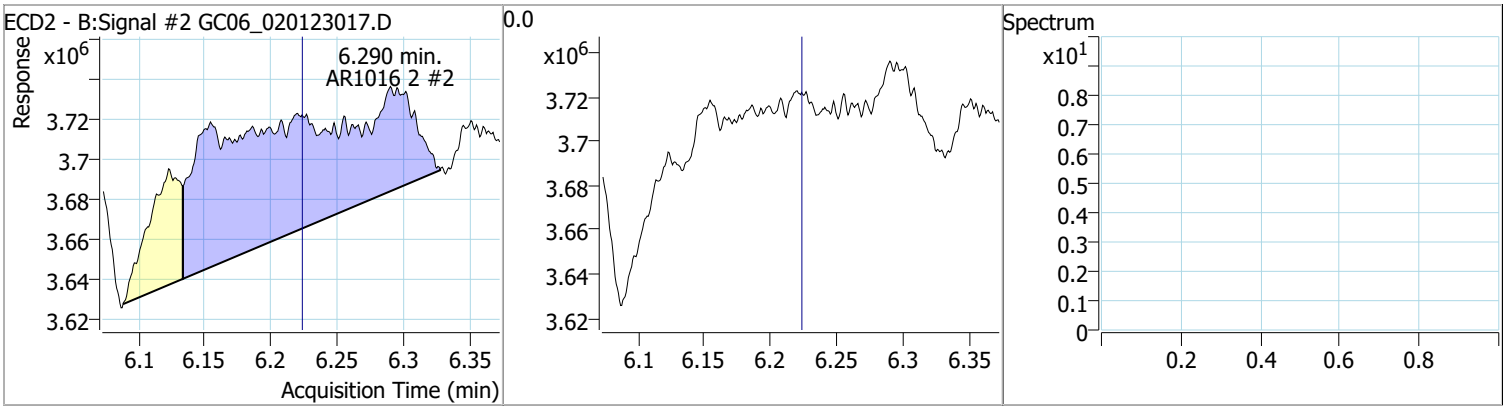
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.9203	6.02	-0.02	216583				



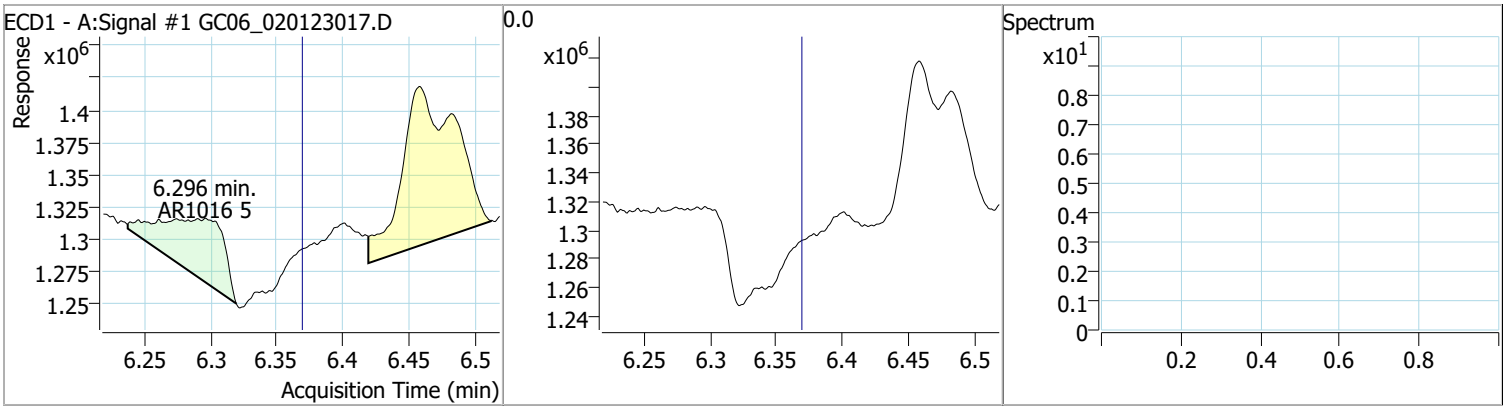
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	165.9597	6.22	0.04	425205				



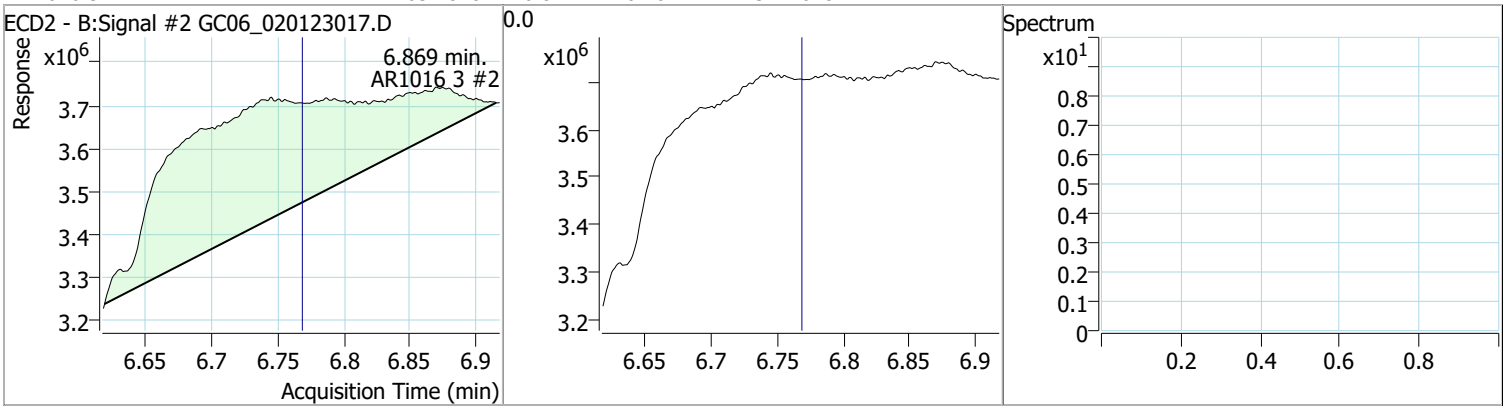
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	50.4338	6.29	0.07	552104				



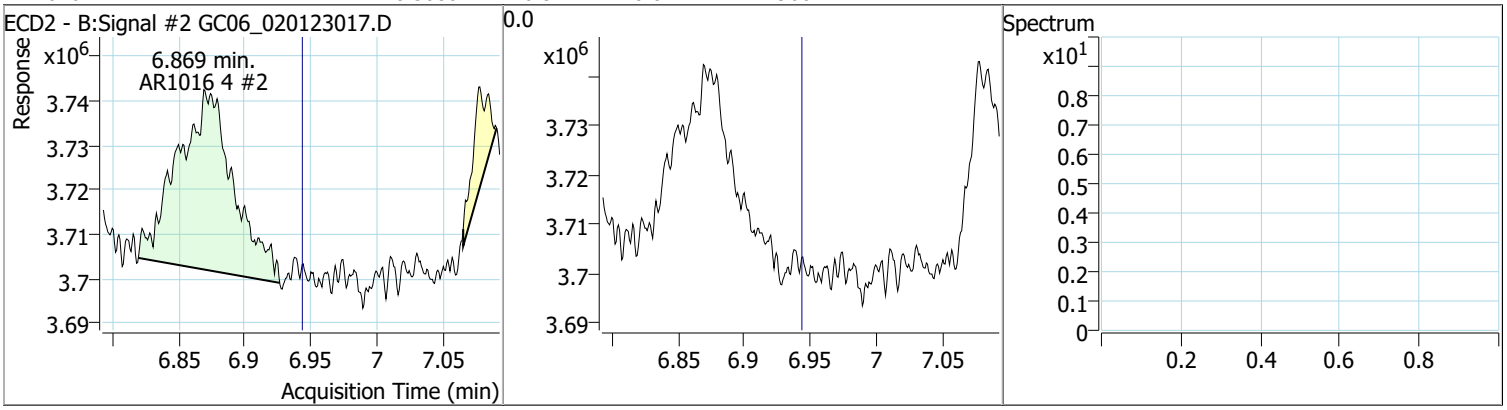
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	86.9666	6.30	-0.07	146295				



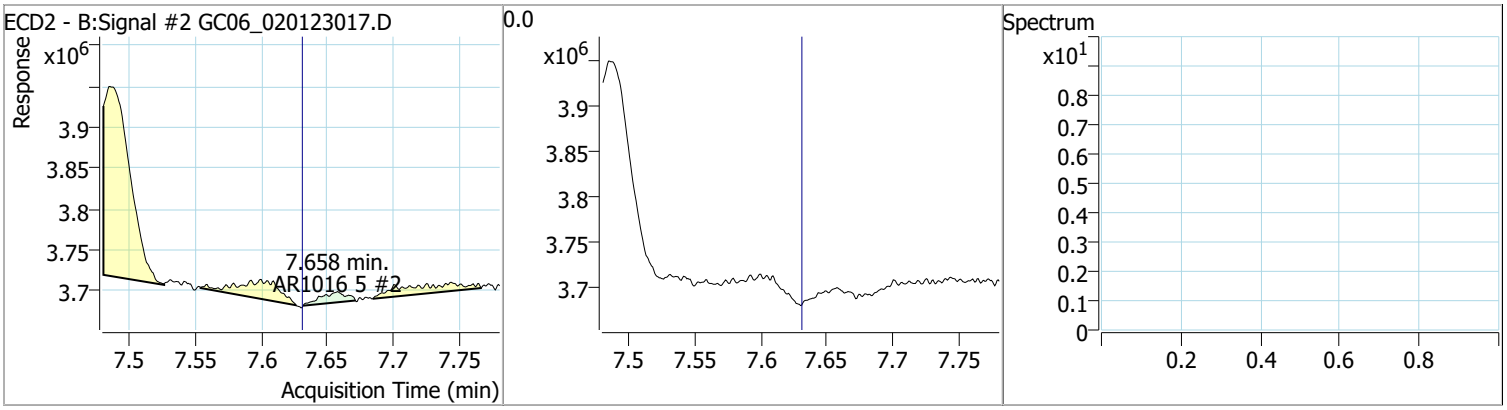
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	163.2828	6.87	0.10	3147015				



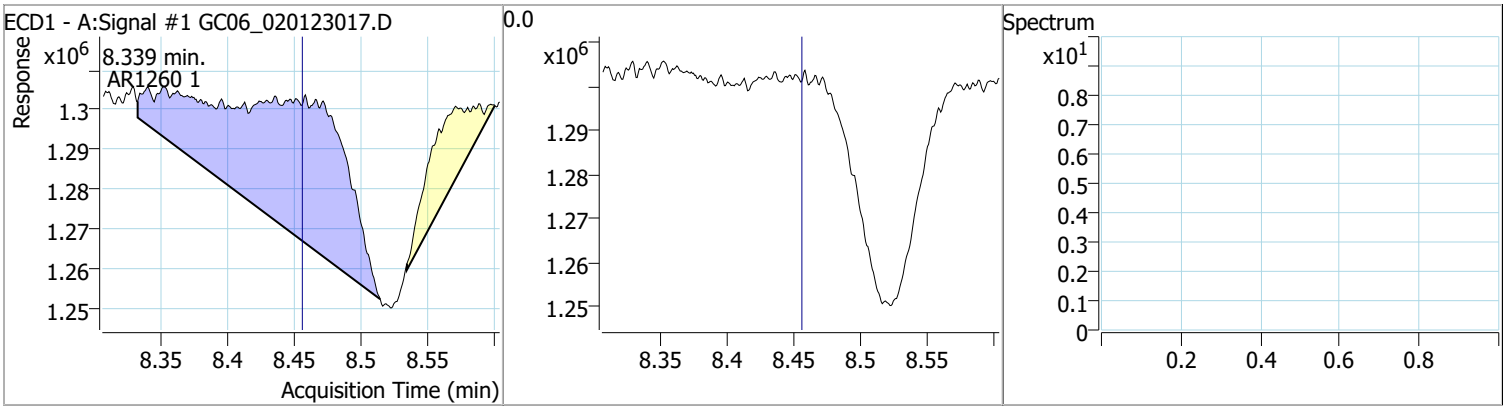
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AR1016 4 #2	8.5080	6.87	-0.07	119661				



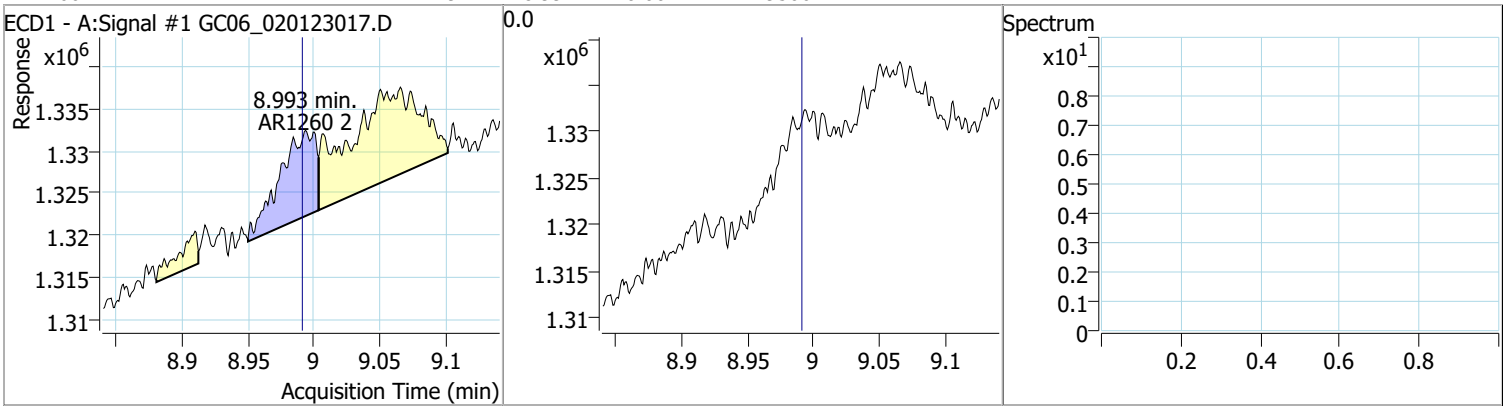
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.5416	7.66	0.03	17379				



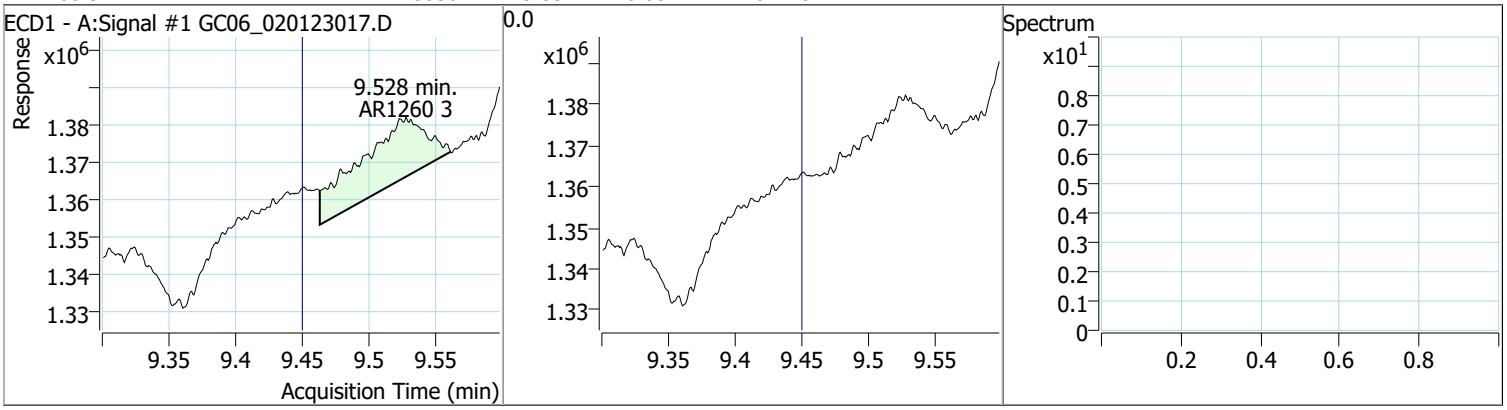
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	45.9434	8.34	-0.12	239394				



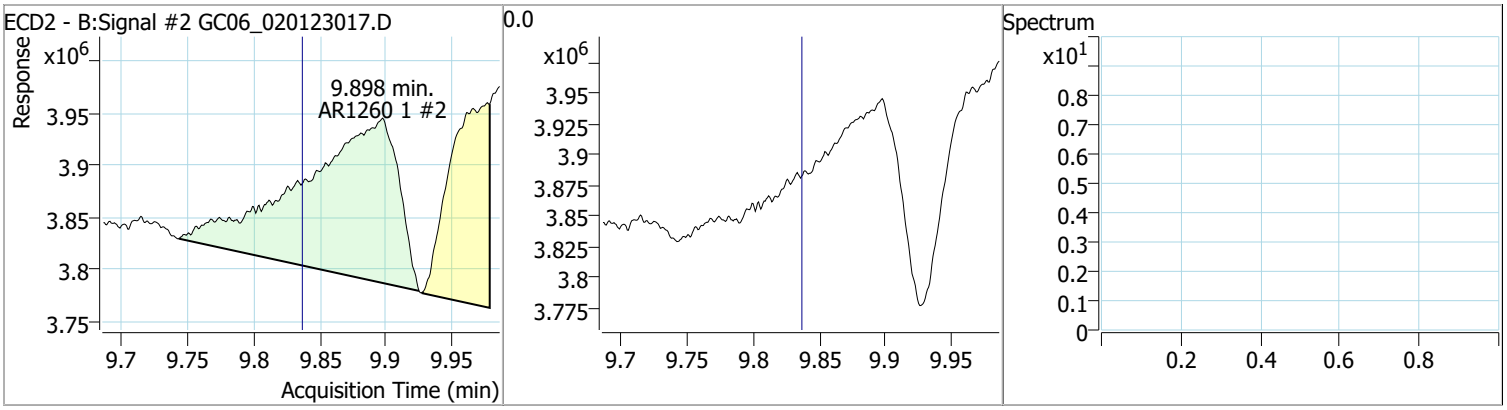
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.7419	8.99	0.00	19506				



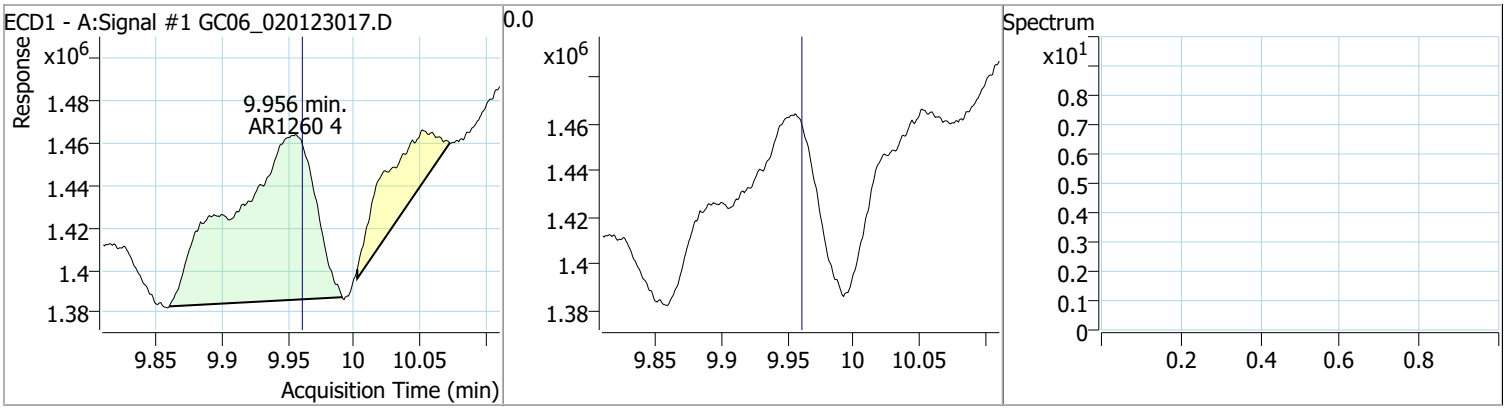
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.5536	9.53	0.08	61175				



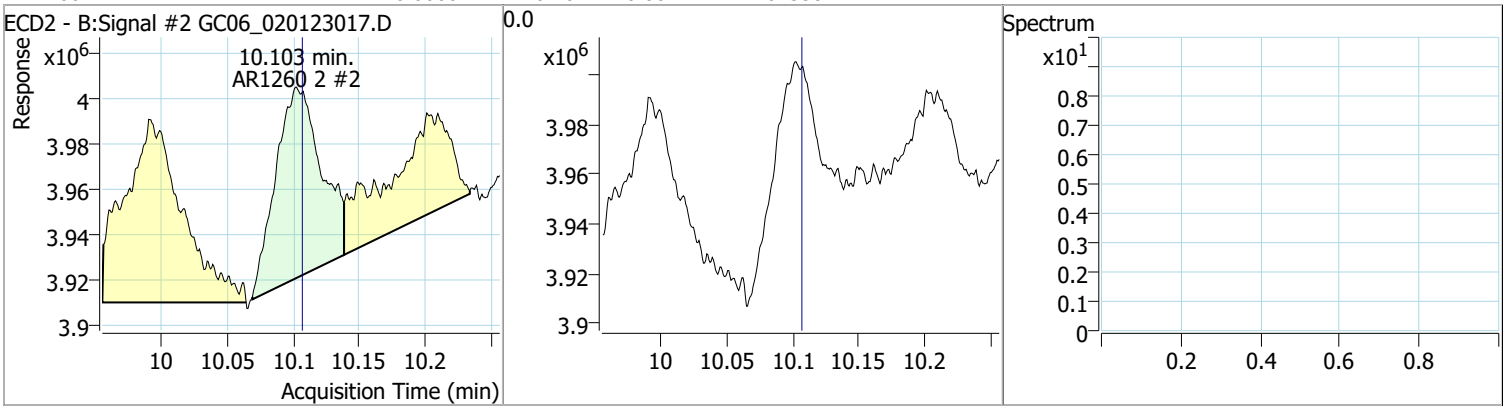
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AR1260 1 #2	36.7554	9.90	0.06	787892				



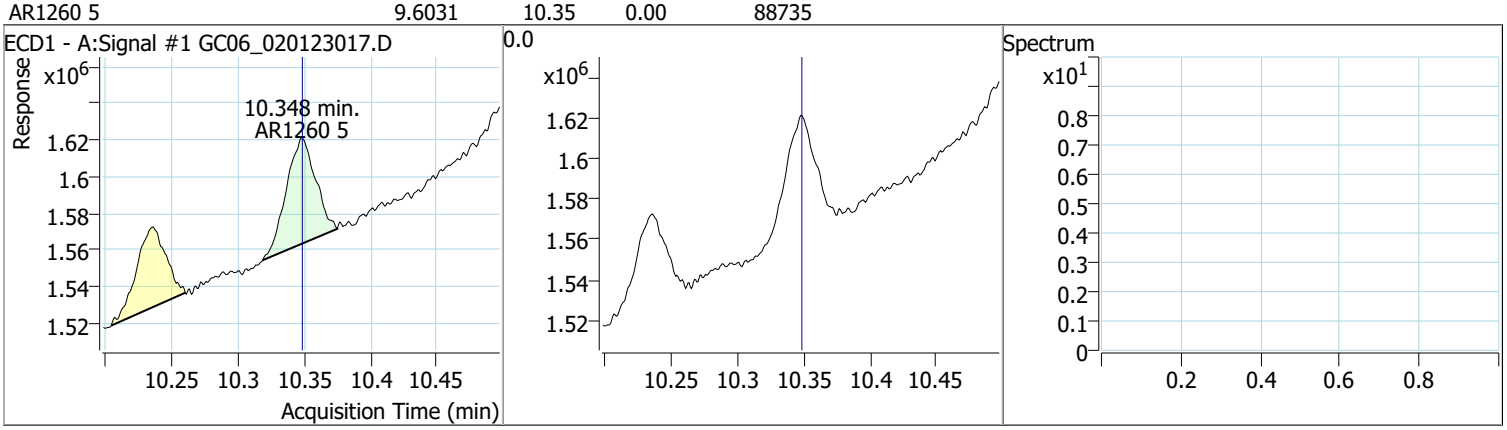
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	79.0518	9.96	0.00	337074				



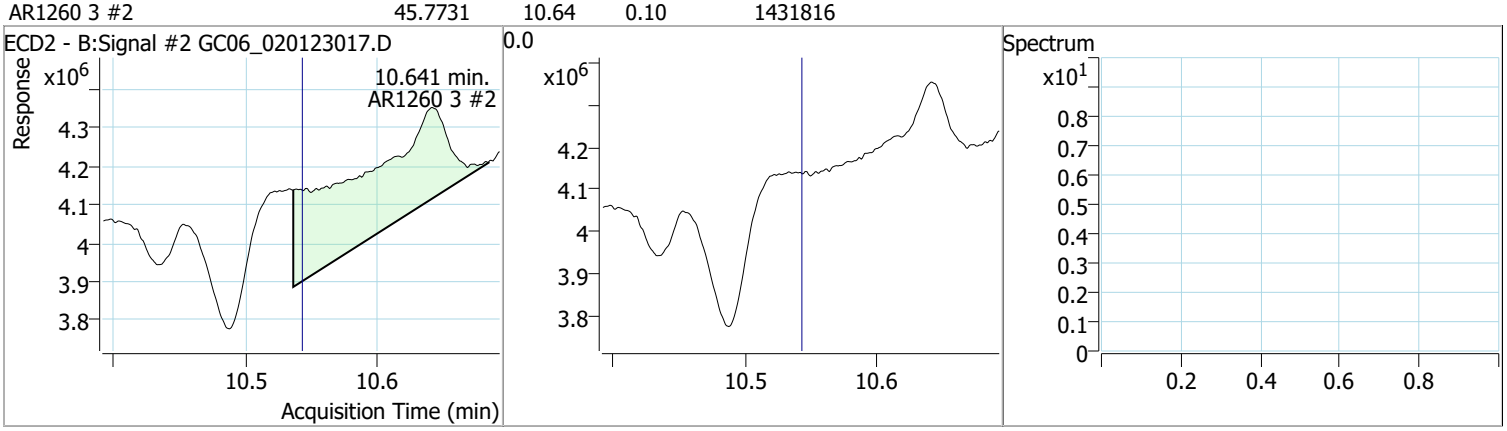
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.10	0.00	202558				



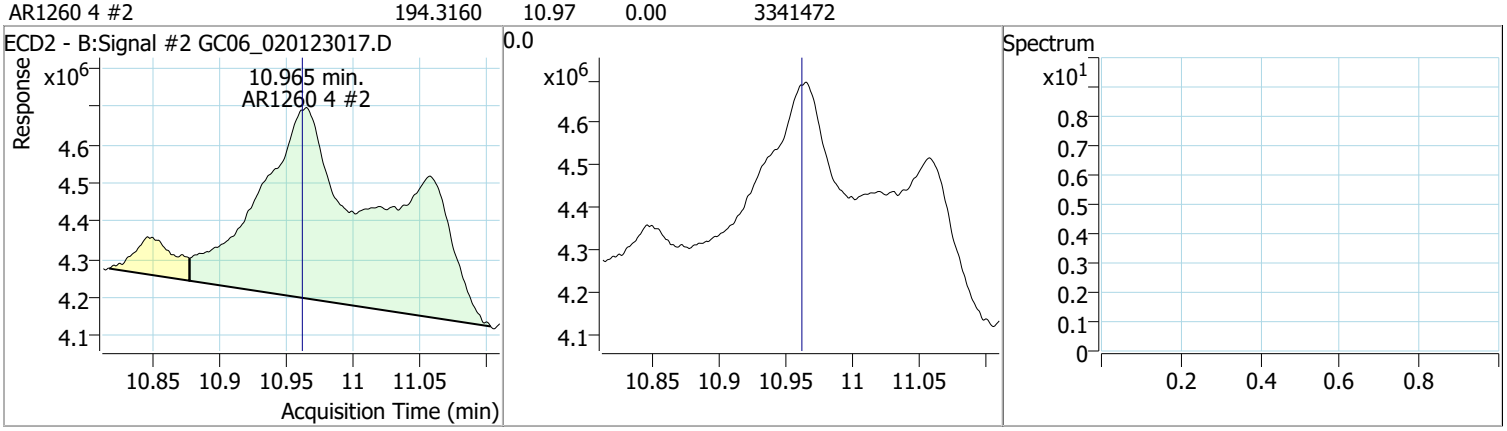
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.6031	10.35	0.00	88735				



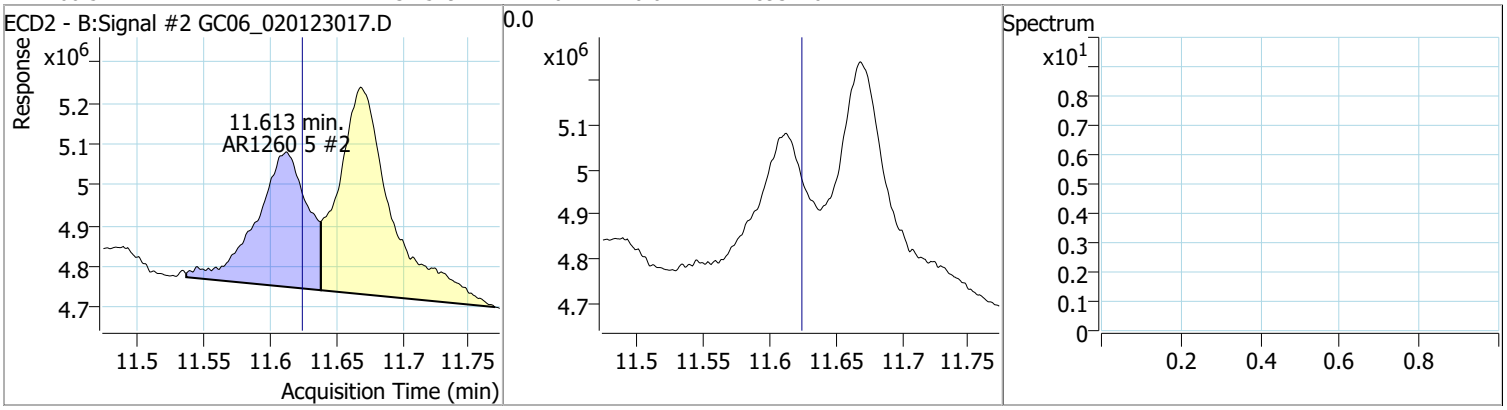
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AR1260 3 #2	45.7731	10.64	0.10	1431816				



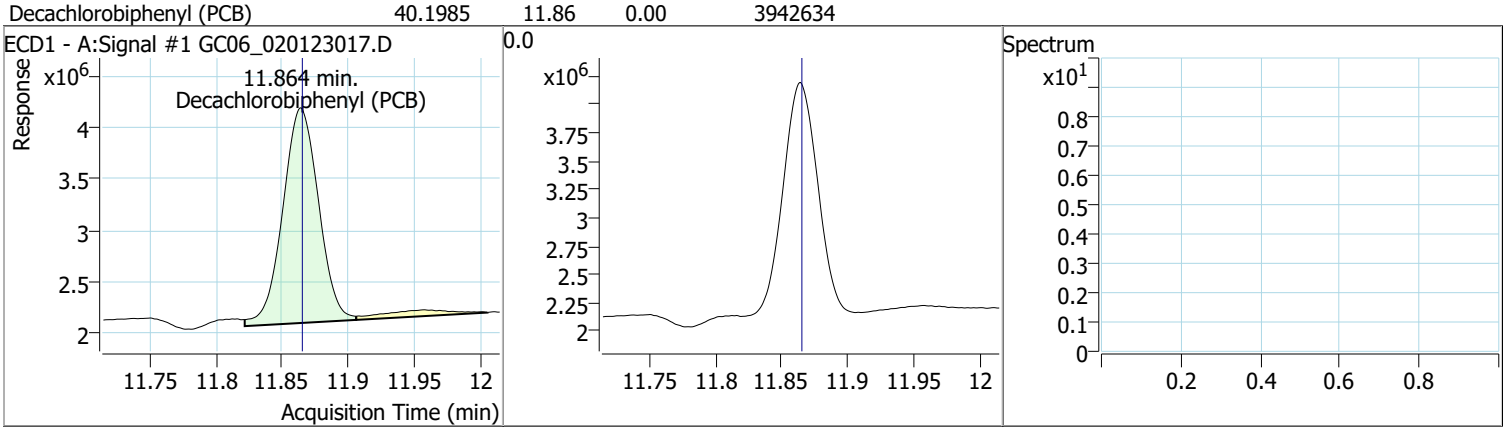
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	194.3160	10.97	0.00	3341472				



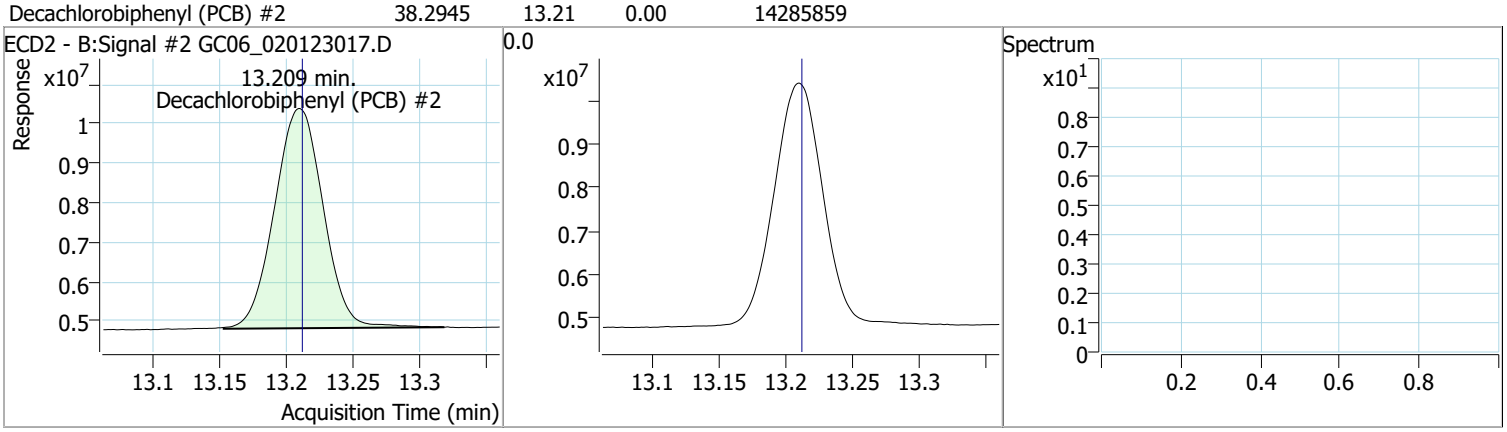
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	31.5494	11.61	-0.01	893746				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.1985	11.86	0.00	3942634				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.2945	13.21	0.00	14285859				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 478371 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1042114		
Seqnum:	453046656007.2	Matrix:	Wipe		
File:	gc06_020123007	Batch:	306459	Time:	01-FEB-2023 11:50
Cal:	453006691001	Caldate:	04-JAN-2023		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	34.19	ND	0.25	30%	0.50	u
Aroclor-1016 Peak # 1	B	35.62	0.36	0.47	28%		
Aroclor-1016 Peak # 2	B	2.750	0.03	ND	-691%		
Aroclor-1016 Peak # 3	B	130.8	1.31	0.09	175%		
Aroclor-1016 Peak # 4	B	0.2823	0.00	0.02	147%		
Aroclor-1016 Peak # 5	B	1.566	0.02	0.73	192%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	8.616	ND	ND	16%	0.50	u
Aroclor-1260 Peak # 1	B	10.30	0.10	0.15	36%		
Aroclor-1260 Peak # 2	B	-5.931	ND	0.00	-219%		
Aroclor-1260 Peak # 3	B	23.42	0.23	0.09	89%		
Aroclor-1260 Peak # 4	B	3.812	0.04	0.25	147%		
Aroclor-1260 Peak # 5	B	11.48	0.11	0.01	157%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.62	0.5000	0.3562	71	19-121	u
Decachlorobiphenyl (PCB)	B	32.66	0.5000	0.3266	65	19-121	u

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

ISTD (CCV gc06_020123002)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	6803738	-0.09
1-bromo-2-nitrobenzene (PCB)	A	1458049	1340810	-8.04

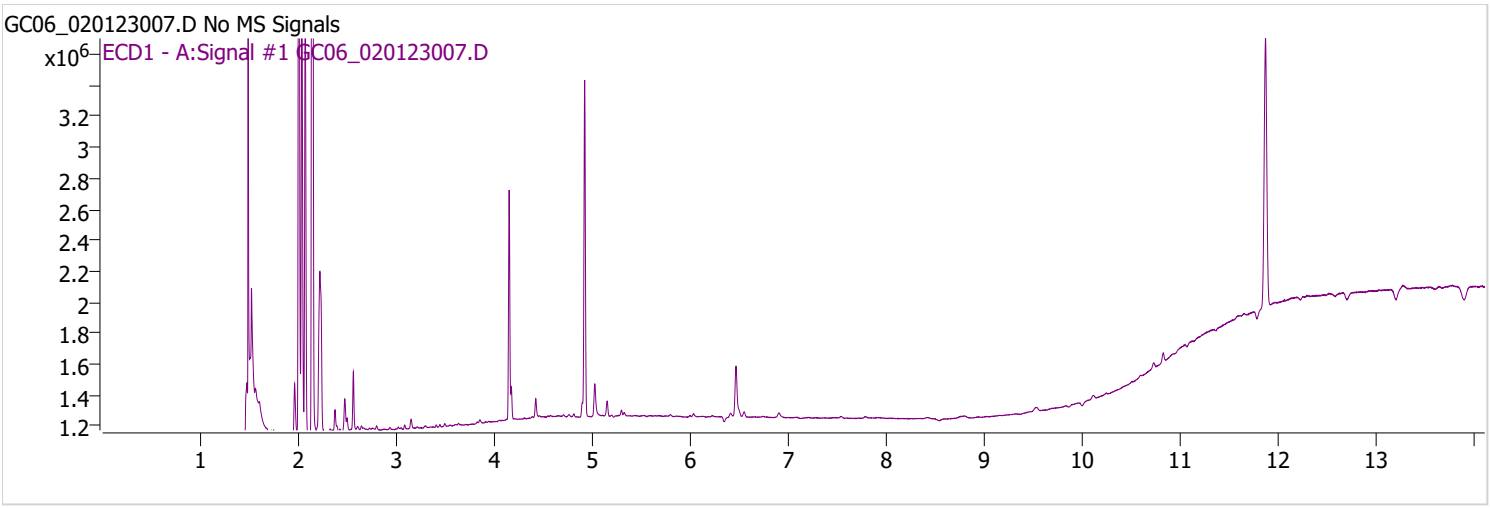
NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

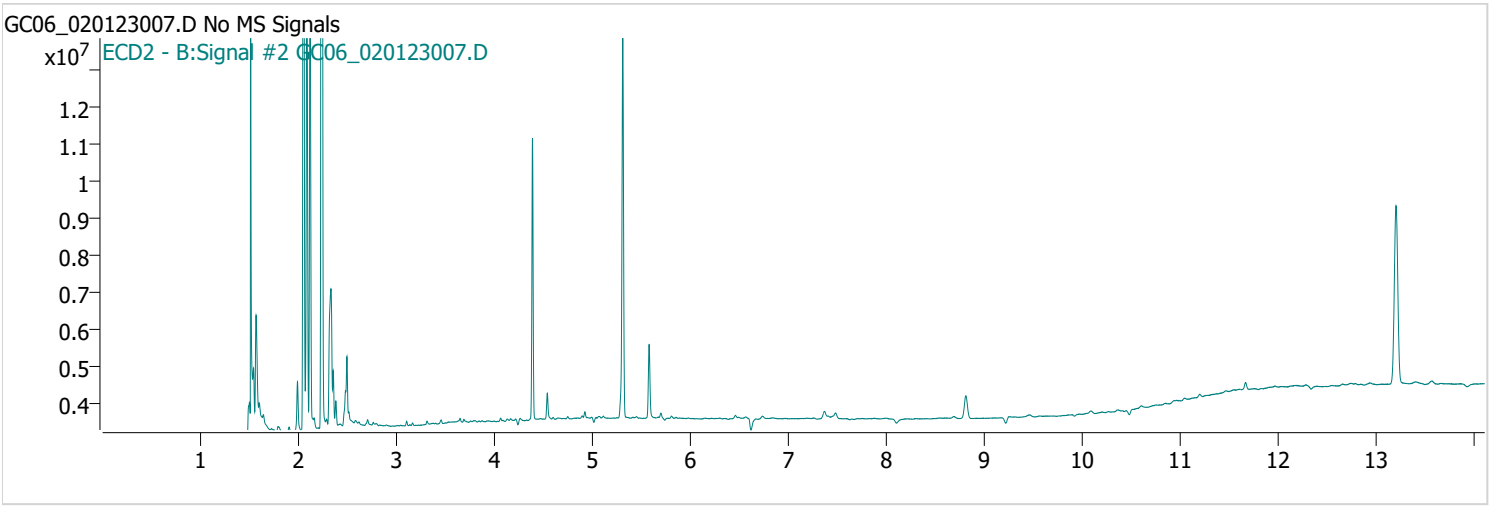
ISTD (CCV gc06_020123002)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123007.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 11:50:30 AM
Sample Name	QC1042114, 306459, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



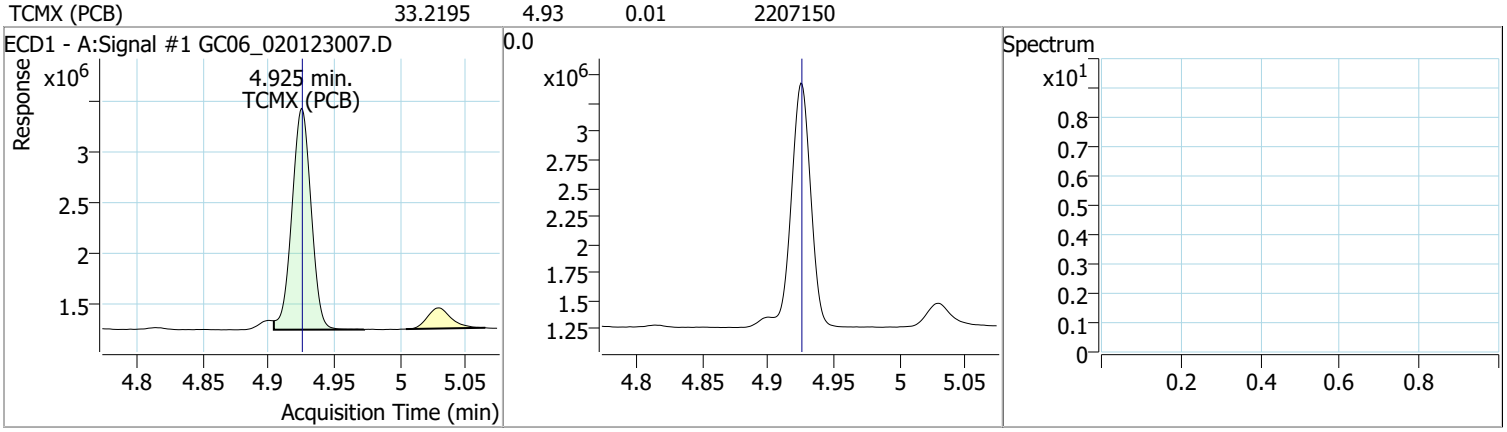


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.154	0.0	1340809.538	20.0000	ng/ml		0.007
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	6803738.037	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.925	0.0	2207150.258	33.2195	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.10%		*	
S TCMX (PCB) #2	5.314	0.0	11720348.226	35.6214	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.11%		*	
S Decachlorobiphenyl (PCB)	11.880	0.0	3481199.769	37.2601	ng/ml		0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.30%		*	
S Decachlorobiphenyl (PCB) #2	13.213	0.0	12061087.285	32.6564	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.28%		*	
Target Compounds							QValue

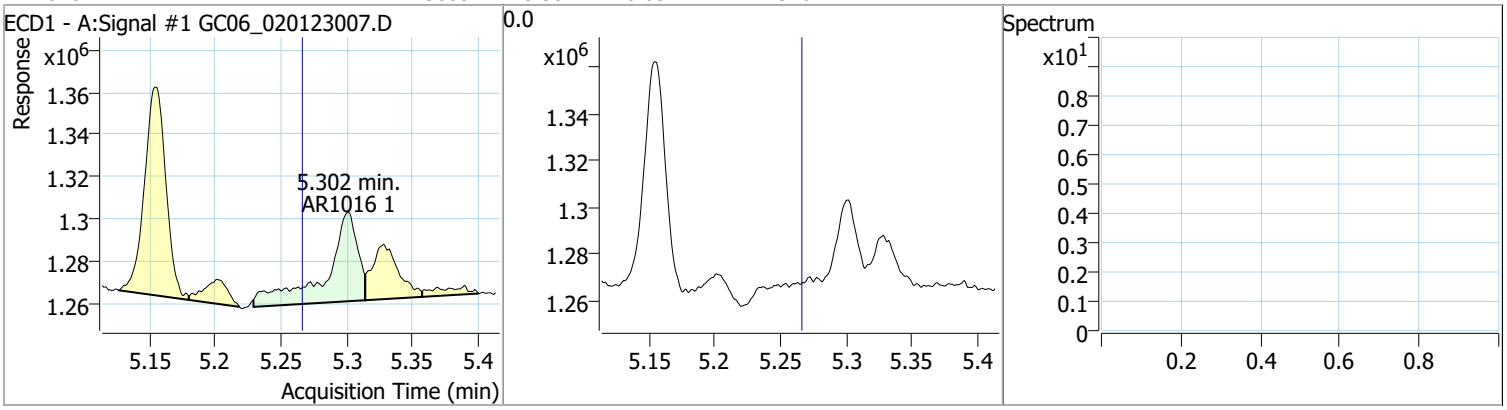
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.302	0.0	72375.724	47.3605	ng/ml	100
T AR1016 2	5.601	0.0	15550.233	0.0000	ng/ml	100
T AR1016 1 #2	5.812	0.0	267700.683	35.6195	ng/ml	100
T AR1016 3	6.036	0.0	33578.929	8.7758	ng/ml	100
T AR1016 4	6.184	0.0	4471.083	1.8319	ng/ml	100
T AR1016 2 #2	6.223	0.0	29806.329	2.7502	ng/ml	100
T AR1016 5	6.415	0.0	117478.929	73.3121	ng/ml	100
T AR1016 3 #2	6.742	0.0	2494910.193	130.7518	ng/ml	100
T AR1016 4 #2	6.965	0.0	3930.287	0.2823	ng/ml	100
T AR1016 5 #2	7.649	0.0	17475.748	1.5658	ng/ml	100
T AR1260 1	8.428	0.0	73574.568	14.8228	ng/ml	100
T AR1260 2	9.013	0.0	1853.707	0.2735	ng/ml	100
T AR1260 3	9.536	0.0	69533.938	9.0130	ng/ml	100
T AR1260 1 #2	9.903	0.0	218608.251	10.3008	ng/ml	100
T AR1260 4	9.968	0.0	101999.765	25.1117	ng/ml	100
T AR1260 2 #2	10.099	0.0	185694.750	0.0000	ng/ml	100
T AR1260 5	10.253	0.0	12290.756	1.3963	ng/ml	100
T AR1260 3 #2	10.615	0.0	725182.344	23.4165	ng/ml	100
T AR1260 4 #2	10.971	0.0	64895.115	3.8118	ng/ml	100
T AR1260 5 #2	11.675	0.0	322095.170	11.4845	ng/ml	100

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

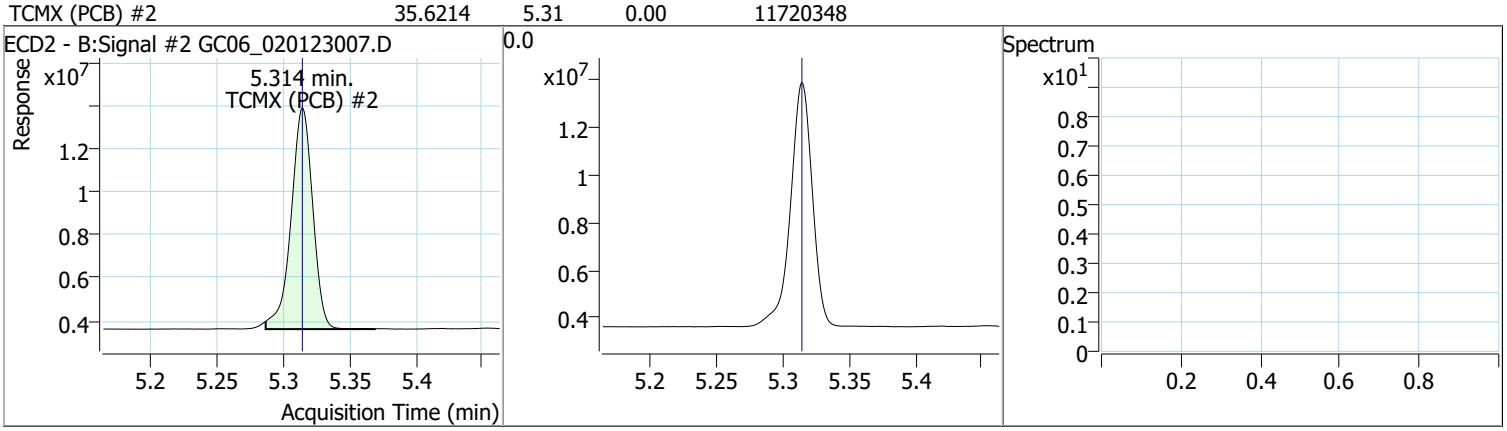
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.2195	4.93	0.01	2207150				



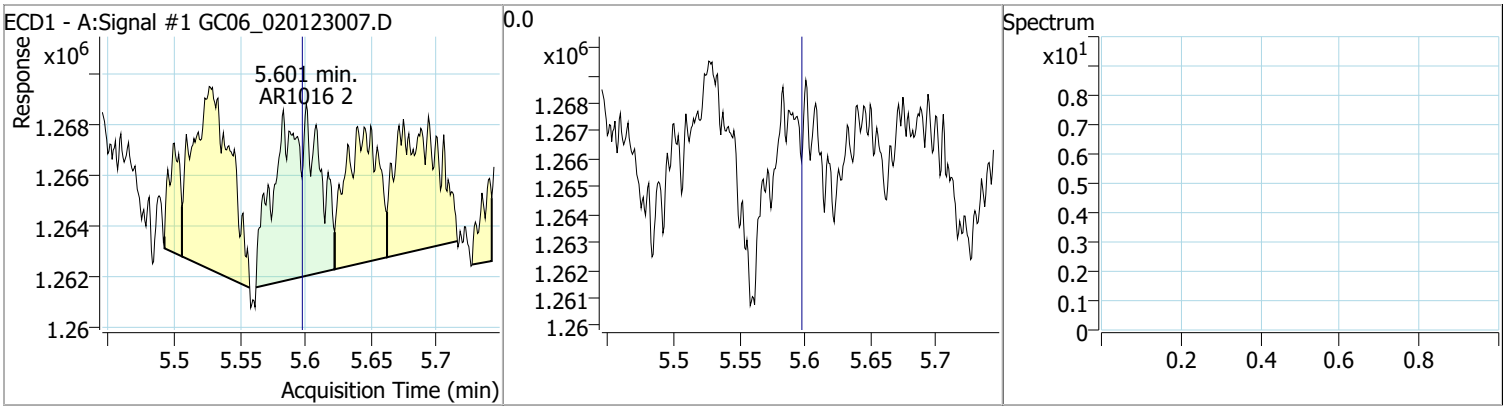
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	47.3605	5.30	0.05	72376				



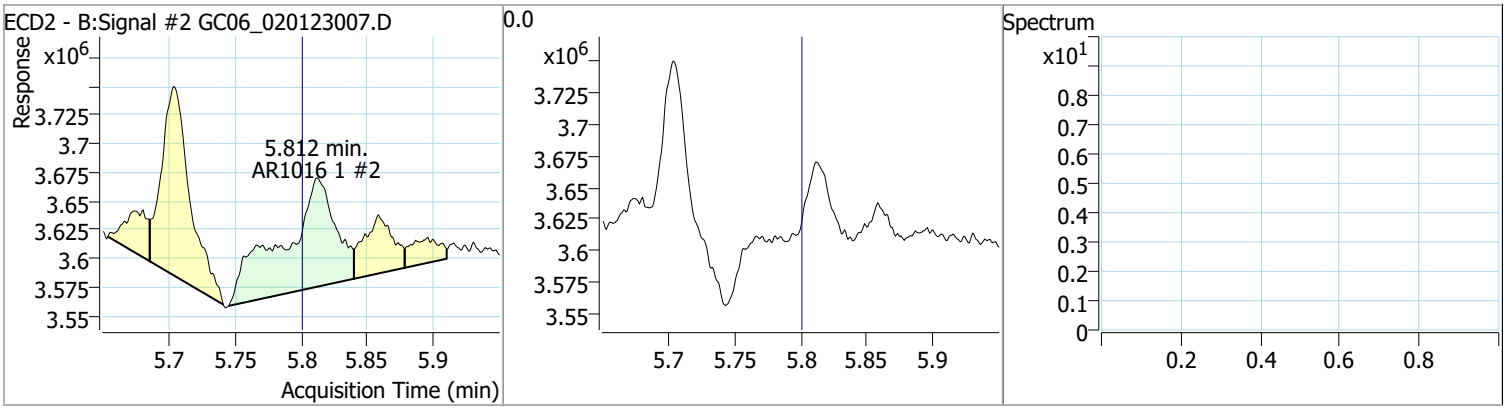
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.6214	5.31	0.00	11720348				



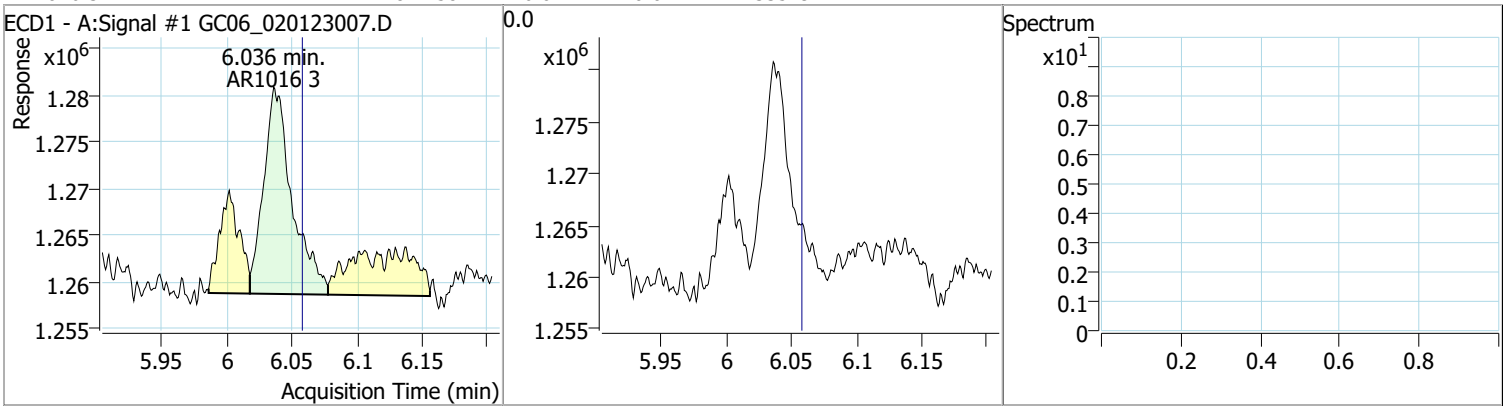
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.60	0.01	15550				



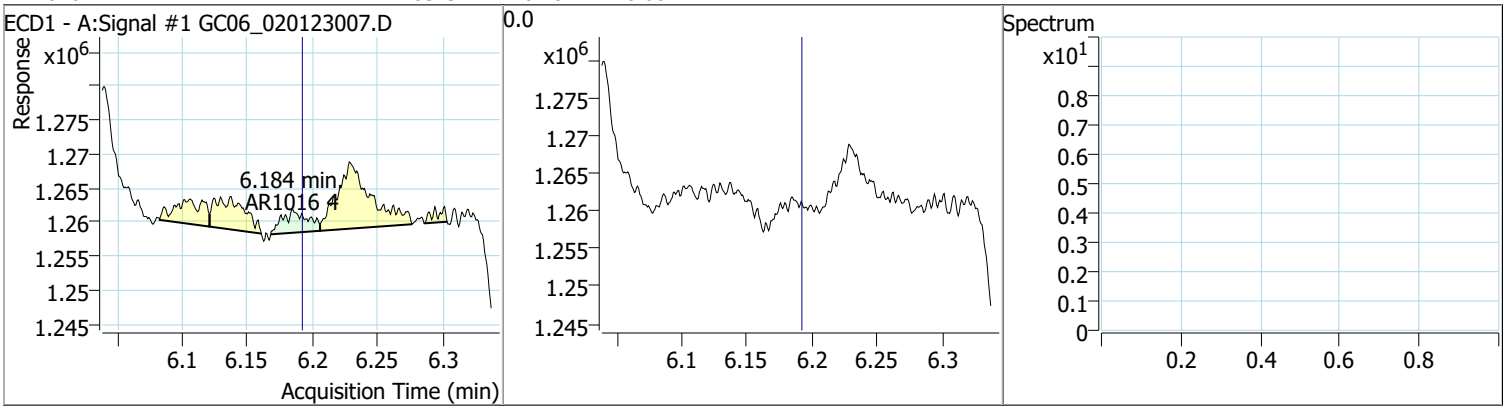
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	35.6195	5.81	0.01	267701				



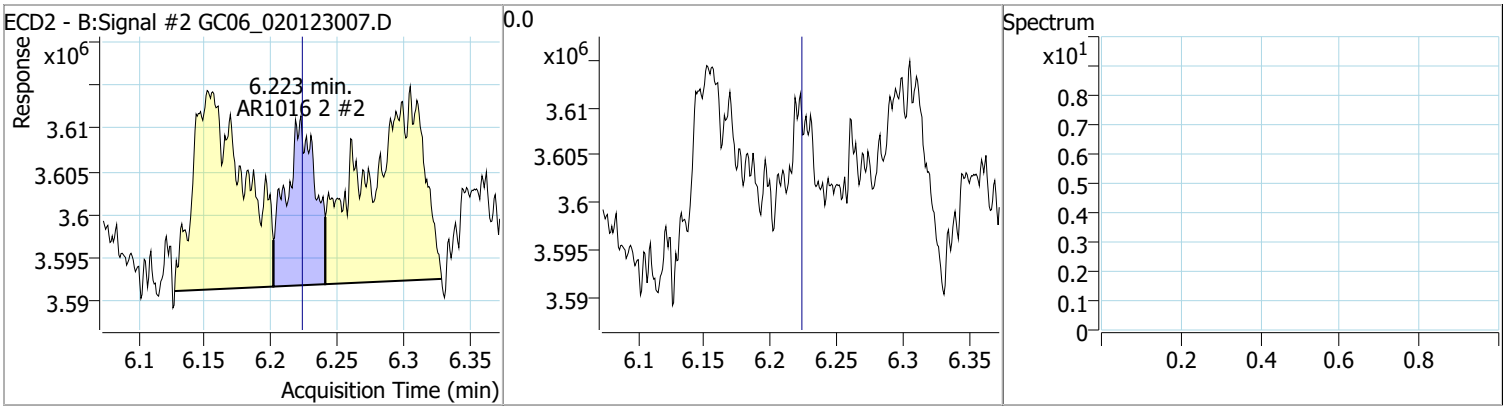
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	8.7758	6.04	-0.01	33579				



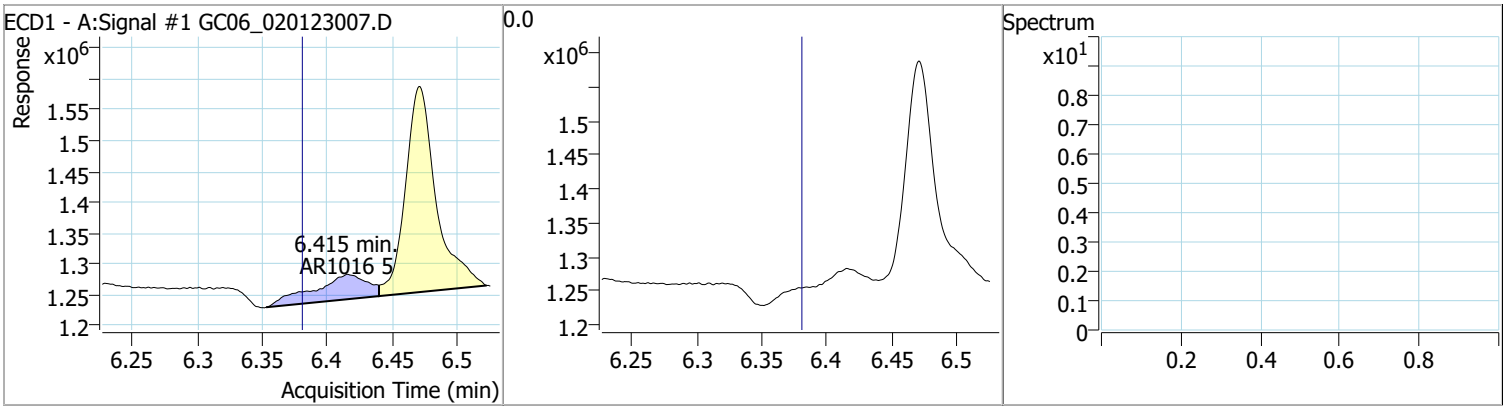
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.8319	6.18	0.00	4471				



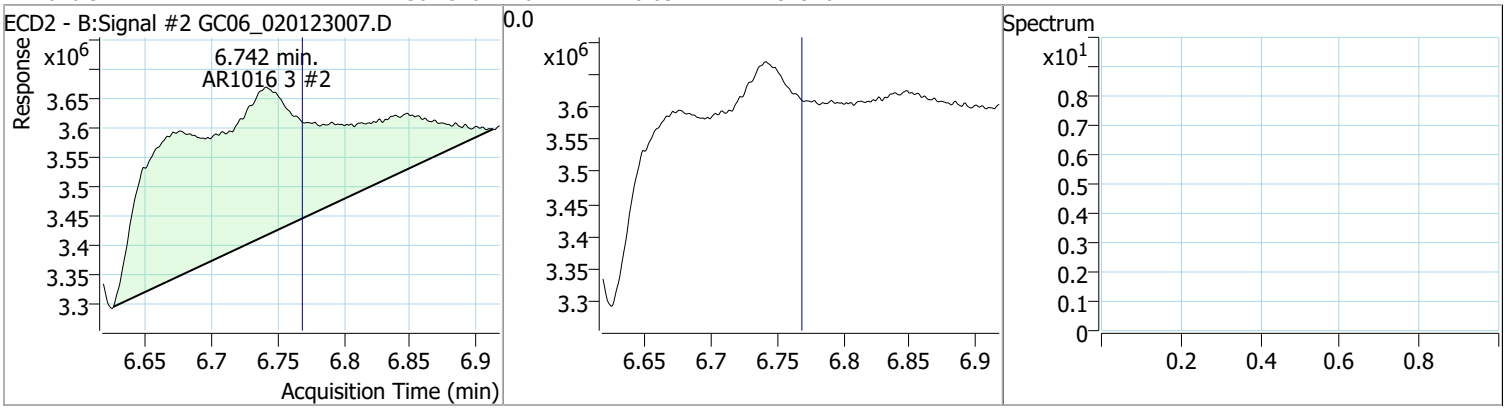
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.7502	6.22	0.00	29806				



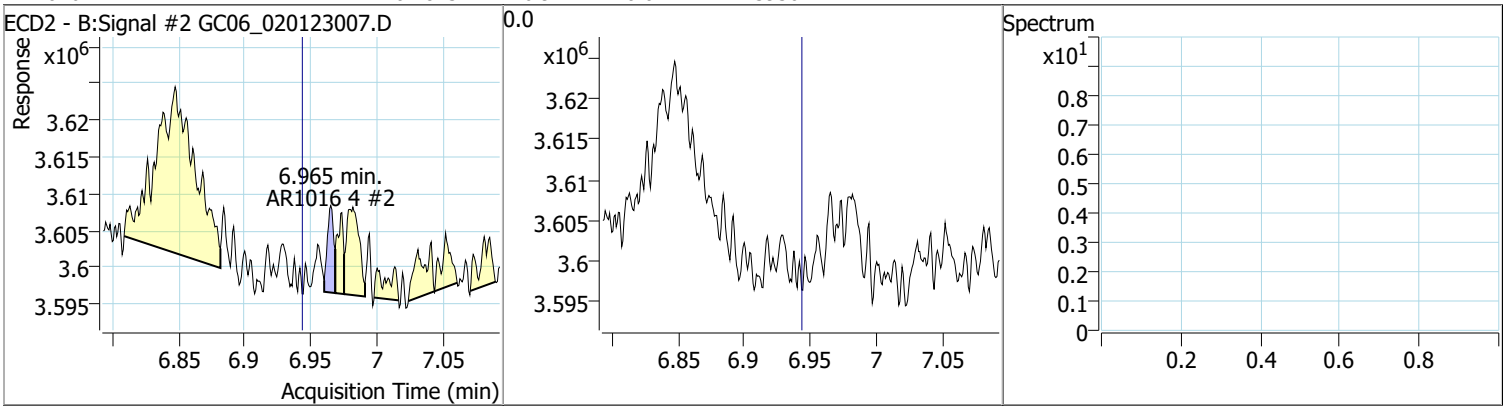
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	73.3121	6.42	0.05	117479				



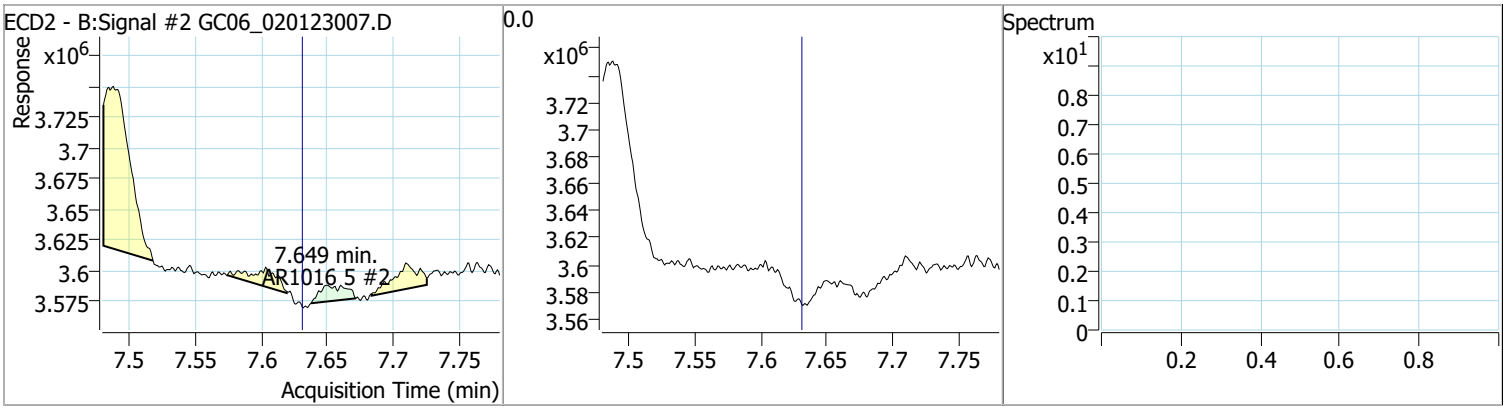
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	130.7518	6.74	-0.03	2494910				



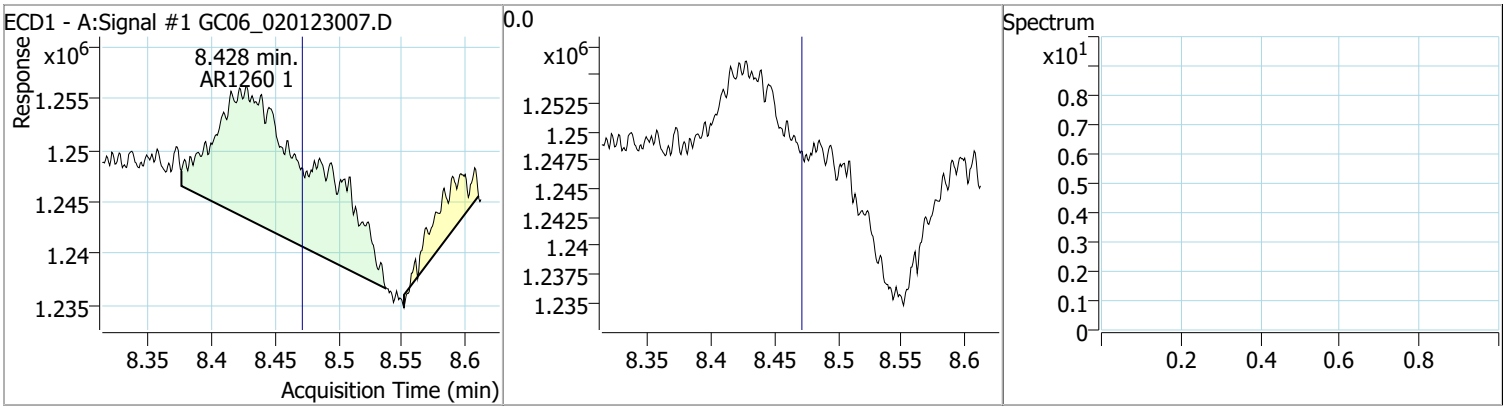
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2823	6.97	0.02	3930				



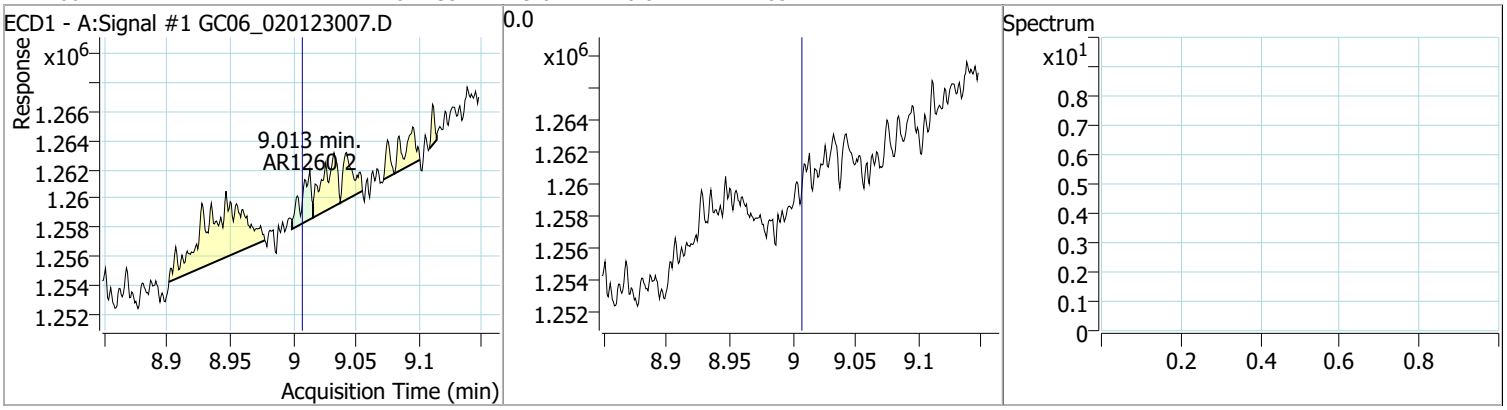
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.5658	7.65	0.02	17476				



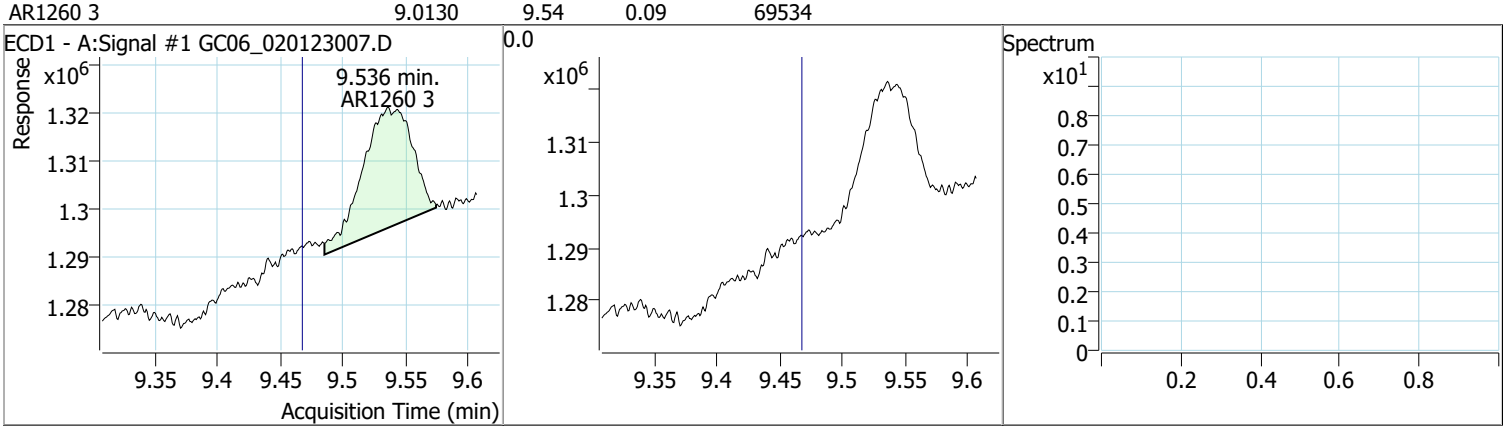
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	14.8228	8.43	-0.03	73575				



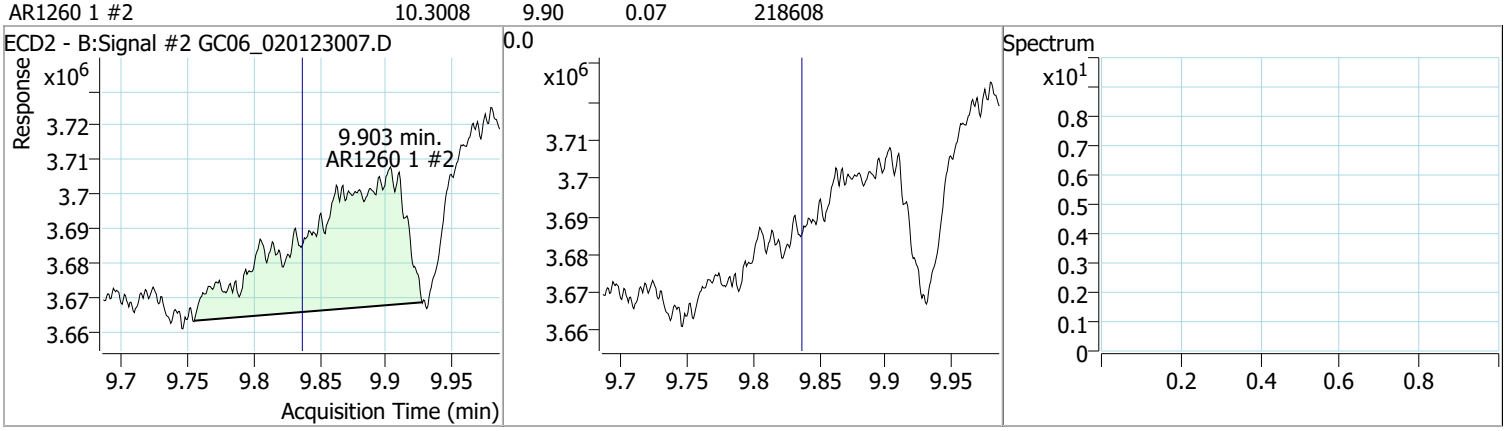
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2735	9.01	0.02	1854				



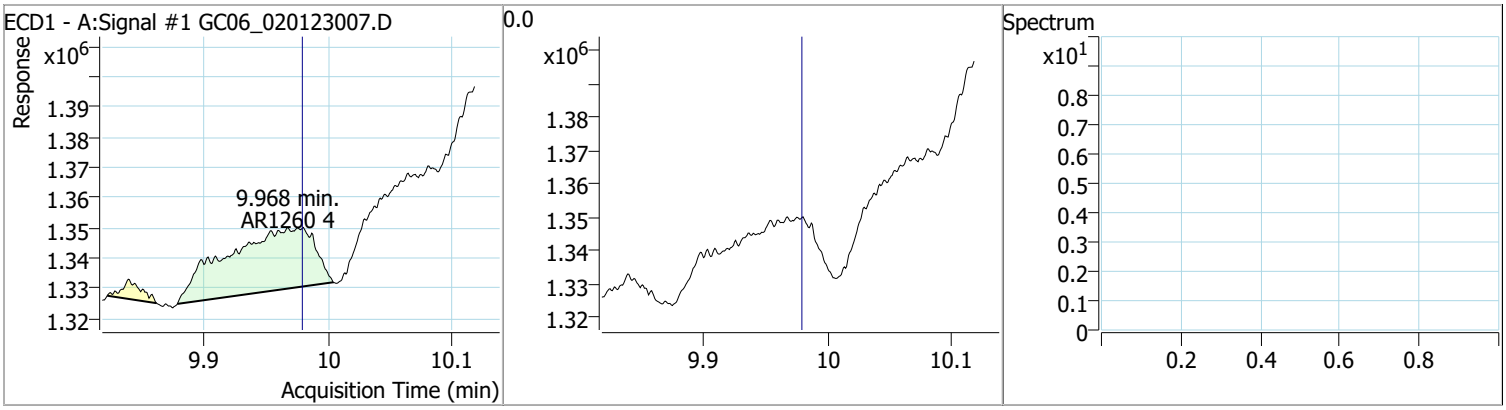
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.0130	9.54	0.09	69534				



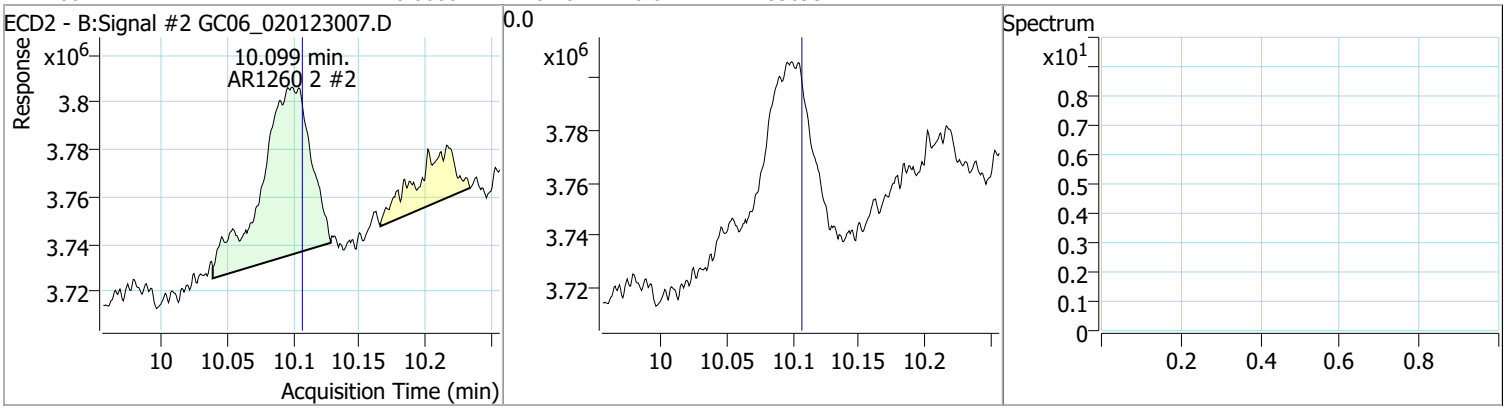
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	10.3008	9.90	0.07	218608				



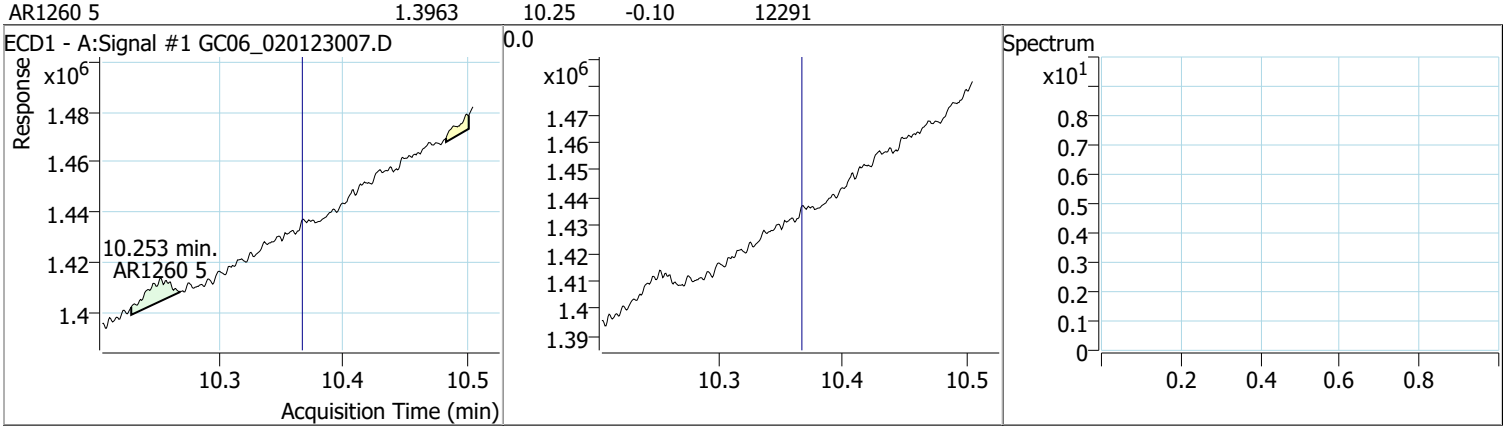
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	25.1117	9.97	0.01	102000				



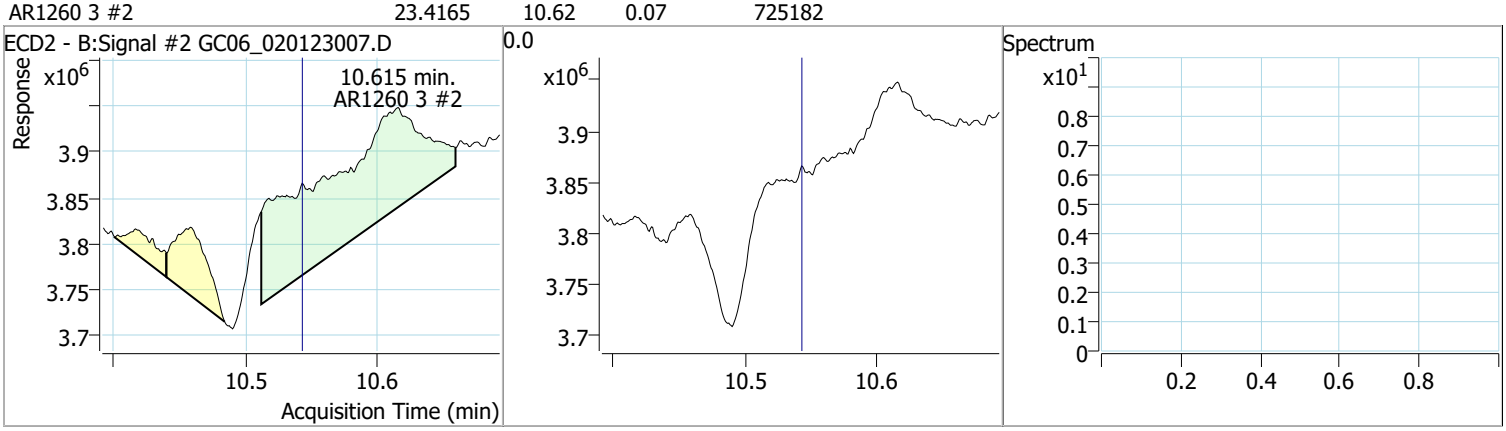
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.10	-0.01	185695				



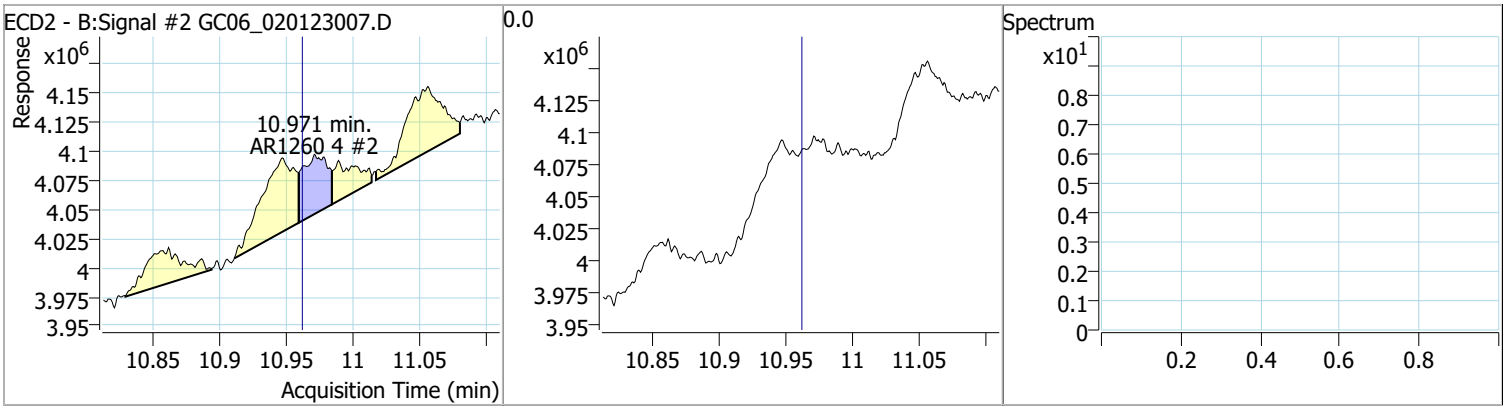
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.3963	10.25	-0.10	12291				



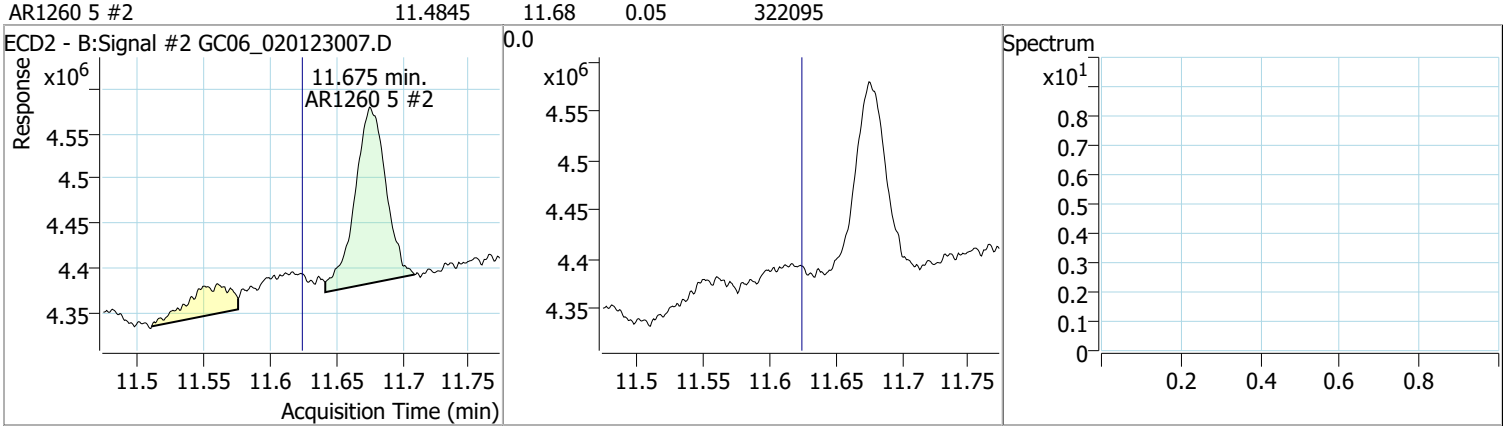
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.4165	10.62	0.07	725182				



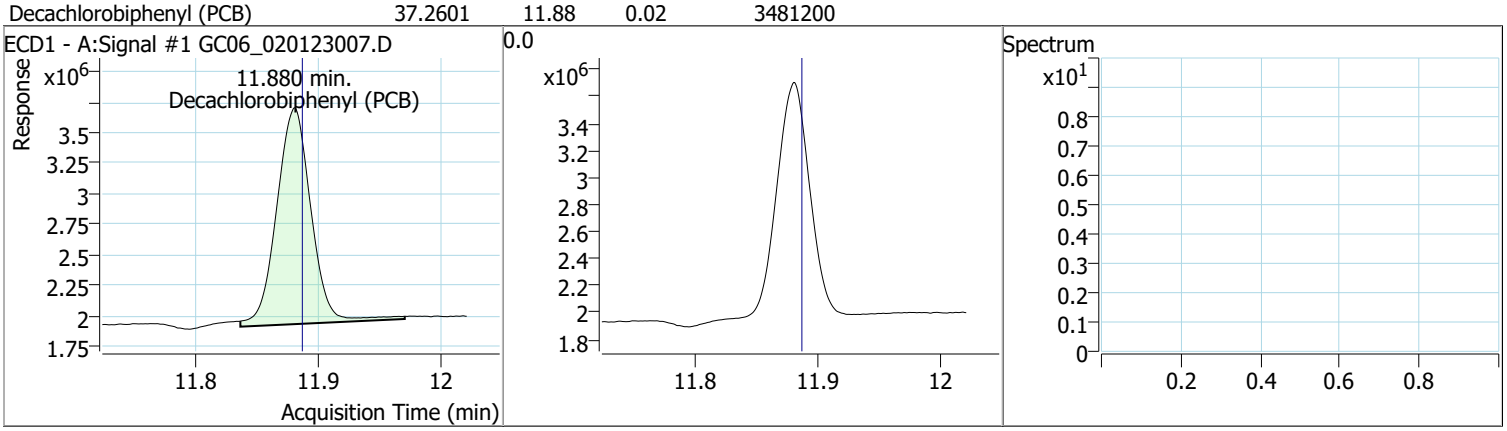
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.8118	10.97	0.01	64895				



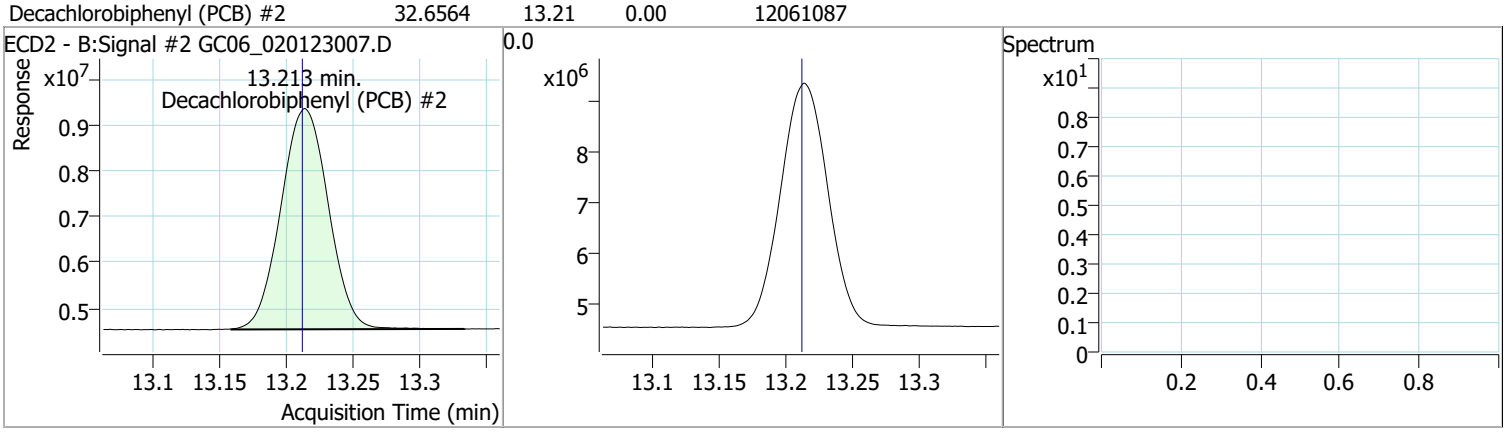
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.4845	11.68	0.05	322095				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.2601	11.88	0.02	3481200				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.6564	13.21	0.00	12061087				



ENTHALPY SPIKE USER REPORT FOR 478371 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	453046656008.2	Seqnum:	453046656009.2
File:	gc06_020123008	File:	gc06_020123009
IDF:	1.0	IDF:	1.0
Lab ID:	QC1042115	Lab ID:	QC1042116
Matrix:	Wipe	Matrix:	Wipe
Batch:	306459	Batch:	306459
Time:	01-FEB-2023 12:08	Time:	01-FEB-2023 12:27
Cal:	453006691001	Cal:	453006691001
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	322.8	3.228	B	65	393.4	3.934	B	79	60-140	20	20	u
Aroclor-1016 Peak # 1		305.1	3.051	B		361.3	3.613	B					
Aroclor-1016 Peak # 2		330.5	3.305	B		395.9	3.959	B					
Aroclor-1016 Peak # 3		330.8	3.308	B		402.6	4.026	B					
Aroclor-1016 Peak # 4		320.4	3.204	B		395.7	3.957	B					
Aroclor-1016 Peak # 5		327.1	3.271	B		411.8	4.118	B					
Aroclor-1260	5.000	351.7	3.517	A	70	428.8	4.288	A	86	60-140	20	20	u
Aroclor-1260 Peak # 1		328.5	3.285	A		411.1	4.111	A					
Aroclor-1260 Peak # 2		370.2	3.702	A		439.4	4.394	A					
Aroclor-1260 Peak # 3		308.2	3.082	A		407.1	4.071	A					
Aroclor-1260 Peak # 4		382.1	3.821	A		446.3	4.463	A					
Aroclor-1260 Peak # 5		369.6	3.696	A		440.3	4.403	A					
Surrogates													
TCMX (PCB)	0.5000	32.63	0.3263	B	65	39.35	0.3935	B	79	19-121			u
Decachlorobiphenyl (PCB)	0.5000	32.23	0.3223	B	64	40.89	0.4089	B	82	19-121			u

ISTD (CCV gc06_020123002)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	6650756	-2.34
1-bromo-2-nitrobenzene (PCB)	A	1458049	1293347	-11.30

ISTD (CCV gc06_020123002)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

ISTD (CCV gc06_020123002)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6809781	7781027	14.26
1-bromo-2-nitrobenzene (PCB)	A	1458049	1619308	11.06

ISTD (CCV gc06_020123002)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.39	4.39	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

TRN 02/03/23 [Aroclor-1016 Peak # 2 B]: Separated from coeluting peak for Ch. B for spike & dup. [general version]

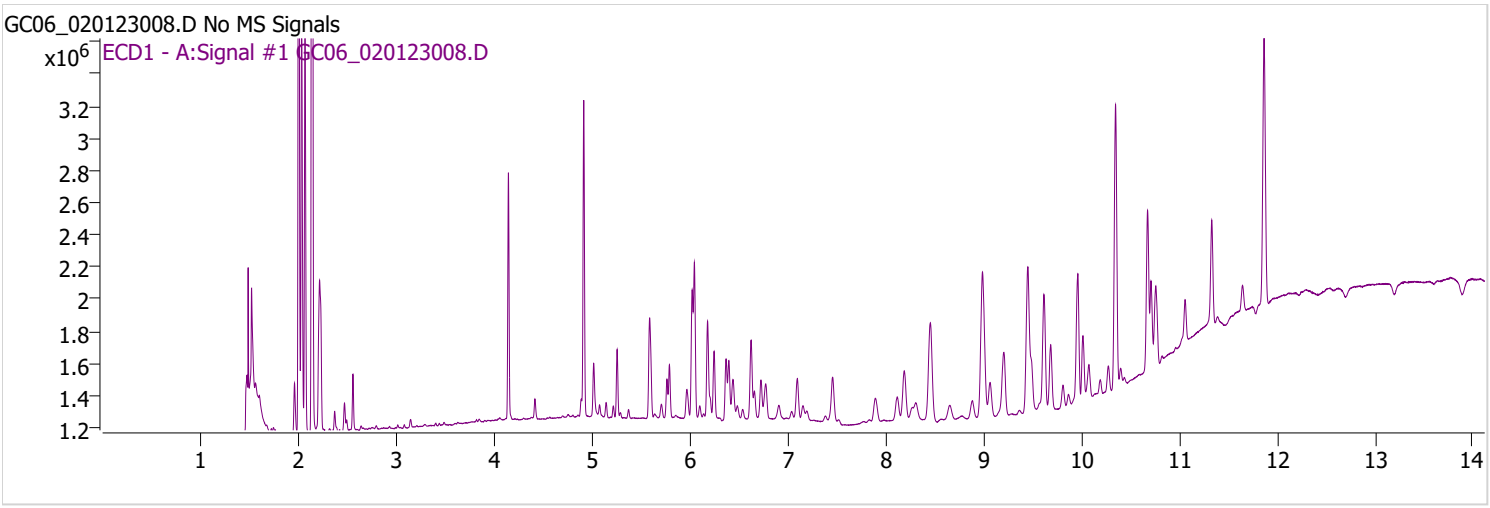
TRN 02/03/23 [1-bromo-2-nitrobenzene (PCB) A]: Corrected baseline noise or negative peak for all channels for spike & dup. [general version]

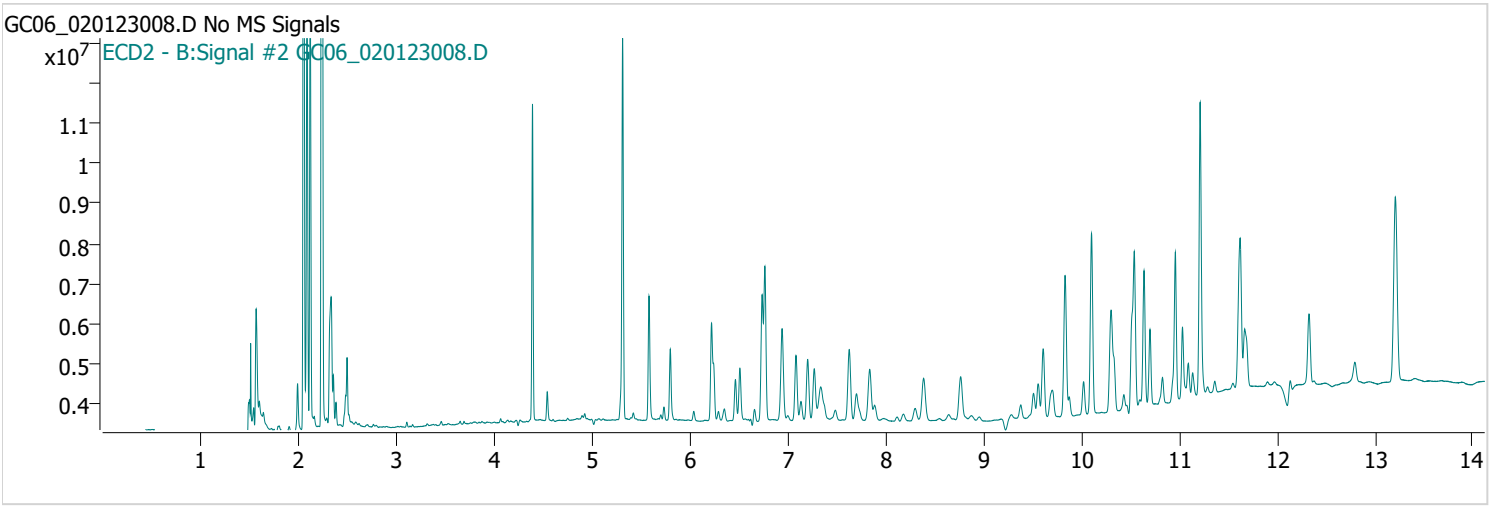
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Analyst: TRN 02/03/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123008.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 12:08:46 PM
Sample Name	QC1042115, 306459, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



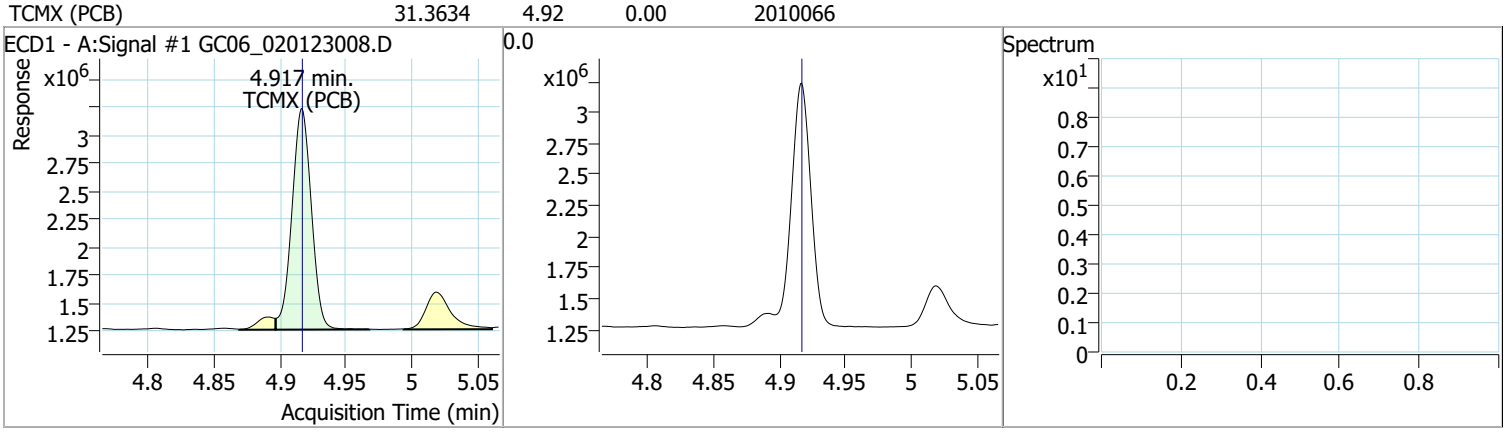


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.147	0.0	1293347.400	20.0000	ng/ml	m	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	6650756.400	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	4.917	0.0	2010065.562	31.3634	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.82%		*	
S TCMX (PCB) #2	5.313	0.0	10495526.674	32.6326	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.16%		*	
S Decachlorobiphenyl (PCB)	11.868	0.0	3149647.998	34.9485	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.74%		*	
S Decachlorobiphenyl (PCB) #2	13.209	0.0	11636899.571	32.2326	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.16%		*	
Target Compounds							QValue

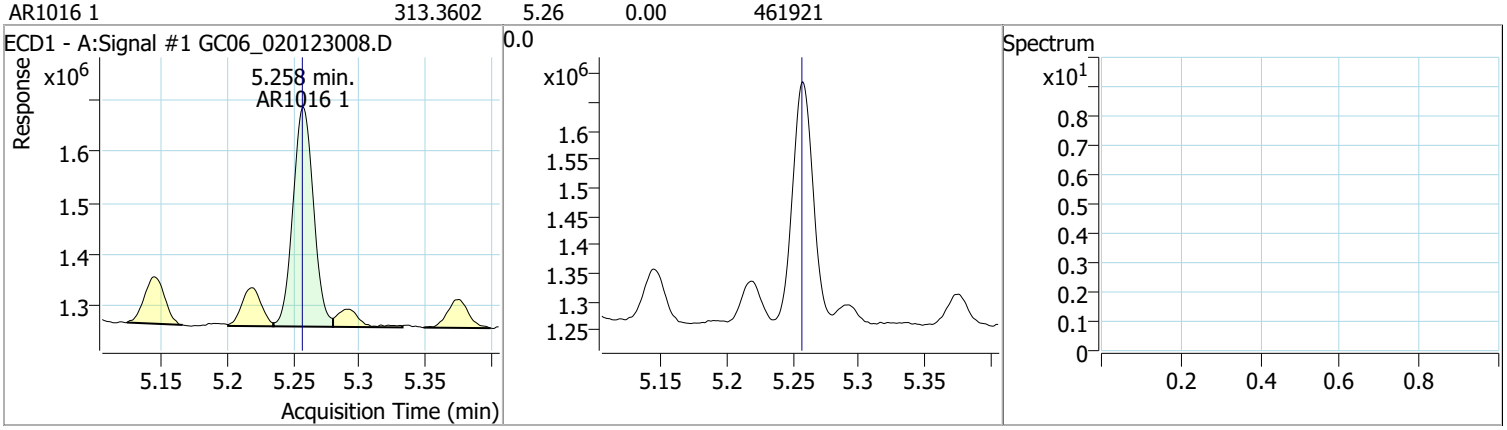
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.258	0.0	461921.460	313.3602	ng/ml		100
T AR1016 2	5.590	0.0	1016010.917	359.3861	ng/ml		100
T AR1016 1 #2	5.801	0.0	2241506.808	305.1086	ng/ml		100
T AR1016 3	6.047	0.0	1250425.294	338.7888	ng/ml		100
T AR1016 4	6.182	0.0	984379.027	418.1293	ng/ml		100
T AR1016 2 #2	6.223	0.0	3501709.886	330.5281	ng/ml	m	100
T AR1016 5	6.371	0.0	533930.618	345.4238	ng/ml		100
T AR1016 3 #2	6.768	0.0	6170861.554	330.8378	ng/ml		100
T AR1016 4 #2	6.943	0.0	4361676.692	320.4469	ng/ml		100
T AR1016 5 #2	7.629	0.0	3569221.946	327.1488	ng/ml		100
T AR1260 1	8.458	0.0	1572712.256	328.4752	ng/ml		100
T AR1260 2	8.991	0.0	2419854.081	370.1909	ng/ml		100
T AR1260 3	9.454	0.0	2293260.873	308.1617	ng/ml		100
T AR1260 1 #2	9.835	0.0	6610366.691	318.6450	ng/ml		100
T AR1260 4	9.965	0.0	1497132.209	382.1112	ng/ml		100
T AR1260 2 #2	10.105	0.0	7732880.557	351.7120	ng/ml		100
T AR1260 5	10.351	0.0	3138442.601	369.6367	ng/ml		100
T AR1260 3 #2	10.542	0.0	9772146.274	322.8055	ng/ml		100
T AR1260 4 #2	10.962	0.0	5761387.198	346.1987	ng/ml		100
T AR1260 5 #2	11.623	0.0	8490576.613	309.7001	ng/ml		100

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

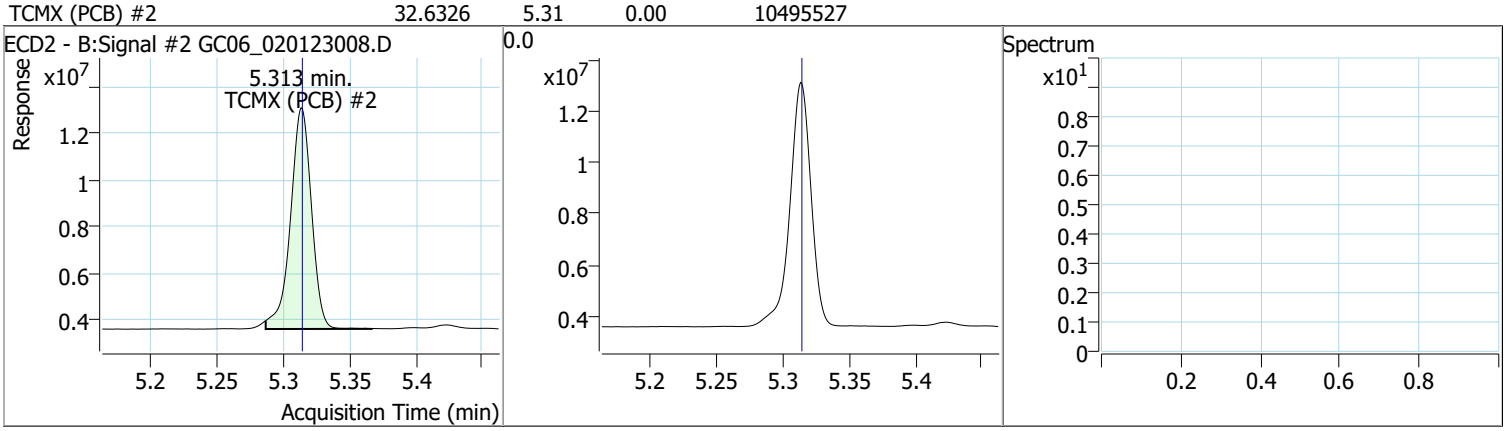
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.3634	4.92	0.00	2010066				



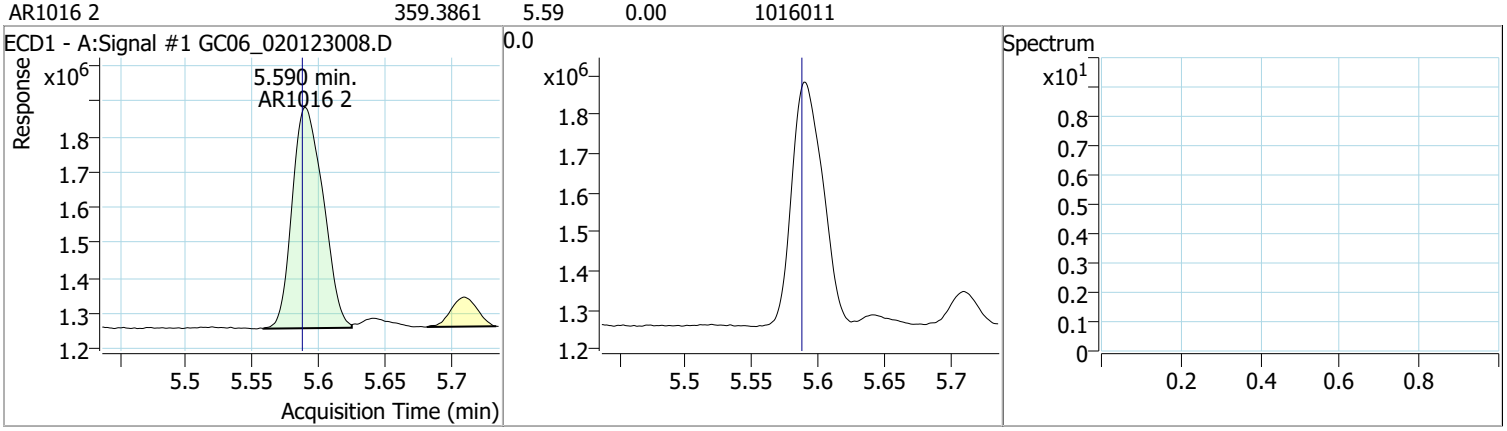
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	313.3602	5.26	0.00	461921				



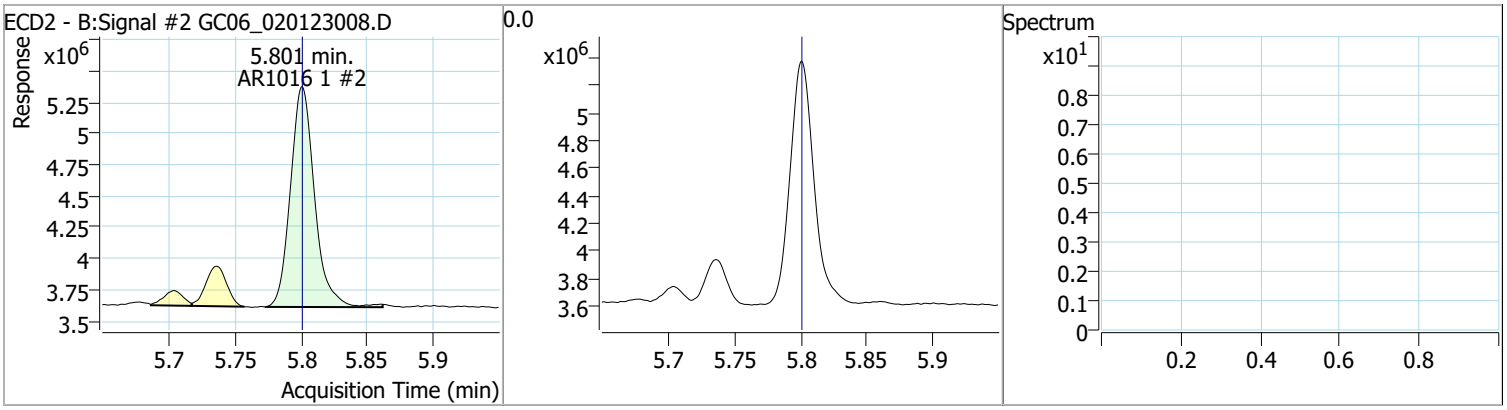
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.6326	5.31	0.00	10495527				



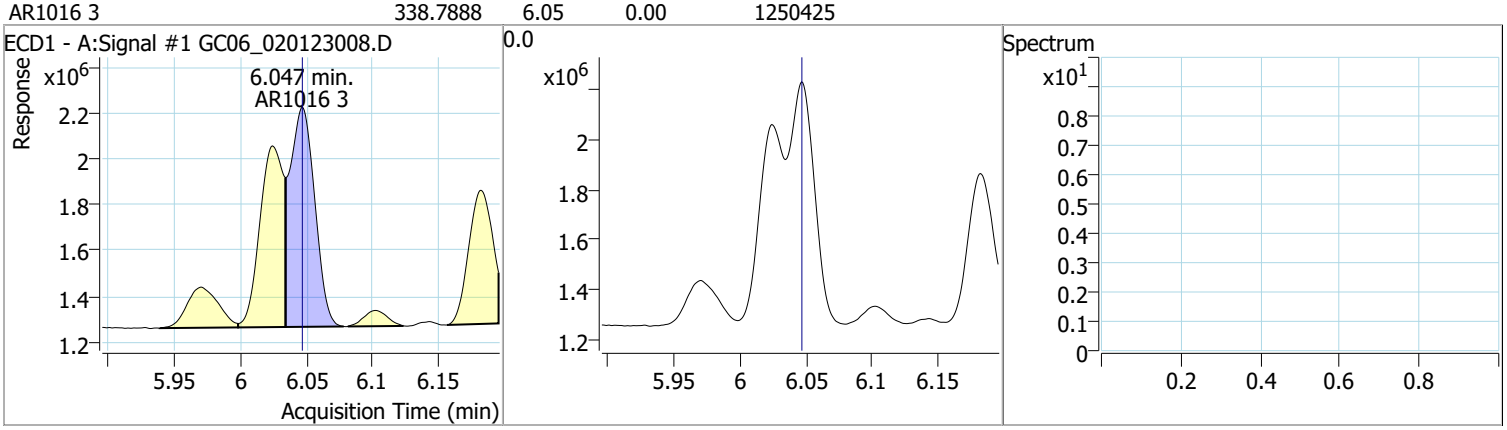
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	359.3861	5.59	0.00	1016011				



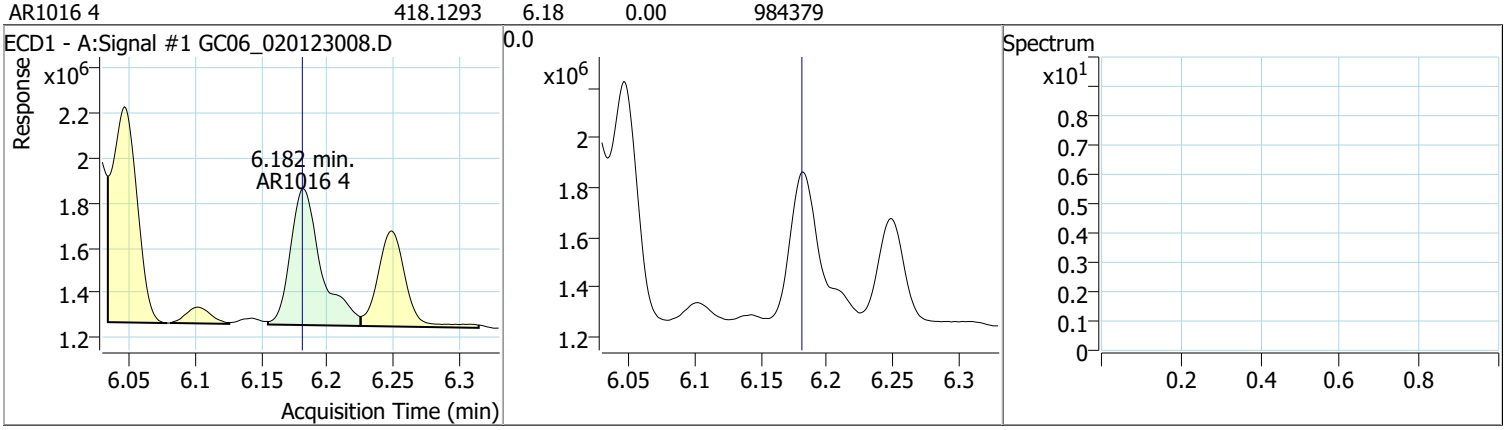
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	305.1086	5.80	0.00	2241507				



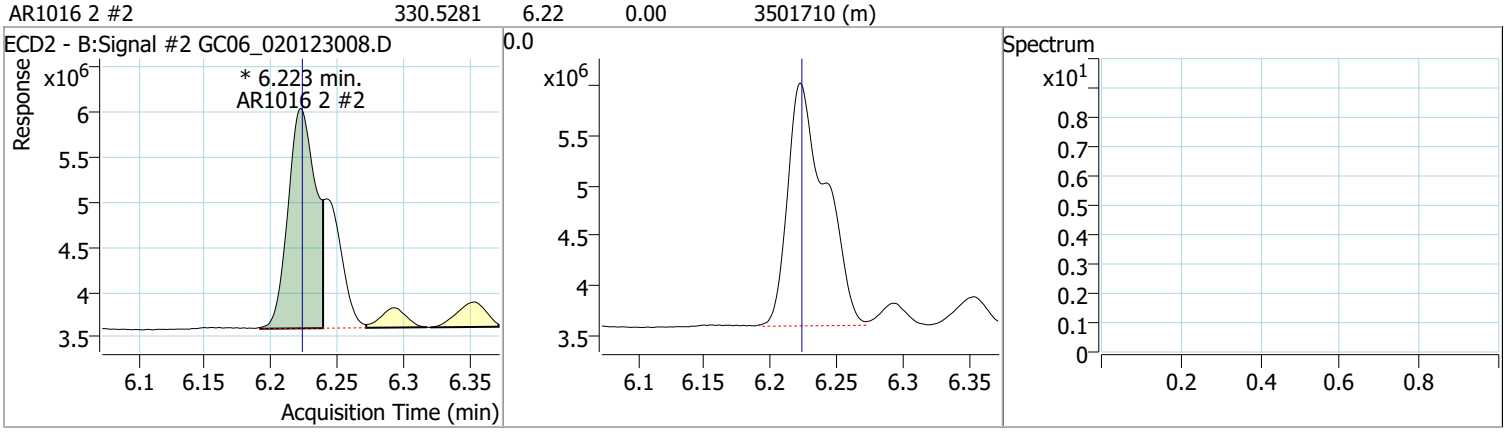
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	338.7888	6.05	0.00	1250425				



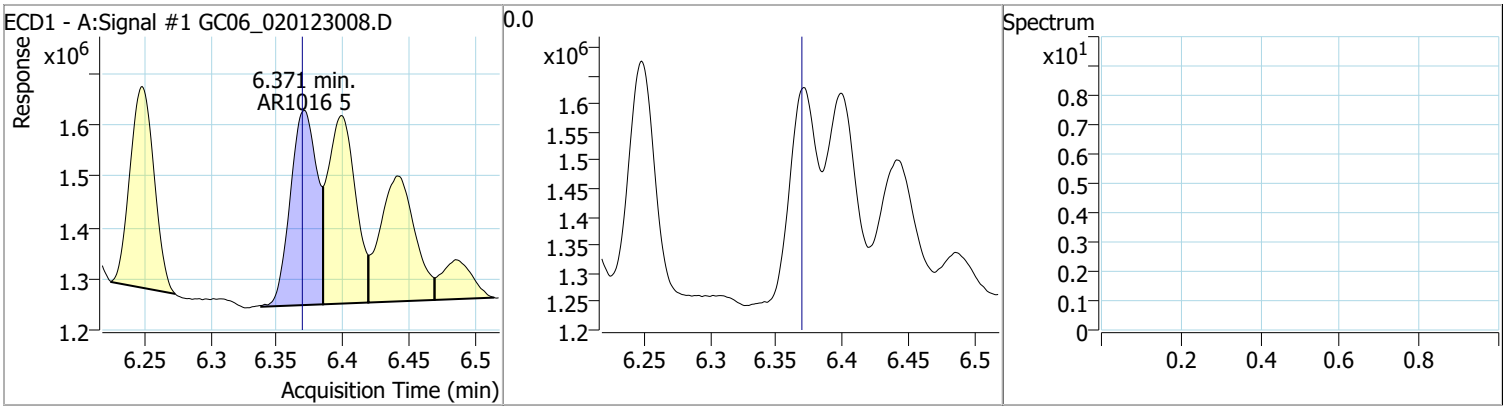
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	418.1293	6.18	0.00	984379				



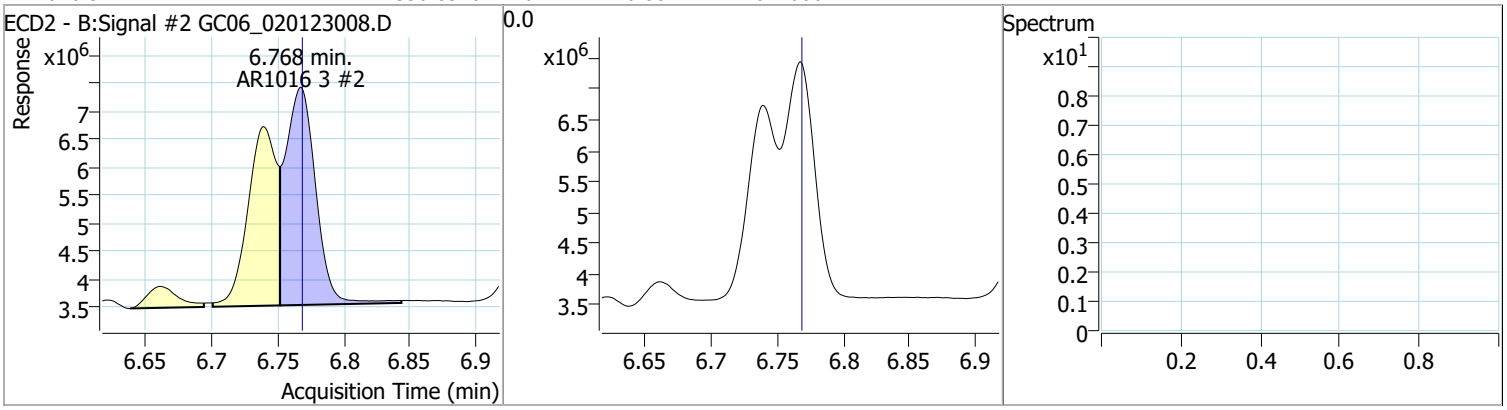
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	330.5281	6.22	0.00	3501710 (m)				



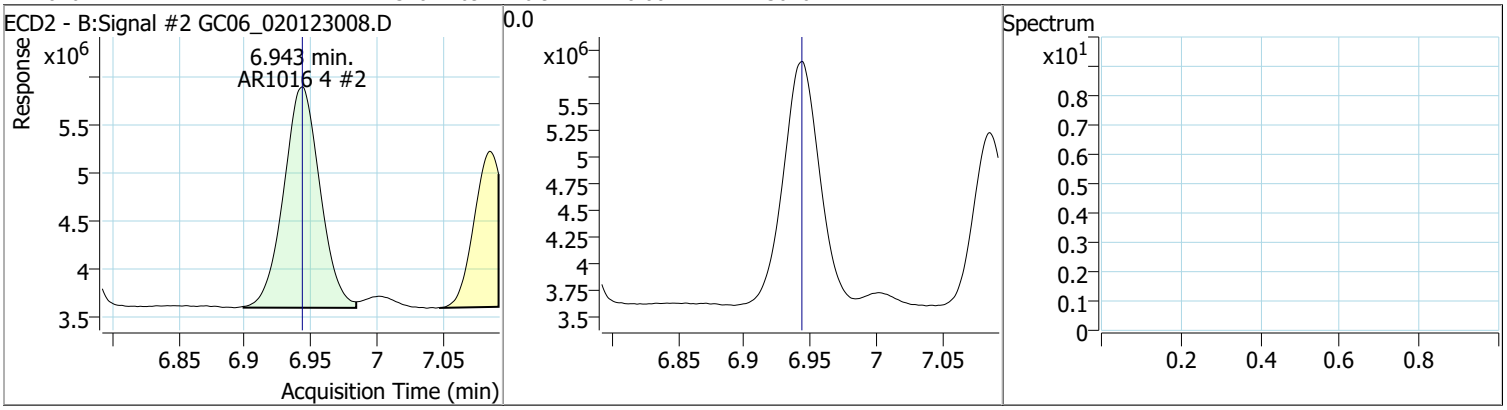
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	345.4238	6.37	0.00	533931				



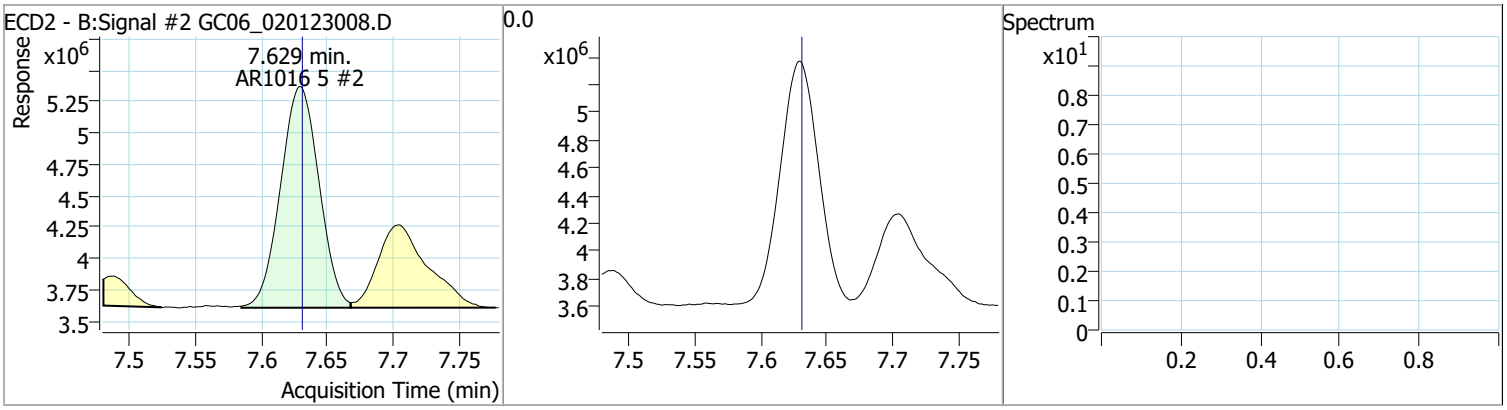
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	330.8378	6.77	0.00	6170862				



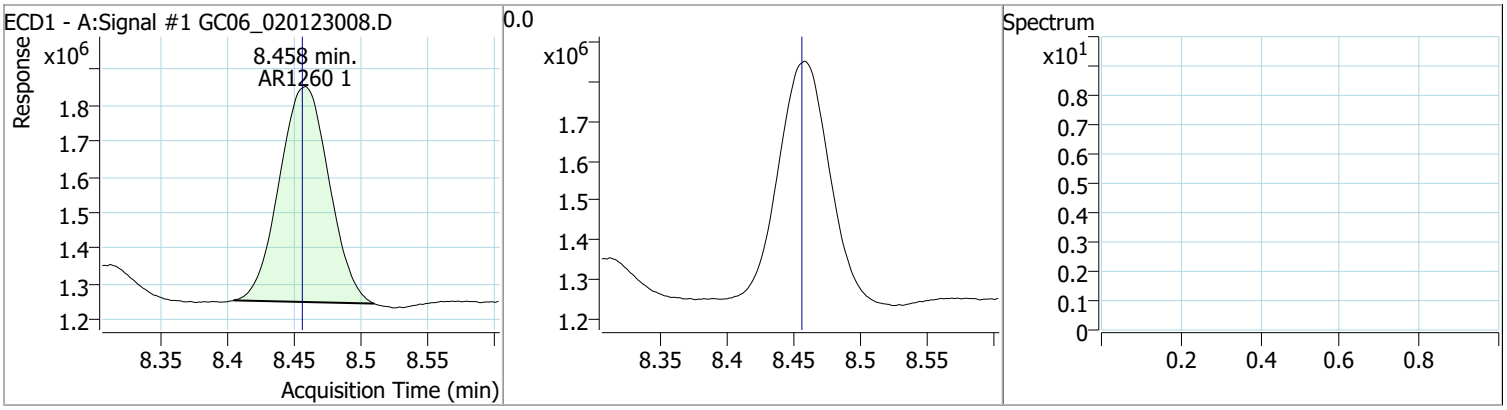
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	320.4469	6.94	0.00	4361677				



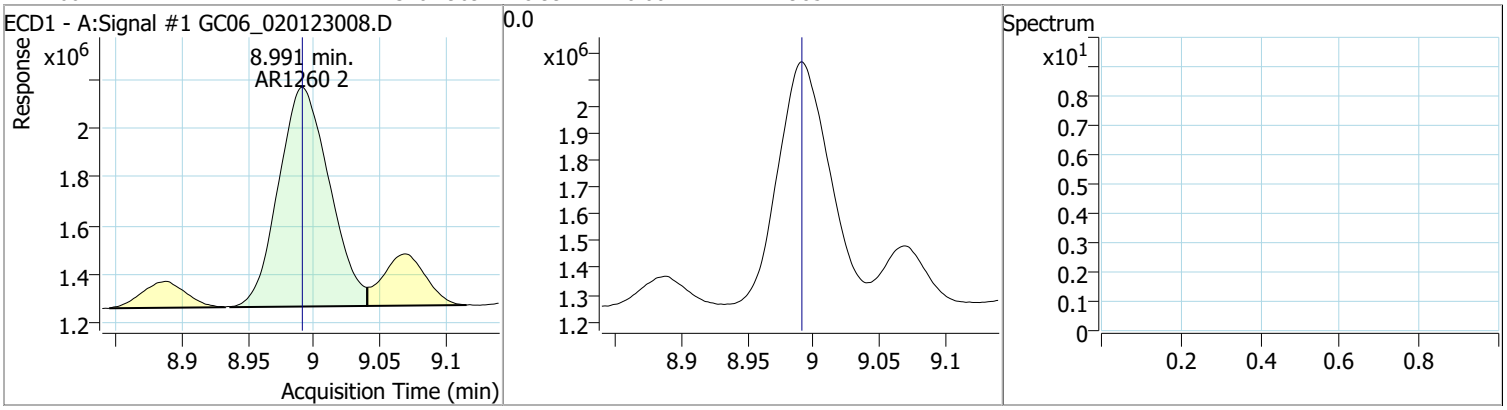
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	327.1488	7.63	0.00	3569222				



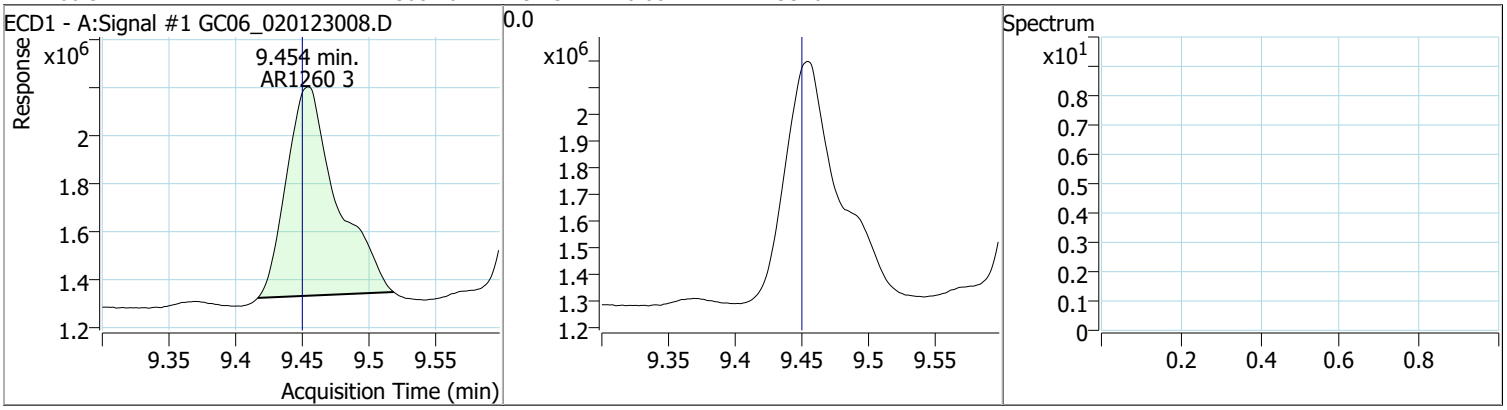
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	328.4752	8.46	0.00	1572712				



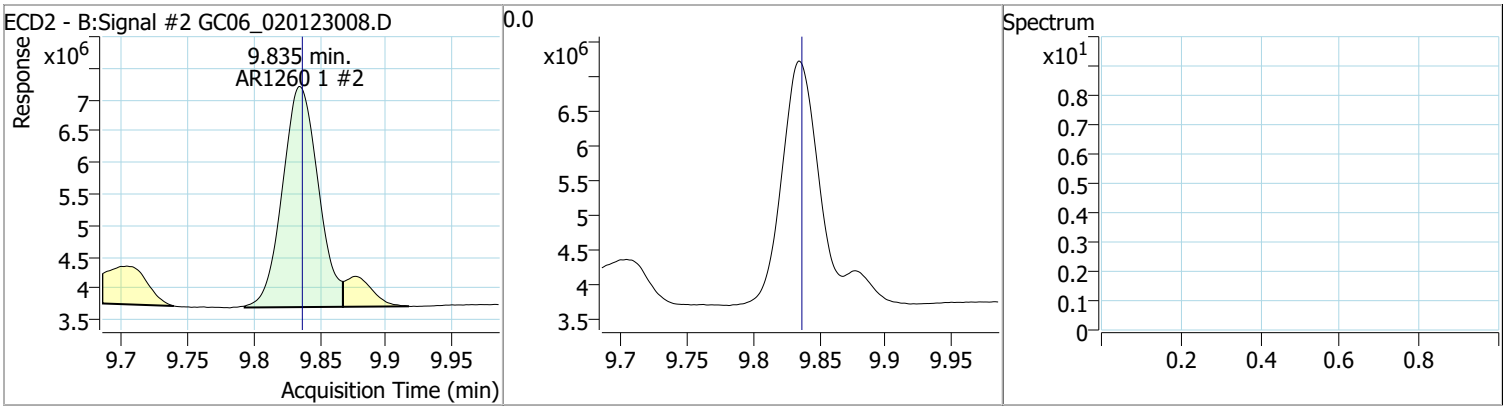
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	370.1909	8.99	0.00	2419854				



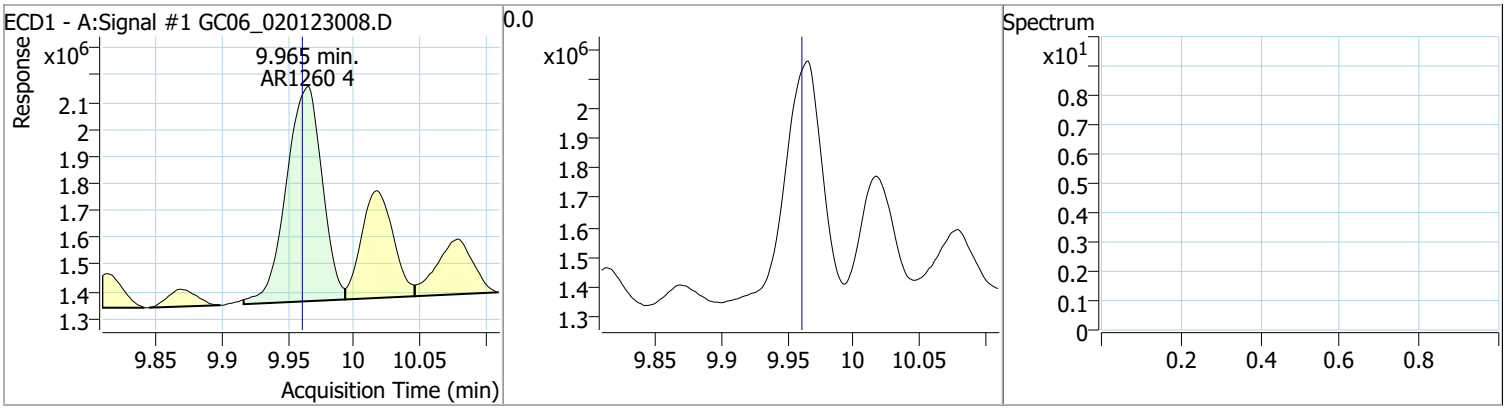
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	308.1617	9.45	0.00	2293261				



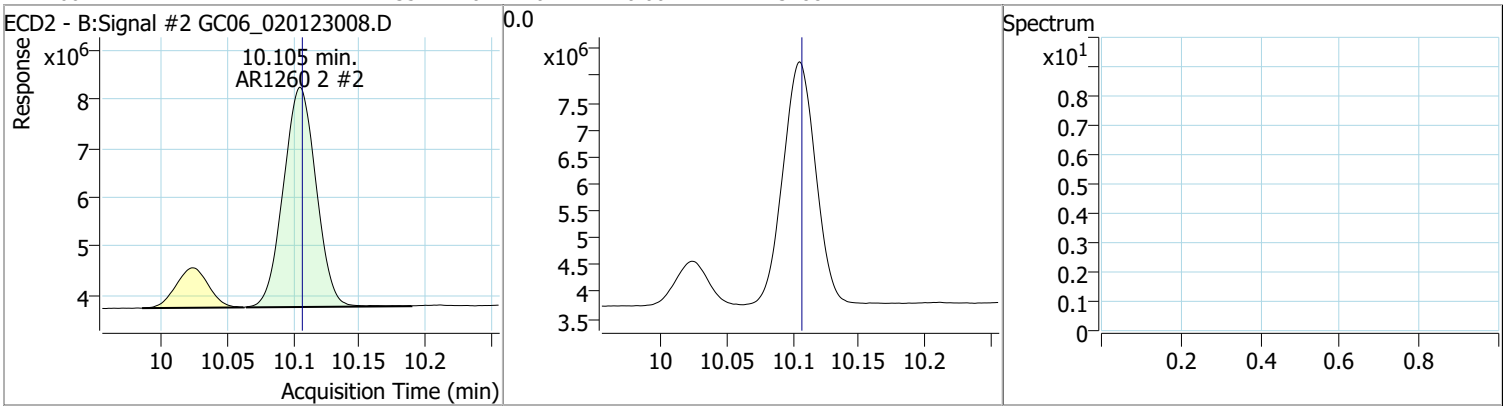
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	318.6450	9.84	0.00	6610367				



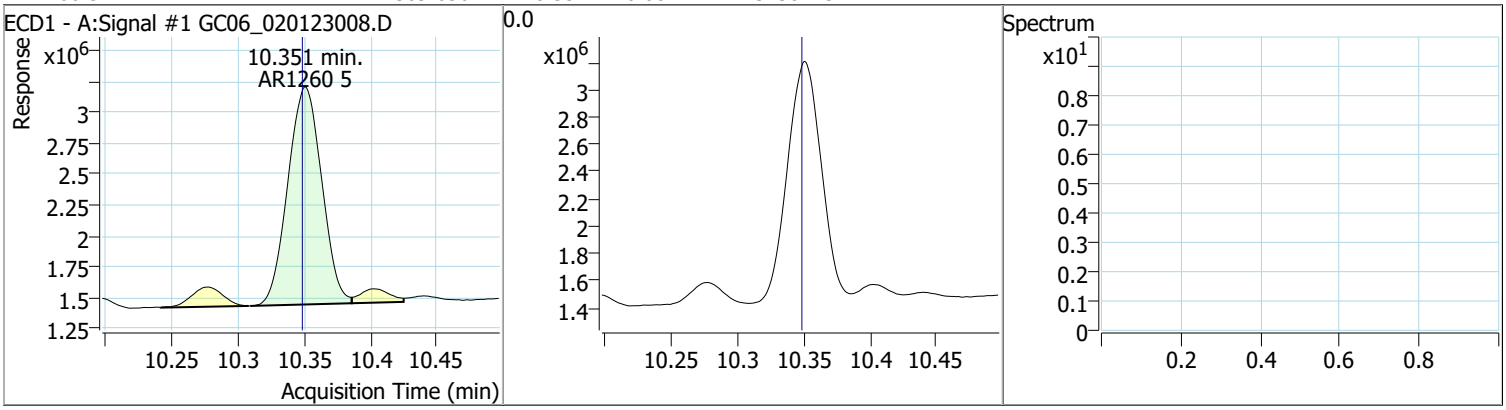
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	382.1112	9.97	0.00	1497132				



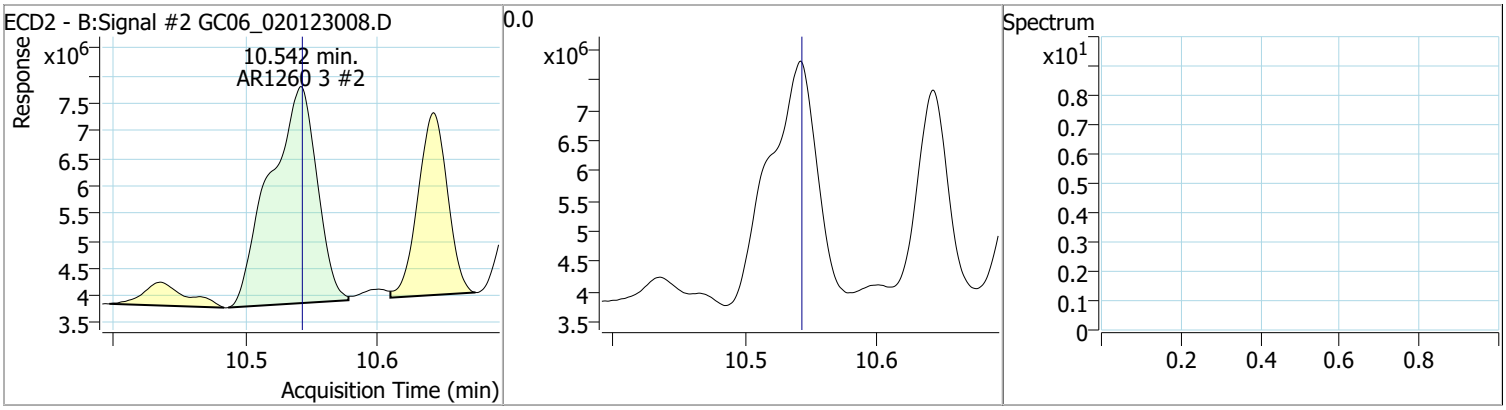
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	351.7120	10.11	0.00	7732881				



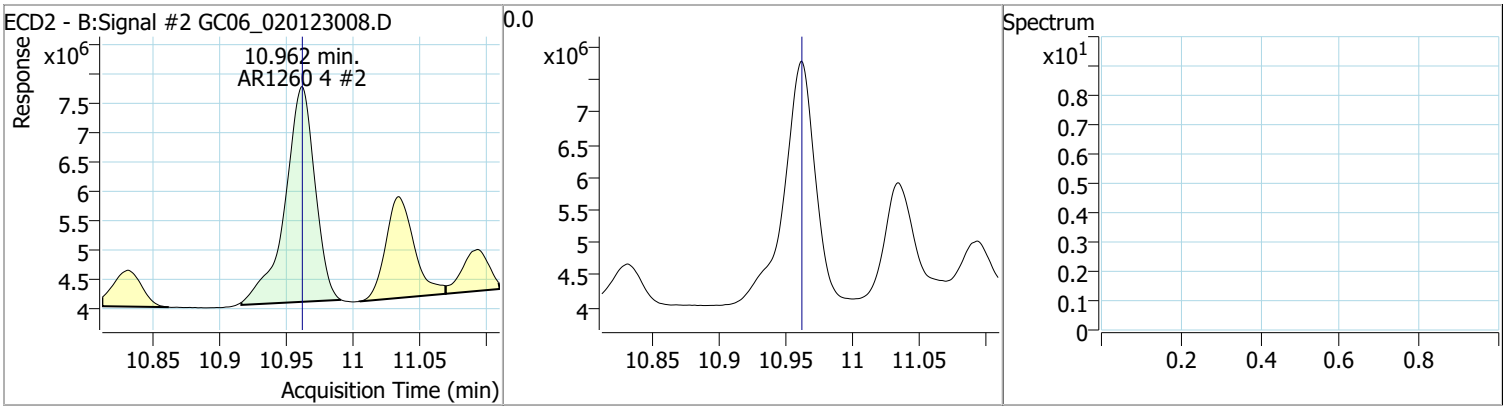
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	369.6367	10.35	0.00	3138443				



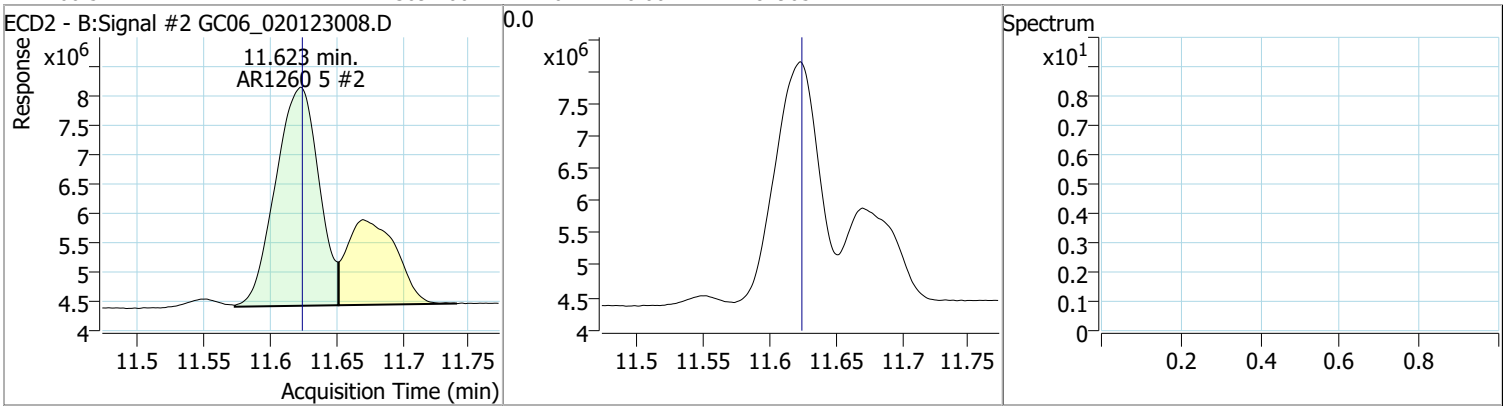
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	322.8055	10.54	0.00	9772146				



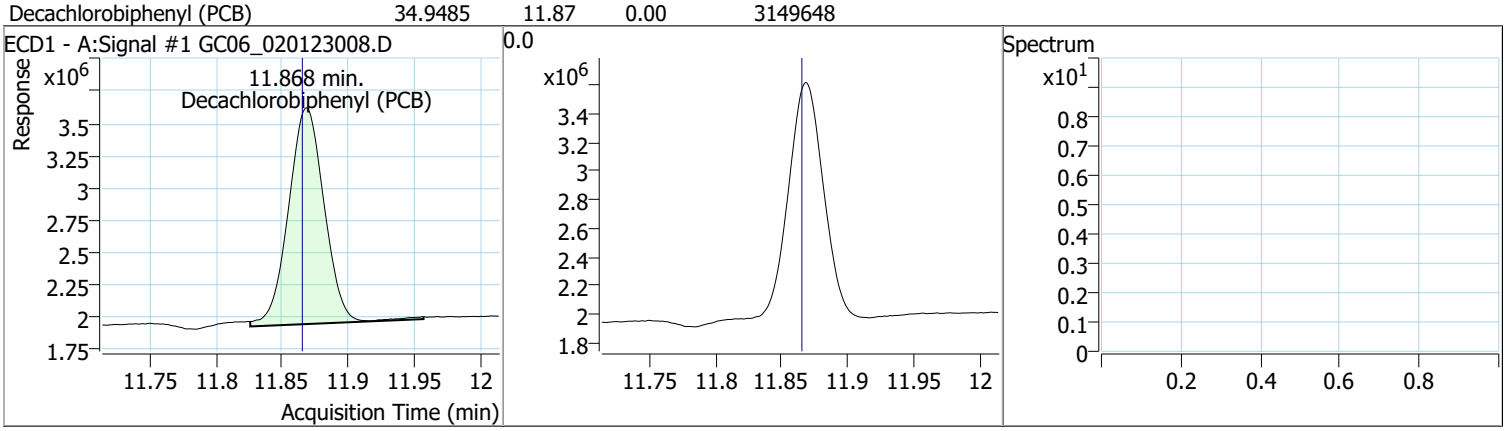
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	346.1987	10.96	0.00	5761387				



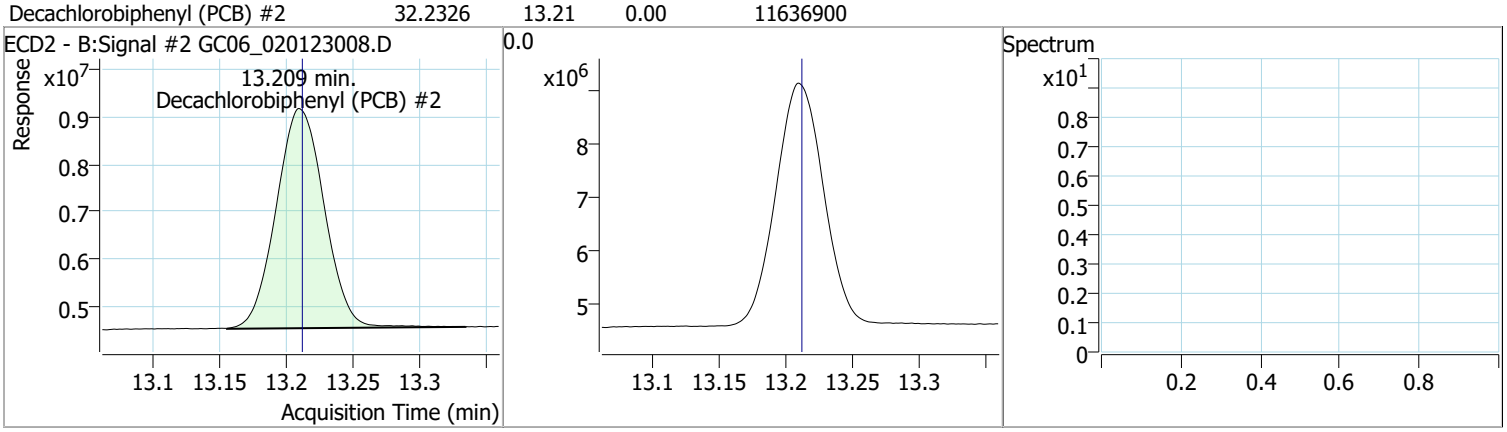
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	309.7001	11.62	0.00	8490577				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.9485	11.87	0.00	3149648				

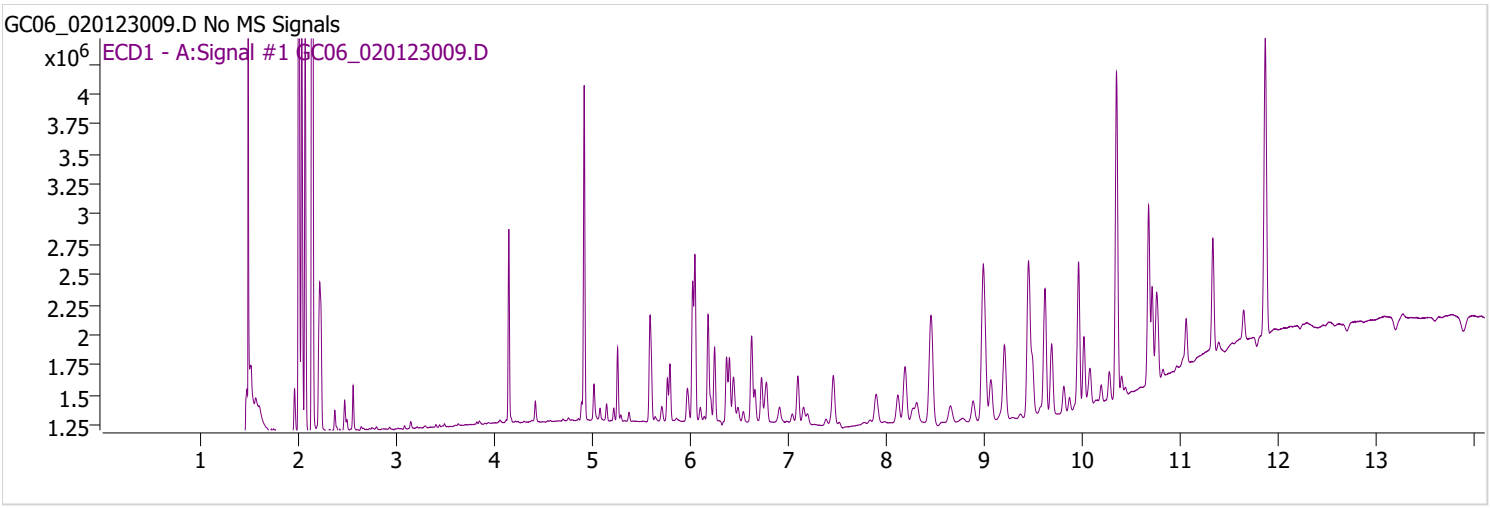


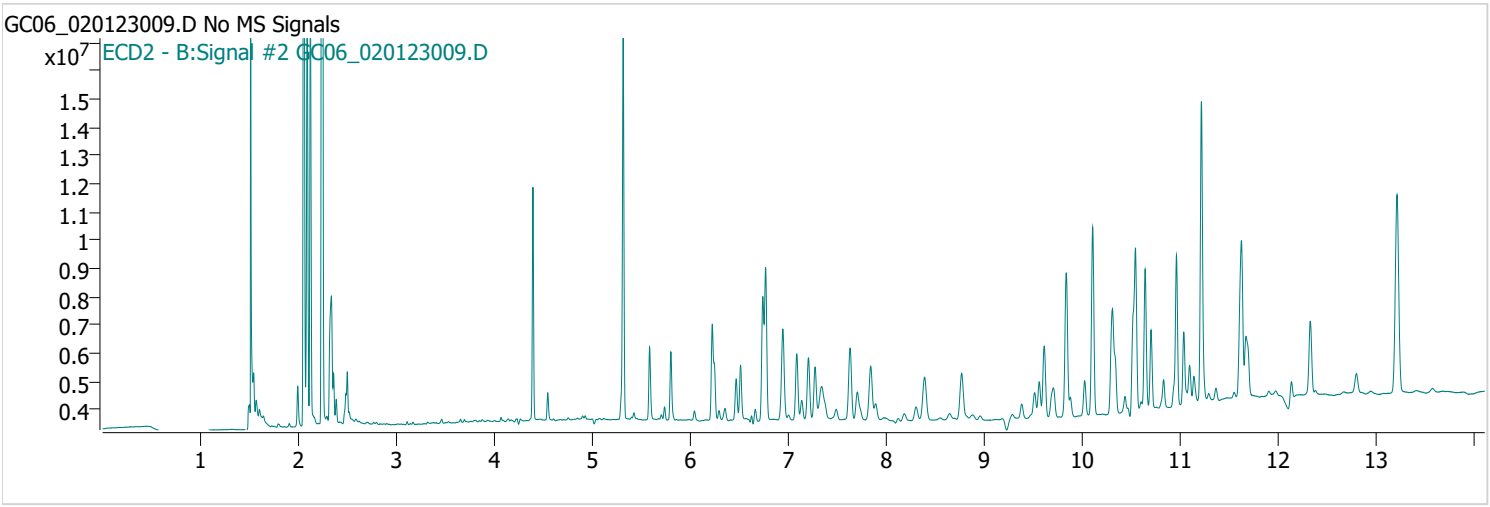
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.2326	13.21	0.00	11636900				



Quantitation Results Report (Not Reviewed)

Data File	GC06_020123009.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 12:27:06 PM
Sample Name	QC1042116, 306459, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



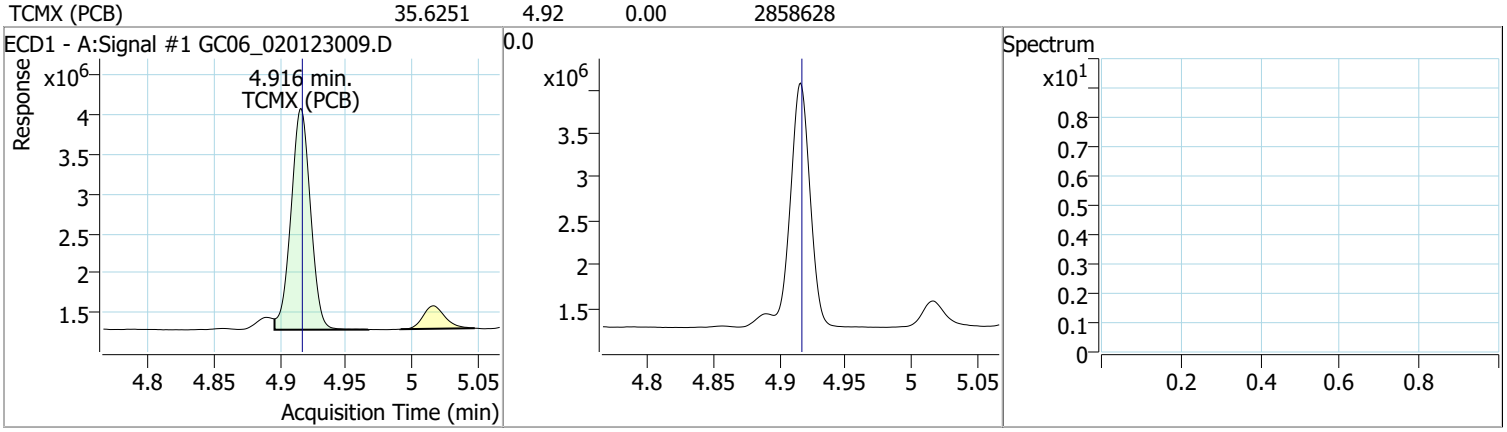


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.147	0.0	1619308.363	20.0000	ng/ml	m	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	7781026.798	20.0000	ng/ml	m	0.000
System Monitoring Compounds							
S TCMX (PCB)	4.916	0.0	2858628.494	35.6251	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.13%		*	
S TCMX (PCB) #2	5.313	0.0	14806352.549	39.3486	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.74%		*	
S Decachlorobiphenyl (PCB)	11.867	0.0	4841013.063	42.9031	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.52%		*	
S Decachlorobiphenyl (PCB) #2	13.212	0.0	17271401.512	40.8903	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.45%		*	
Target Compounds							QValue

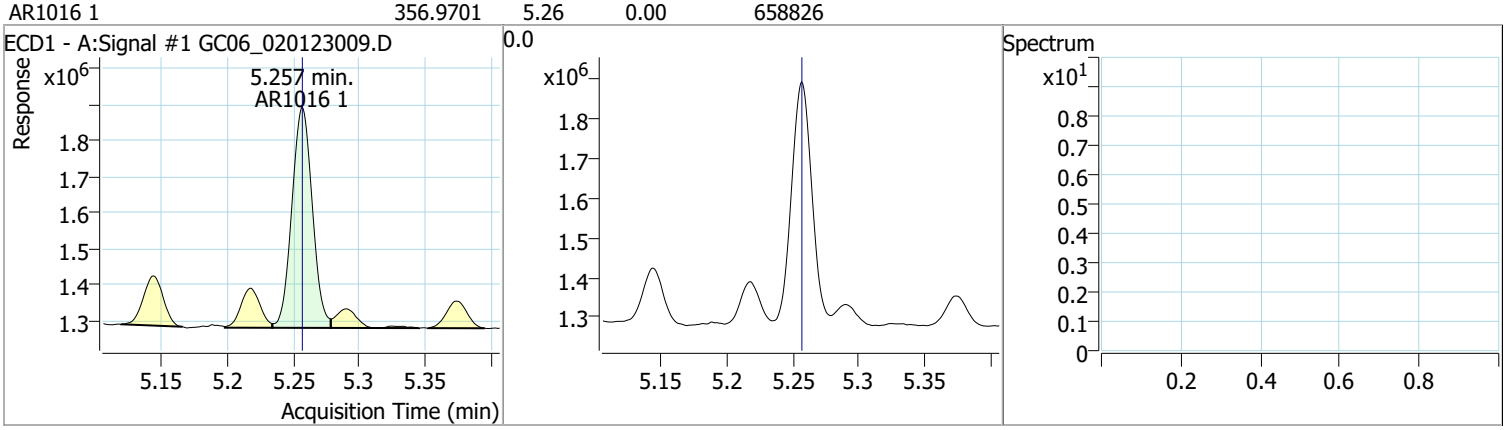
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.257	0.0	658825.800	356.9701	ng/ml		100
T AR1016 2	5.588	0.0	1461233.566	417.4732	ng/ml		100
T AR1016 1 #2	5.800	0.0	3105065.557	361.2595	ng/ml		100
T AR1016 3	6.046	0.0	1794125.957	388.2486	ng/ml		100
T AR1016 4	6.180	0.0	1467495.082	497.8637	ng/ml		100
T AR1016 2 #2	6.223	0.0	4906620.788	395.8629	ng/ml	m	100
T AR1016 5	6.369	0.0	793351.113	409.9383	ng/ml		100
T AR1016 3 #2	6.767	0.0	8786435.251	402.6392	ng/ml		100
T AR1016 4 #2	6.943	0.0	6301632.465	395.7216	ng/ml		100
T AR1016 5 #2	7.629	0.0	5255735.233	411.7554	ng/ml		100
T AR1260 1	8.455	0.0	2464146.331	411.0603	ng/ml		100
T AR1260 2	8.989	0.0	3596292.140	439.4173	ng/ml		100
T AR1260 3	9.451	0.0	3793244.549	407.1193	ng/ml		100
T AR1260 1 #2	9.835	0.0	9756275.840	401.9756	ng/ml		100
T AR1260 4	9.962	0.0	2189466.389	446.3274	ng/ml		100
T AR1260 2 #2	10.105	0.0	11467875.630	455.2648	ng/ml		100
T AR1260 5	10.348	0.0	4680902.097	440.3278	ng/ml		100
T AR1260 3 #2	10.541	0.0	14440731.775	407.7315	ng/ml		100
T AR1260 4 #2	10.960	0.0	8387480.587	430.7884	ng/ml		100
T AR1260 5 #2	11.623	0.0	12575633.347	392.0741	ng/ml		100

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

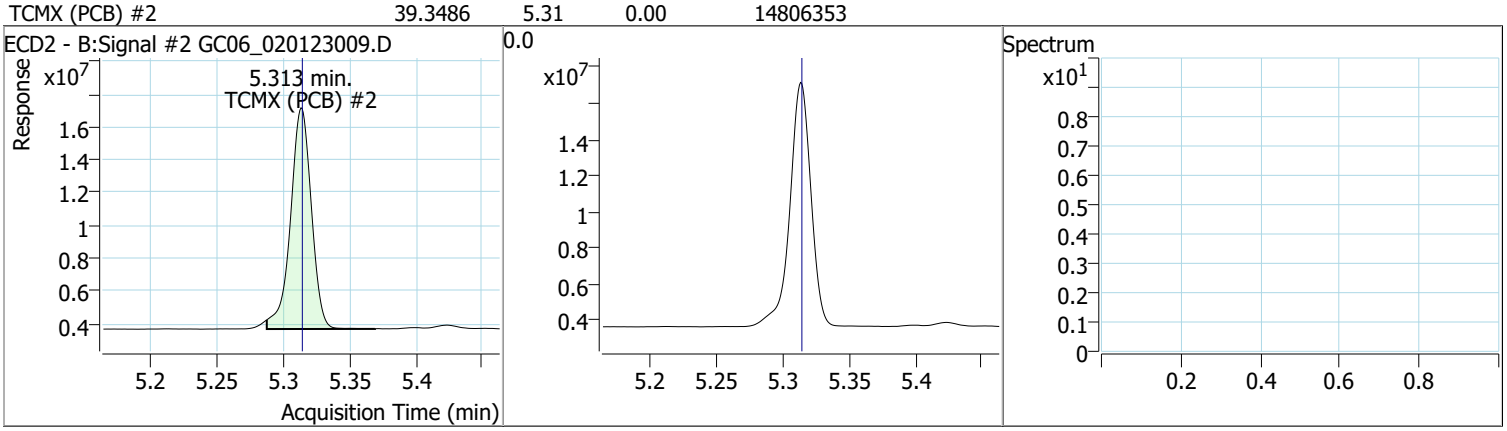
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.6251	4.92	0.00	2858628				



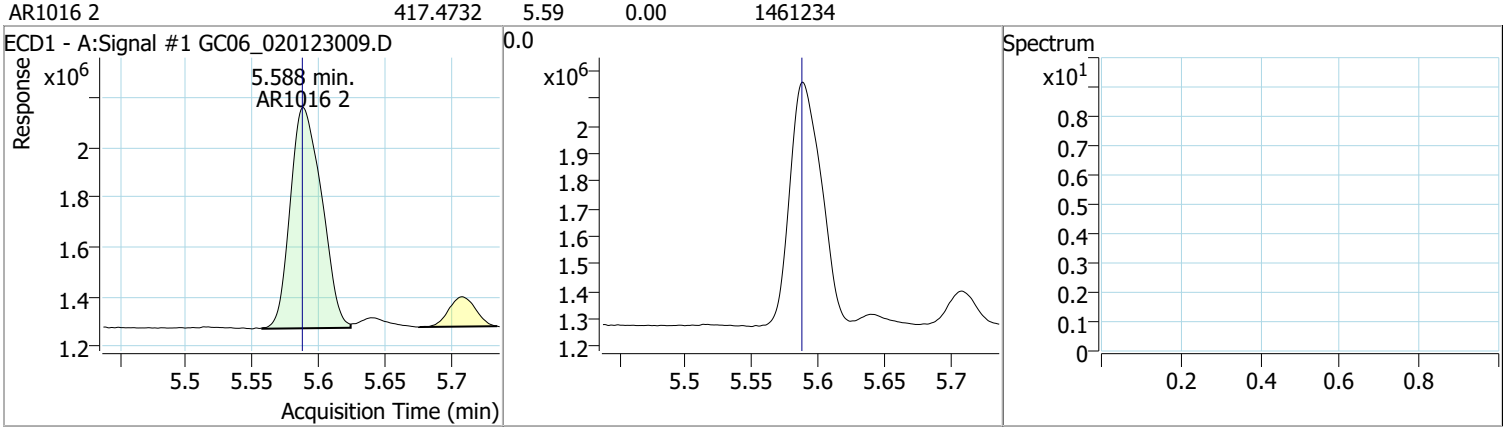
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	356.9701	5.26	0.00	658826				



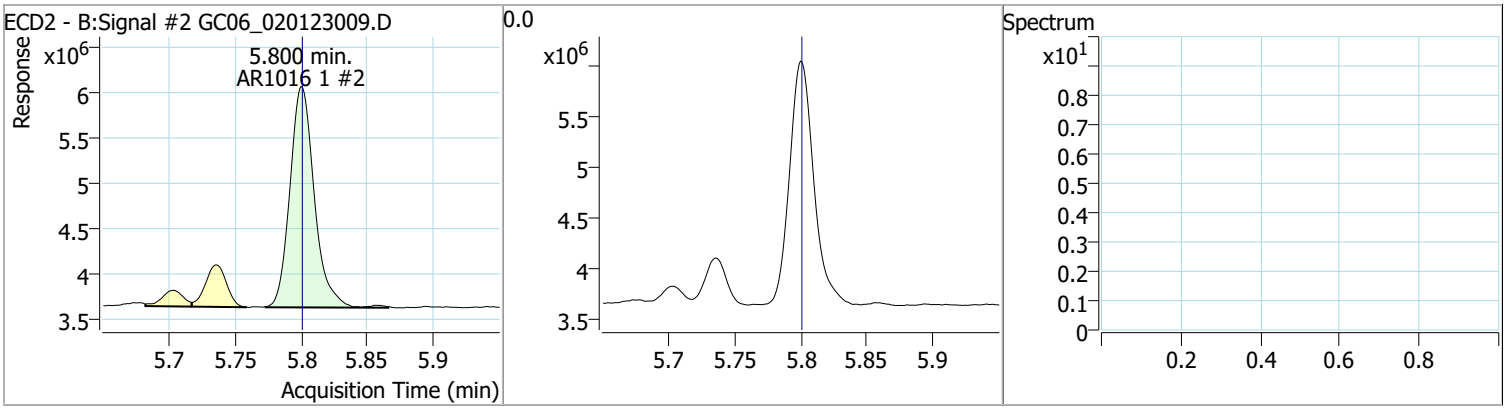
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3486	5.31	0.00	14806353				



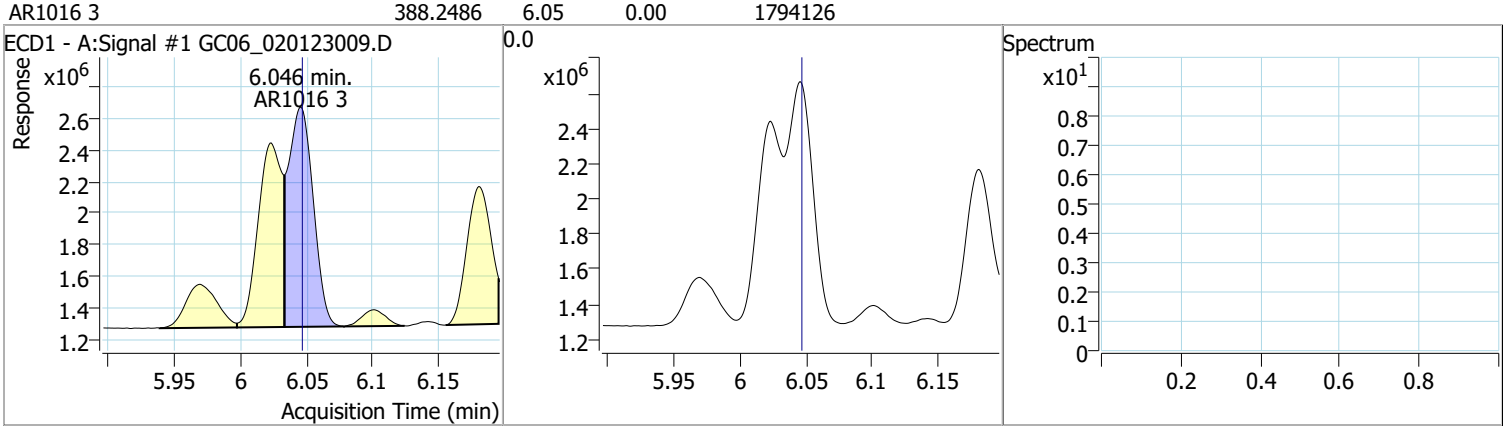
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	417.4732	5.59	0.00	1461234				



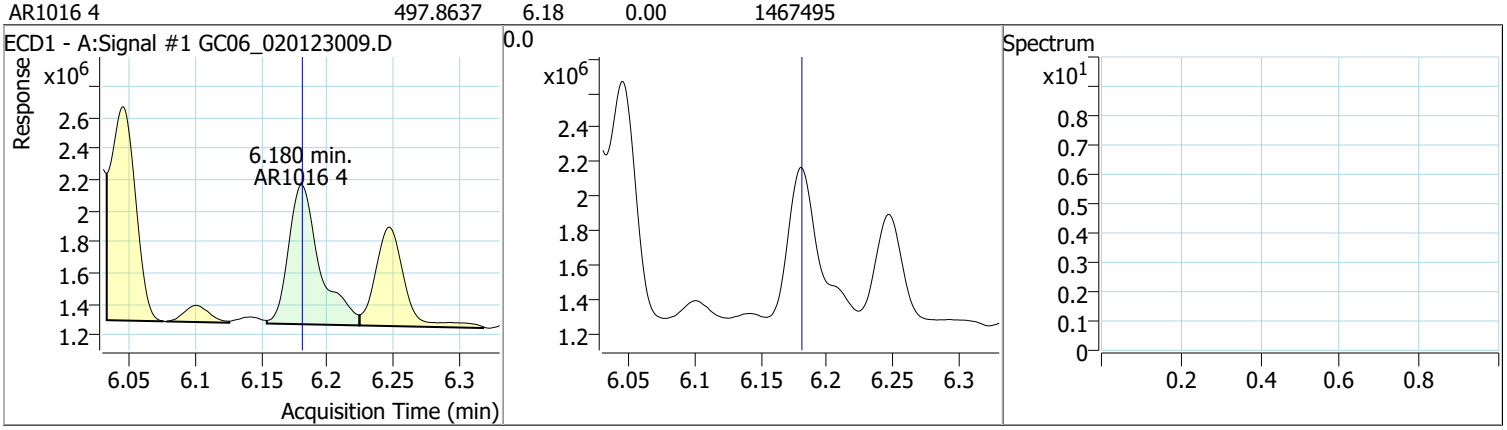
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	361.2595	5.80	0.00	3105066				



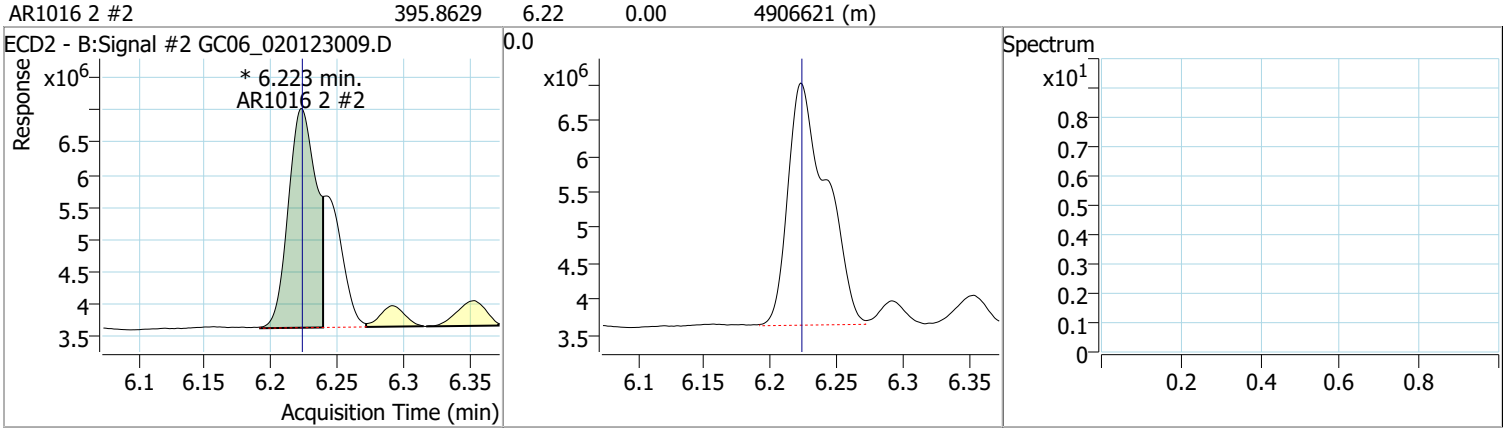
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	388.2486	6.05	0.00	1794126				



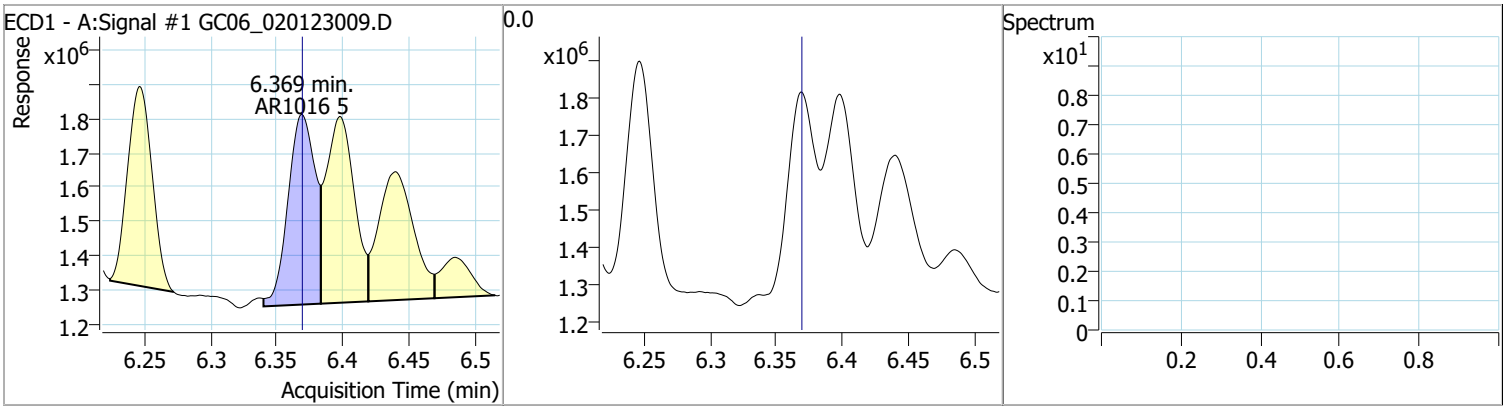
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	497.8637	6.18	0.00	1467495				



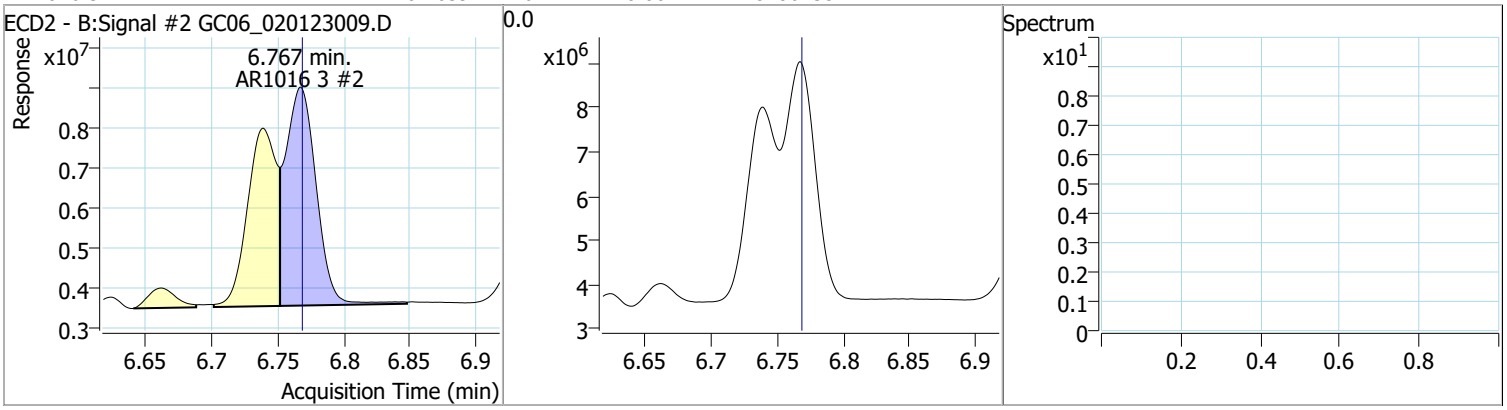
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	395.8629	6.22	0.00	4906621 (m)				



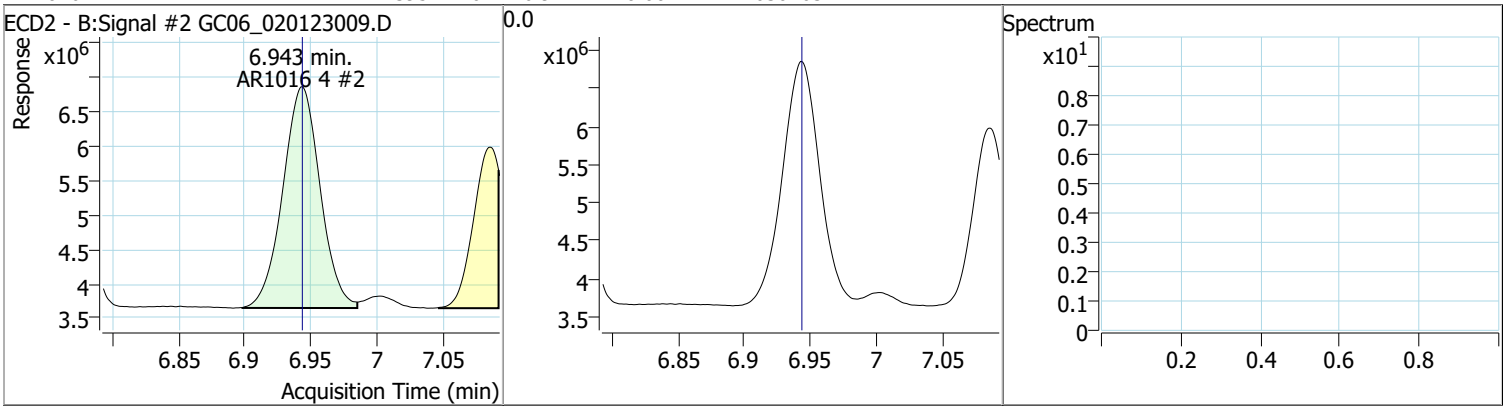
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	409.9383	6.37	0.00	793351				



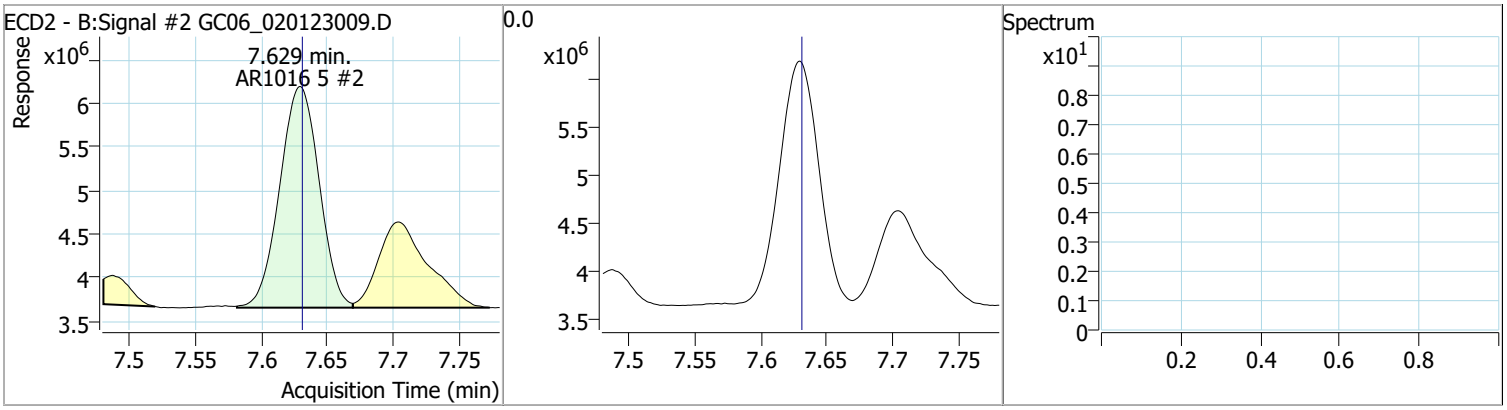
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	402.6392	6.77	0.00	8786435				



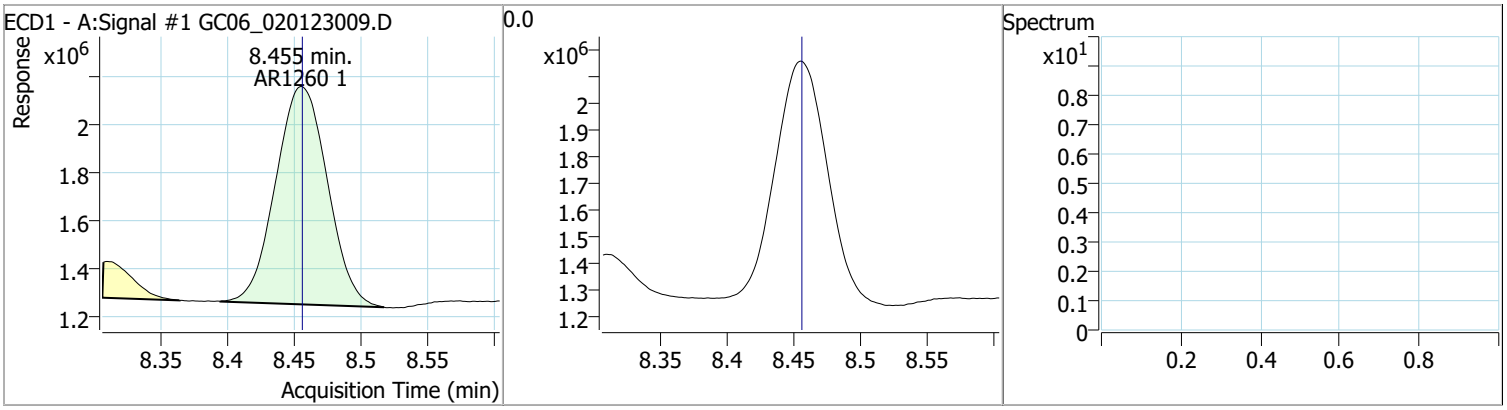
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	395.7216	6.94	0.00	6301632				



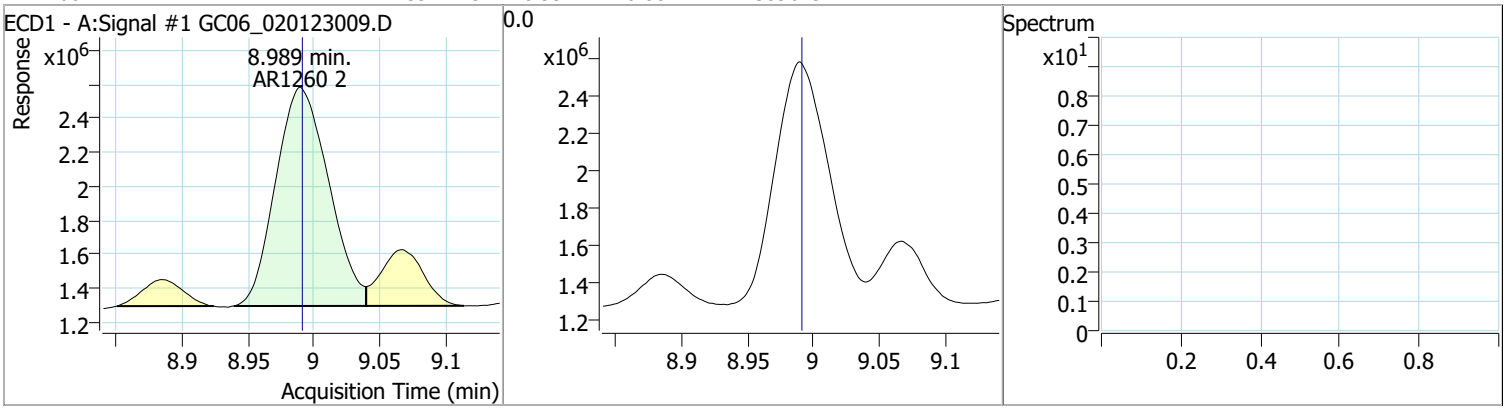
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	411.7554	7.63	0.00	5255735				



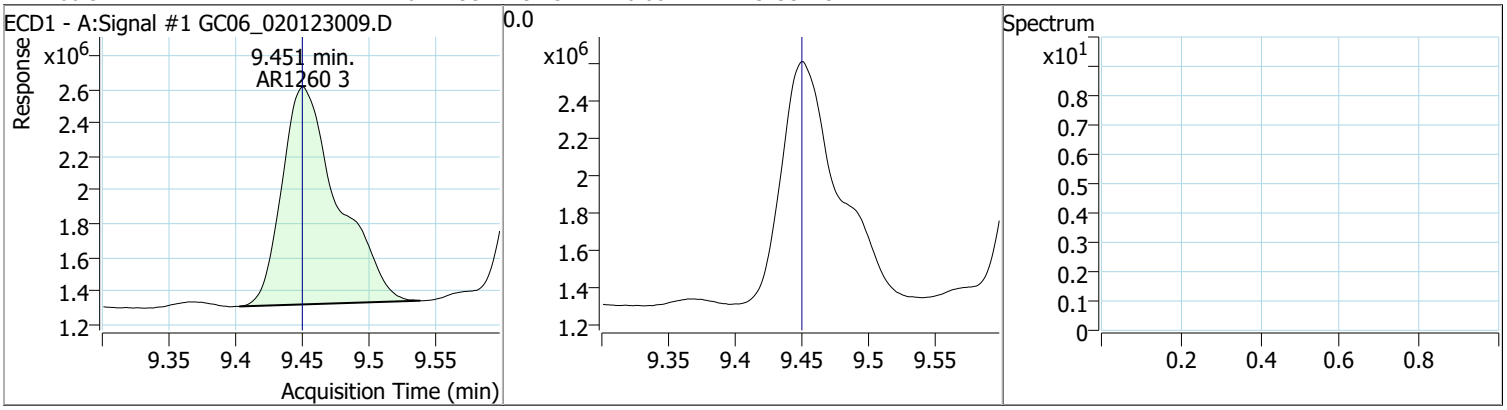
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	411.0603	8.46	0.00	2464146				



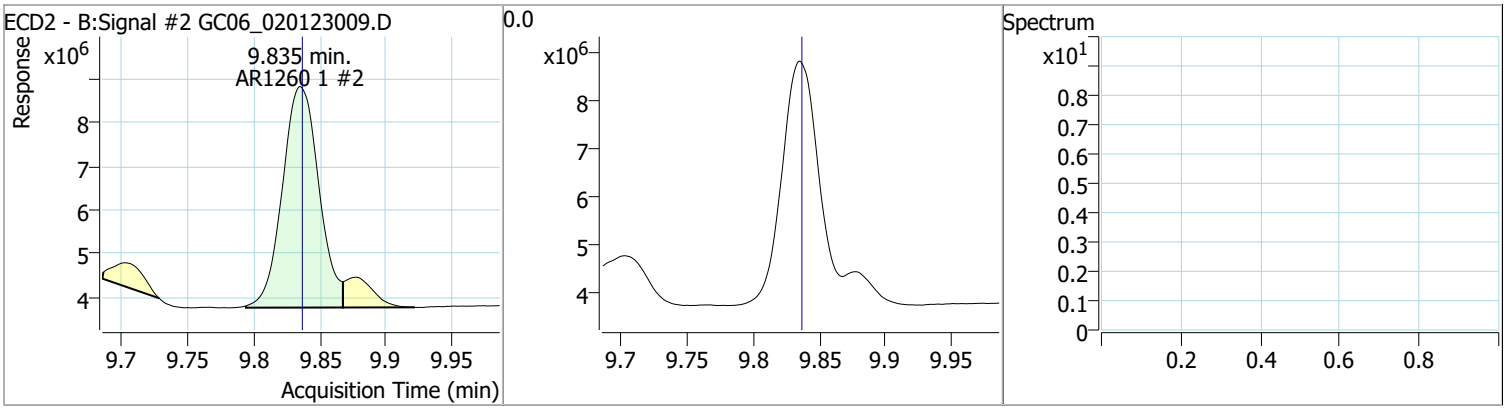
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	439.4173	8.99	0.00	3596292				



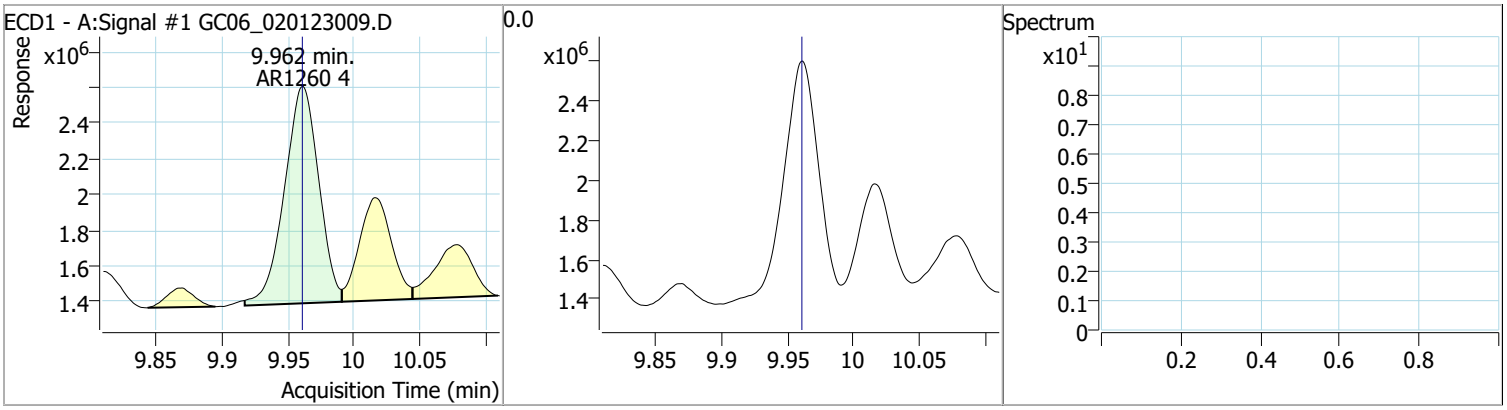
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	407.1193	9.45	0.00	3793245				



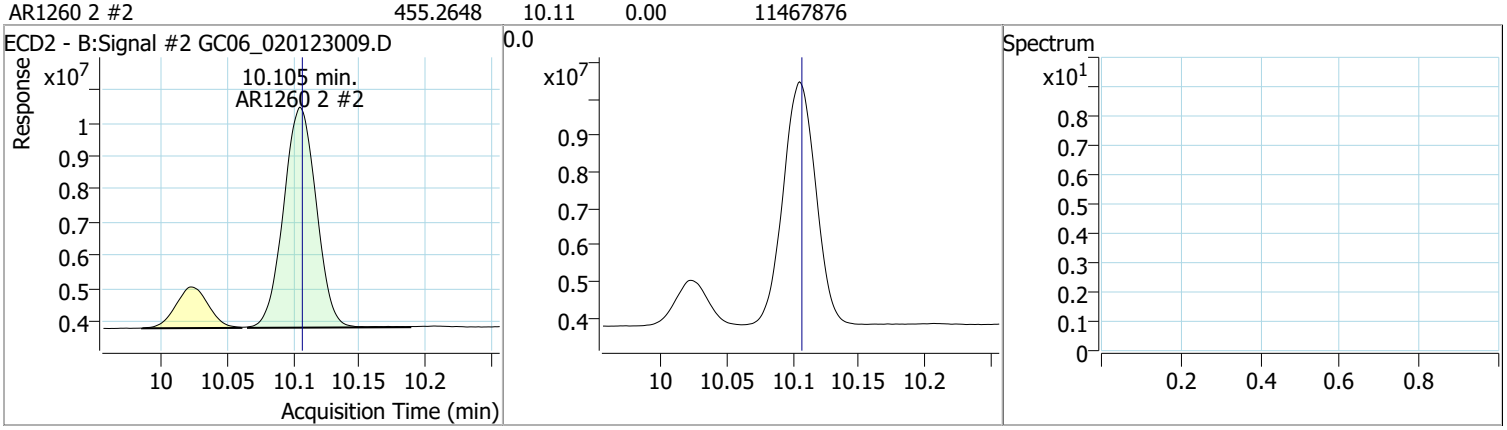
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	401.9756	9.84	0.00	9756276				



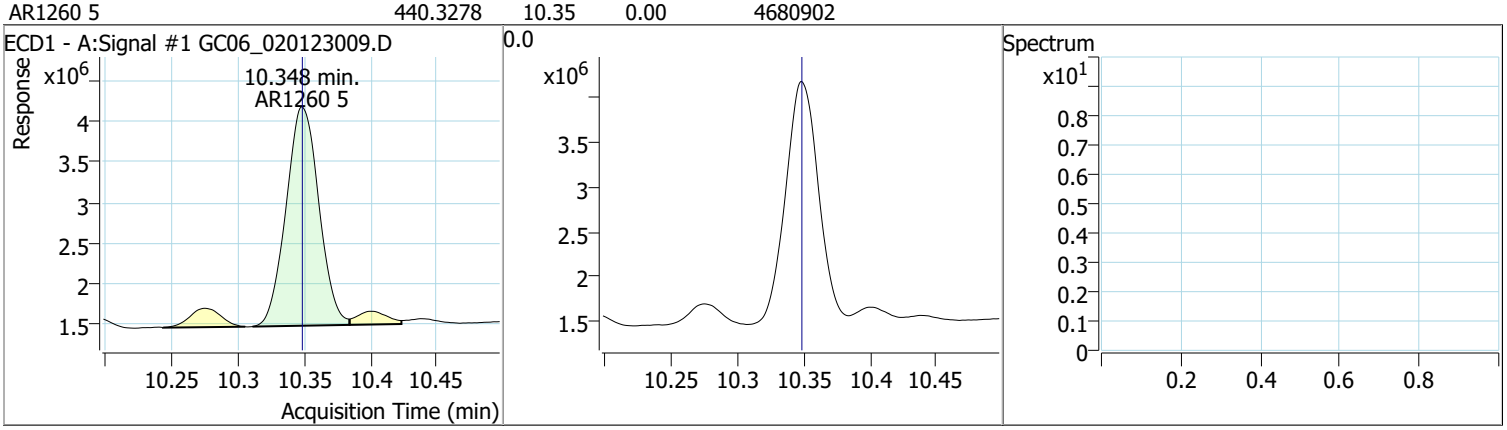
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	446.3274	9.96	0.00	2189466				



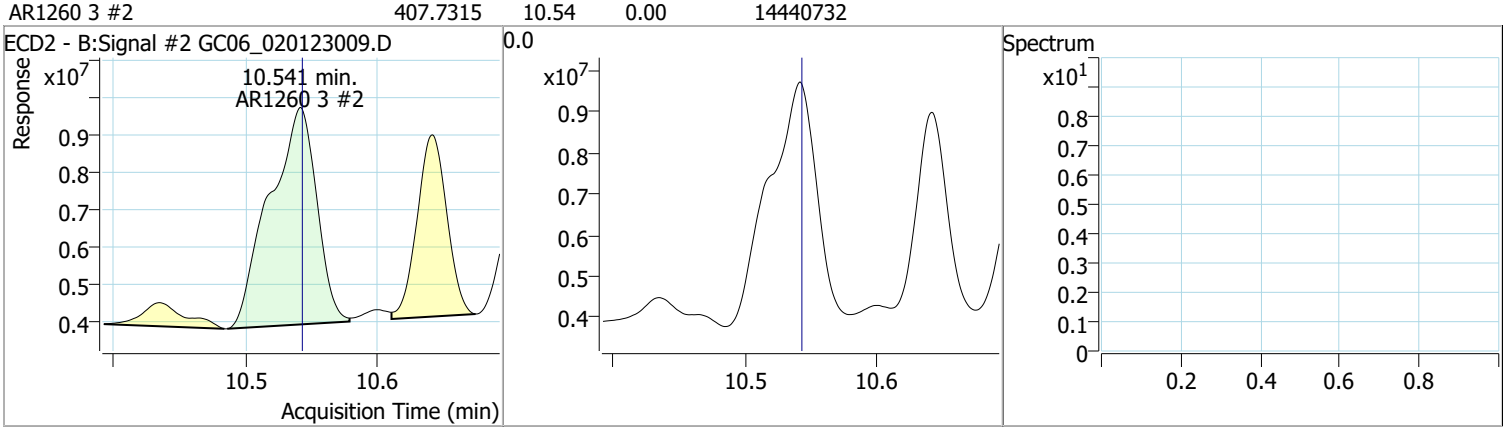
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	455.2648	10.11	0.00	11467876				



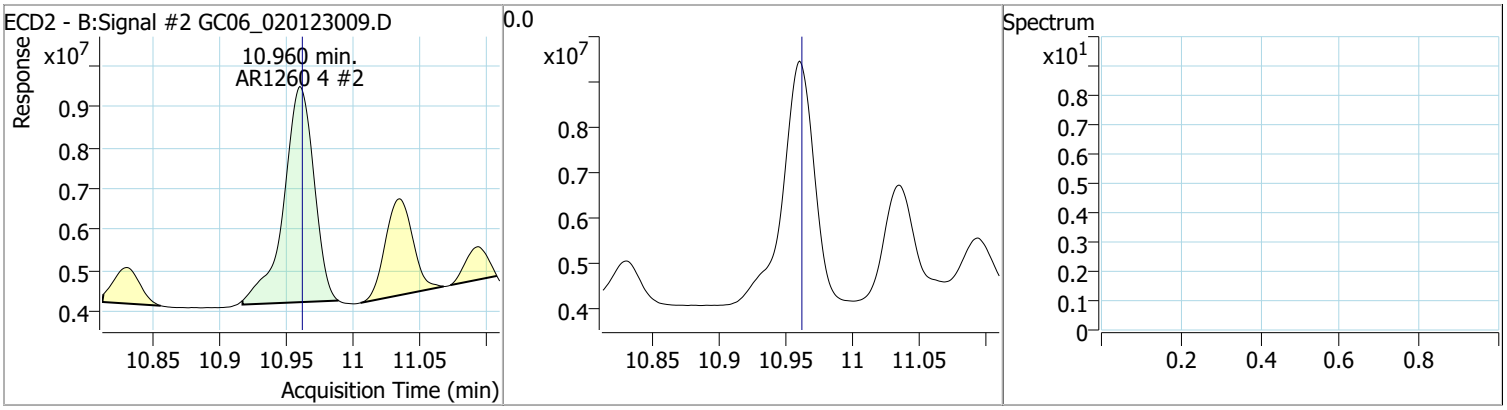
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	440.3278	10.35	0.00	4680902				



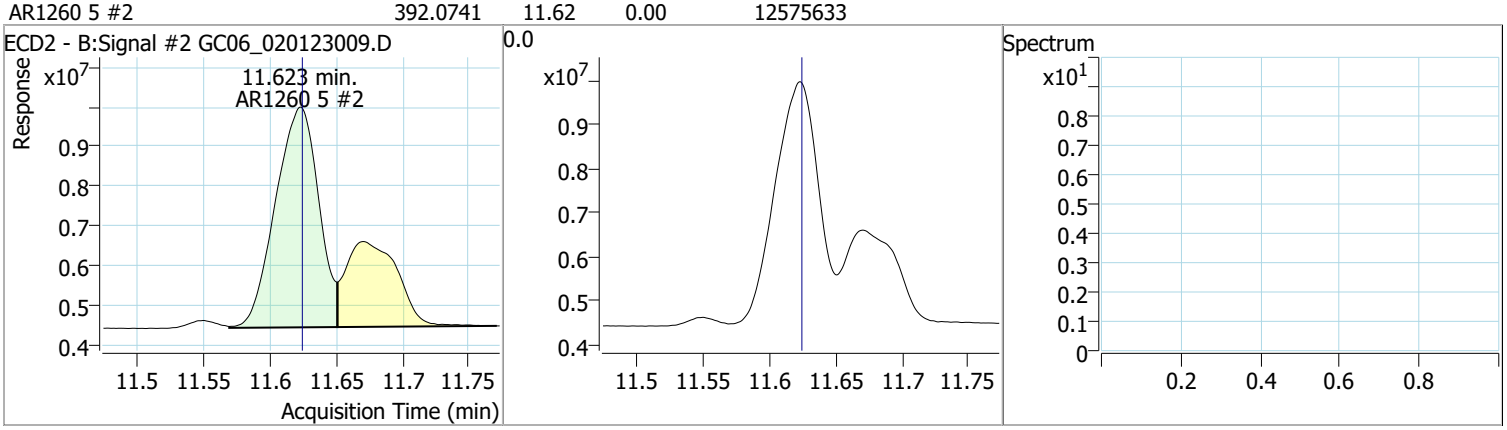
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	407.7315	10.54	0.00	14440732				



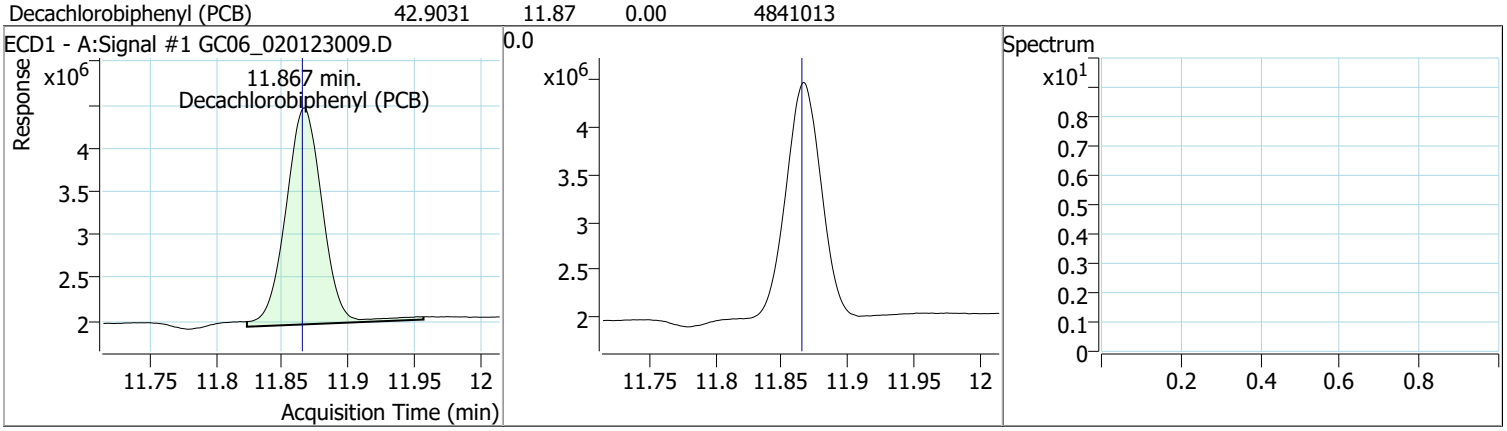
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	430.7884	10.96	0.00	8387481				



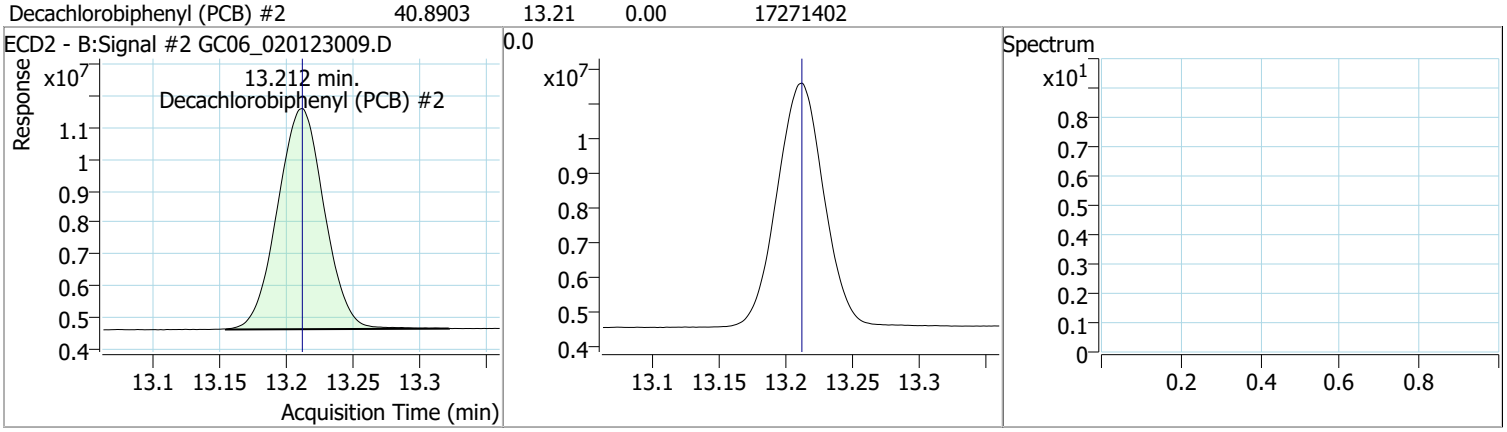
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	392.0741	11.62	0.00	12575633				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.9031	11.87	0.00	4841013				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.8903	13.21	0.00	17271402				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_010423014	453006691014		04-JAN-2023 15:31	S17807
L2	gc06_010423015	453006691015		04-JAN-2023 15:49	S17797
L3	gc06_010423016	453006691016		04-JAN-2023 16:07	S17798
L4	gc06_010423017	453006691017		04-JAN-2023 16:26	S17799
L5	gc06_010423018	453006691018		04-JAN-2023 16:44	S17800
L6	gc06_010423019	453006691019		04-JAN-2023 17:02	S17801
L7	gc06_010423020	453006691020		04-JAN-2023 17:21	S17802
L8	gc06_010423021	453006691021		04-JAN-2023 17:39	S17803
L9	gc06_010423022	453006691022		04-JAN-2023 17:57	S17804
L10	gc06_010423023	453006691023		04-JAN-2023 18:16	S17805

Analyte	Ch	Type	X	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		43.8687		0.0228		20	8	.99	20	
Aroclor-1016 Peak # 2	A	QUAD	A	0.45356	0.04438	-5.35E-6	0.0495	1.000		9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	R		17.5207		0.0571		18	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		27.4681		0.0364		16	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		41.8358		0.0239		13	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		13.5062		0.0740		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		9.89275		0.1011		17	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		8.68970		0.1151		19	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		16.5048		0.0606		10	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		7.61626		0.1313		15	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.71754		1.3936		16	8	.99	20	
TCMX (PCB)	A	AVRG	R		1.00901		0.9911		18	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		45.2637		0.0221		20	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		31.3881		0.0319		18	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		17.8281		0.0561		18	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.4309		0.0409		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.4795		0.0328		16	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		16.0294		0.0624		19	8	.99	20	
Aroclor-1260 Peak # 2	B	QUAD	A	0.93788	0.06605	-7.38E-6	0.0755	0.998		9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		10.9847		0.0910		18	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		19.9818		0.0500		13	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1294		0.0824		18	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.92107		1.0857		20	10	.99	20	
TCMX (PCB)	B	AVRG	R		1.03391		0.9672		13	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	0.0327	0.0254	0.0226	0.0214	0.0218	0.0205	0.0191	0.0187		
Aroclor-1016 Peak # 2	A	0.0881	0.0530	0.0492	0.0471	0.0480	0.0436	0.0402	0.0392	0.0368	
Aroclor-1016 Peak # 3	A	0.0777	0.0683	0.0611	0.0562	0.0598	0.0538	0.0508	0.0498	0.0454	0.0478
Aroclor-1016 Peak # 4	A	0.0490	0.0412	0.0403	0.0365	0.0374	0.0359	0.0316	0.0312	0.0300	0.0310
Aroclor-1016 Peak # 5	A	0.0301	0.0252	0.0262	0.0245	0.0255	0.0234	0.0216	0.0215	0.0201	0.0209
Aroclor-1260 Peak # 1	A	0.1011	0.0818	0.0781	0.0702	0.0750	0.0653	0.0594	0.0614		
Aroclor-1260 Peak # 2	A	0.1328	0.1147	0.1136	0.1049	0.1119	0.0965	0.0858	0.0894	0.0791	0.0822
Aroclor-1260 Peak # 3	A	0.1601	0.1276	0.1196	0.1008	0.1177	0.1032	0.0930	0.0986		
Aroclor-1260 Peak # 4	A	0.0677	0.0613	0.0653	0.0620	0.0703	0.0616	0.0548	0.0589	0.0508	0.0532
Aroclor-1260 Peak # 5	A	0.1723	0.1336	0.1463	0.1354	0.1448	0.1257	0.1103	0.1197	0.1087	0.1162
Decachlorobiphenyl (PCB)	A	1.8118	1.4660	1.5680	1.3606	1.3223	1.3070	1.0922	1.2212		
TCMX (PCB)	A	1.4485	1.0967	1.0013	0.9898	0.9268	0.9238	0.8443	0.8759	0.8690	0.9346
Aroclor-1016 Peak # 1	B	0.0312	0.0256	0.0244	0.0220	0.0218	0.0199	0.0186	0.0182	0.0171	
Aroclor-1016 Peak # 2	B	0.0438	0.0362	0.0360	0.0338	0.0328	0.0295	0.0281	0.0270	0.0250	0.0264
Aroclor-1016 Peak # 3	B	0.0786	0.0634	0.0605	0.0580	0.0568	0.0517	0.0480	0.0486	0.0462	0.0491
Aroclor-1016 Peak # 4	B	0.0542	0.0465	0.0461	0.0420	0.0420	0.0385	0.0357	0.0360	0.0332	0.0351
Aroclor-1016 Peak # 5	B	0.0454	0.0345	0.0358	0.0335	0.0339	0.0312	0.0287	0.0292	0.0271	0.0287
Aroclor-1260 Peak # 1	B	0.0864	0.0684	0.0661	0.0612	0.0622	0.0548	0.0489	0.0511		
Aroclor-1260 Peak # 2	B	0.1195	0.0863	0.0842	0.0744	0.0750	0.0654	0.0580	0.0612	0.0555	
Aroclor-1260 Peak # 3	B	0.1217	0.1081	0.1032	0.0924	0.0959	0.0839	0.0765	0.0826	0.0708	0.0752
Aroclor-1260 Peak # 4	B	0.0645	0.0519	0.0542	0.0477	0.0547	0.0485	0.0431	0.0469	0.0434	0.0456
Aroclor-1260 Peak # 5	B	0.1142	0.0954	0.0910	0.0788	0.0866	0.0771	0.0704	0.0777	0.0644	0.0688
Decachlorobiphenyl (PCB)	B	1.5458	1.2779	1.2380	1.0695	1.0414	1.0502	0.8706	0.9855	0.8589	0.9192
TCMX (PCB)	B	1.2479	1.0977	0.9996	0.9492	0.8959	0.9174	0.8473	0.8893	0.8747	0.9531

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

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	**44**	20.000	12	50.000	-1	100.00	-6	250.00	-4	500.00	-10	749.91	-16	1000.0	-18
Aroclor-1016 Peak # 2	A	10.000	-4	20.000	**-32**	50.000	-9	100.00	-3	250.00	8	500.00	3	749.91	-2	1000.0	-1
Aroclor-1016 Peak # 3	A	10.000	**36**	20.000	20	50.000	7	100.00	-1	250.00	5	500.00	-6	749.91	-11	1000.0	-13
Aroclor-1016 Peak # 4	A	10.000	**35**	20.000	13	50.000	11	100.00	0	250.00	3	500.00	-1	749.91	-13	1000.0	-14
Aroclor-1016 Peak # 5	A	10.000	**26**	20.000	5	50.000	9	100.00	3	250.00	7	500.00	-2	749.91	-9	1000.0	-10
Aroclor-1260 Peak # 1	A	10.000	**37**	20.000	10	50.000	5	100.00	-5	250.00	1	500.00	-12	749.91	-20	1000.0	-17
Aroclor-1260 Peak # 2	A	10.000	**31**	20.000	13	50.000	12	100.00	4	250.00	11	500.00	-5	749.91	-15	1000.0	-12
Aroclor-1260 Peak # 3	A	10.000	**39**	20.000	11	50.000	4	100.00	-12	250.00	2	500.00	-10	749.91	-19	1000.0	-14
Aroclor-1260 Peak # 4	A	10.000	12	20.000	1	50.000	8	100.00	2	250.00	16	500.00	2	749.91	-10	1000.0	-3
Aroclor-1260 Peak # 5	A	10.000	**31**	20.000	2	50.000	11	100.00	3	250.00	10	500.00	-4	749.91	-16	1000.0	-9
Decachlorobiphenyl (PCB)	A	0.8000	**30**	1.6000	5	4.0000	13	8.0000	-2	20.000	-5	40.000	-6	59.993	**-22**	80.000	-12
TCMX (PCB)	A	0.8000	**46**	1.6000	11	4.0000	1	8.0000	0	20.000	-6	40.000	-7	59.993	-15	80.000	-12
Aroclor-1016 Peak # 1	B	10.000	**41**	20.000	16	50.000	10	100.00	0	250.00	-1	500.00	-10	749.91	-16	1000.0	-17
Aroclor-1016 Peak # 2	B	10.000	**38**	20.000	14	50.000	13	100.00	6	250.00	3	500.00	-8	749.91	-12	1000.0	-15
Aroclor-1016 Peak # 3	B	10.000	**40**	20.000	13	50.000	8	100.00	3	250.00	1	500.00	-8	749.91	-14	1000.0	-13
Aroclor-1016 Peak # 4	B	10.000	**32**	20.000	14	50.000	13	100.00	3	250.00	3	500.00	-6	749.91	-13	1000.0	-12
Aroclor-1016 Peak # 5	B	10.000	**38**	20.000	5	50.000	9	100.00	2	250.00	3	500.00	-5	749.91	-12	1000.0	-11
Aroclor-1260 Peak # 1	B	10.000	**39**	20.000	10	50.000	6	100.00	-2	250.00	0	500.00	-12	749.91	**-22**	1000.0	-18
Aroclor-1260 Peak # 2	B	10.000	**-61**	20.000	**-40**	50.000	0	100.00	0	250.00	11	500.00	2	749.91	-7	1000.0	3
Aroclor-1260 Peak # 3	B	10.000	**34**	20.000	19	50.000	13	100.00	1	250.00	5	500.00	-8	749.91	-16	1000.0	-9
Aroclor-1260 Peak # 4	B	10.000	**29**	20.000	4	50.000	8	100.00	-5	250.00	9	500.00	-3	749.91	-14	1000.0	-6
Aroclor-1260 Peak # 5	B	10.000	**38**	20.000	16	50.000	10	100.00	-4	250.00	5	500.00	-6	749.91	-15	1000.0	-6
Decachlorobiphenyl (PCB)	B	0.8000	**42**	1.6000	18	4.0000	14	8.0000	-1	20.000	-4	40.000	-3	59.993	-20	80.000	-9
TCMX (PCB)	B	0.8000	**29**	1.6000	13	4.0000	3	8.0000	-2	20.000	-7	40.000	-5	59.993	-12	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 478371 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_010423_1
Calibration #:	453006691001	Date:	04-JAN-2023 15:31
Units:	ug/L		

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A				
Aroclor-1016 Peak # 2	A	1500.0	0		
Aroclor-1016 Peak # 3	A	1500.0	-20	2000.0	-16
Aroclor-1016 Peak # 4	A	1500.0	-18	2000.0	-15
Aroclor-1016 Peak # 5	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 1	A				
Aroclor-1260 Peak # 2	A	1500.0	**-22**	2000.0	-19
Aroclor-1260 Peak # 3	A				
Aroclor-1260 Peak # 4	A	1500.0	-16	2000.0	-12
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-11
Decachlorobiphenyl (PCB)	A				
TCMX (PCB)	A	120.00	-12	160.00	-6
Aroclor-1016 Peak # 1	B	1500.0	**-23**		
Aroclor-1016 Peak # 2	B	1500.0	**-22**	2000.0	-17
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-14
Aroclor-1016 Peak # 5	B	1500.0	-17	2000.0	-13
Aroclor-1260 Peak # 1	B				
Aroclor-1260 Peak # 2	B	1500.0	0		
Aroclor-1260 Peak # 3	B	1500.0	**-22**	2000.0	-17
Aroclor-1260 Peak # 4	B	1500.0	-13	2000.0	-9
Aroclor-1260 Peak # 5	B	1500.0	**-22**	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	**-21**	160.00	-15
TCMX (PCB)	B	120.00	-10	160.00	-1

TRN 01/05/23 : Manually integrated for coeluting, automatically draw baseline due to software limitation, and negative/positive baseline on both channels and multiple levels

Analyst: TRN 01/05/23

Reviewer: LW 01/06/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478371 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_010423_1
Calnum:	453006691001	Cal Date:	04-JAN-2023

- ICV 453006691025 (gc06_010423025 04-JAN-2023) stds: S17806

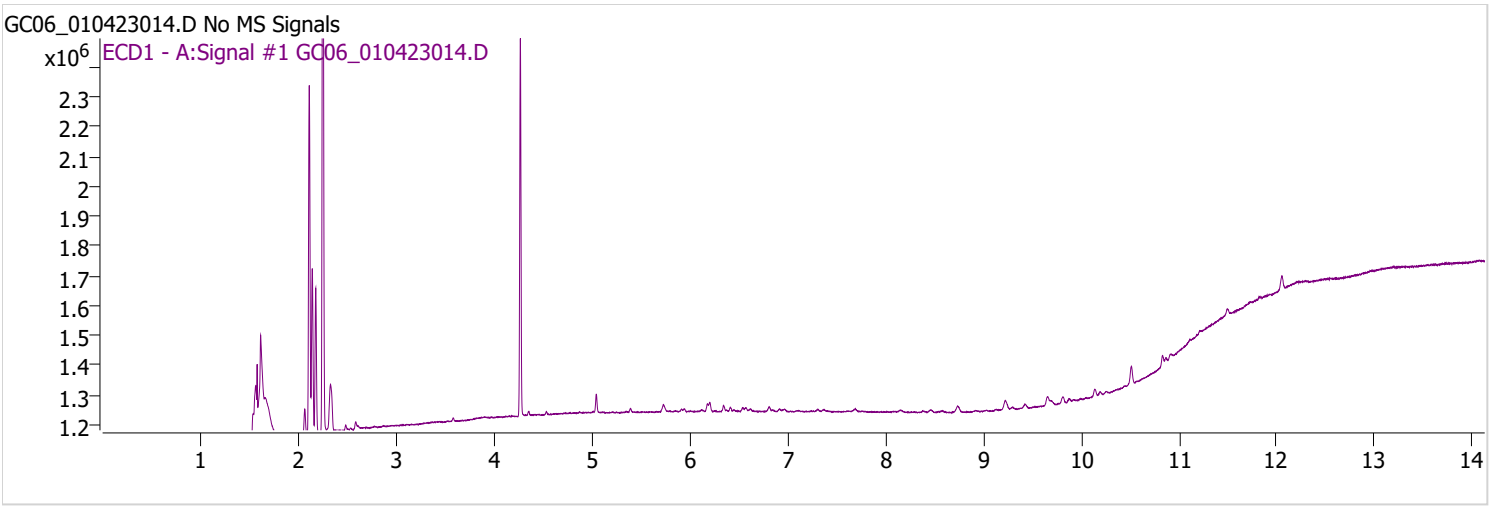
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	524.9	ug/L	5	15	
Aroclor-1260	A	500.0	484.4	ug/L	-3	15	
Aroclor-1016	B	500.0	508.8	ug/L	2	15	
Aroclor-1260	B	500.0	494.9	ug/L	-1	15	

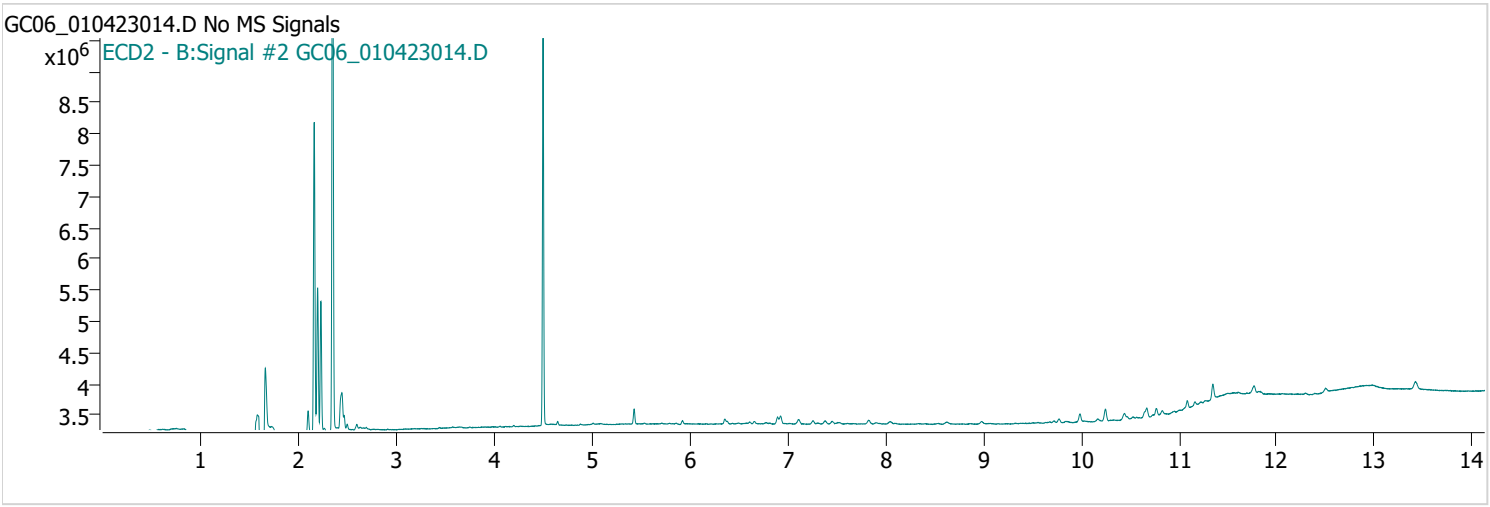
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Analyst: TRN 01/05/23 **Reviewer:** LW 01/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_010423014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 3:31:21 PM
Sample Name	ICAL, S17807	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



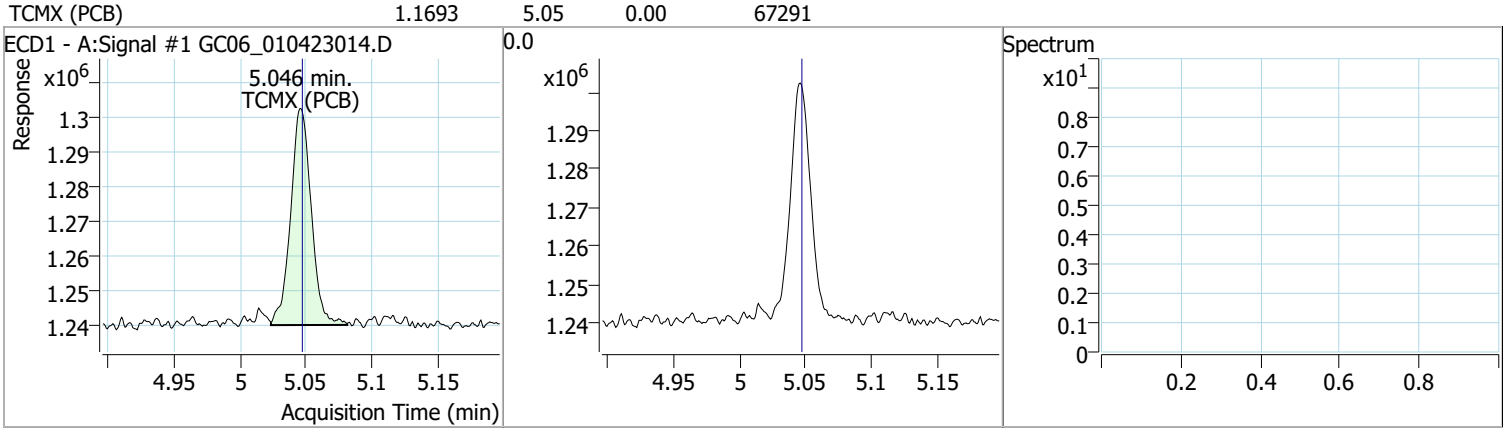


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1161377.133	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5390761.536	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	67290.742	1.1693	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.85%		*	
S TCMX (PCB) #2	5.433	0.0	269076.128	1.0181	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.09%		*	
S Decachlorobiphenyl (PCB)	12.051	0.0	84166.477	1.0400	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.20%		*	
S Decachlorobiphenyl (PCB) #2	13.417	0.0	333329.661	1.1391	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.70%		*	
Target Compounds							**QValue**
T AR1016 1	5.397	0.0	19003.368	14.3565	ng/ml	m	100
T AR1016 2	5.732	0.0	51153.015	9.6347	ng/ml		100
T AR1016 1 #2	5.928	0.0	84022.840	14.1102	ng/ml		100

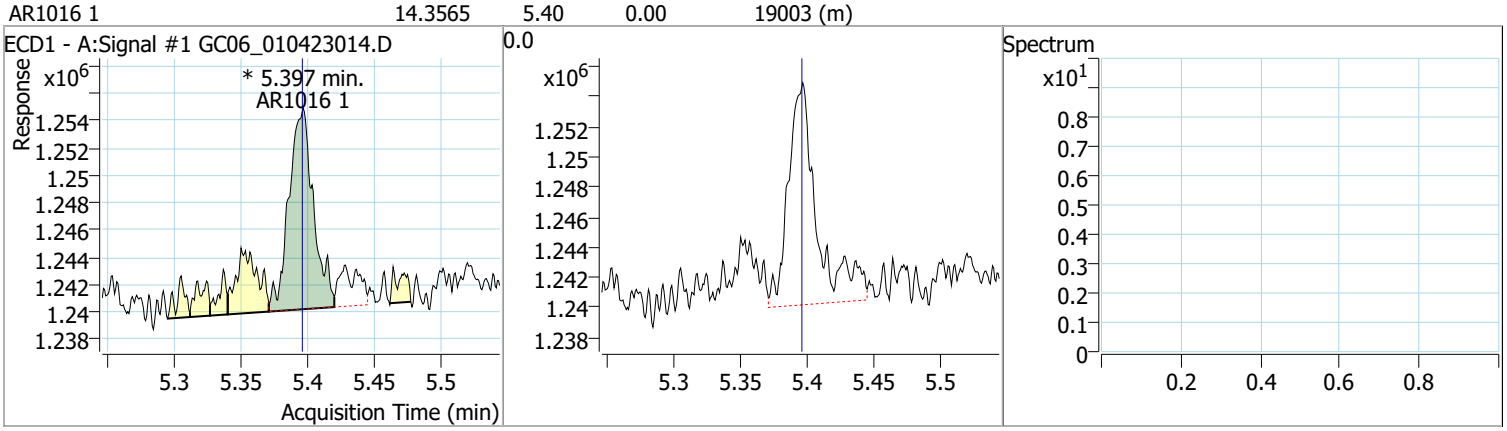
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.207	0.0	45125.214	13.6155	ng/ml		100
T AR1016 4	6.345	0.0	28450.410	13.4579	ng/ml		100
T AR1016 2 #2	6.359	0.0	118131.623	13.7567	ng/ml	m	100
T AR1016 5	6.544	0.0	17450.873	12.5726	ng/ml		100
T AR1016 3 #2	6.929	0.0	211871.543	14.0140	ng/ml	m	100
T AR1016 4 #2	7.113	0.0	146054.866	13.2385	ng/ml		100
T AR1016 5 #2	7.828	0.0	122438.120	13.8455	ng/ml		100
T AR1260 1	8.737	0.0	58725.092	13.6590	ng/ml		100
T AR1260 2	9.225	0.0	77093.101	12.8667	ng/ml		100
T AR1260 3	9.658	0.0	92948.116	13.9094	ng/ml		100
T AR1260 1 #2	9.988	0.0	232980.922	13.8555	ng/ml	m	100
T AR1260 4	10.140	0.0	39315.564	11.1747	ng/ml		100
T AR1260 2 #2	10.248	0.0	322219.665	3.8949	ng/ml		100
T AR1260 5	10.514	0.0	100081.544	13.1267	ng/ml		100
T AR1260 3 #2	10.671	0.0	328110.897	13.3719	ng/ml		100
T AR1260 4 #2	11.084	0.0	173962.519	12.8966	ng/ml		100
T AR1260 5 #2	11.769	0.0	307711.347	13.8474	ng/ml		100

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

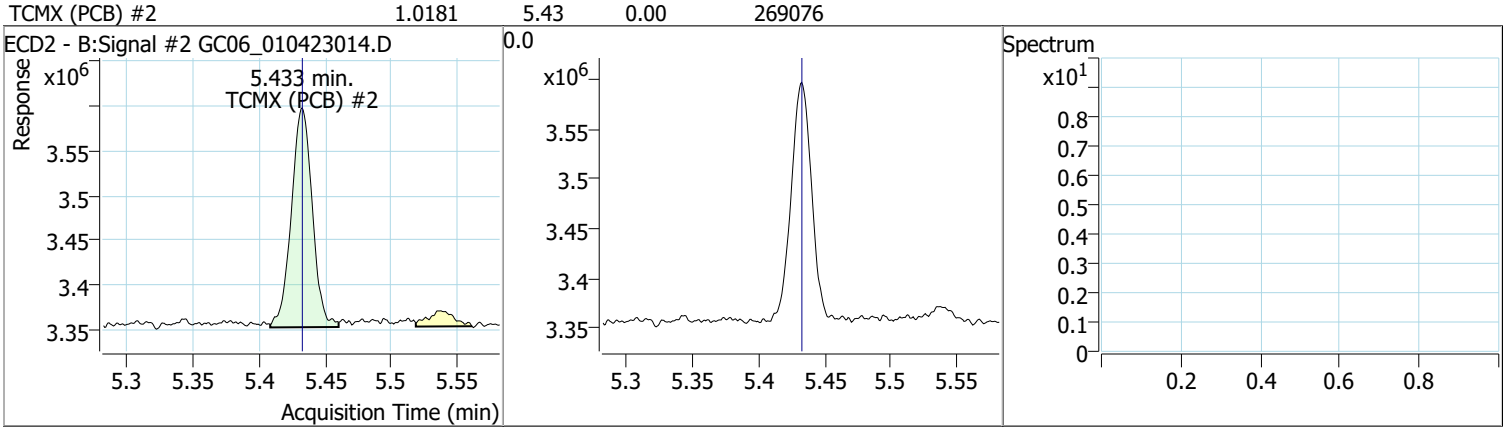
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.1693	5.05	0.00	67291				



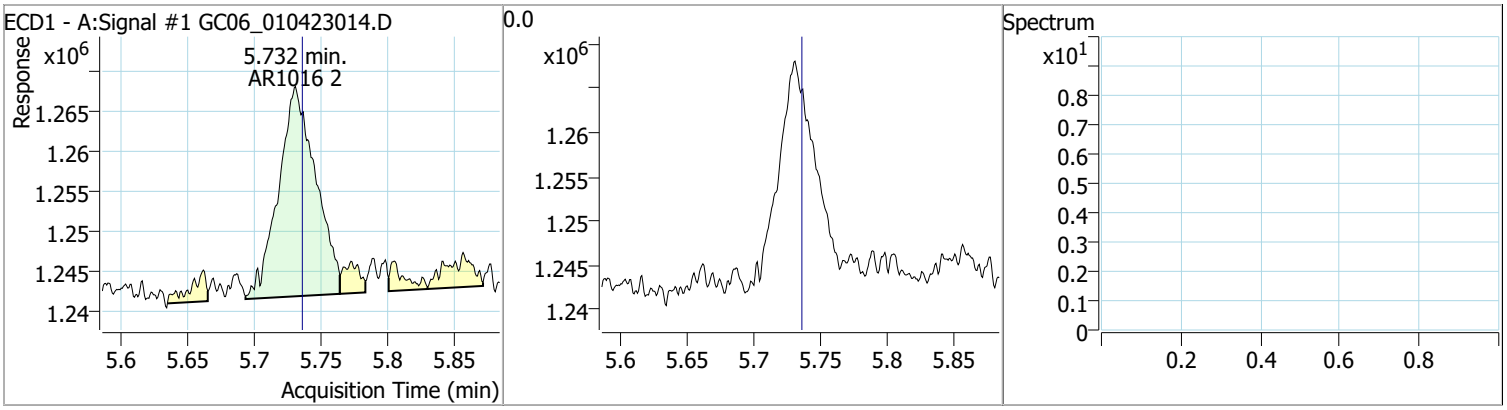
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	14.3565	5.40	0.00	19003 (m)				



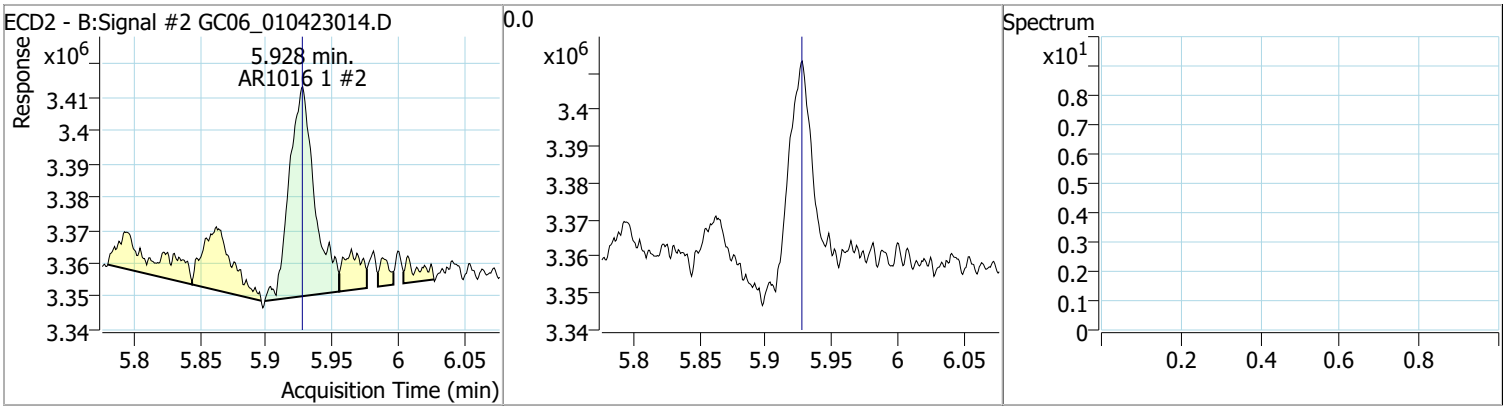
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0181	5.43	0.00	269076				



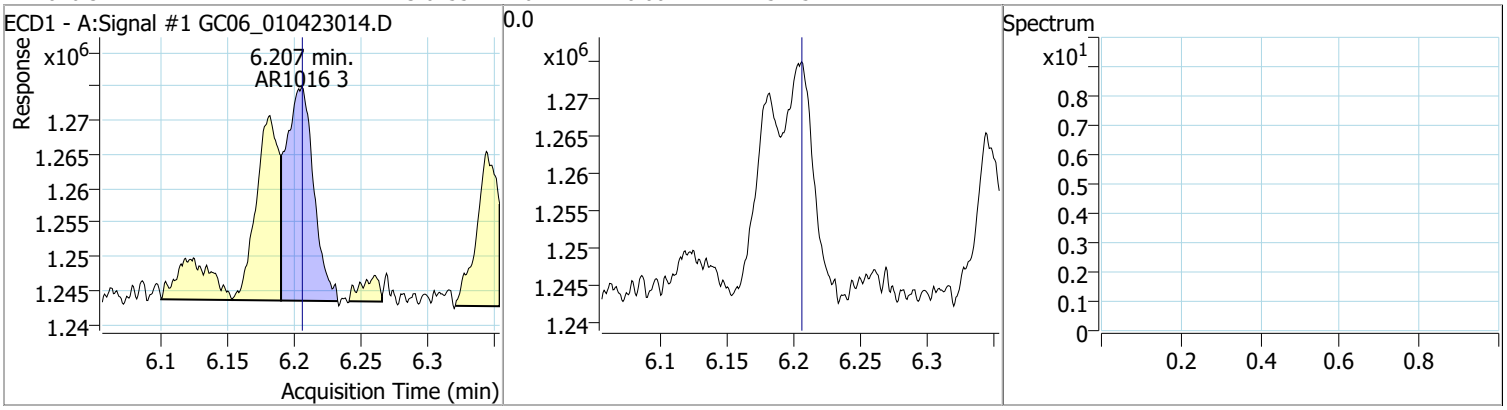
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	9.6347	5.73	0.00	51153				



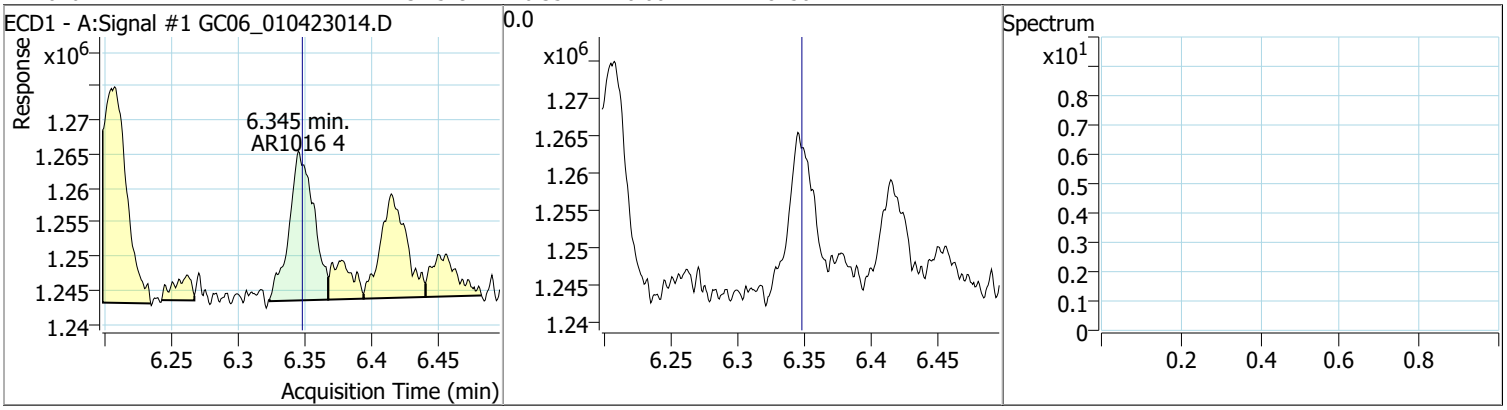
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.1102	5.93	0.00	84023				



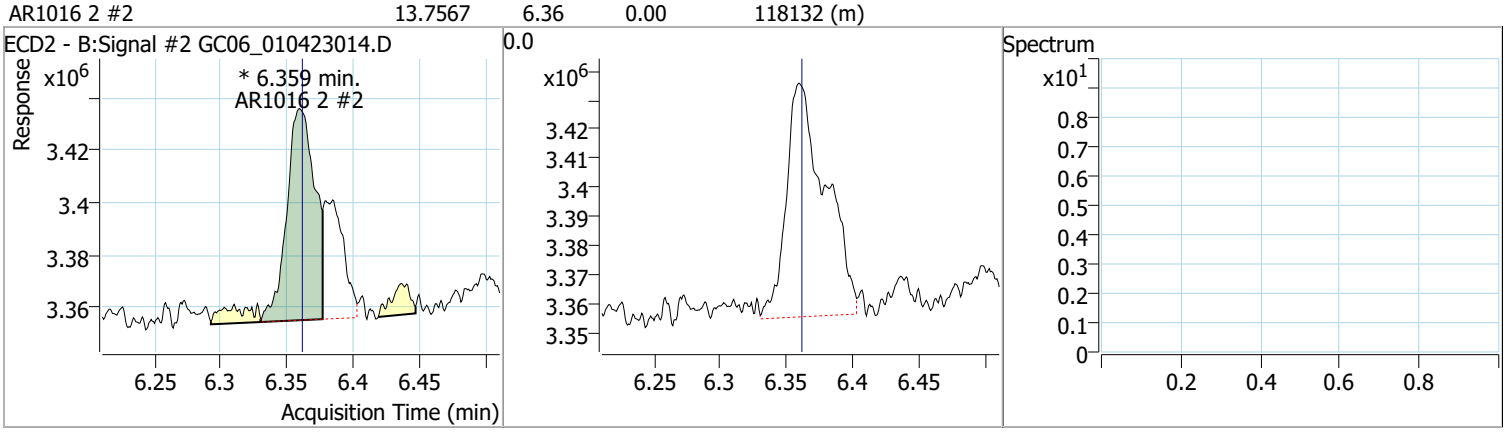
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	13.6155	6.21	0.00	45125				



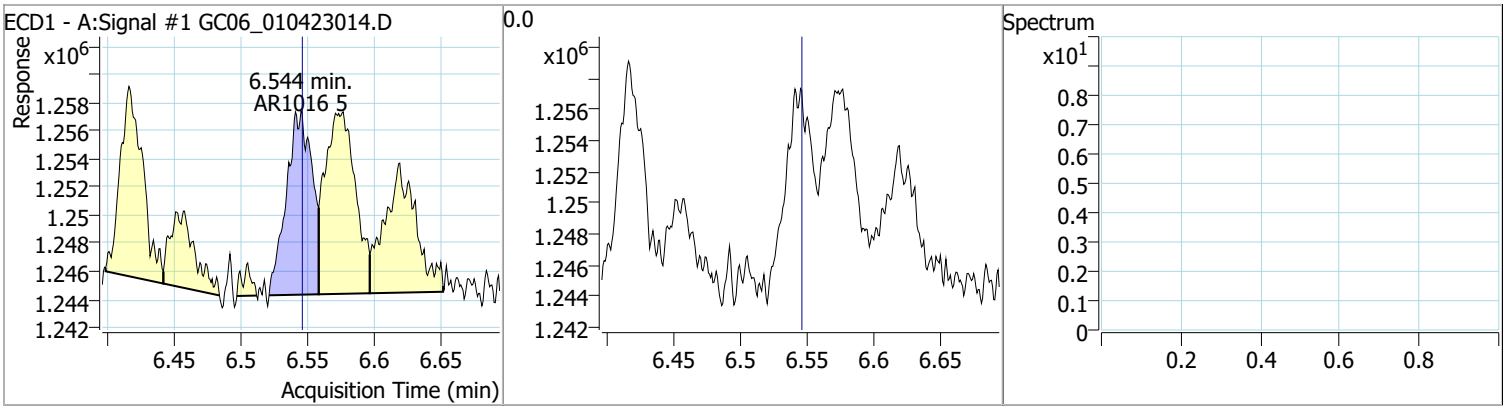
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	13.4579	6.35	0.00	28450				



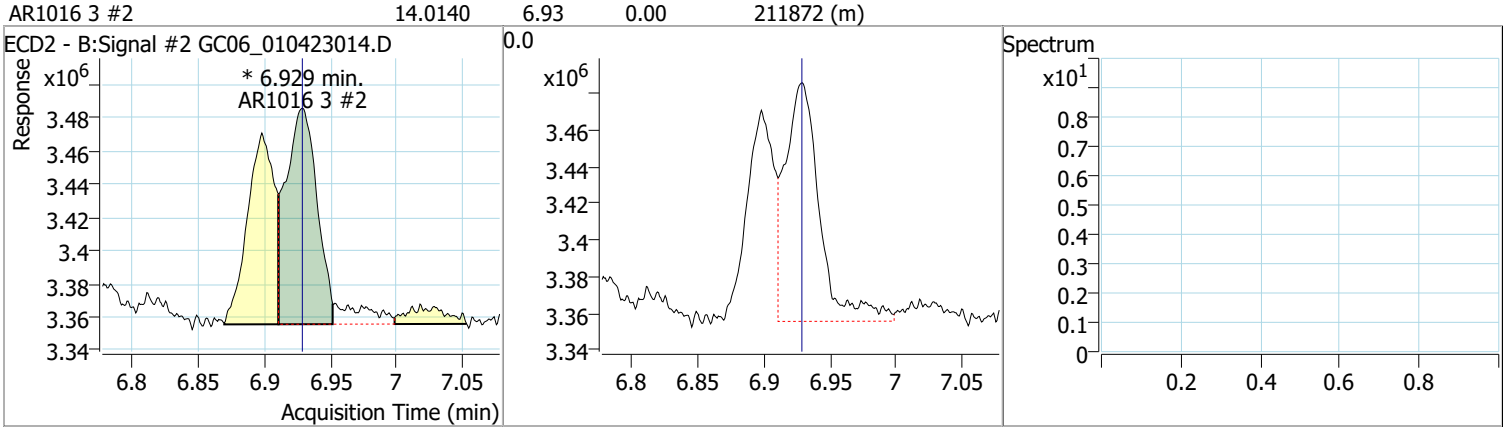
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AR1016 2 #2	13.7567	6.36	0.00	118132 (m)				



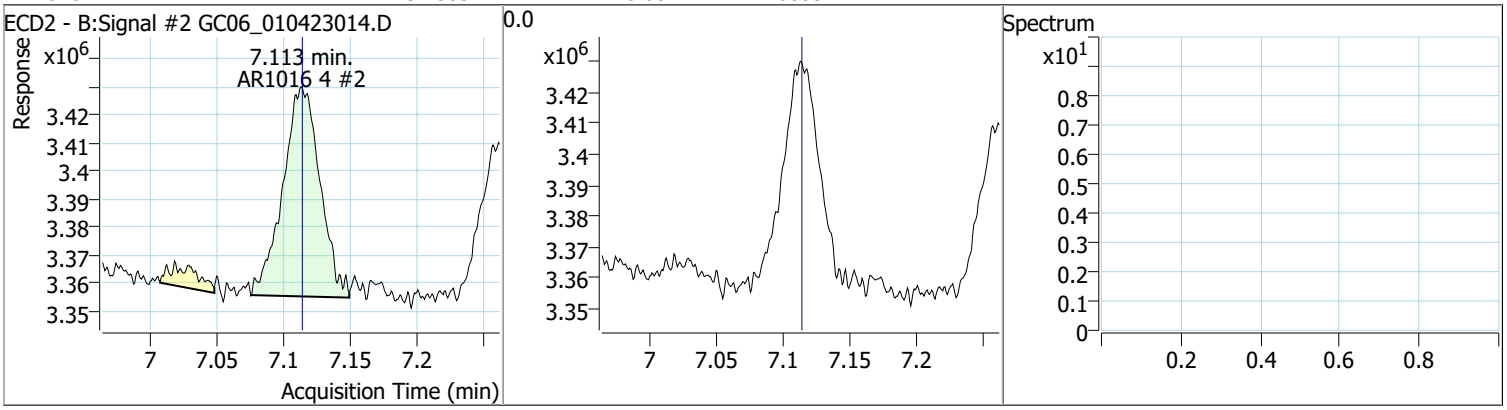
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	12.5726	6.54	0.00	17451				



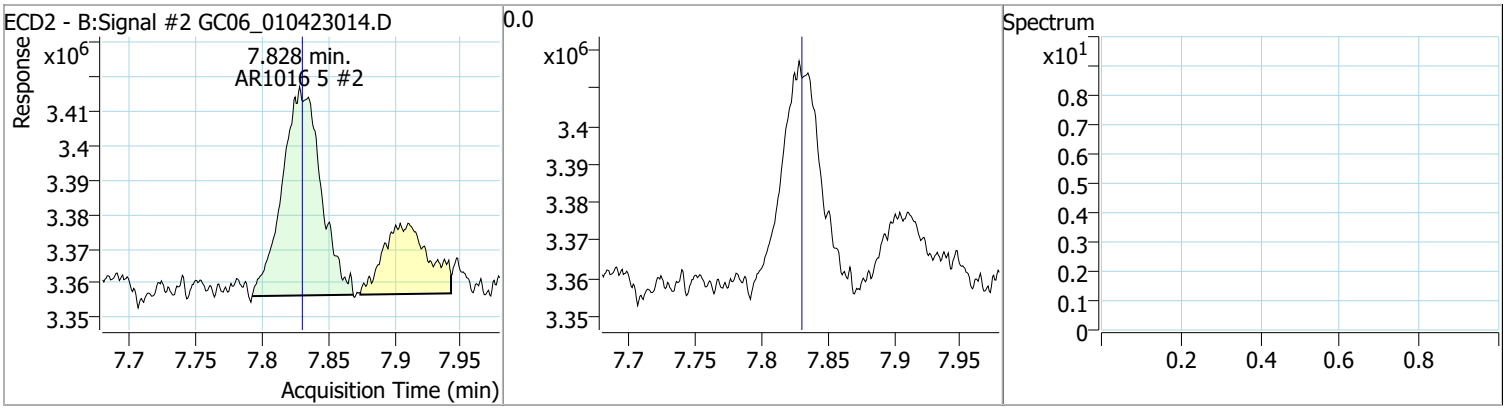
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	14.0140	6.93	0.00	211872 (m)				



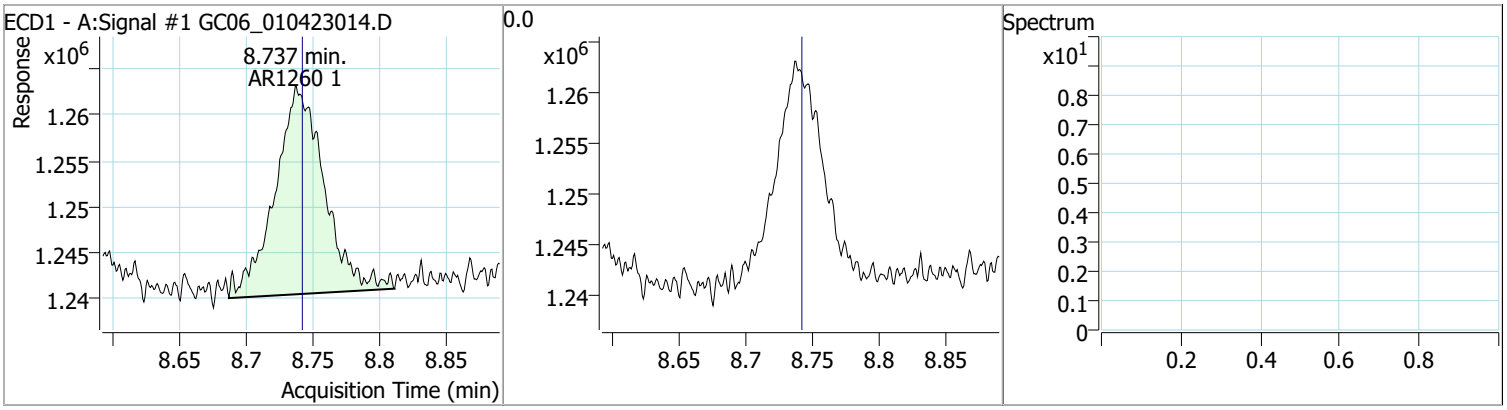
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AR1016 4 #2	13.2385	7.11	0.00	146055				



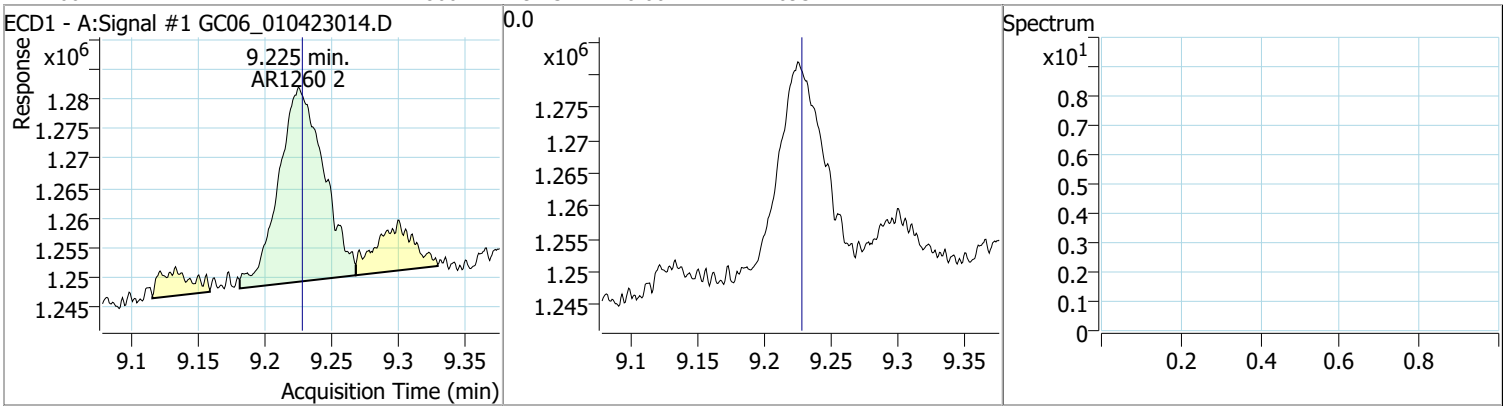
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	13.8455	7.83	0.00	122438				



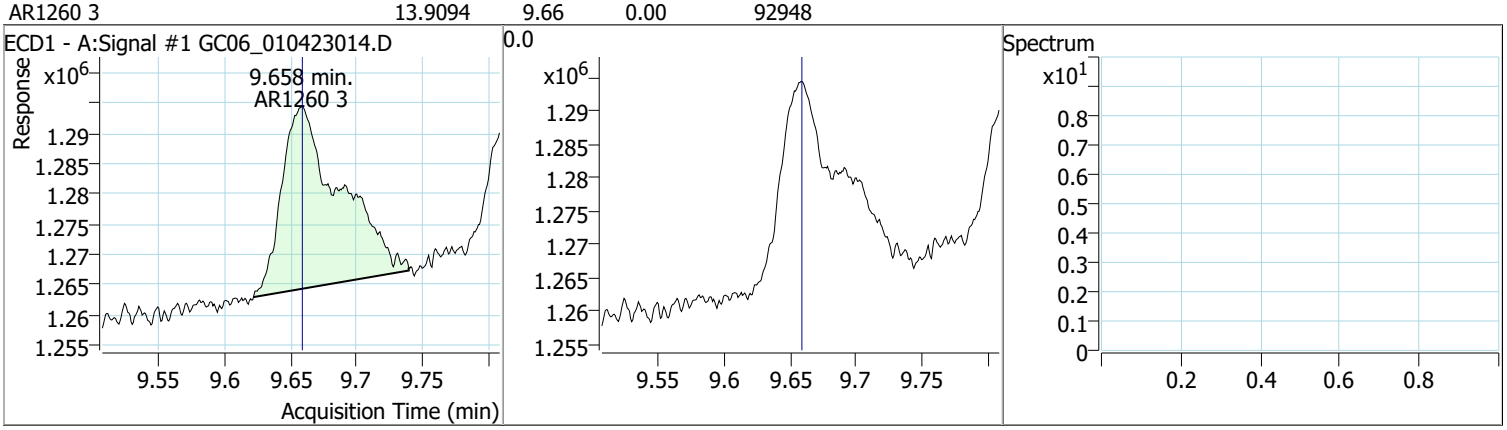
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	13.6590	8.74	0.00	58725				



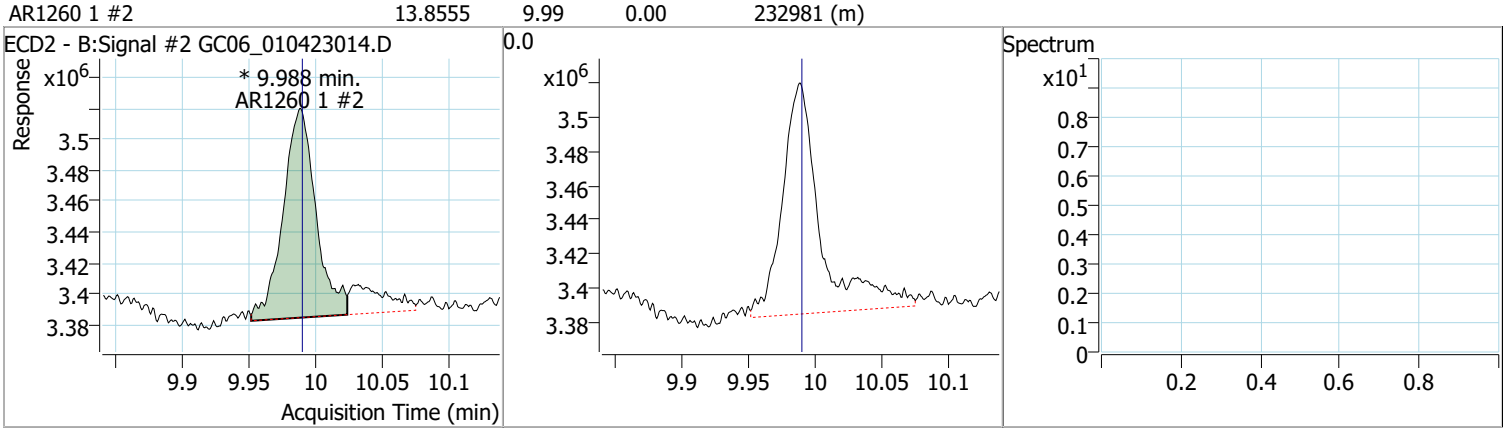
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	12.8667	9.23	0.00	77093				



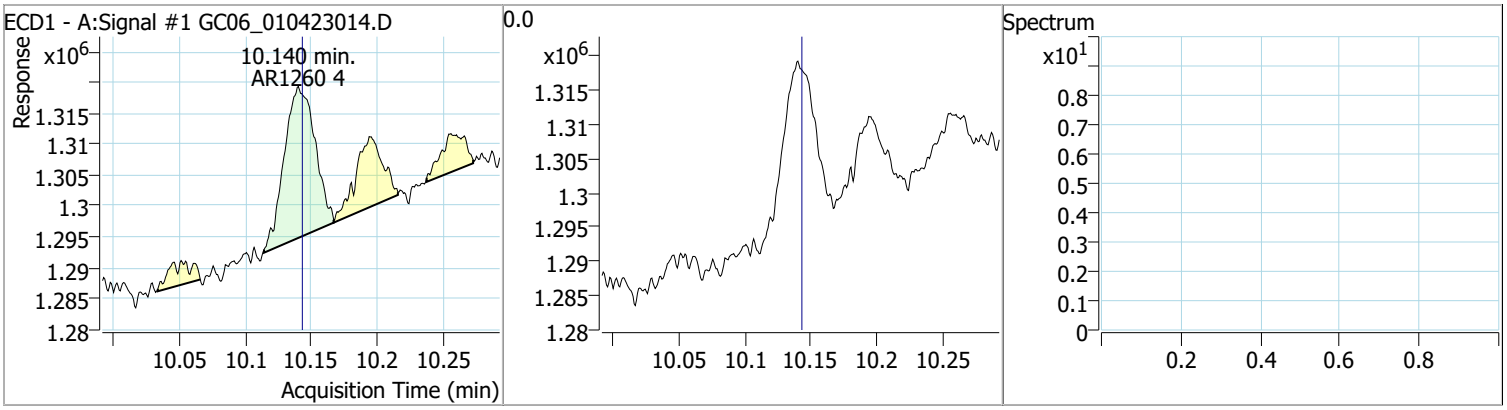
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	13.9094	9.66	0.00	92948				



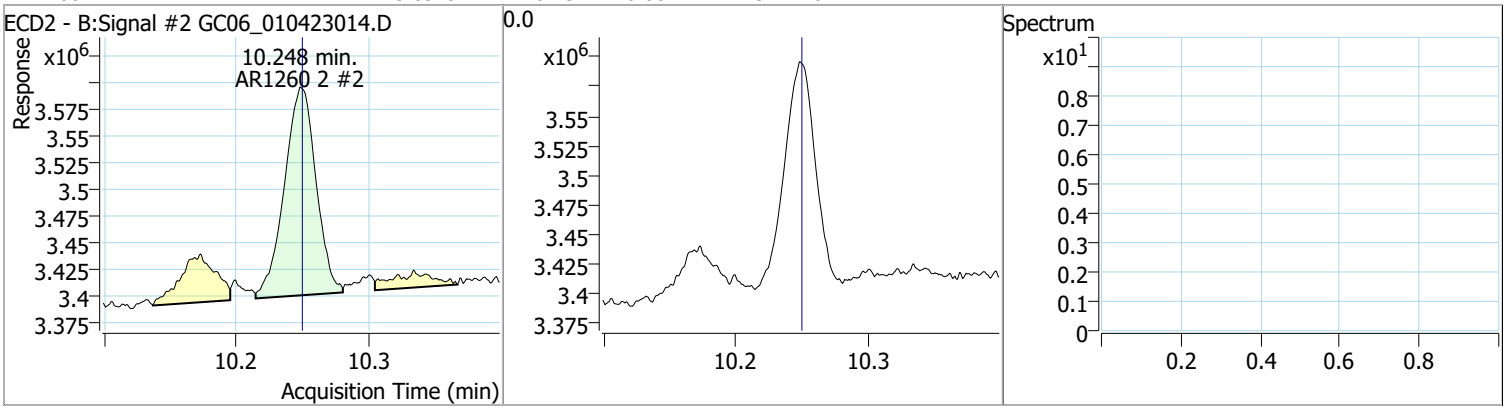
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.8555	9.99	0.00	232981 (m)				



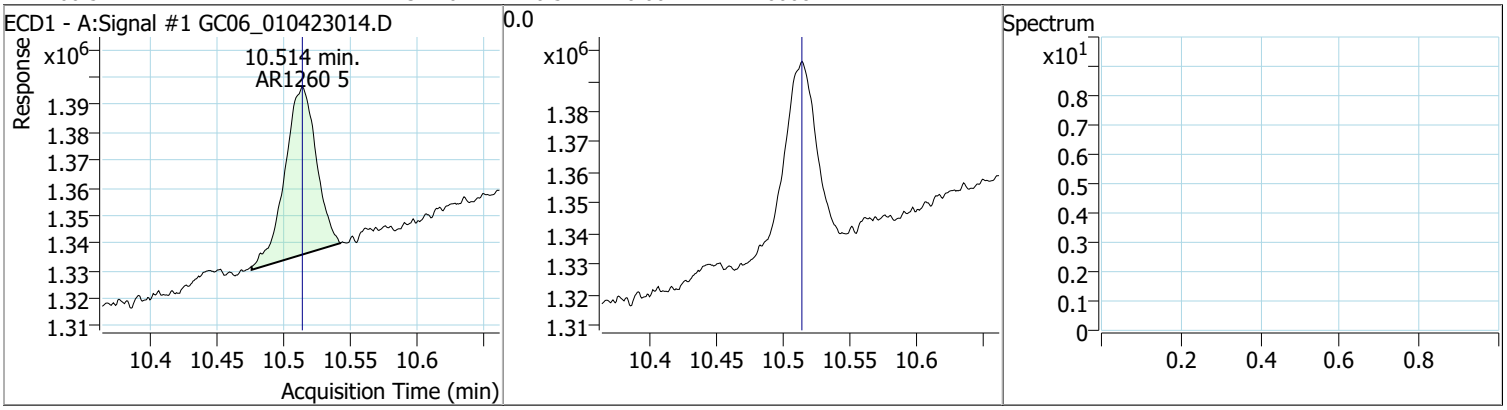
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.1747	10.14	0.00	39316				



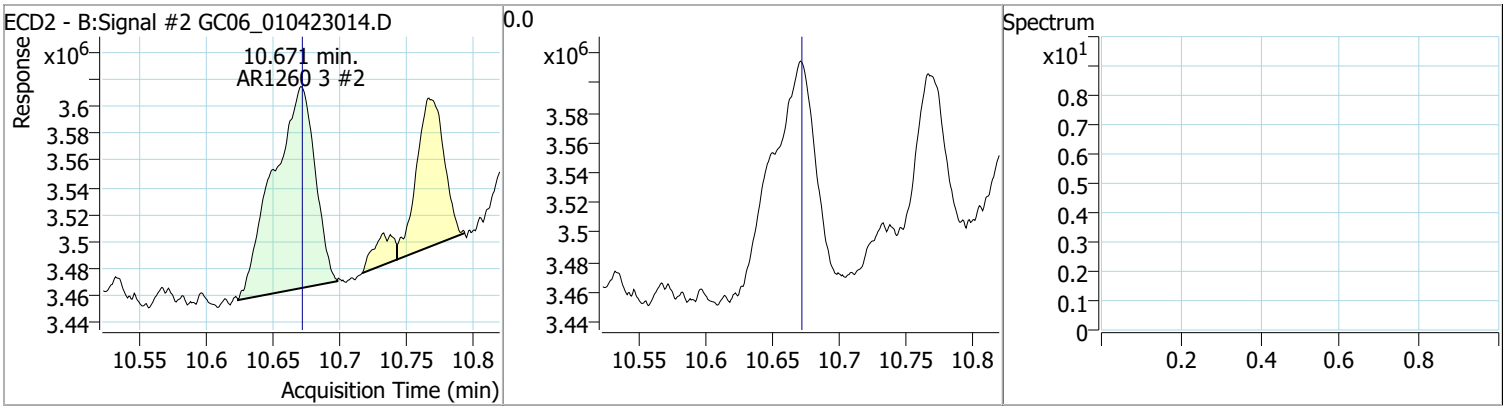
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.8949	10.25	0.00	322220				



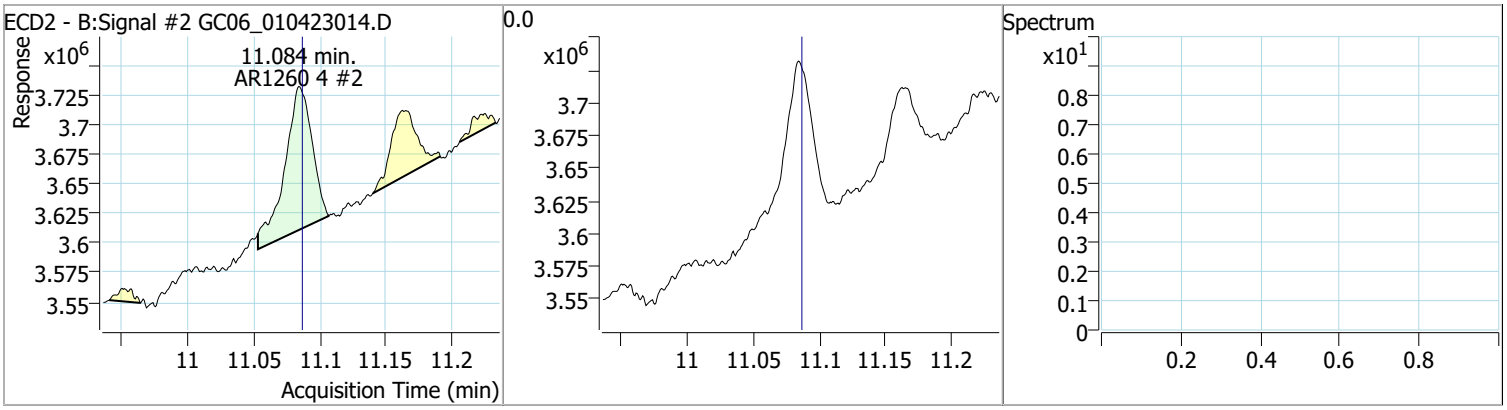
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.1267	10.51	0.00	100082				



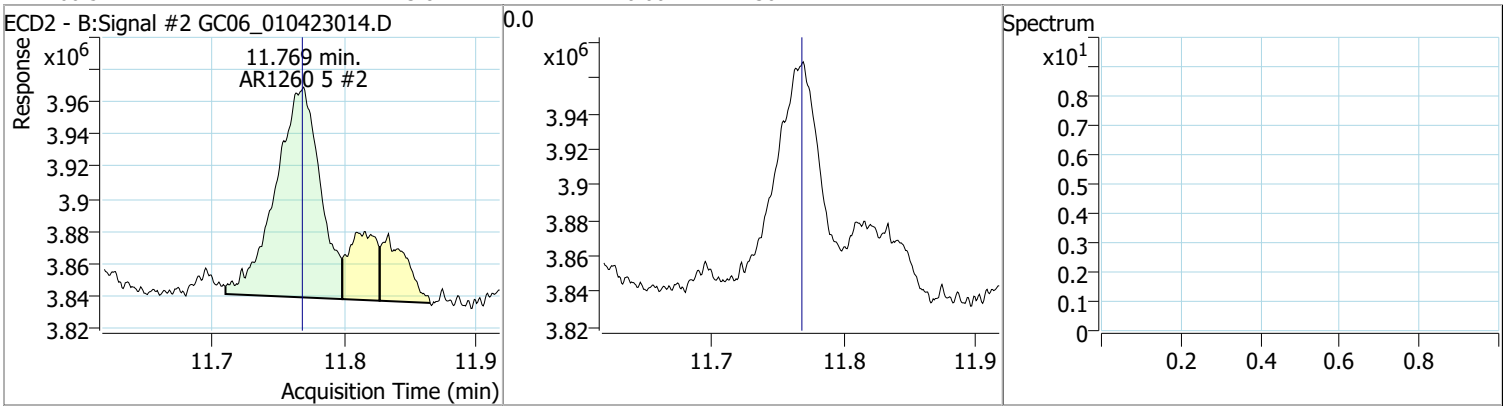
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.3719	10.67	0.00	328111				



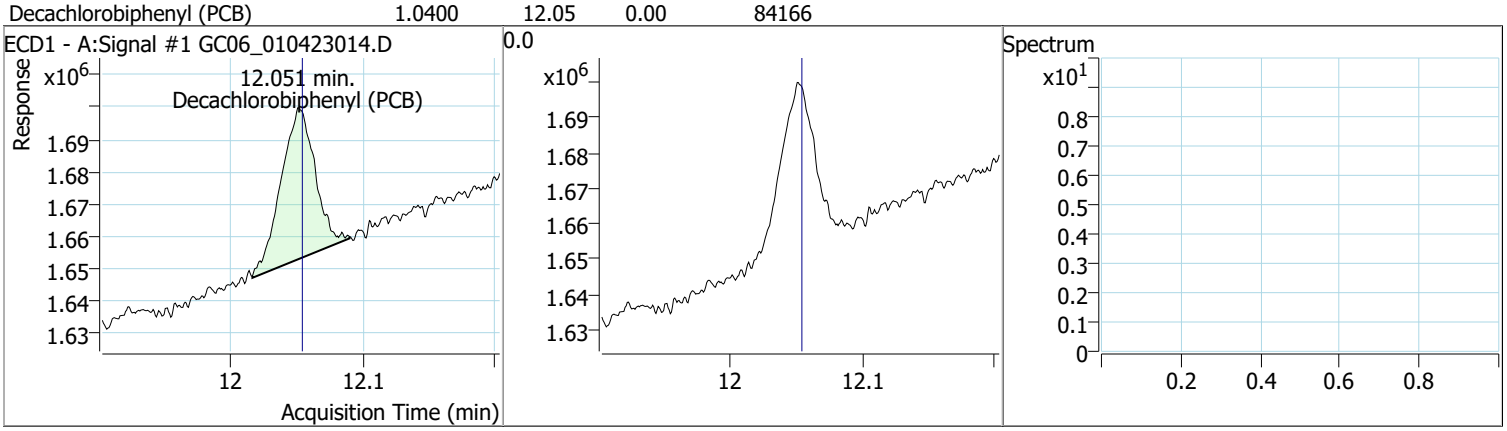
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	12.8966	11.08	0.00	173963				



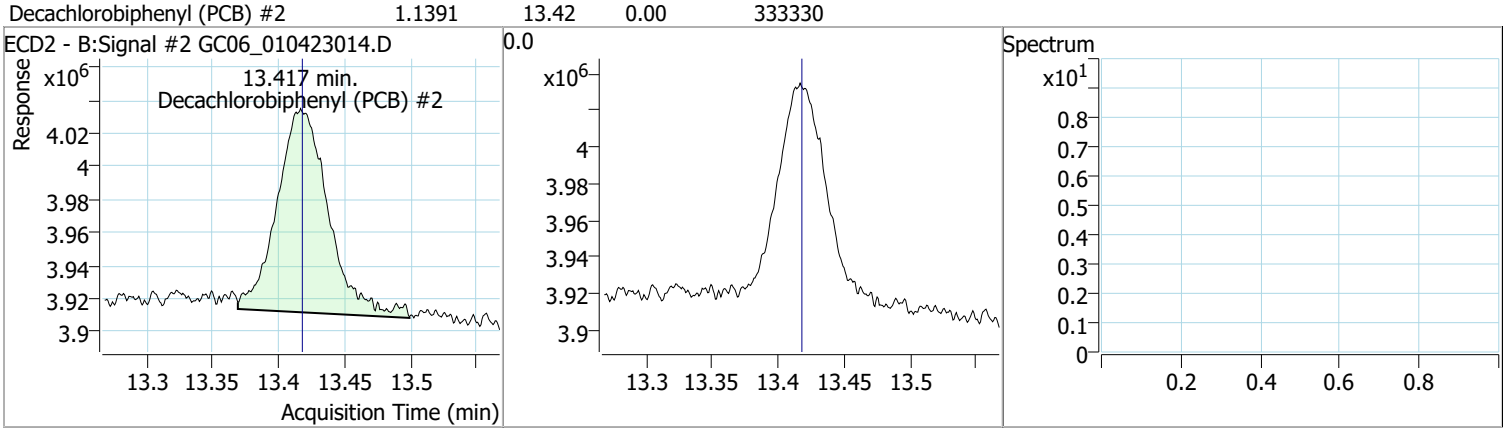
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.8474	11.77	0.00	307711				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.0400	12.05	0.00	84166				

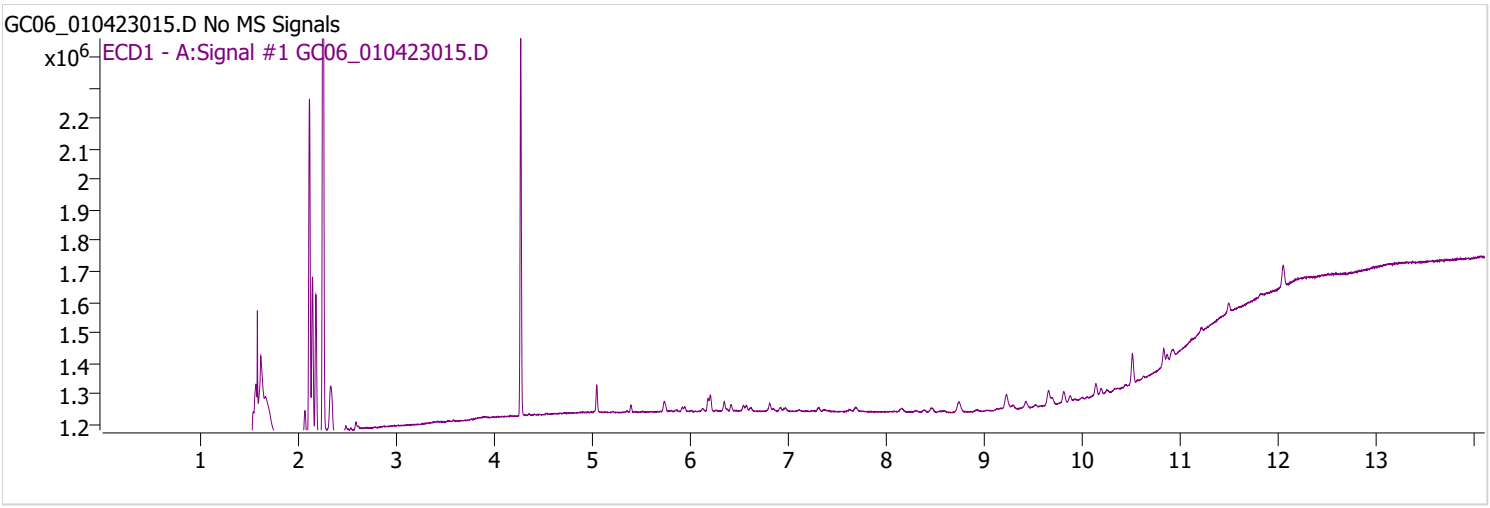


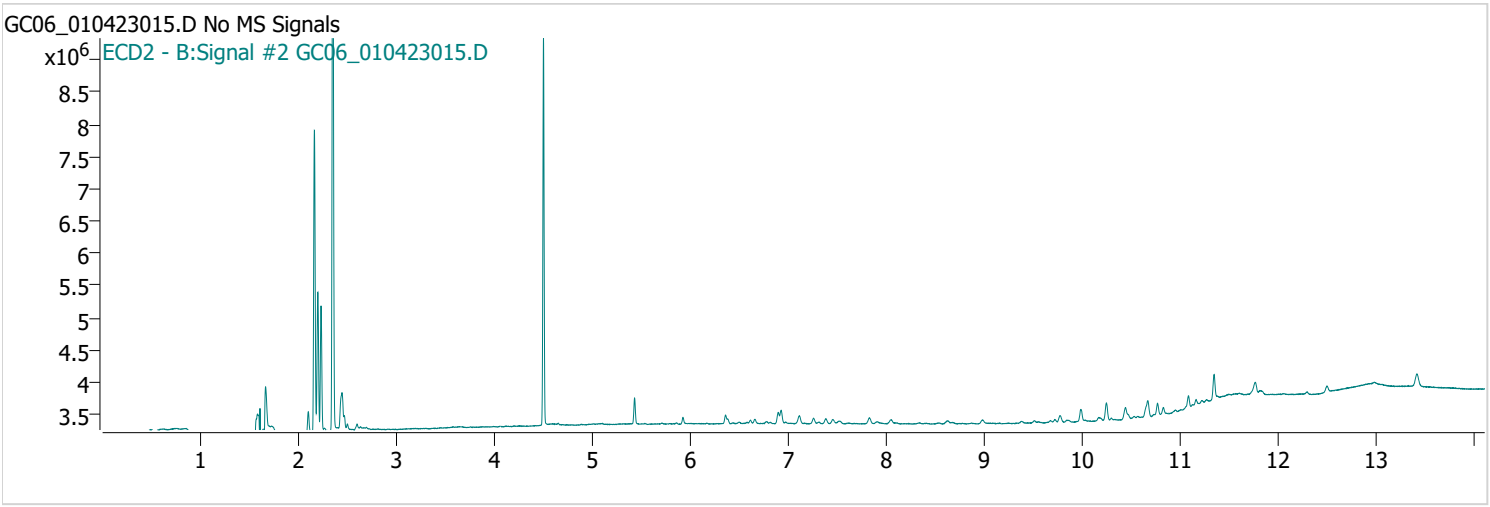
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.1391	13.42	0.00	333330				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 3:49:38 PM
Sample Name	ICAL, S17797	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



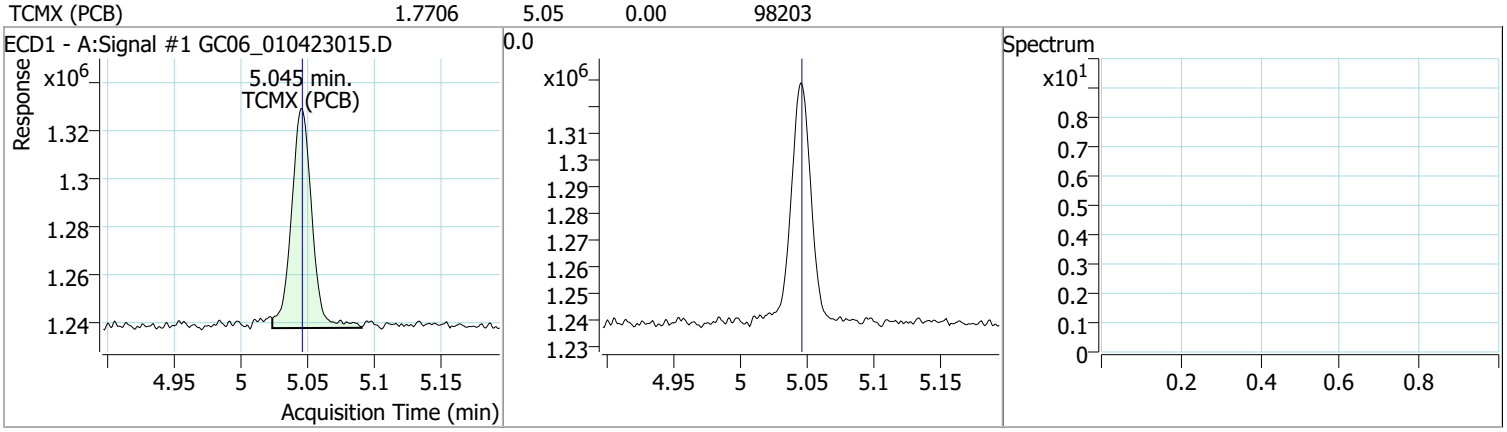


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1119288.135	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5221373.477	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	98203.086	1.7706	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.85%		*	
S TCMX (PCB) #2	5.432	0.0	458511.791	1.7912	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.96%		*	
S Decachlorobiphenyl (PCB)	12.053	0.0	131267.723	1.6831	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.42%		*	
S Decachlorobiphenyl (PCB) #2	13.421	0.0	533786.296	1.8833	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.42%		*	
Target Compounds							**QValue**
T AR1016 1	5.393	0.0	28478.044	22.3233	ng/ml		100
T AR1016 2	5.733	0.0	59319.985	13.6809	ng/ml		100
T AR1016 1 #2	5.926	0.0	133522.601	23.1502	ng/ml		100

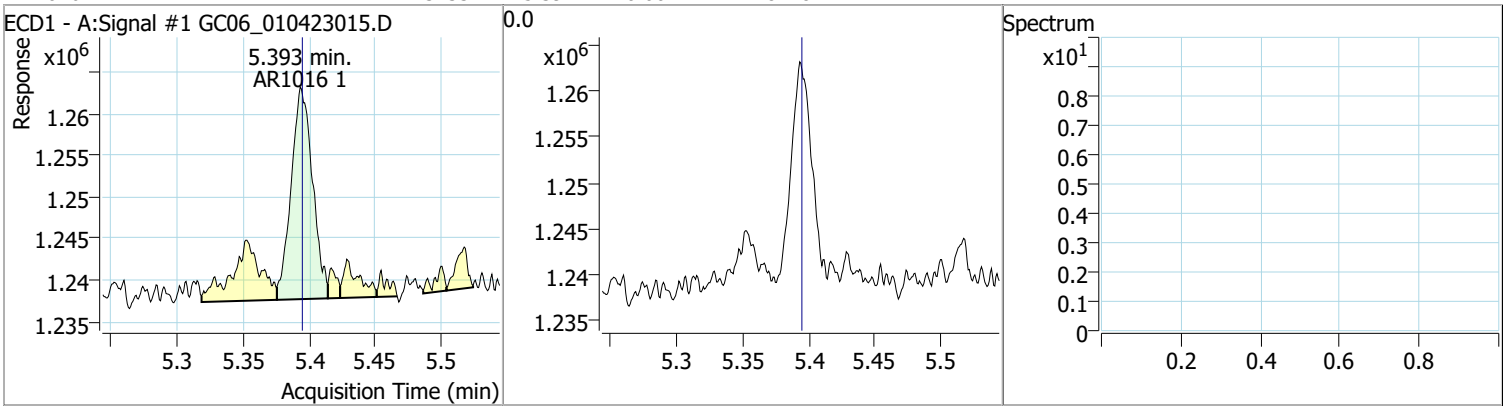
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.204	0.0	76424.873	23.9265	ng/ml		100
T AR1016 4	6.347	0.0	46094.699	22.6242	ng/ml		100
T AR1016 2 #2	6.360	0.0	188847.710	22.7052	ng/ml	m	100
T AR1016 5	6.542	0.0	28220.895	21.0966	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	330917.559	22.5983	ng/ml		100
T AR1016 4 #2	7.114	0.0	242809.730	22.7224	ng/ml		100
T AR1016 5 #2	7.828	0.0	180222.359	21.0410	ng/ml		100
T AR1260 1	8.741	0.0	91547.403	22.0939	ng/ml		100
T AR1260 2	9.228	0.0	128336.316	22.2246	ng/ml		100
T AR1260 3	9.659	0.0	142786.969	22.1711	ng/ml	m	100
T AR1260 1 #2	9.988	0.0	357024.119	21.9213	ng/ml	m	100
T AR1260 4	10.141	0.0	68614.088	20.2356	ng/ml		100
T AR1260 2 #2	10.248	0.0	450528.847	11.9379	ng/ml		100
T AR1260 5	10.513	0.0	149518.865	20.3484	ng/ml		100
T AR1260 3 #2	10.672	0.0	564636.623	23.7578	ng/ml		100
T AR1260 4 #2	11.086	0.0	271232.553	20.7600	ng/ml	m	100
T AR1260 5 #2	11.768	0.0	497965.394	23.1361	ng/ml		100

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

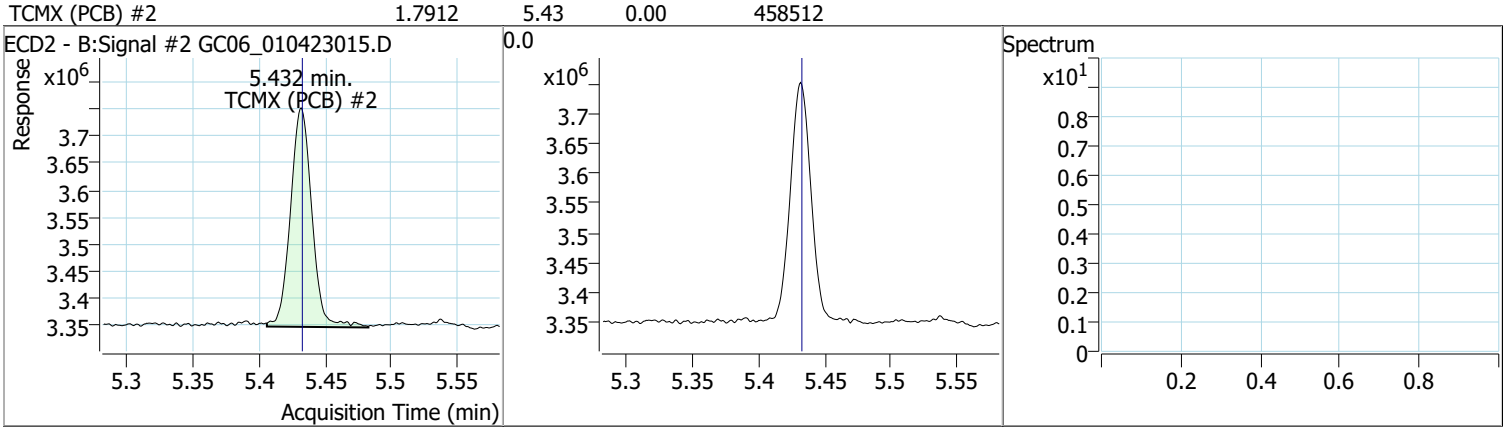
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.7706	5.05	0.00	98203				



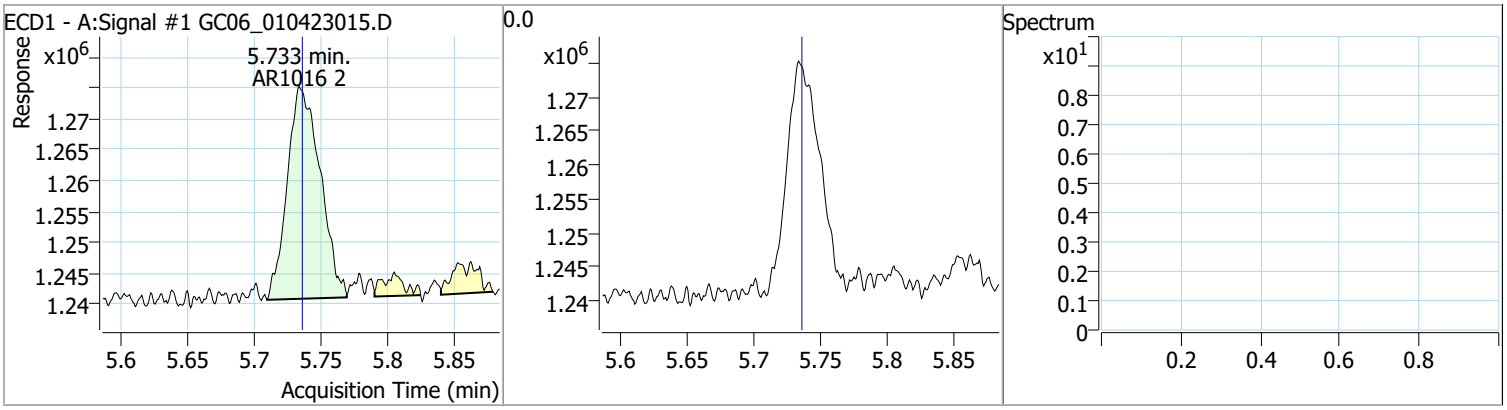
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.3233	5.39	0.00	28478				



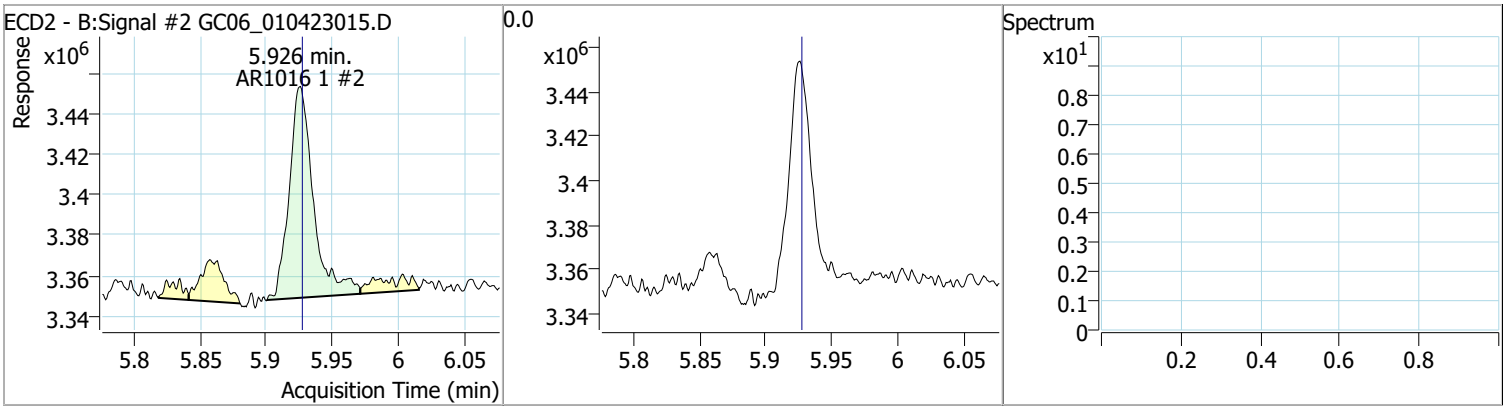
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.7912	5.43	0.00	458512				



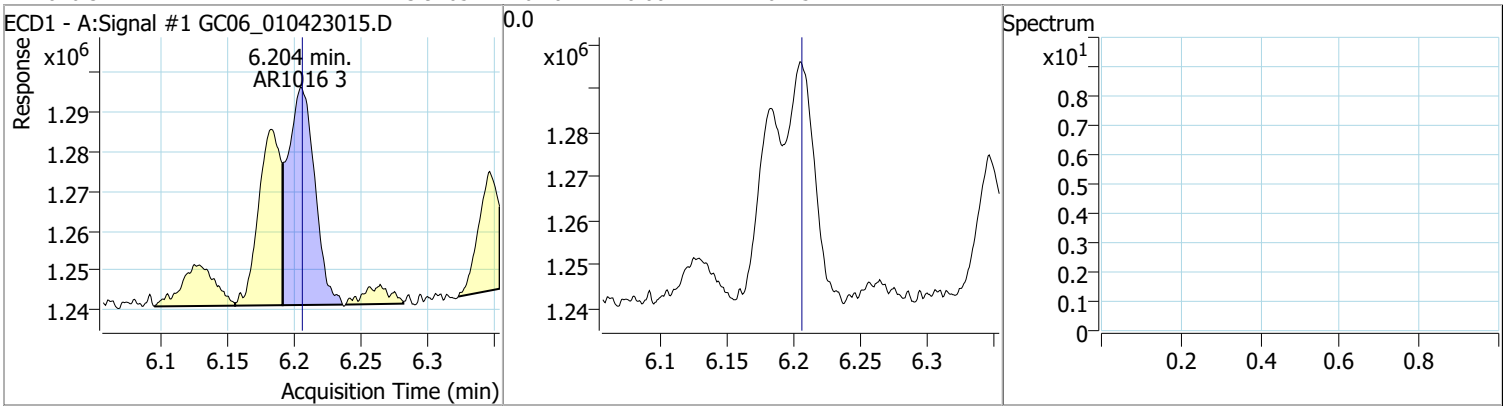
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	13.6809	5.73	0.00	59320				



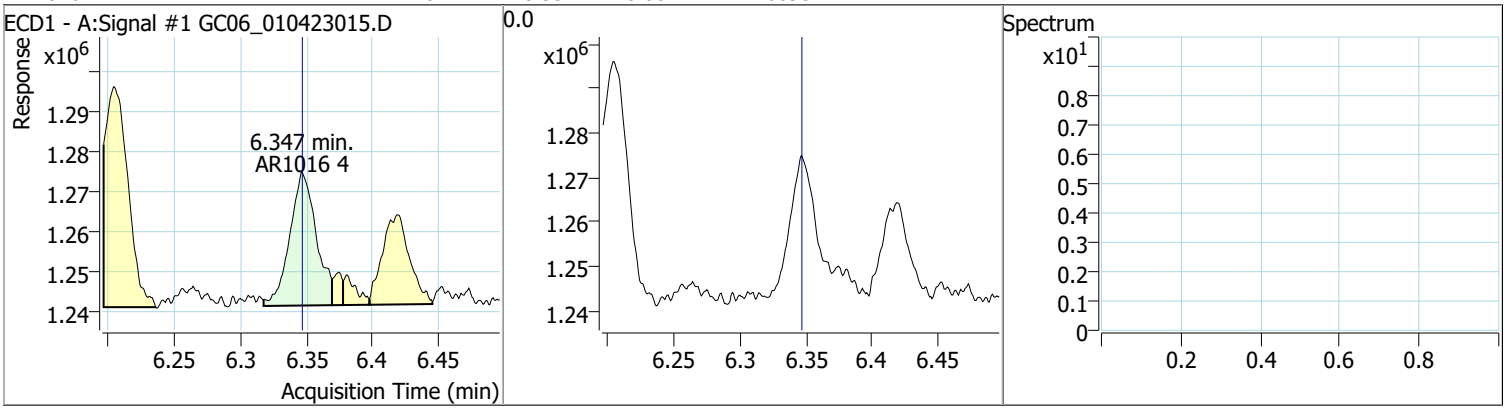
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.1502	5.93	0.00	133523				



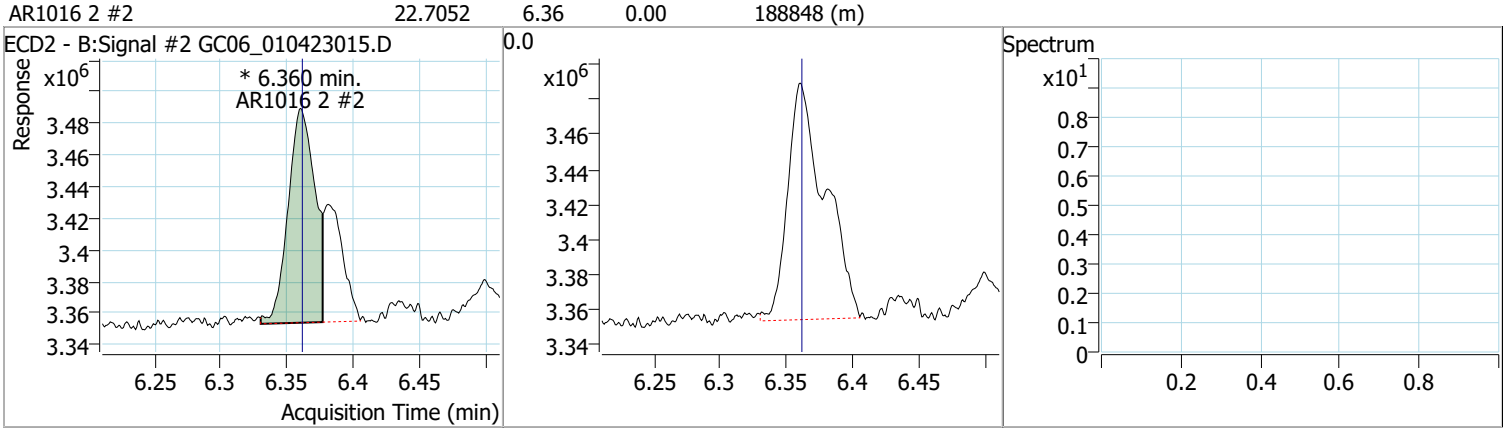
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.9265	6.20	0.00	76425				



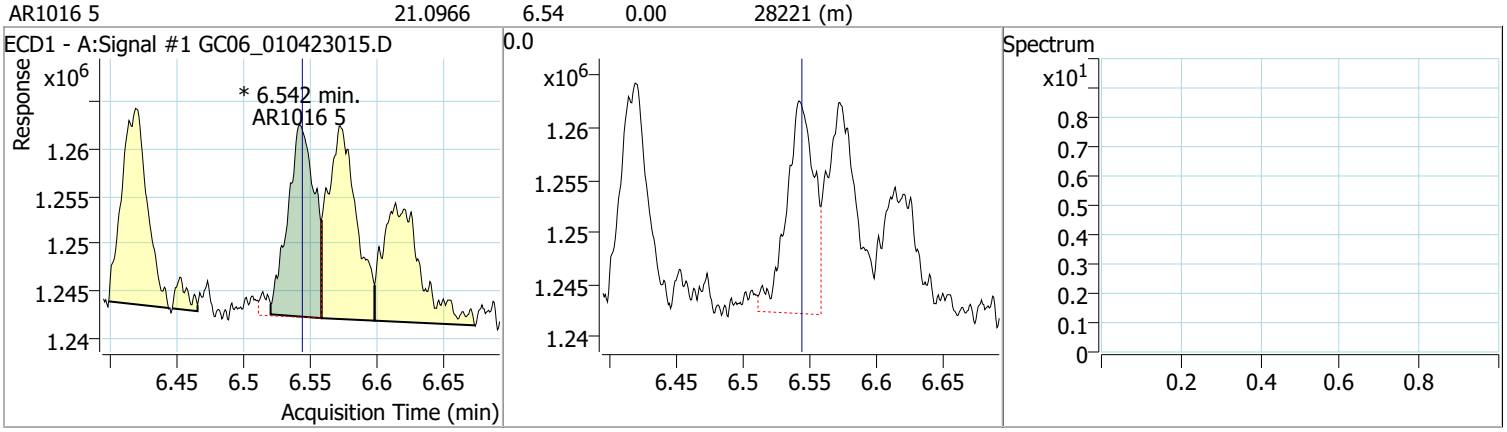
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.6242	6.35	0.00	46095				



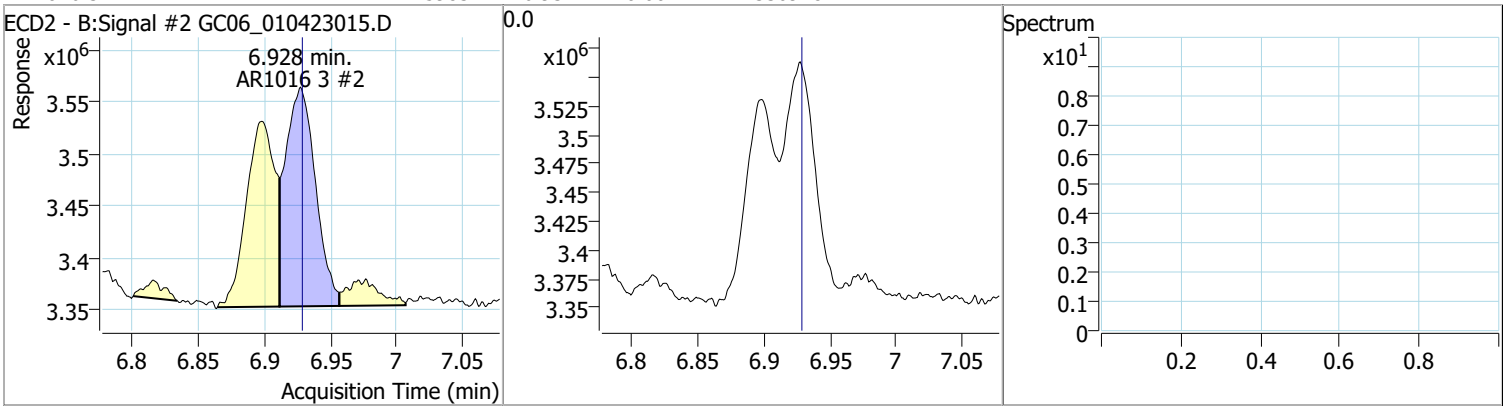
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	22.7052	6.36	0.00	188848 (m)				



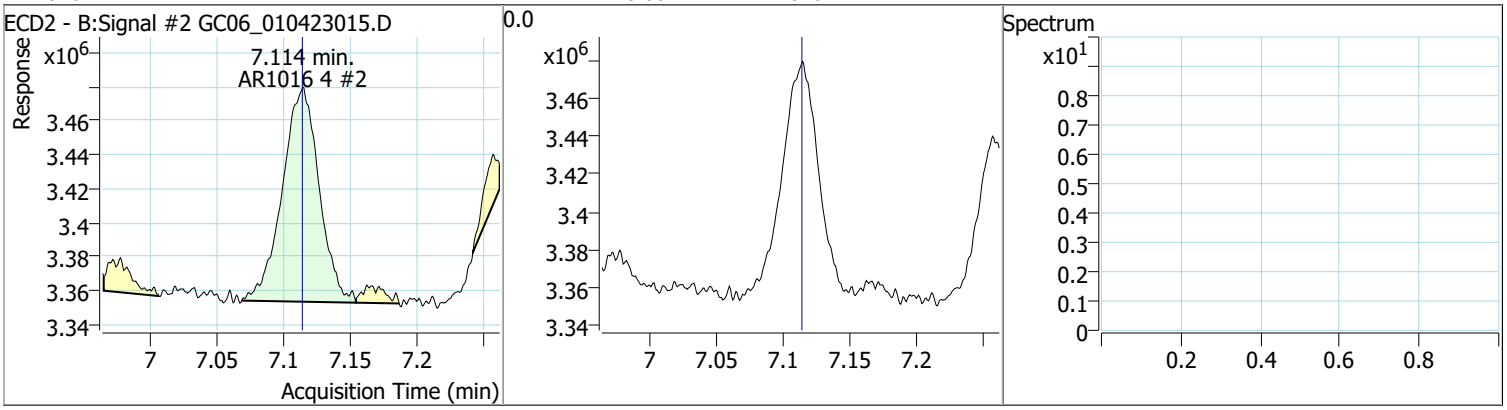
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.0966	6.54	0.00	28221 (m)				



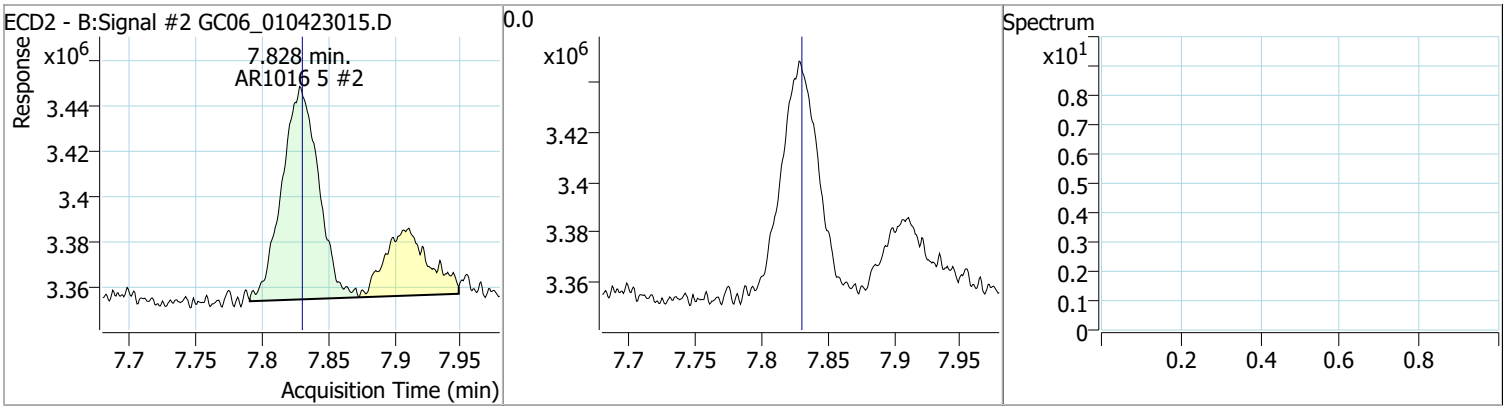
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	22.5983	6.93	0.00	330918				



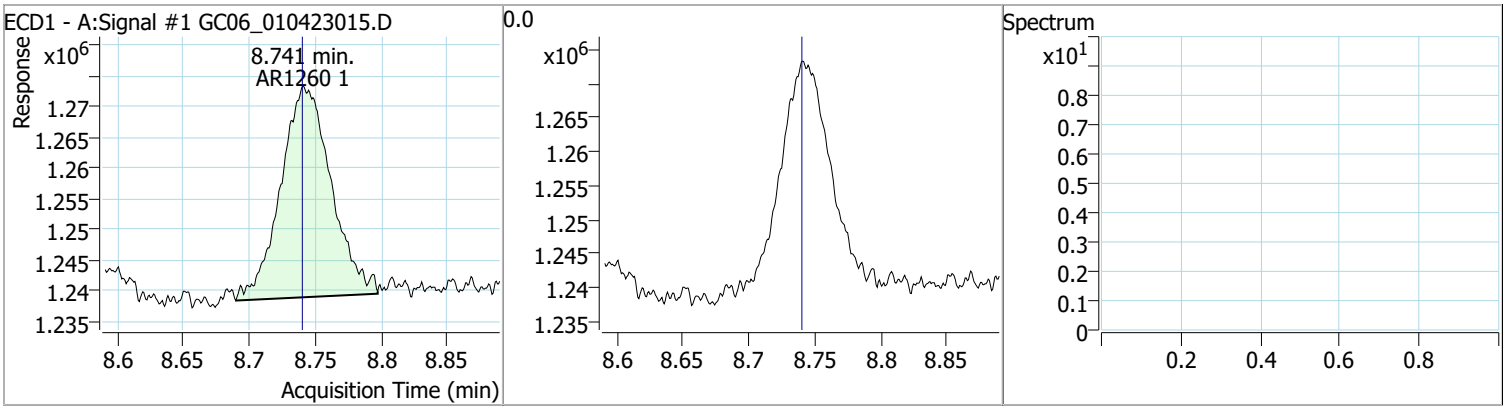
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.7224	7.11	0.00	242810				



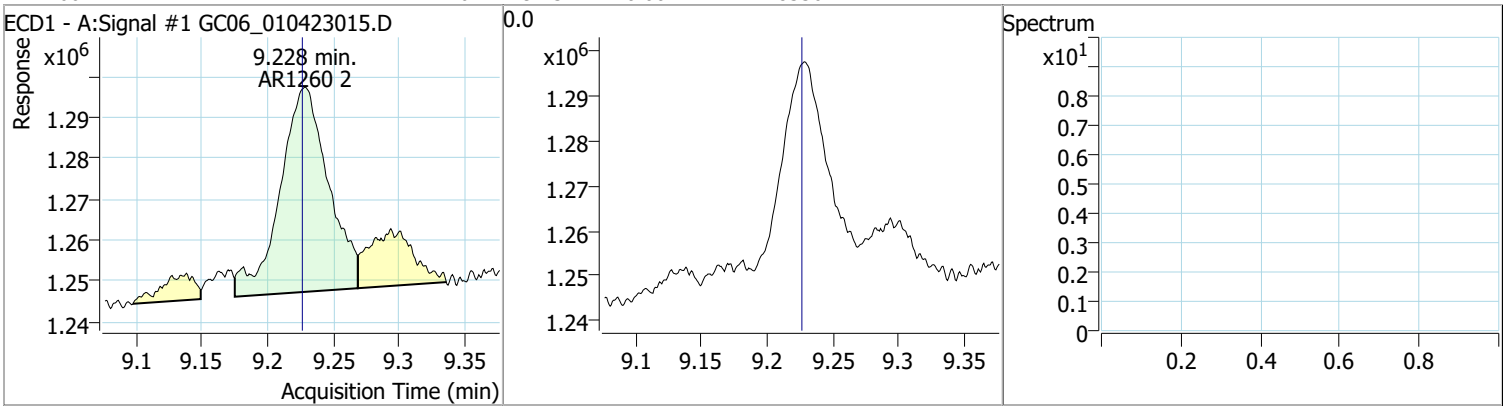
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	21.0410	7.83	0.00	180222				



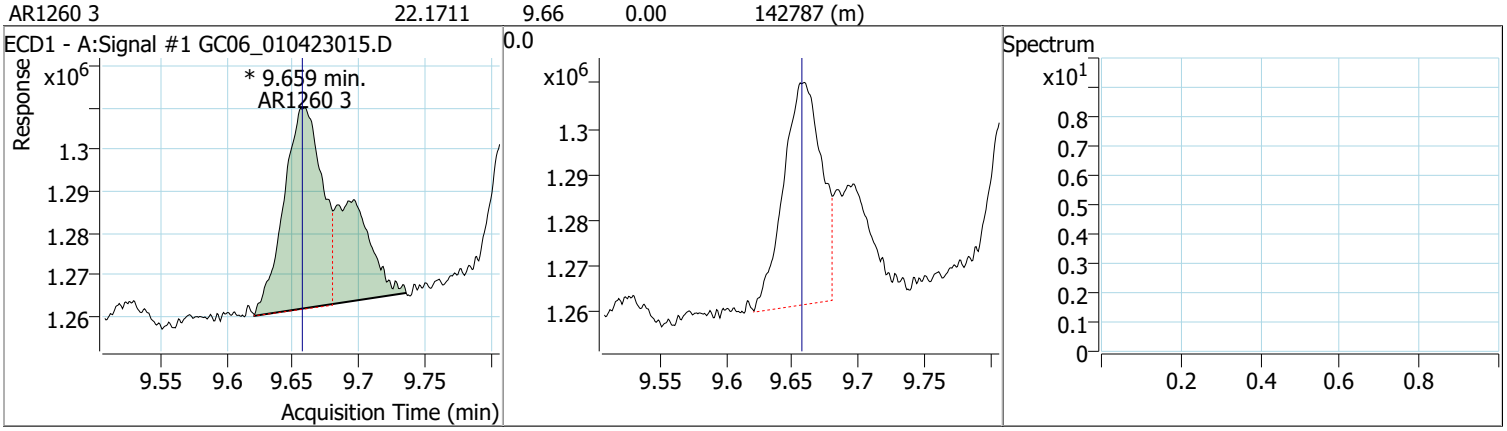
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	22.0939	8.74	0.00	91547				



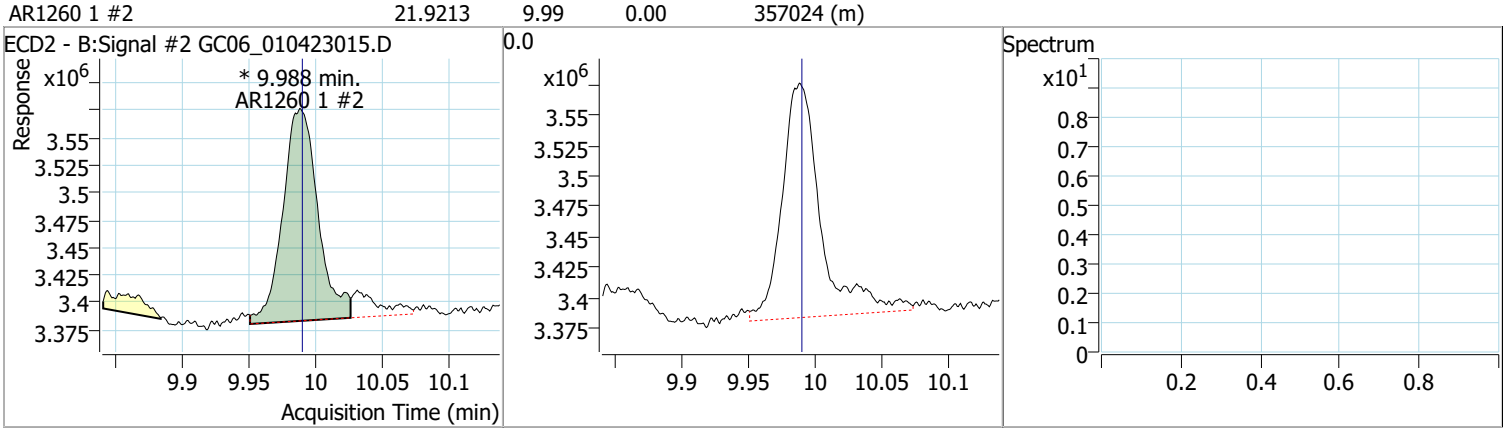
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.2246	9.23	0.00	128336				



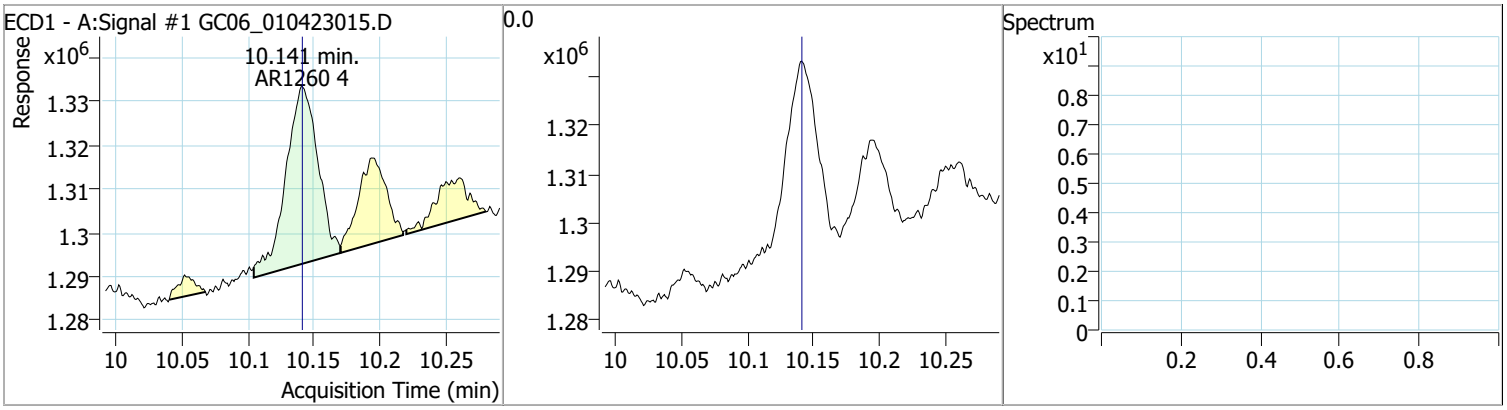
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	22.1711	9.66	0.00	142787 (m)				



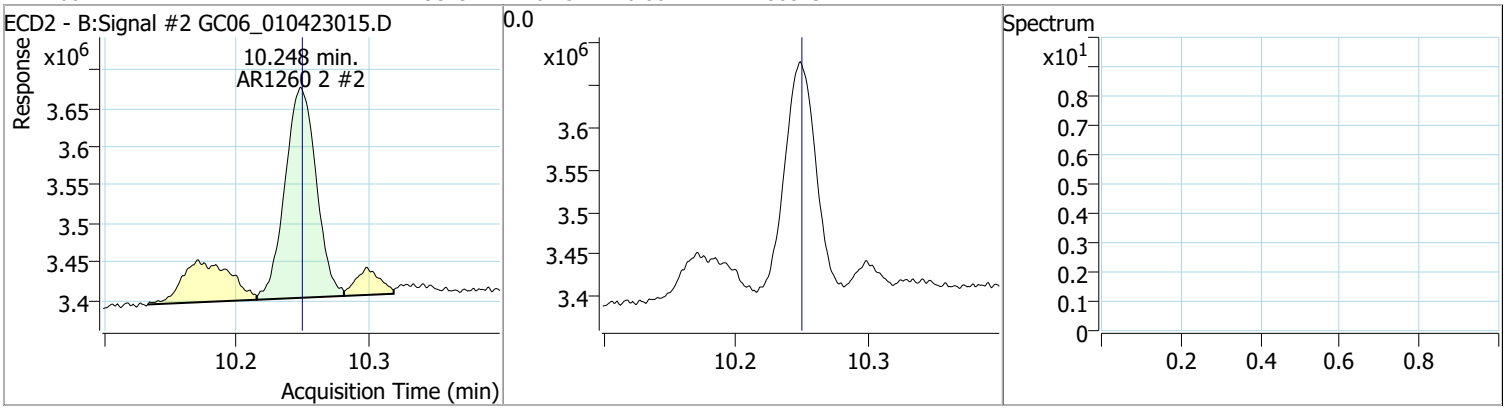
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.9213	9.99	0.00	357024 (m)				



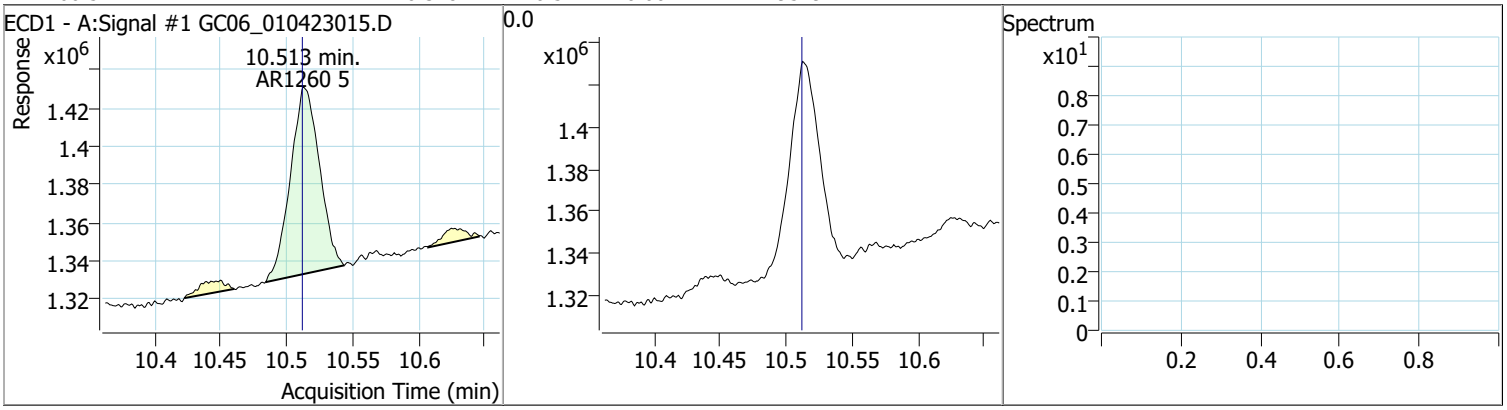
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	20.2356	10.14	0.00	68614				



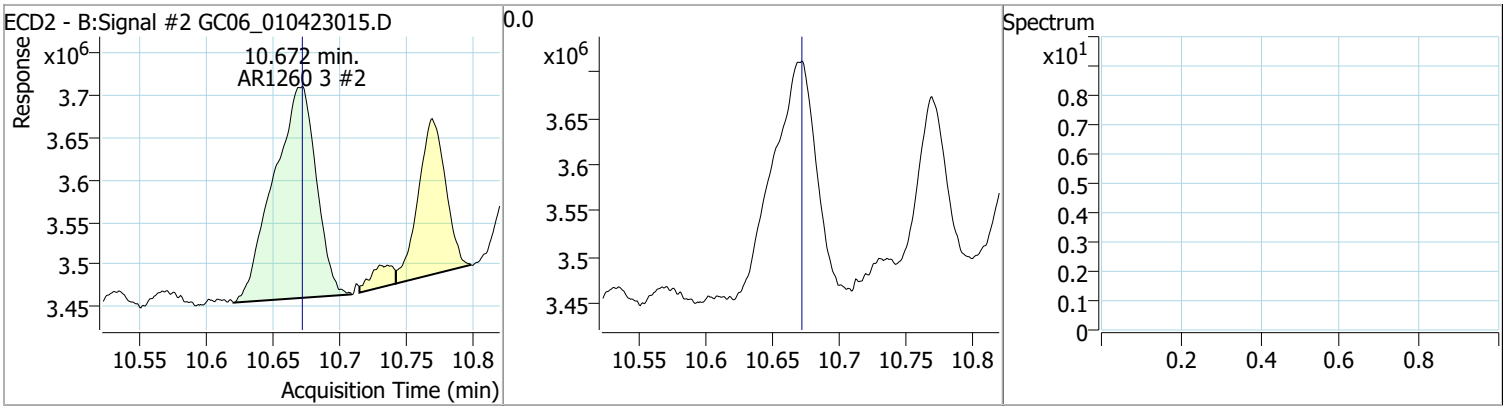
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	11.9379	10.25	0.00	450529				



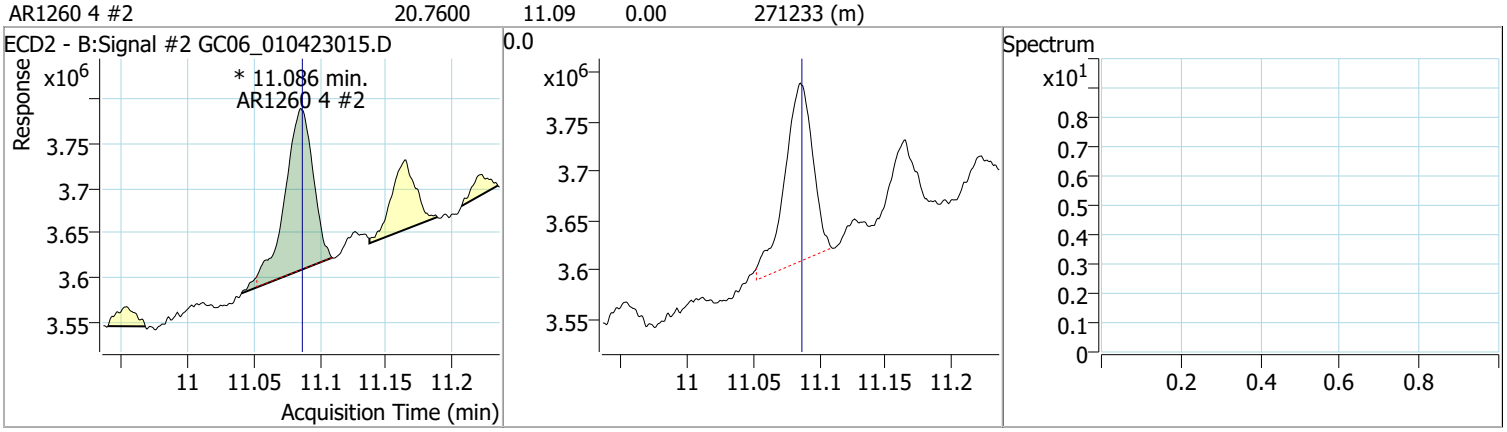
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.3484	10.51	0.00	149519				



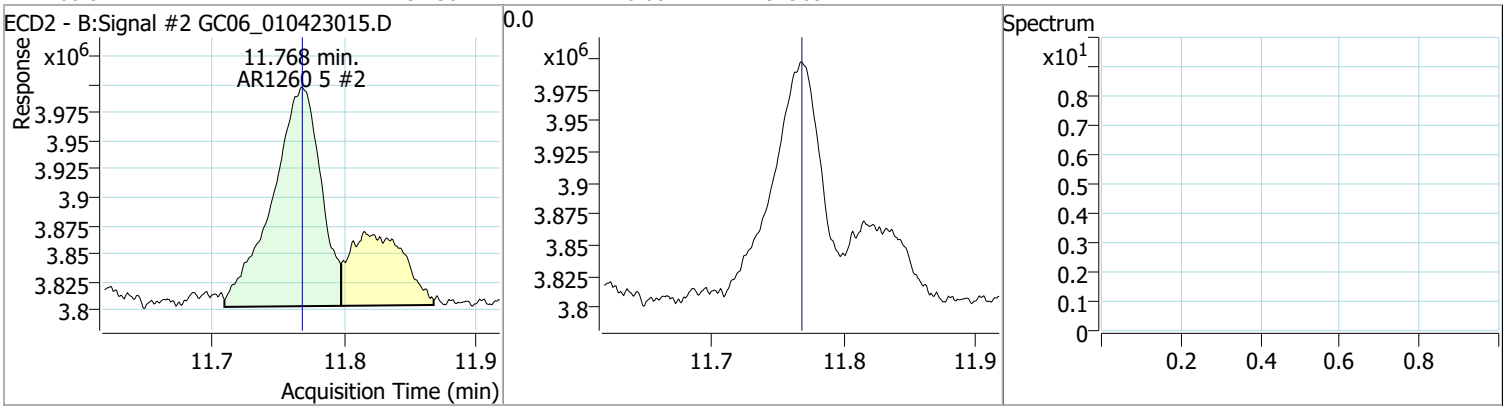
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.7578	10.67	0.00	564637				



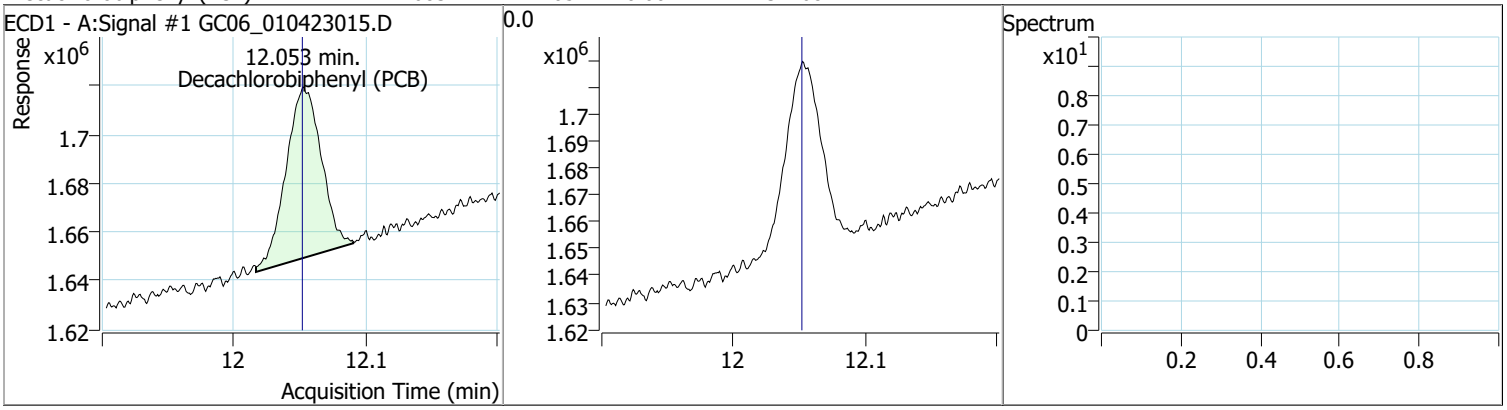
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.7600	11.09	0.00	271233 (m)				



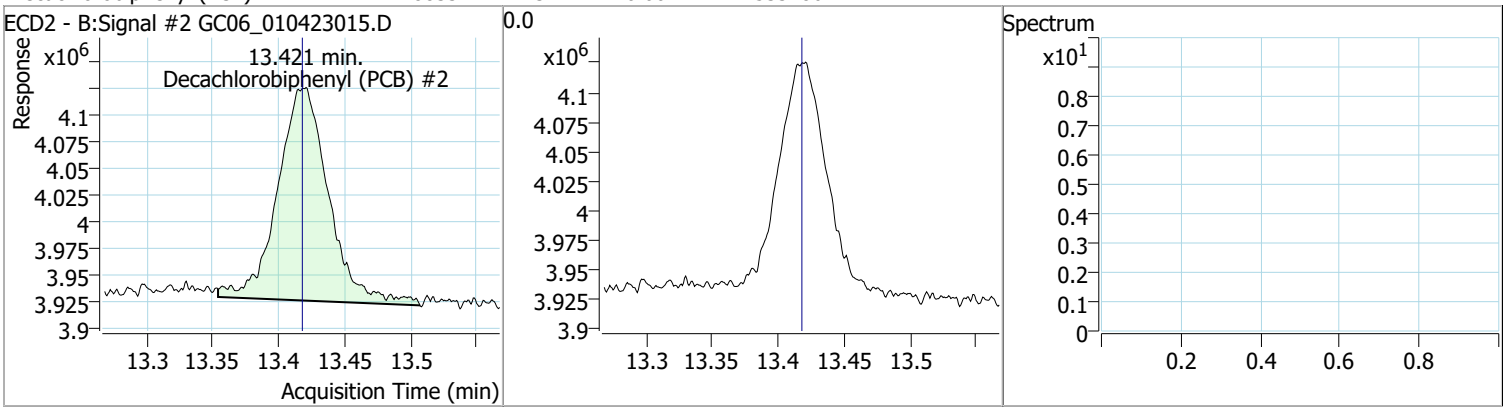
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.1361	11.77	0.00	497965				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.6831	12.05	0.00	131268				

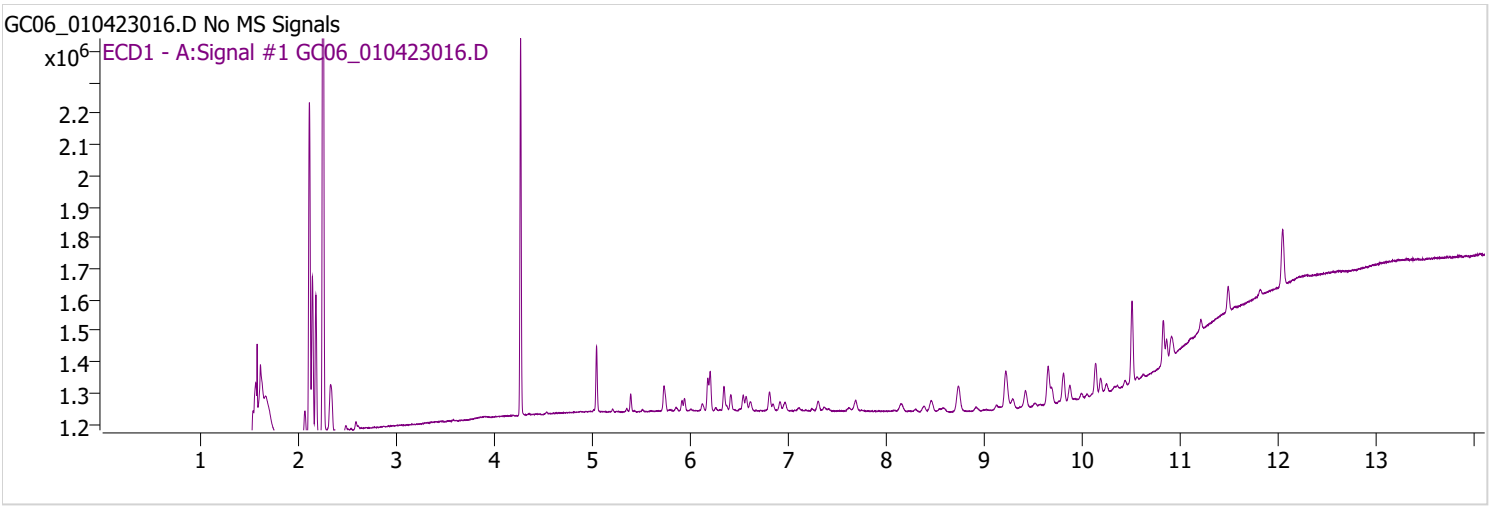


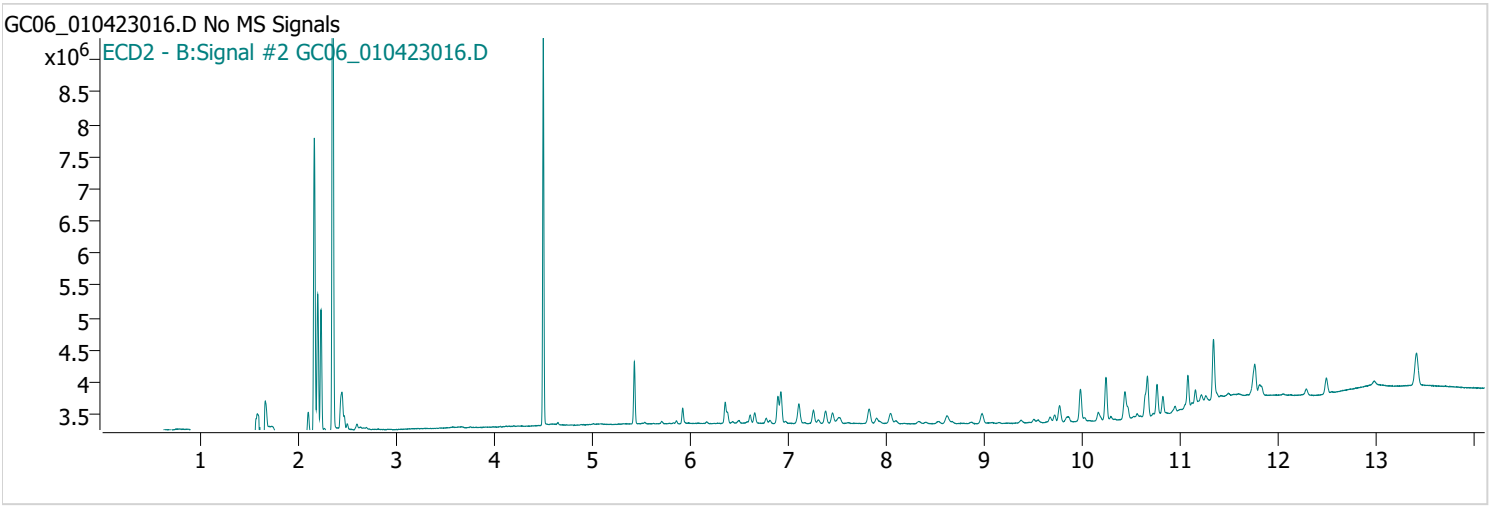
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.8833	13.42	0.00	533786				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 4:07:56 PM
Sample Name	ICAL, S17798	Instrument	SVOA-GC06
Vial	23	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



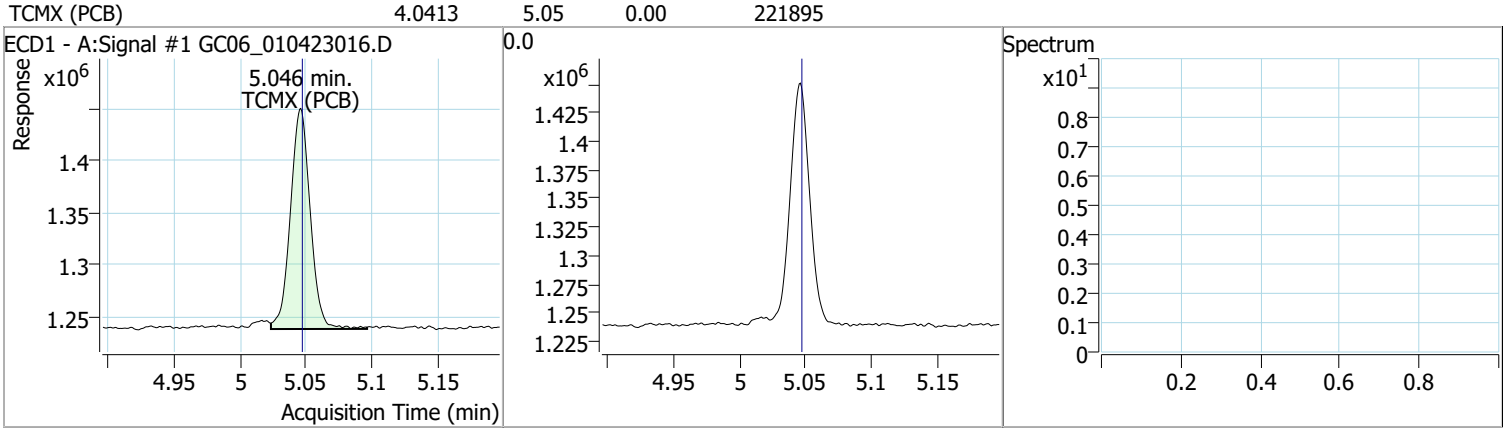


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1108047.151	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5172440.782	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	221894.712	4.0413	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.21%		*	
S TCMX (PCB) #2	5.432	0.0	1034090.219	4.0779	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.39%		*	
S Decachlorobiphenyl (PCB)	12.054	0.0	347487.596	4.5005	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.50%		*	
S Decachlorobiphenyl (PCB) #2	13.421	0.0	1280718.307	4.5613	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.81%		*	
Target Compounds							QValue
T AR1016 1	5.394	0.0	62721.495	49.6648	ng/ml		100

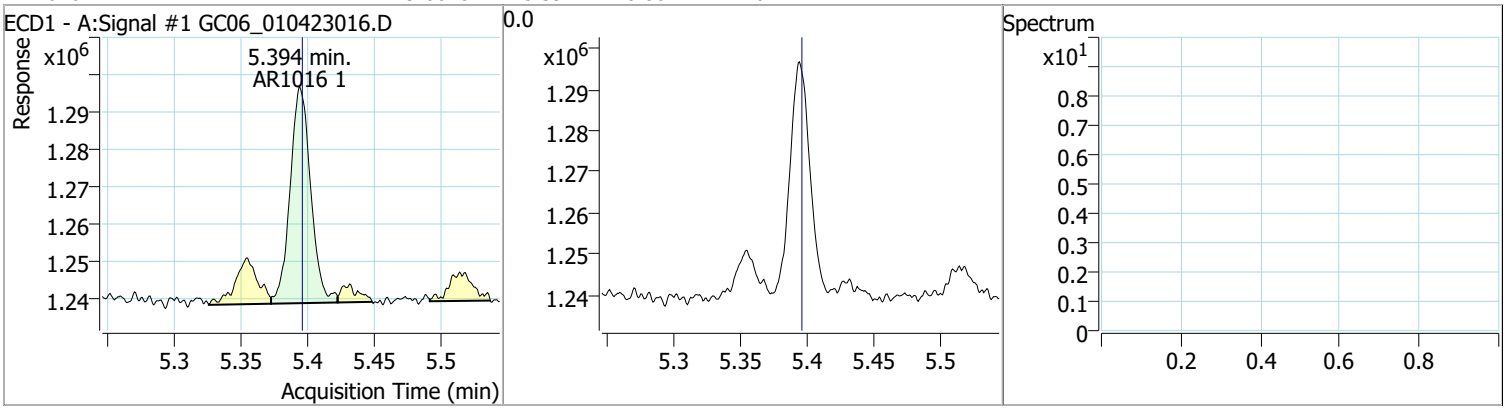
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.735	0.0	136314.398	45.4661	ng/ml		100
T AR1016 1 #2	5.925	0.0	315057.617	55.1417	ng/ml		100
T AR1016 3	6.207	0.0	169171.558	53.5002	ng/ml		100
T AR1016 4	6.347	0.0	111698.462	55.3799	ng/ml		100
T AR1016 2 #2	6.360	0.0	465763.509	56.5287	ng/ml	m	100
T AR1016 5	6.543	0.0	72441.266	54.7029	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	782413.310	53.9363	ng/ml		100
T AR1016 4 #2	7.112	0.0	596025.510	56.3045	ng/ml		100
T AR1016 5 #2	7.830	0.0	462896.758	54.5546	ng/ml		100
T AR1260 1	8.741	0.0	216272.246	52.7243	ng/ml		100
T AR1260 2	9.225	0.0	314787.067	55.0661	ng/ml		100
T AR1260 3	9.658	0.0	331302.078	51.9644	ng/ml		100
T AR1260 1 #2	9.988	0.0	854768.184	52.9792	ng/ml		100
T AR1260 4	10.142	0.0	181026.950	53.9299	ng/ml		100
T AR1260 2 #2	10.248	0.0	1089388.584	49.8493	ng/ml		100
T AR1260 5	10.514	0.0	405297.761	55.7176	ng/ml		100
T AR1260 3 #2	10.672	0.0	1334550.172	56.6841	ng/ml		100
T AR1260 4 #2	11.085	0.0	700802.843	54.1464	ng/ml	m	100
T AR1260 5 #2	11.768	0.0	1177177.291	55.2105	ng/ml		100

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

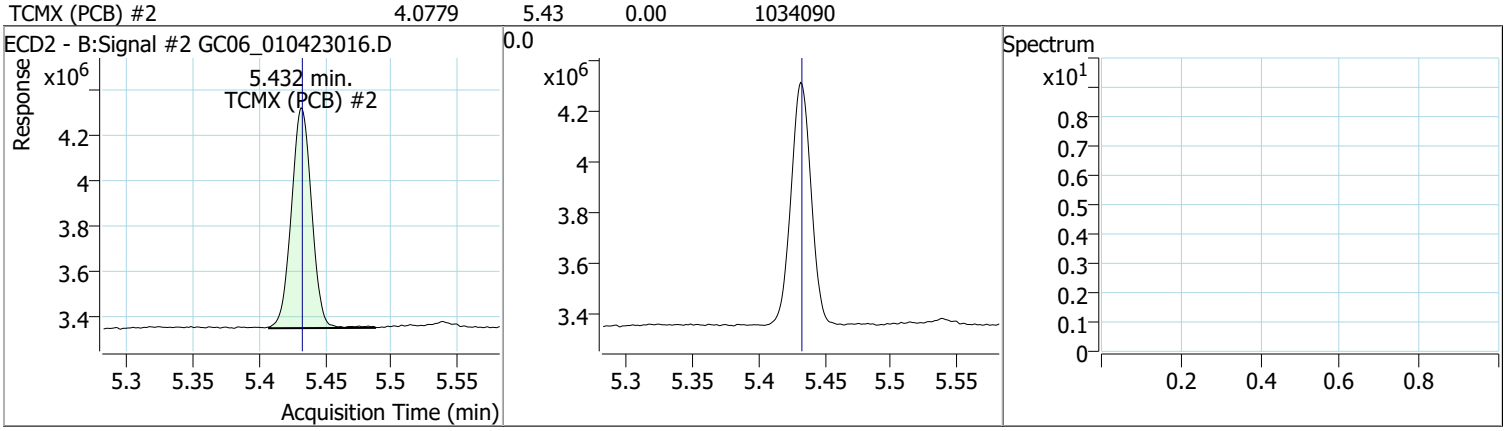
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0413	5.05	0.00	221895				



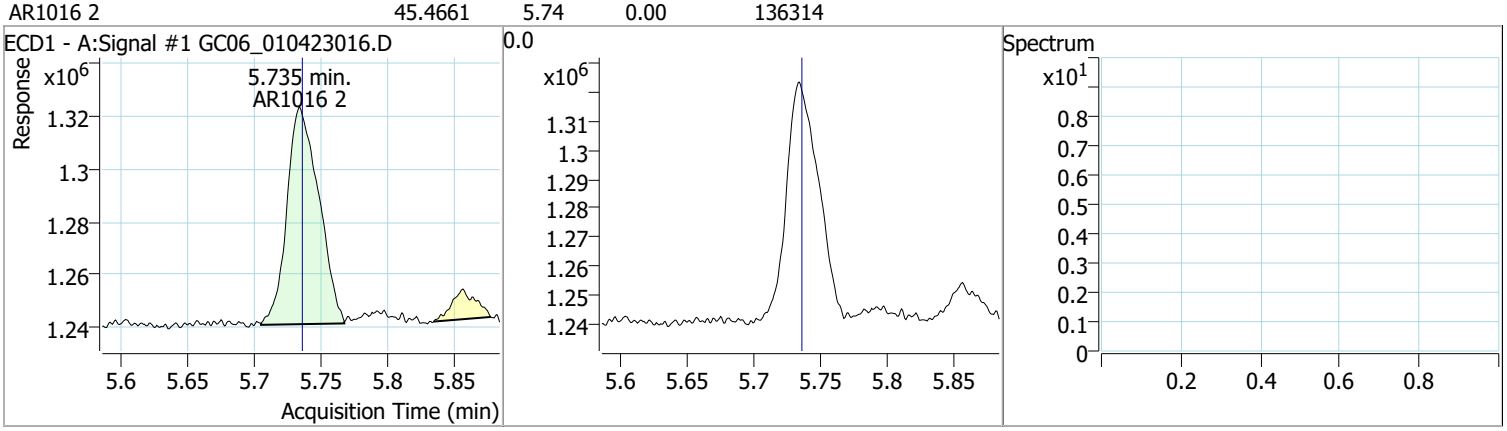
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	49.6648	5.39	0.00	62721				



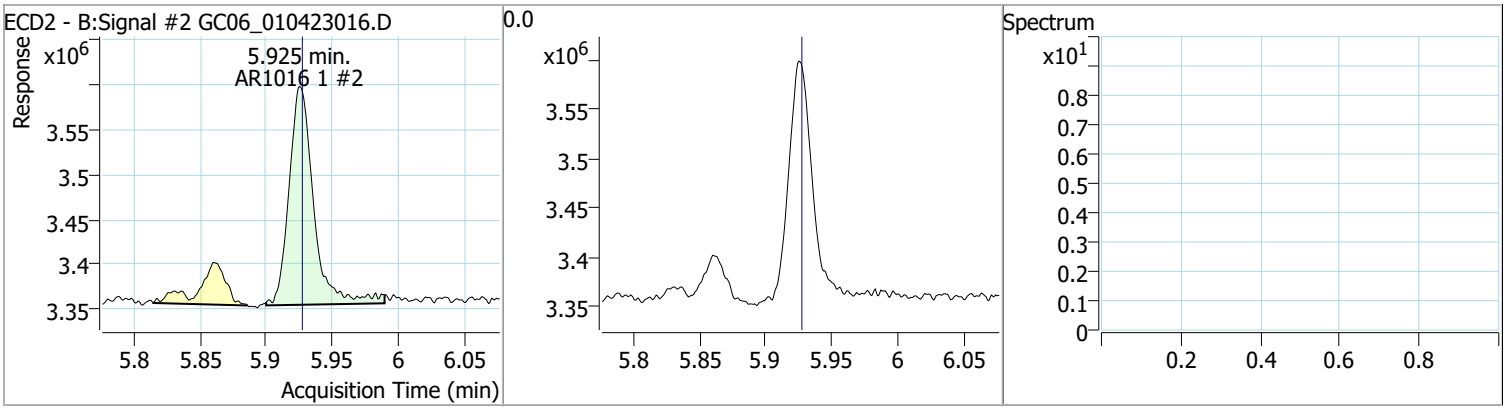
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TCMX (PCB) #2	4.0779	5.43	0.00	1034090				



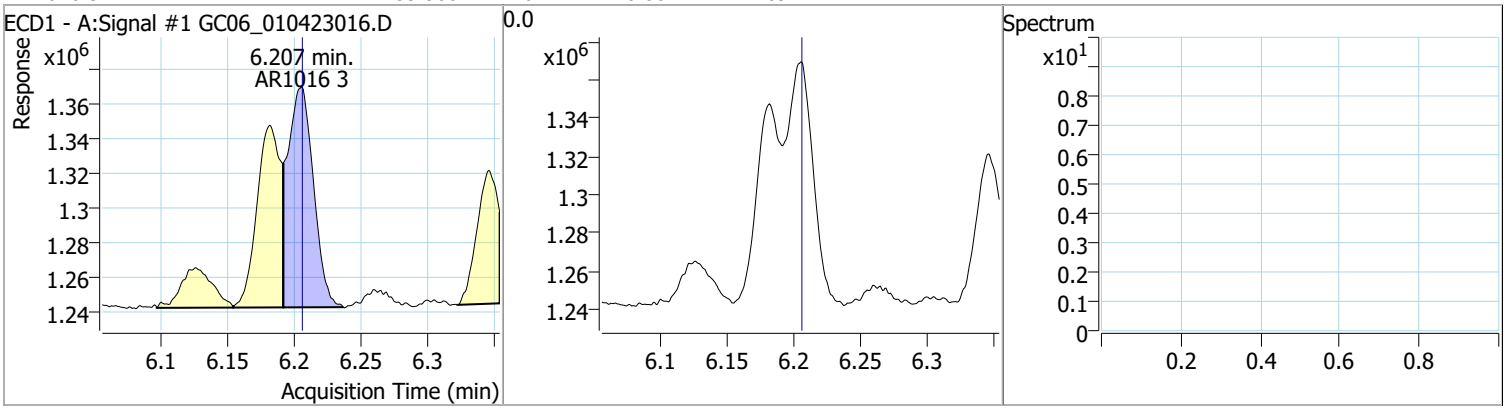
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AR1016 2	45.4661	5.74	0.00	136314				



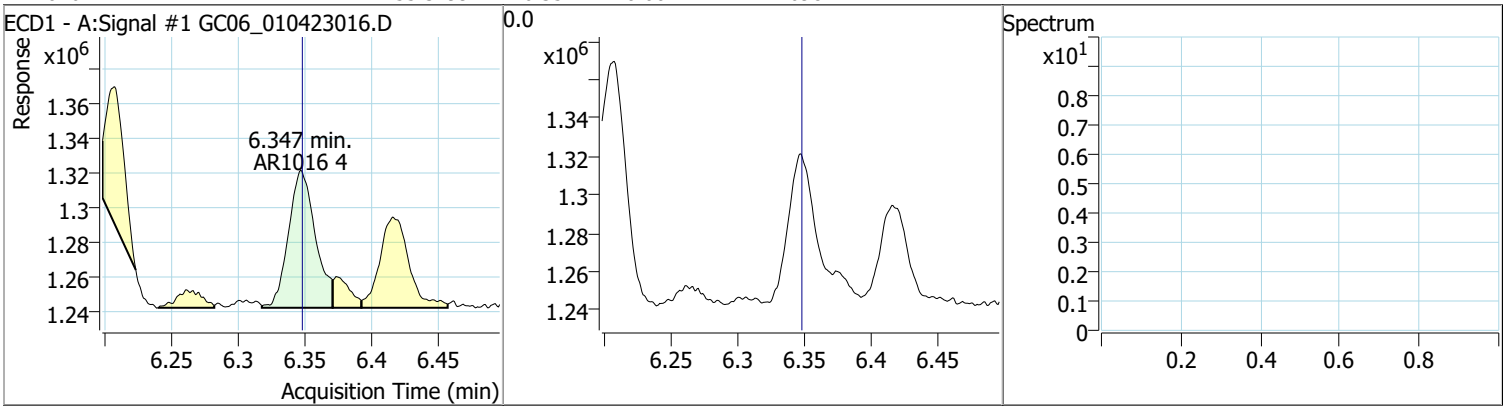
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AR1016 1 #2	55.1417	5.93	0.00	315058				



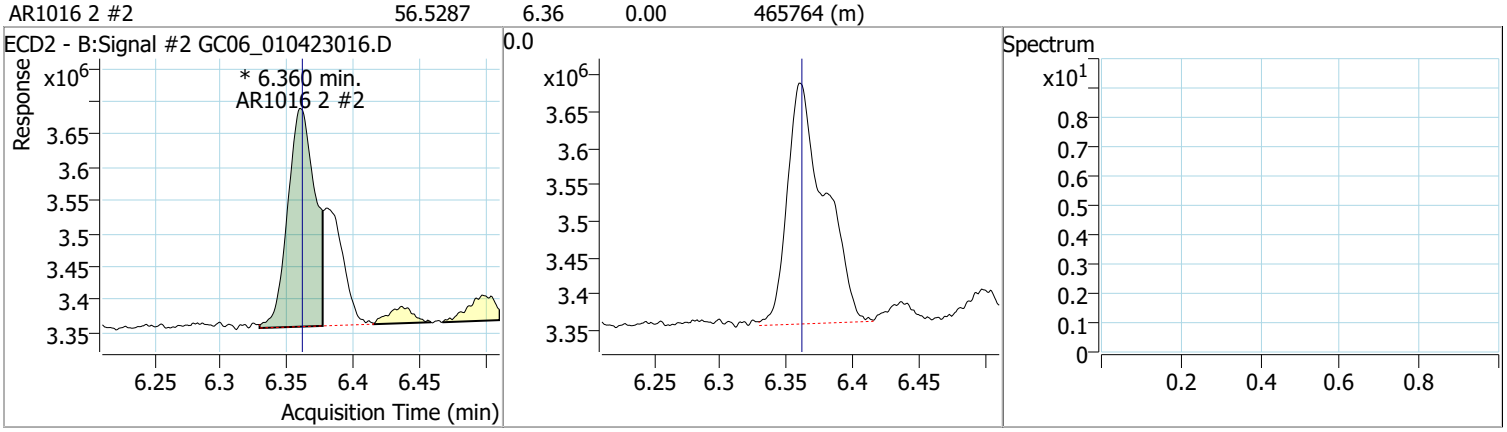
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.5002	6.21	0.00	169172				



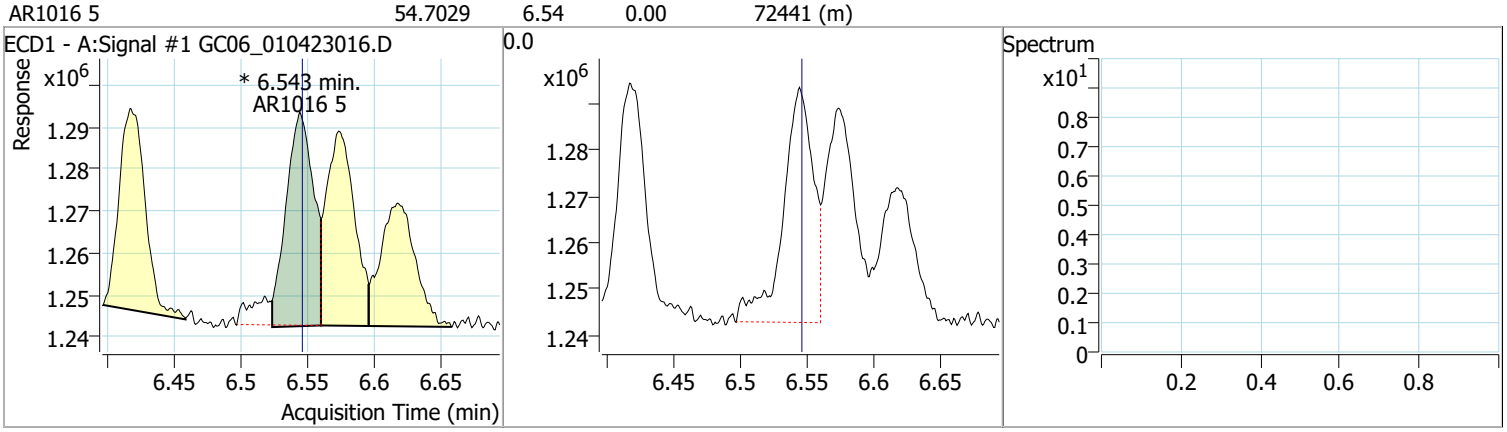
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	55.3799	6.35	0.00	111698				



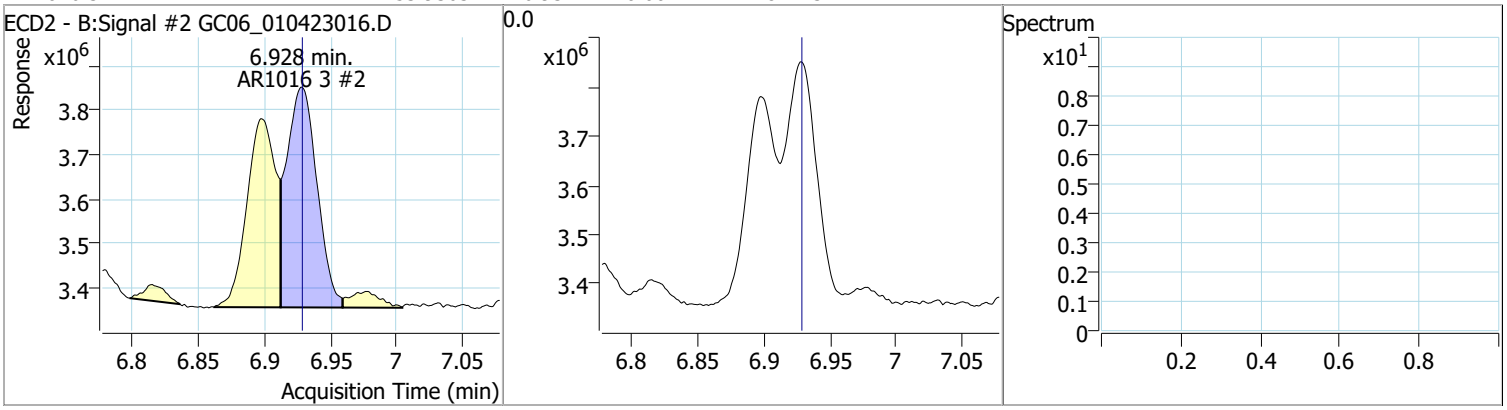
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5287	6.36	0.00	465764 (m)				



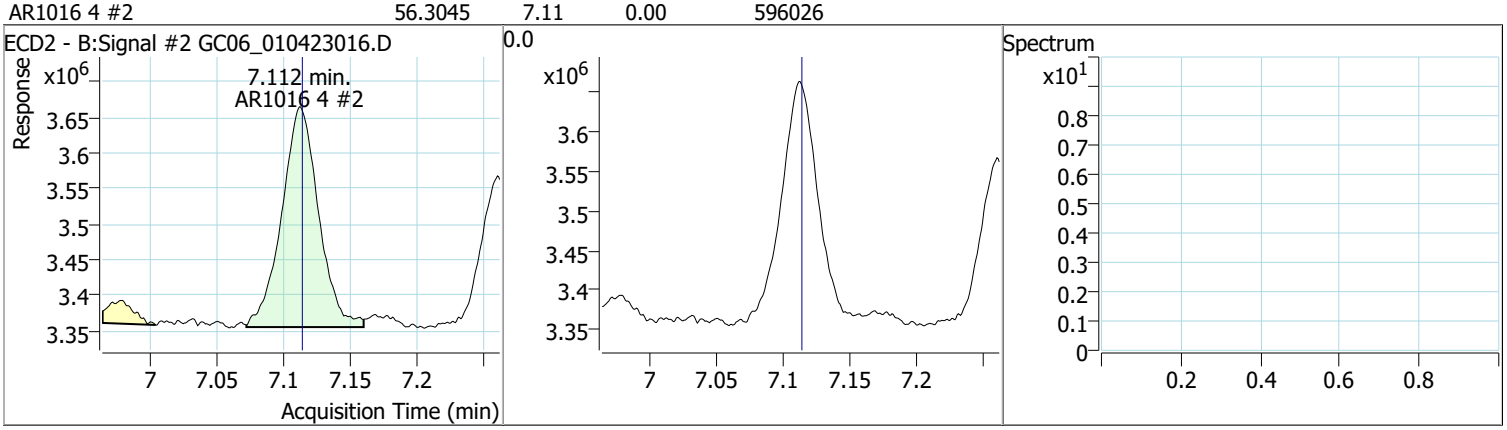
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.7029	6.54	0.00	72441 (m)				



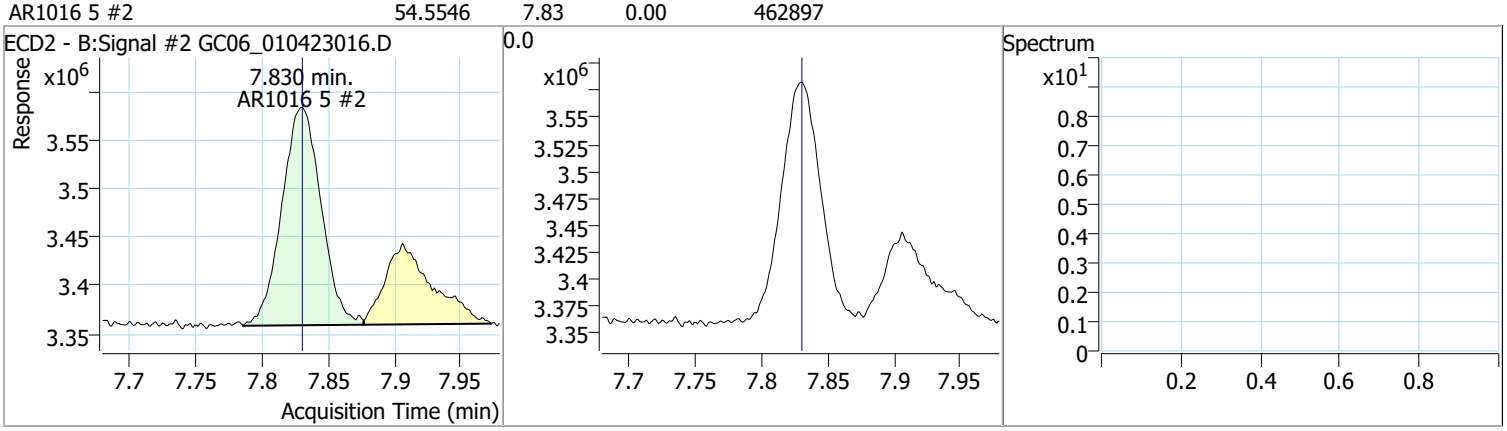
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AR1016 3 #2	53.9363	6.93	0.00	782413				



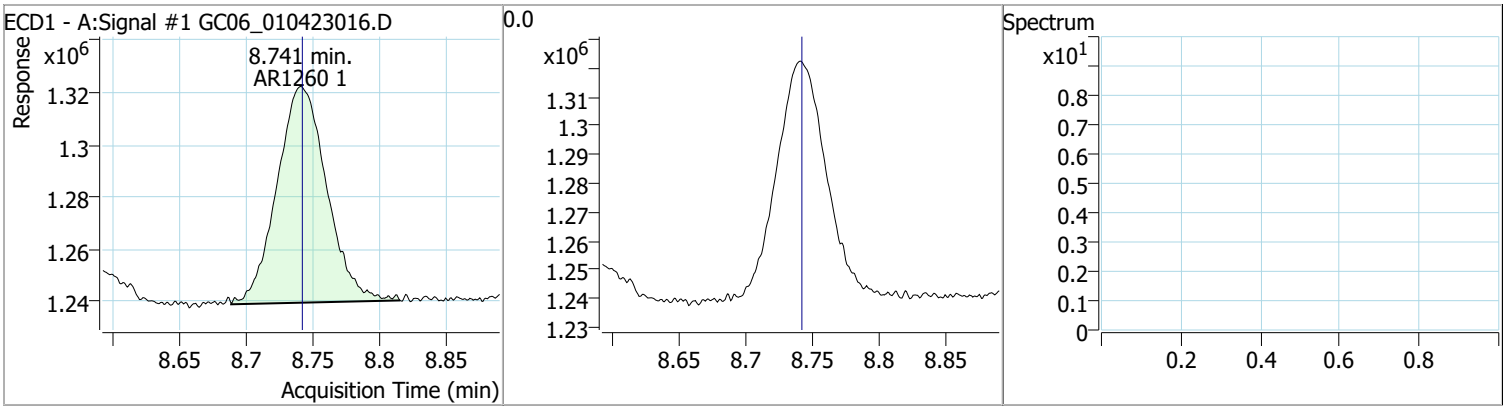
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AR1016 4 #2	56.3045	7.11	0.00	596026				



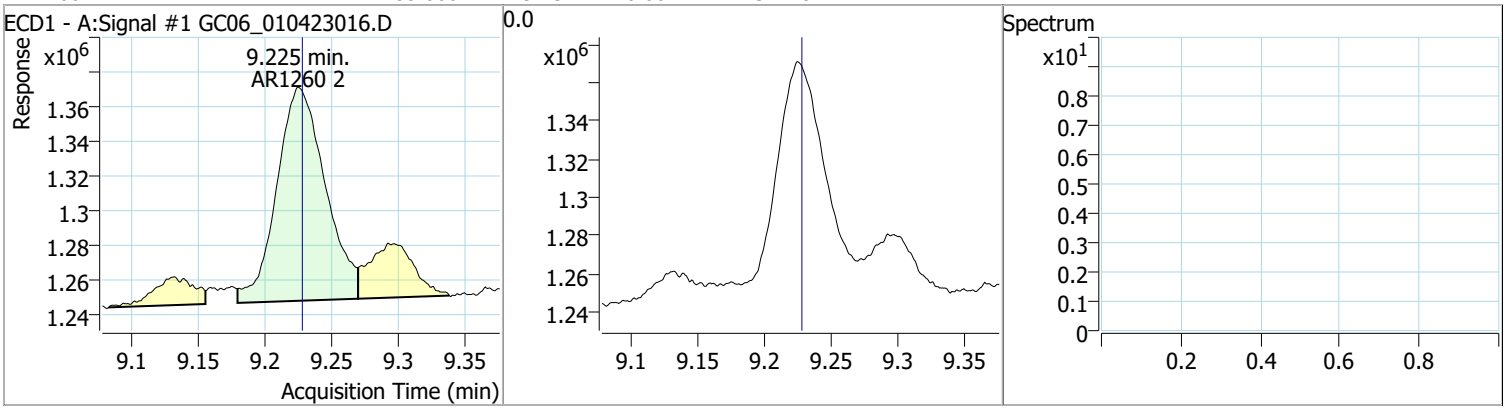
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.5546	7.83	0.00	462897				



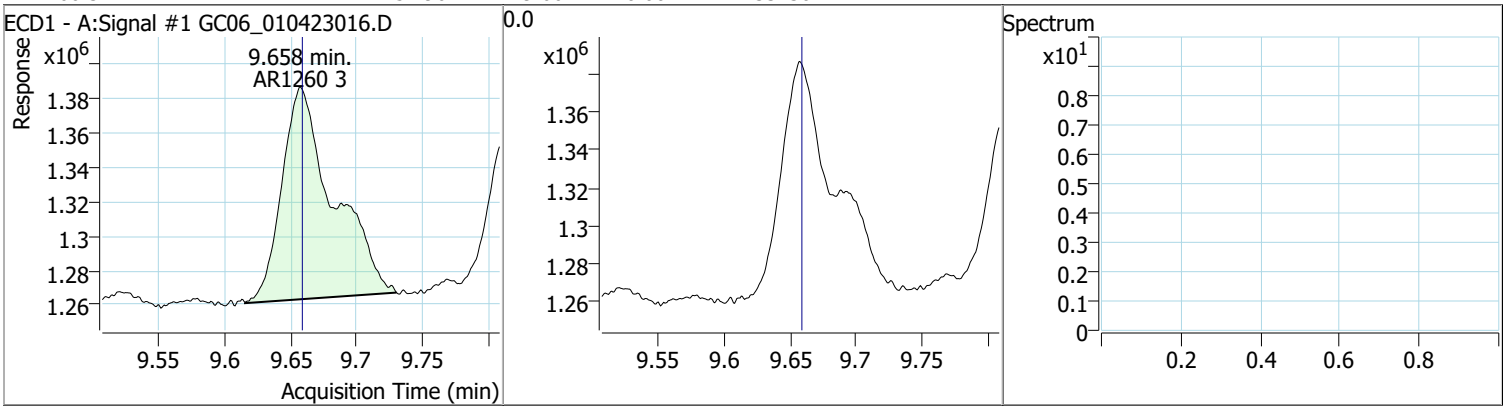
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	52.7243	8.74	0.00	216272				



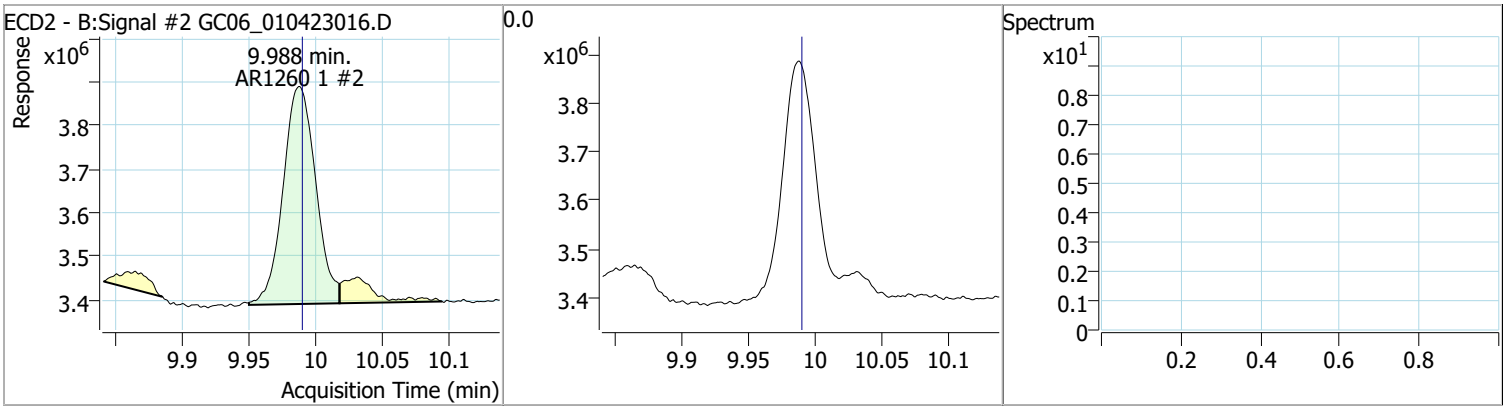
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	55.0661	9.23	0.00	314787				



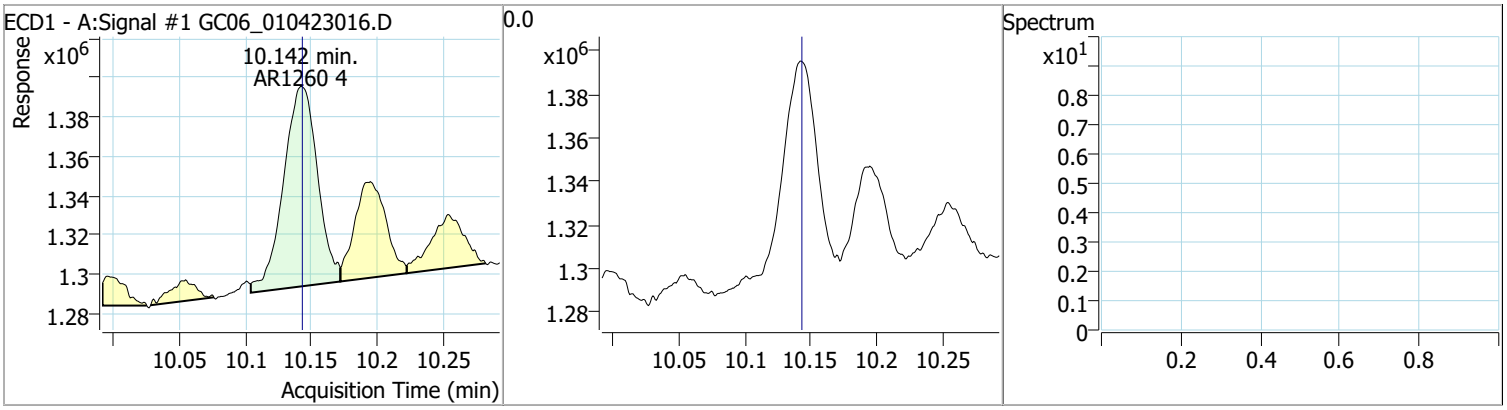
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	51.9644	9.66	0.00	331302				



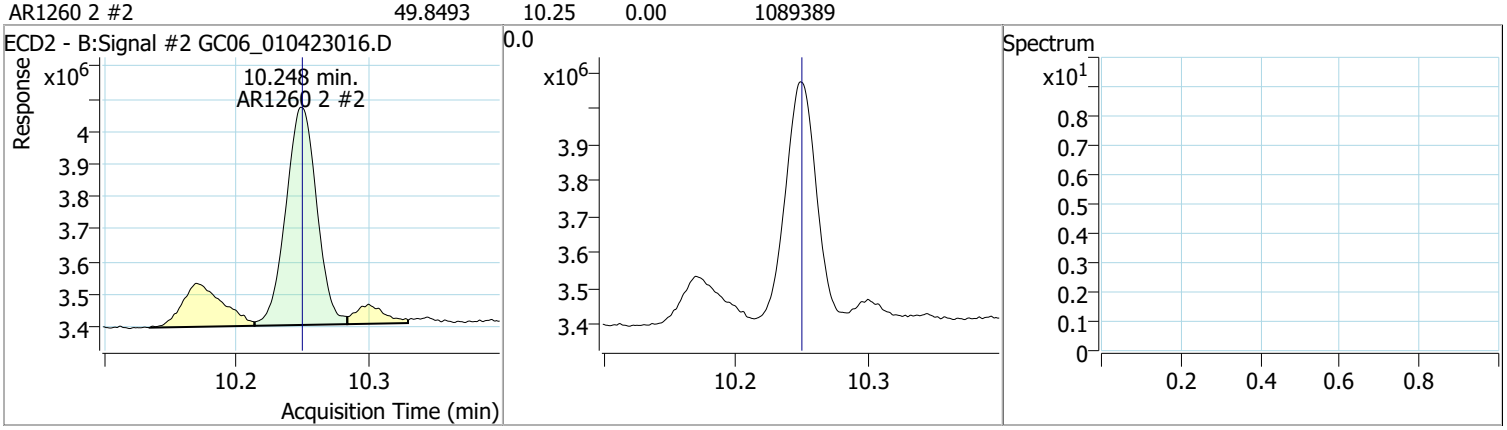
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AR1260 1 #2	52.9792	9.99	0.00	854768				



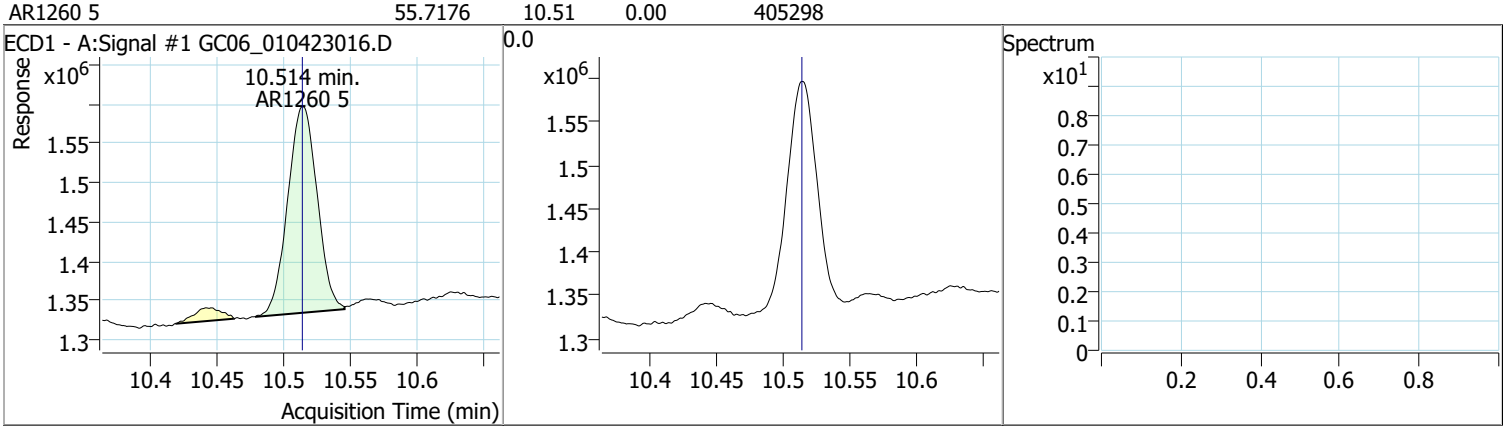
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	53.9299	10.14	0.00	181027				



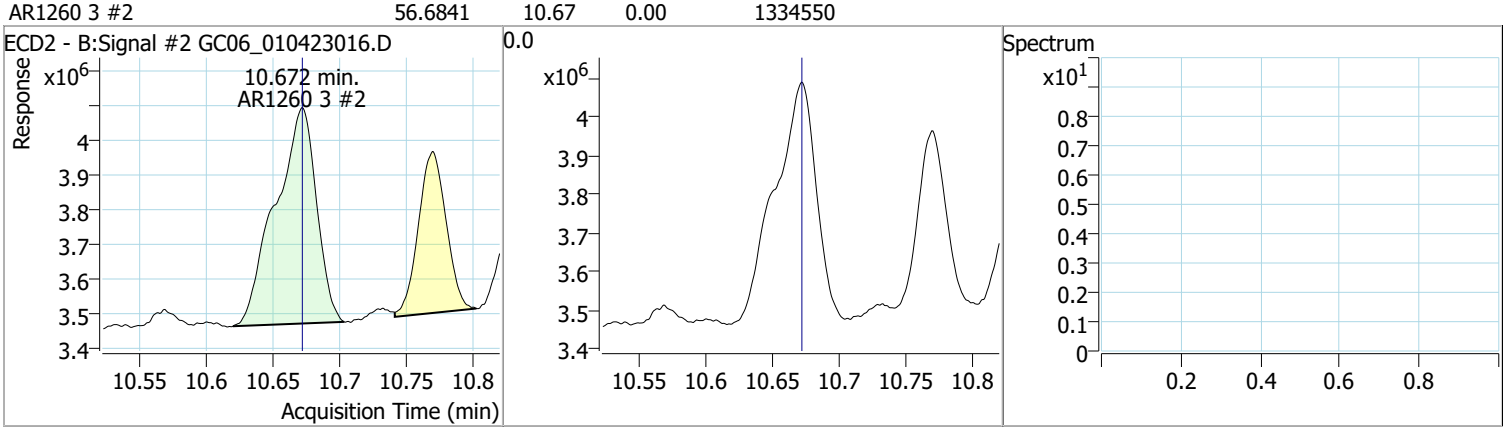
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	49.8493	10.25	0.00	1089389				



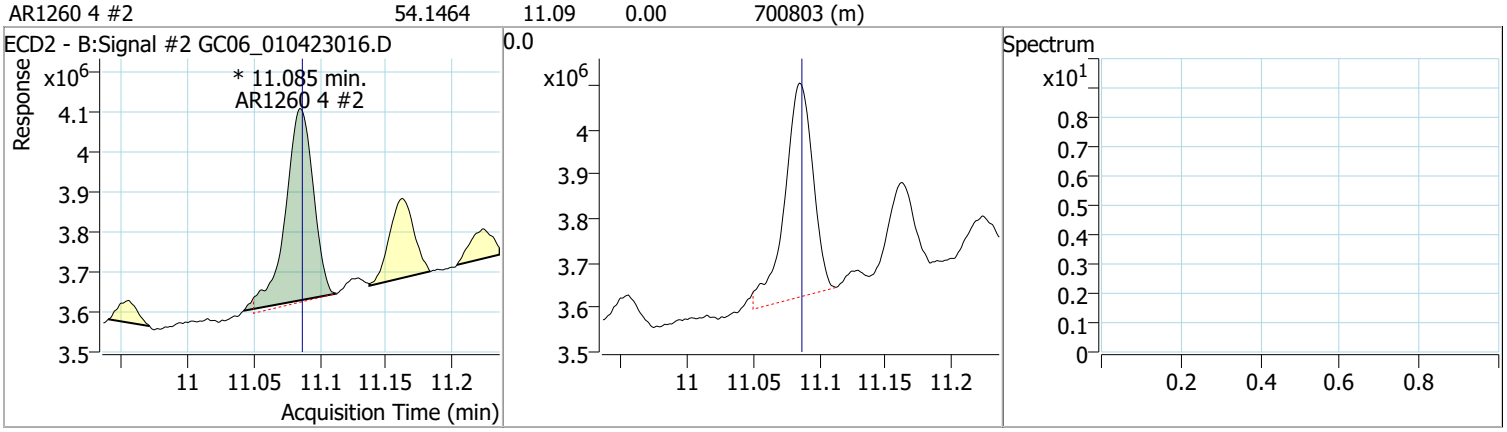
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	55.7176	10.51	0.00	405298				



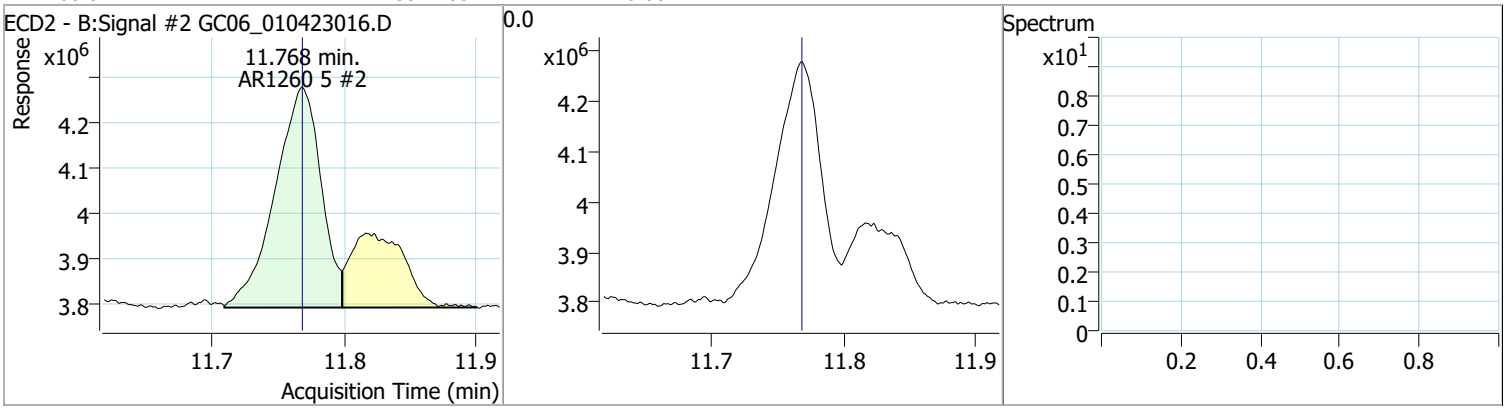
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	56.6841	10.67	0.00	1334550				



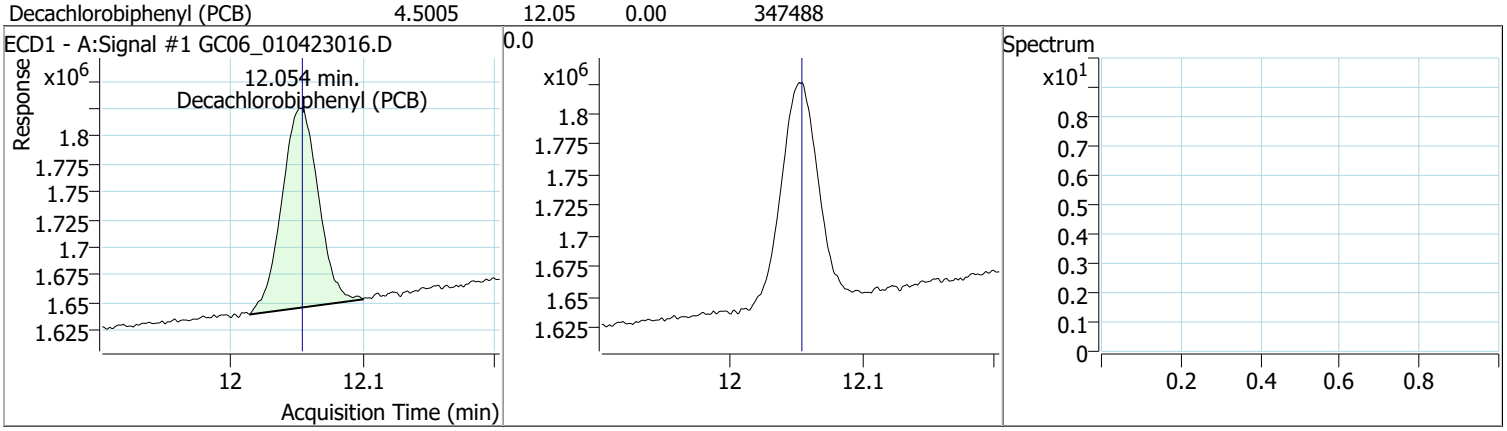
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	54.1464	11.09	0.00	700803 (m)				



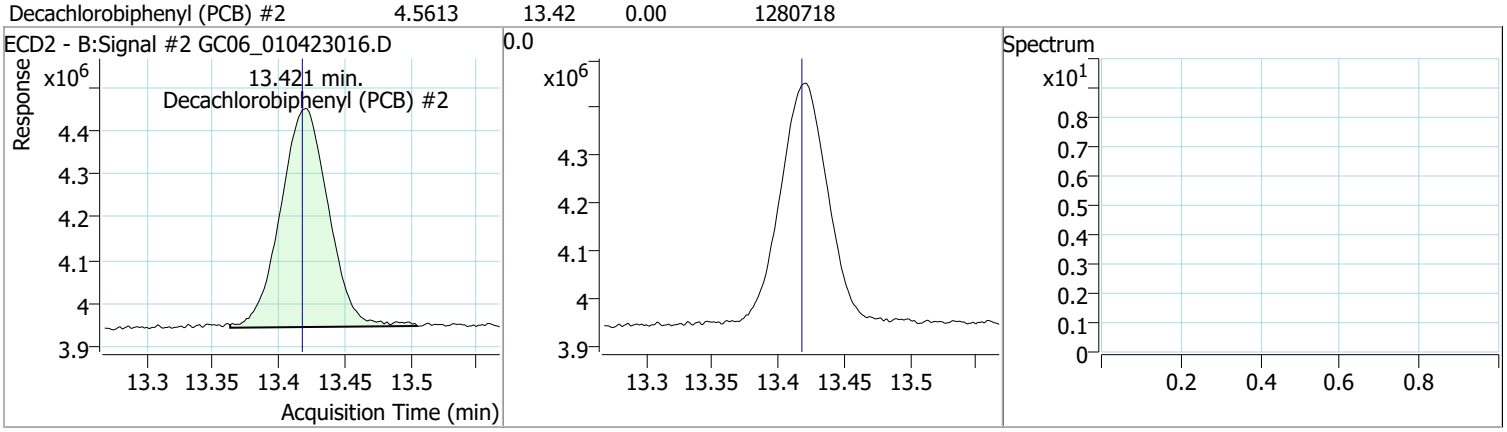
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.2105	11.77	0.00	1177177				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.5005	12.05	0.00	347488				

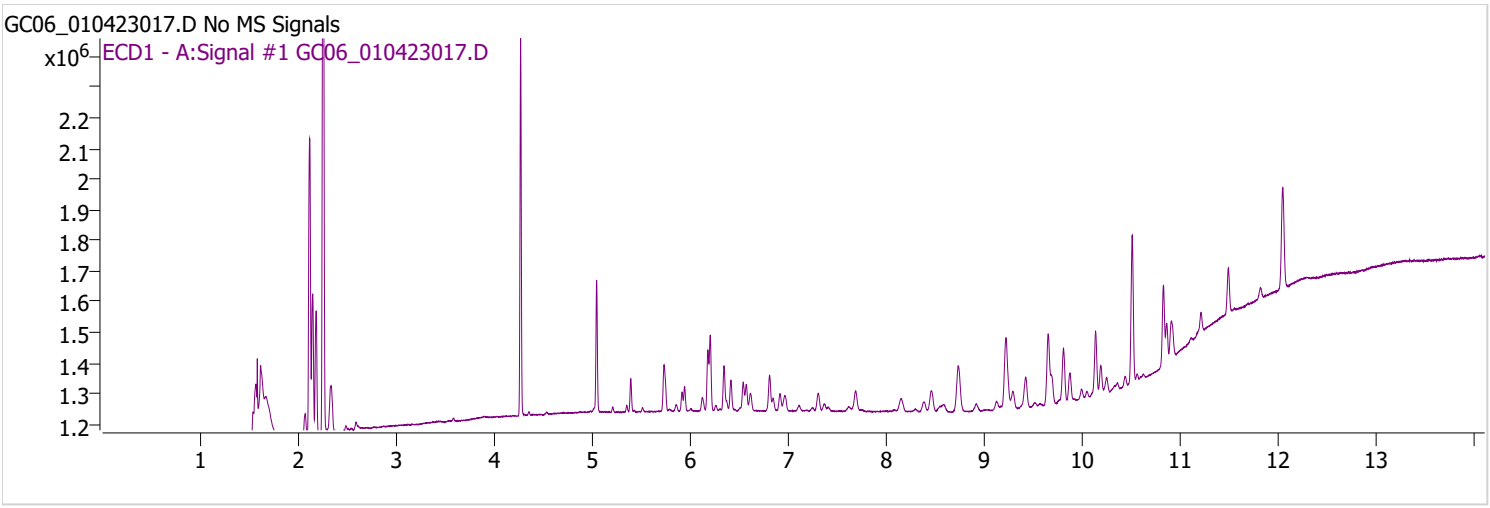


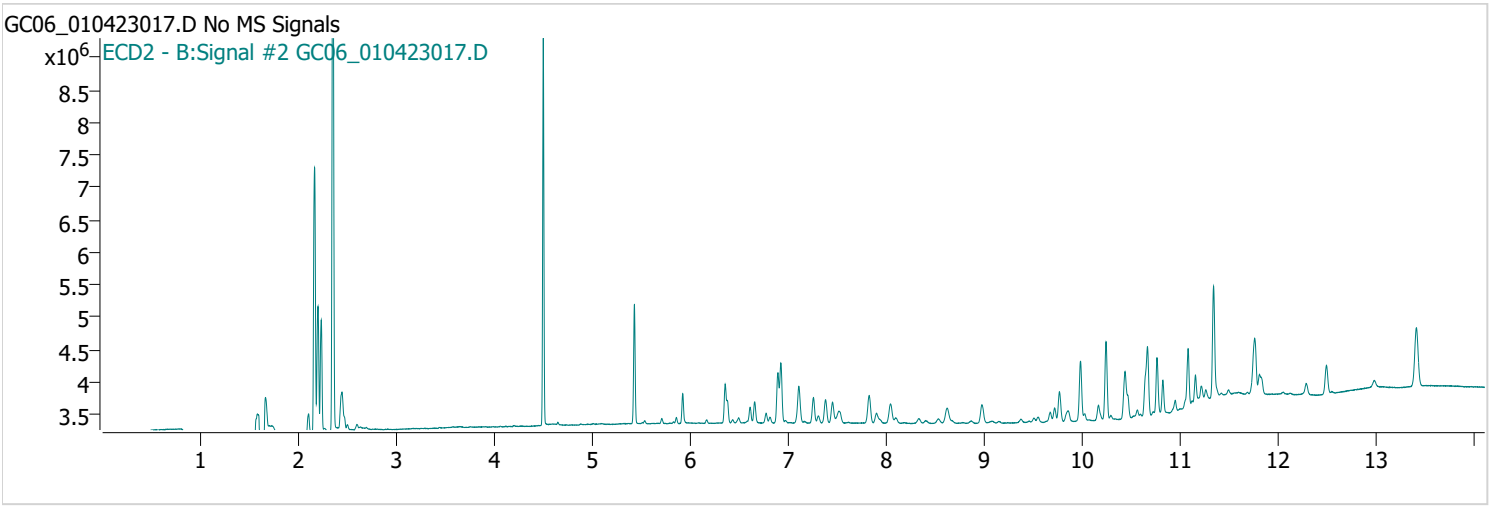
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.5613	13.42	0.00	1280718				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 4:26:20 PM
Sample Name	ICAL, S17799	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



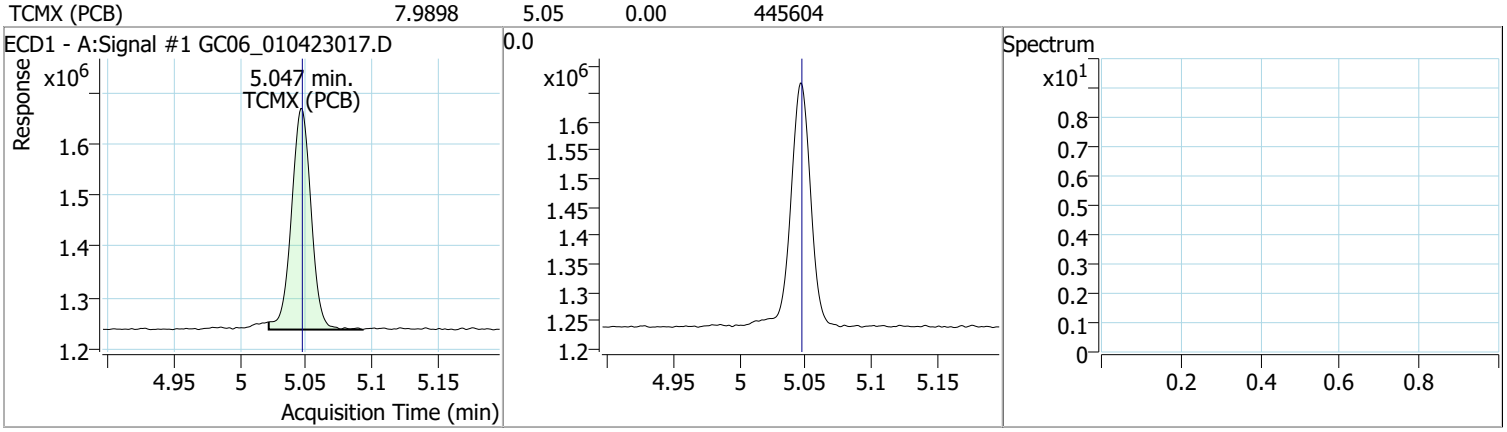


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1125483.274	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5232043.309	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.047	0.0	445604.083	7.9898	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.95%		*	
S TCMX (PCB) #2	5.433	0.0	1986452.417	7.7443	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.72%		*	
S Decachlorobiphenyl (PCB)	12.054	0.0	612541.589	7.8105	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.05%		*	
S Decachlorobiphenyl (PCB) #2	13.420	0.0	2238240.571	7.8807	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.40%		*	
Target Compounds							QValue
T AR1016 1	5.395	0.0	120150.297	93.6648	ng/ml		100

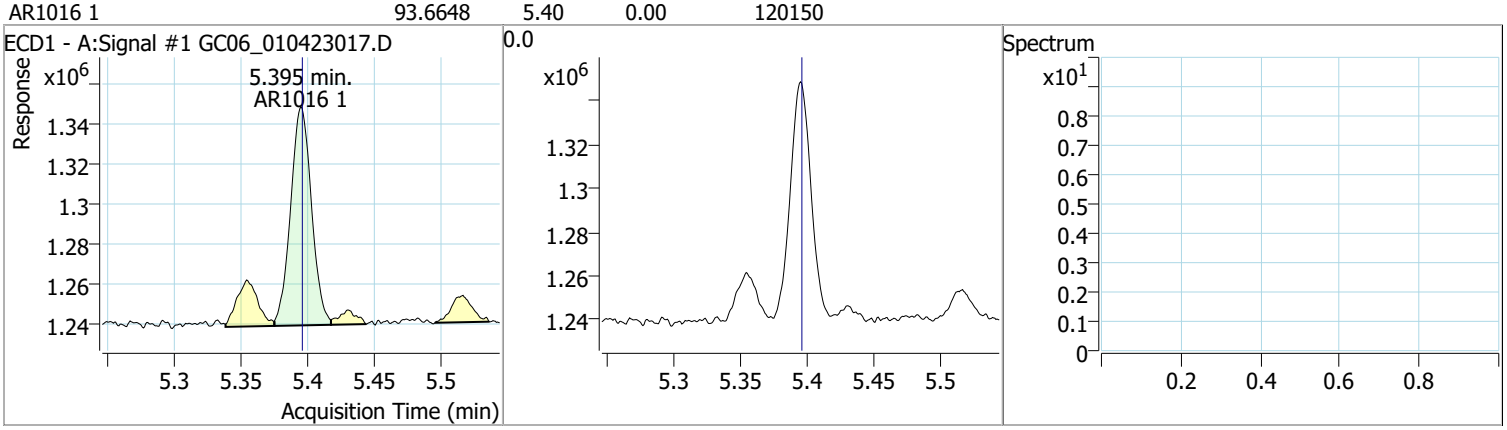
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.735	0.0	264803.140	96.9421	ng/ml		100
T AR1016 1 #2	5.926	0.0	576524.636	99.7544	ng/ml		100
T AR1016 3	6.207	0.0	316533.912	98.5525	ng/ml		100
T AR1016 4	6.348	0.0	205571.874	100.3432	ng/ml	m	100
T AR1016 2 #2	6.359	0.0	883740.818	106.0359	ng/ml	m	100
T AR1016 5	6.543	0.0	138004.692	102.5976	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	1516994.956	103.3839	ng/ml		100
T AR1016 4 #2	7.112	0.0	1099907.662	102.7208	ng/ml		100
T AR1016 5 #2	7.831	0.0	876671.298	102.1429	ng/ml		100
T AR1260 1	8.738	0.0	394765.660	94.7477	ng/ml		100
T AR1260 2	9.227	0.0	590457.313	101.6893	ng/ml		100
T AR1260 3	9.658	0.0	567469.844	87.6283	ng/ml		100
T AR1260 1 #2	9.988	0.0	1600088.322	98.0449	ng/ml		100
T AR1260 4	10.142	0.0	348826.904	102.3095	ng/ml		100
T AR1260 2 #2	10.249	0.0	1946382.861	99.5543	ng/ml		100
T AR1260 5	10.516	0.0	761803.309	103.1050	ng/ml		100
T AR1260 3 #2	10.673	0.0	2416579.354	101.4733	ng/ml		100
T AR1260 4 #2	11.088	0.0	1247221.873	95.2668	ng/ml		100
T AR1260 5 #2	11.768	0.0	2062703.690	95.6402	ng/ml		100

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

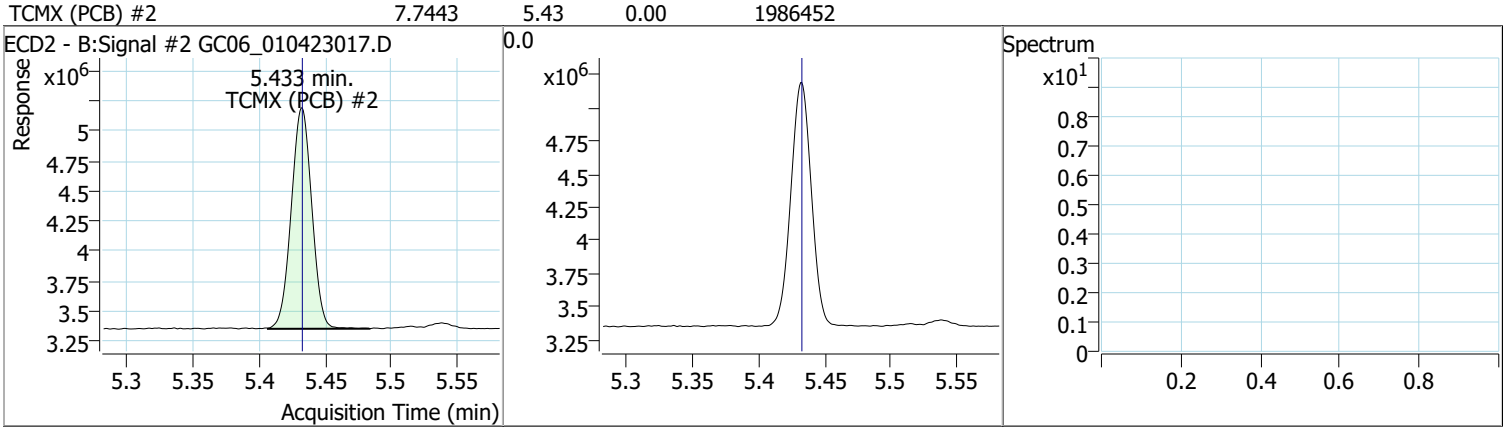
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.9898	5.05	0.00	445604				



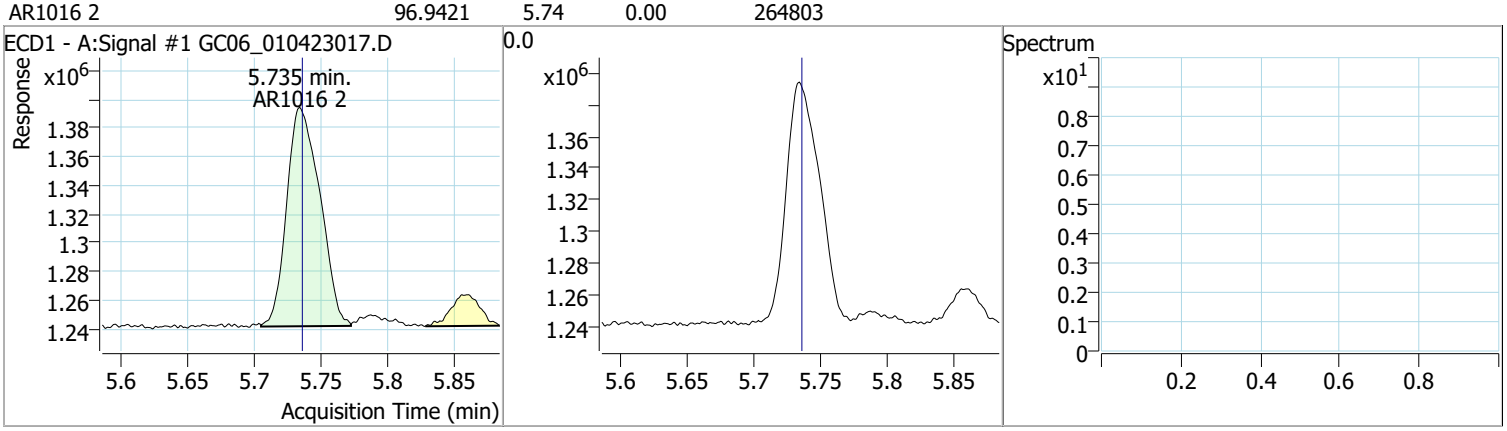
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	93.6648	5.40	0.00	120150				



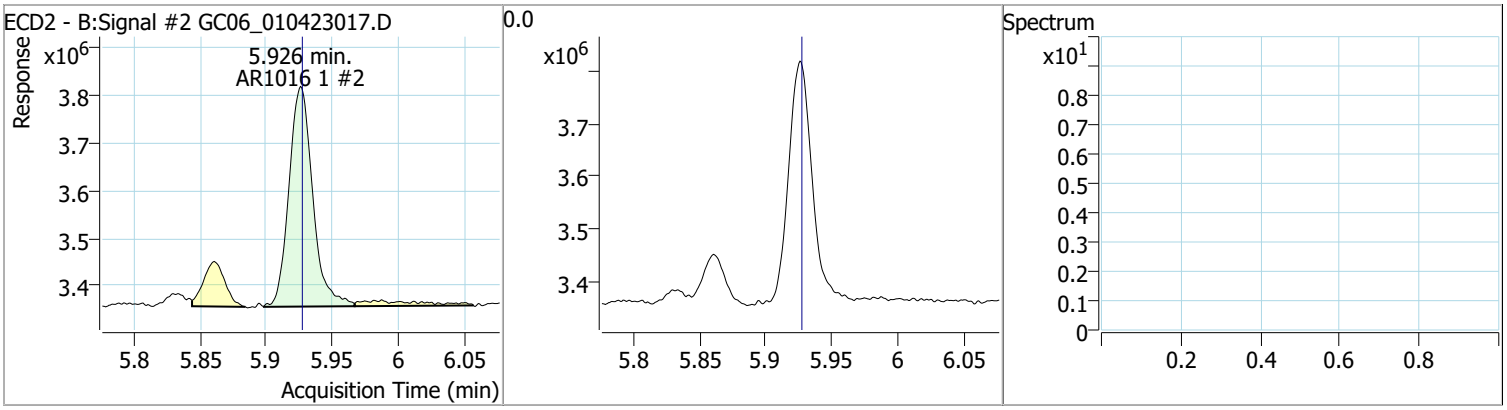
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7443	5.43	0.00	1986452				



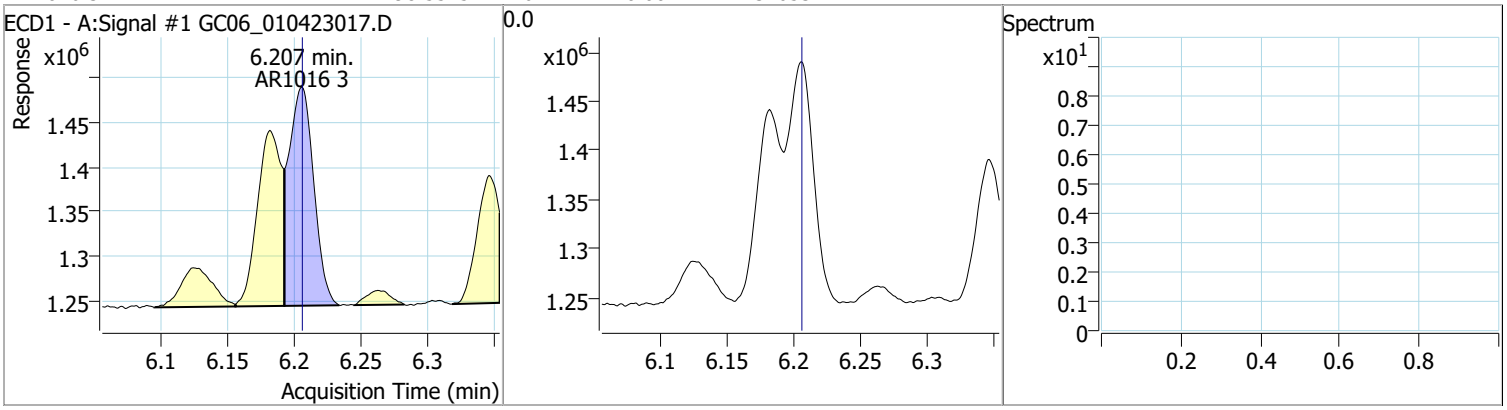
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	96.9421	5.74	0.00	264803				



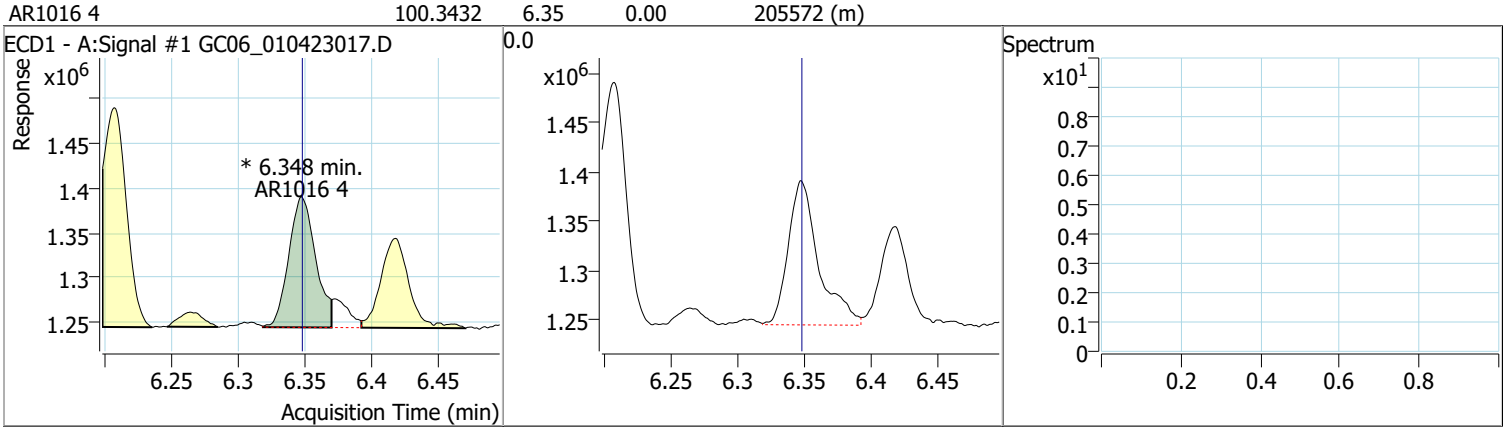
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	99.7544	5.93	0.00	576525				



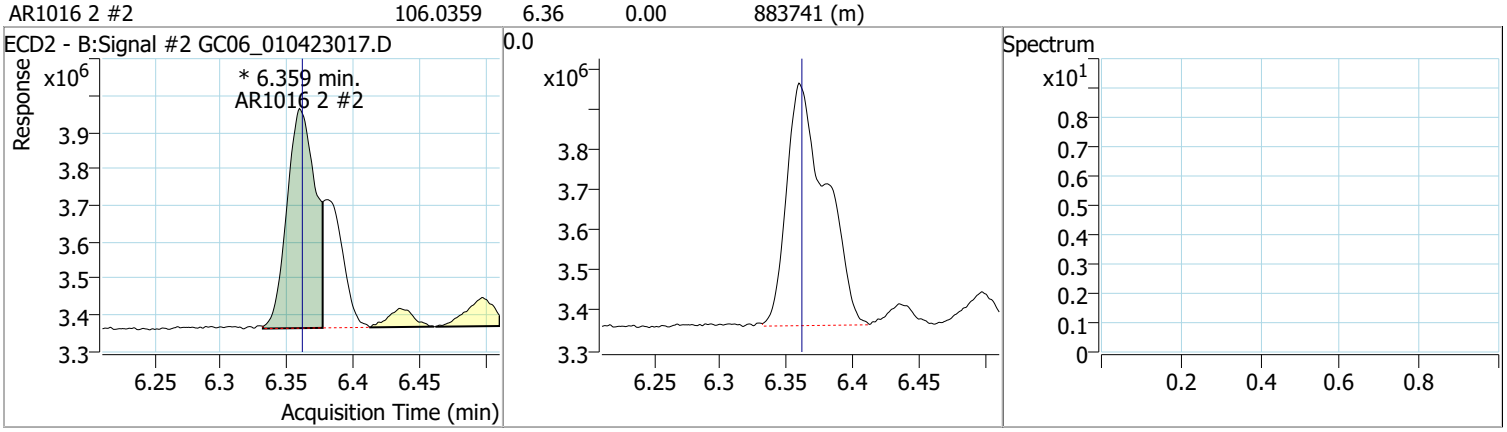
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	98.5525	6.21	0.00	316534				



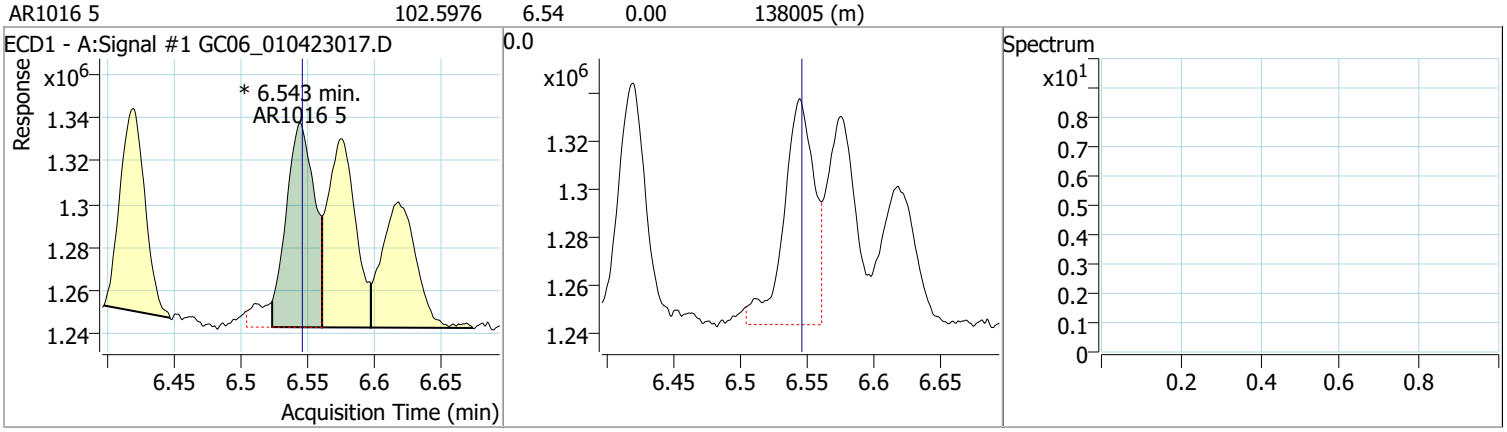
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	100.3432	6.35	0.00	205572 (m)				



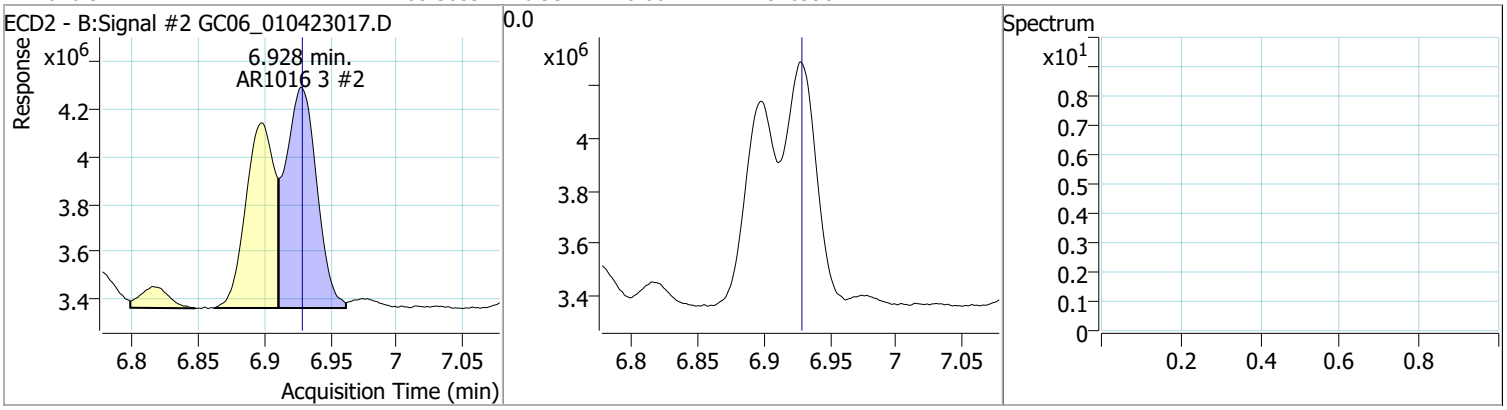
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	106.0359	6.36	0.00	883741 (m)				



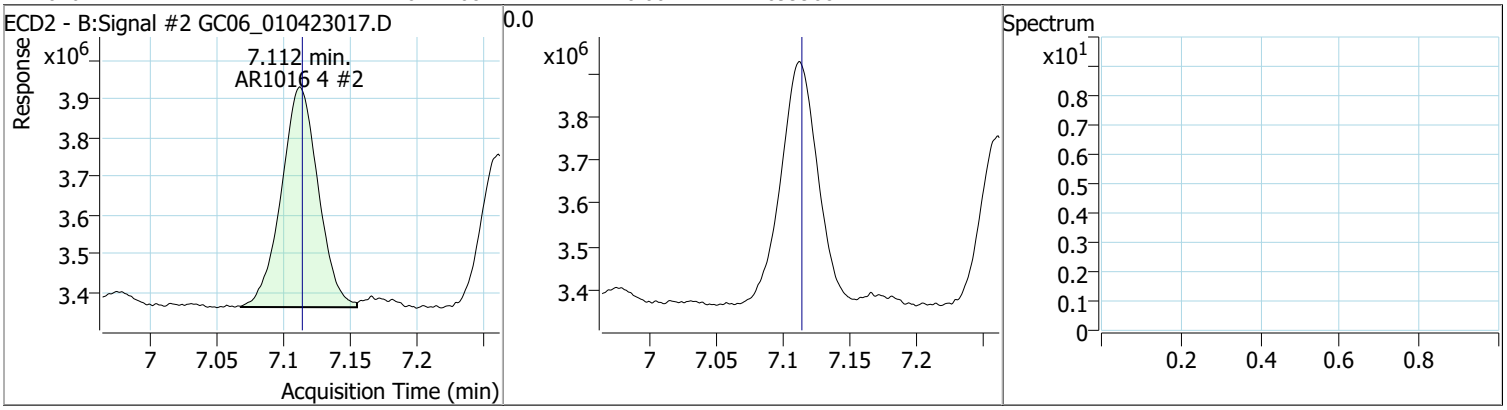
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	102.5976	6.54	0.00	138005 (m)				



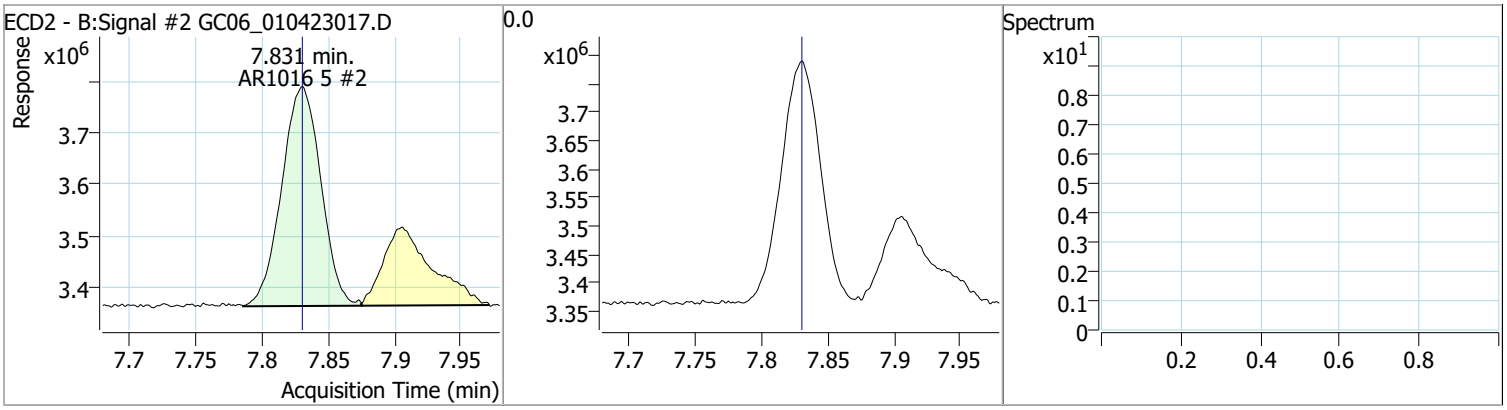
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	103.3839	6.93	0.00	1516995				



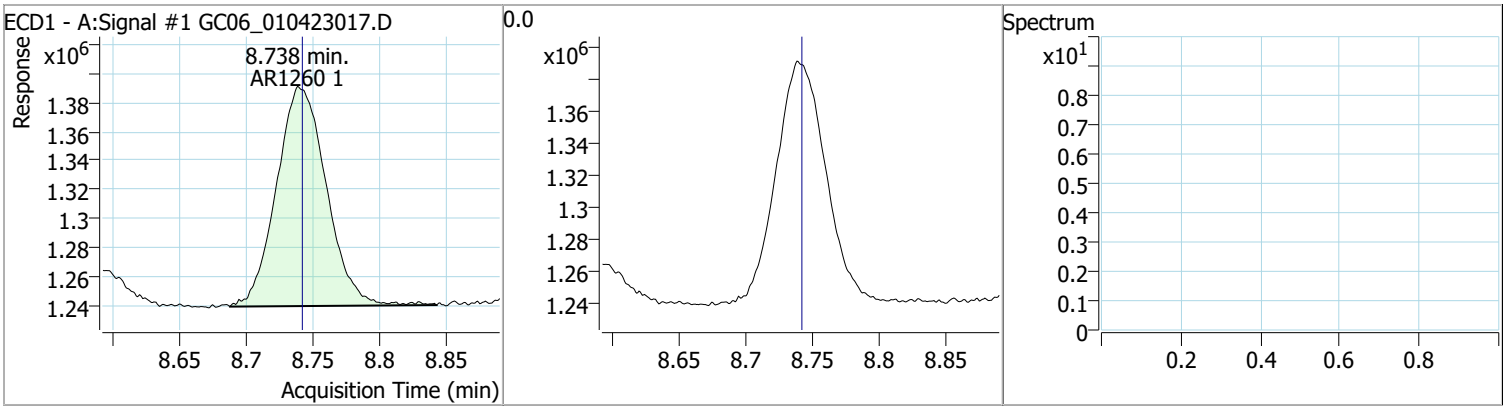
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AR1016 4 #2	102.7208	7.11	0.00	1099908				



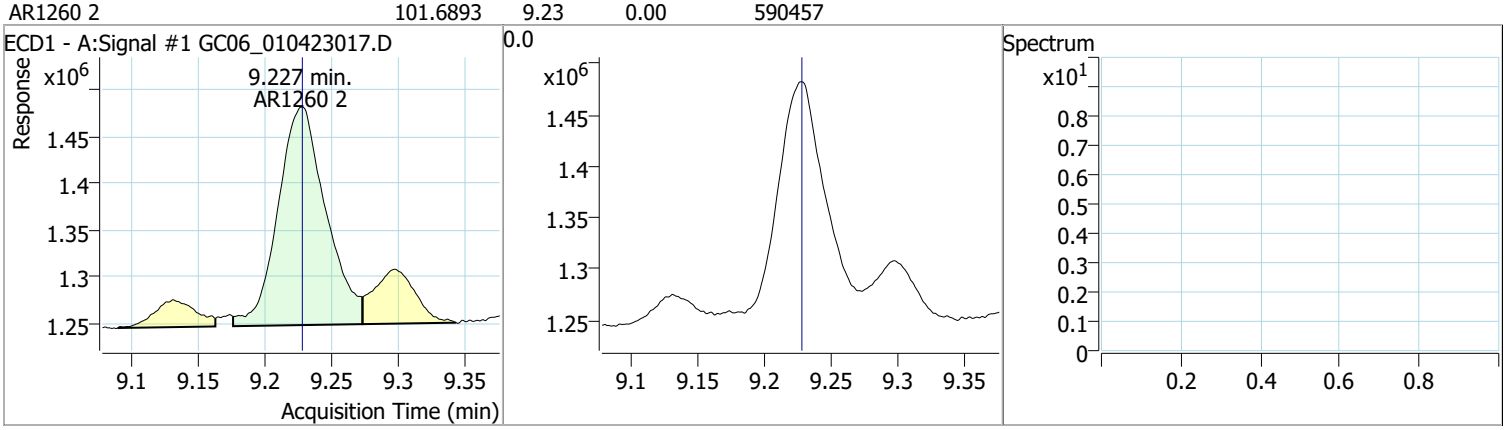
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AR1016 5 #2	102.1429	7.83	0.00	876671				



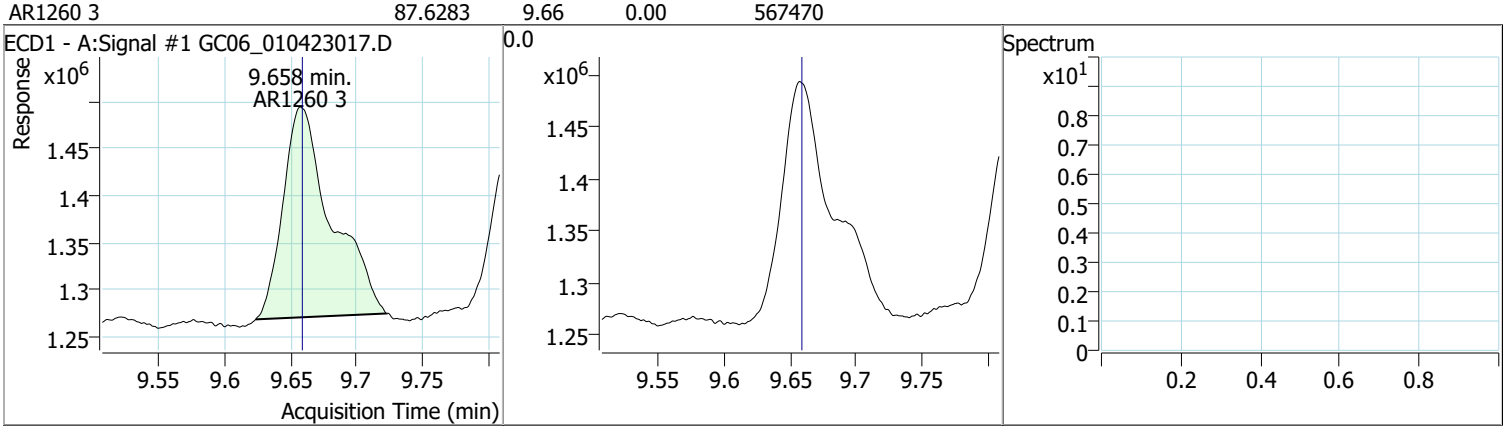
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	94.7477	8.74	0.00	394766				



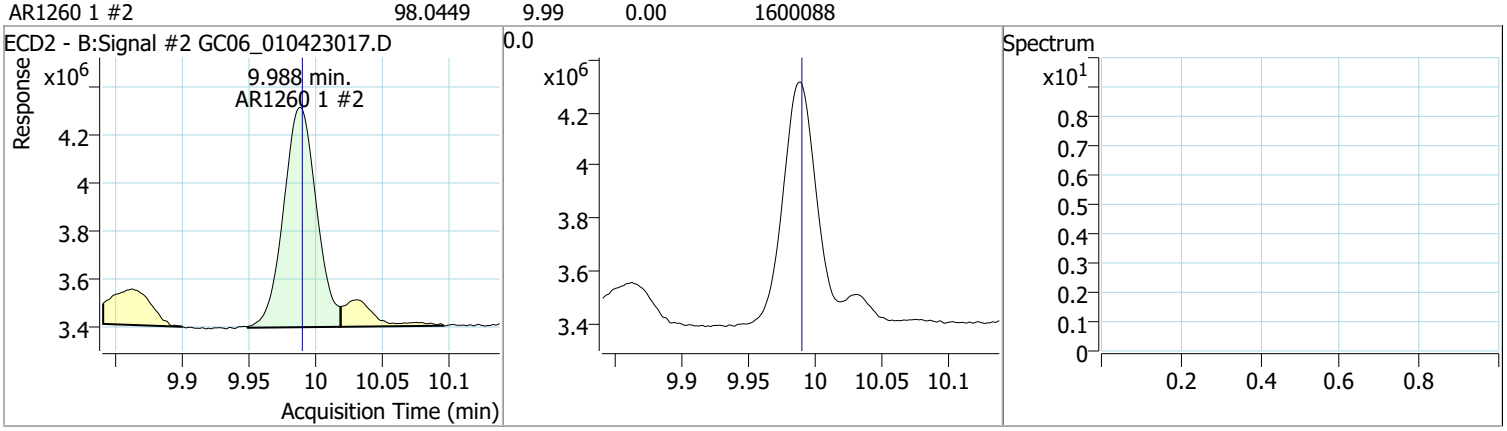
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	101.6893	9.23	0.00	590457				



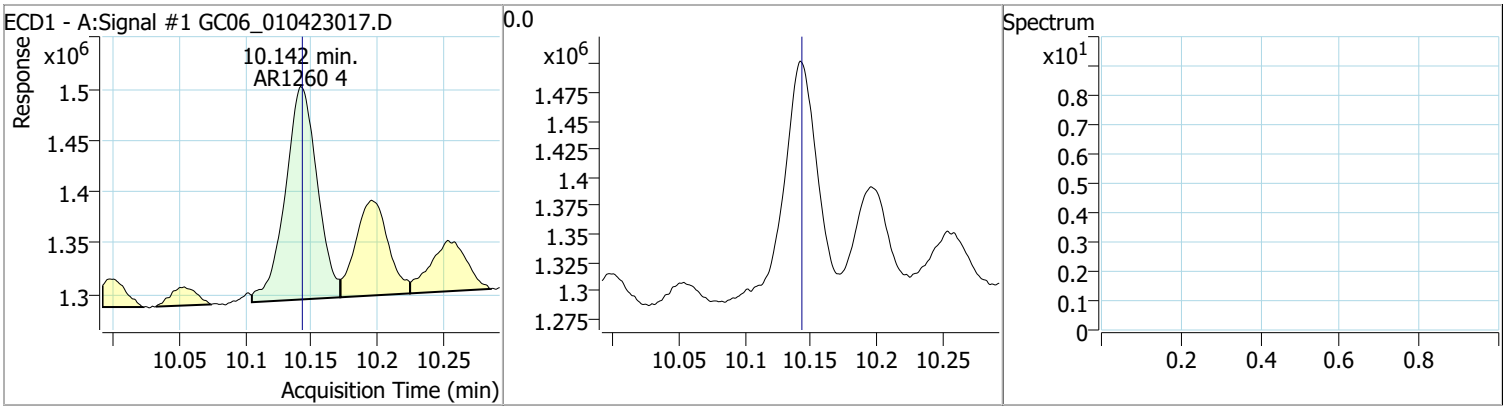
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	87.6283	9.66	0.00	567470				



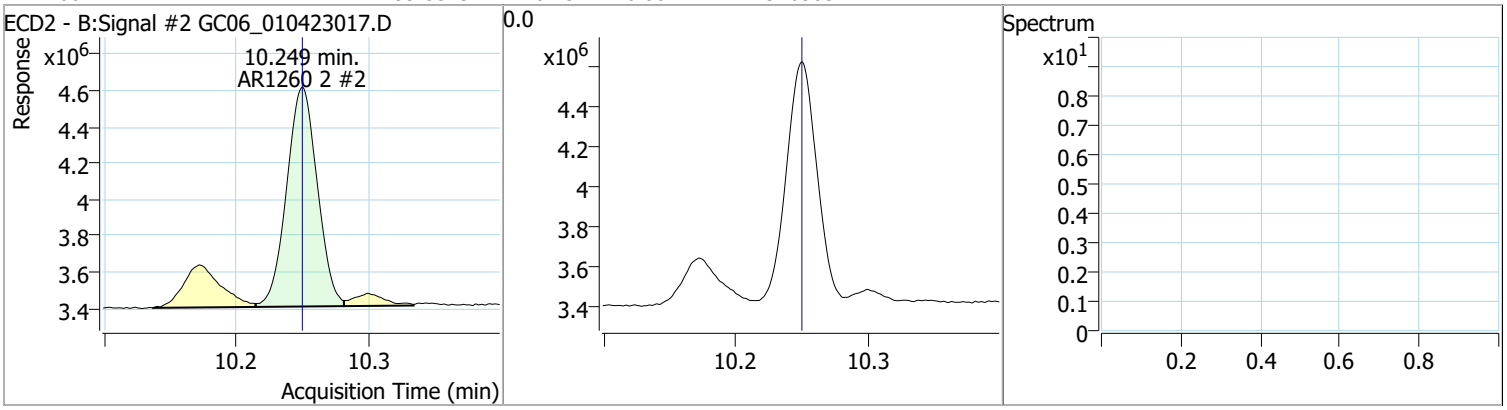
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	98.0449	9.99	0.00	1600088				



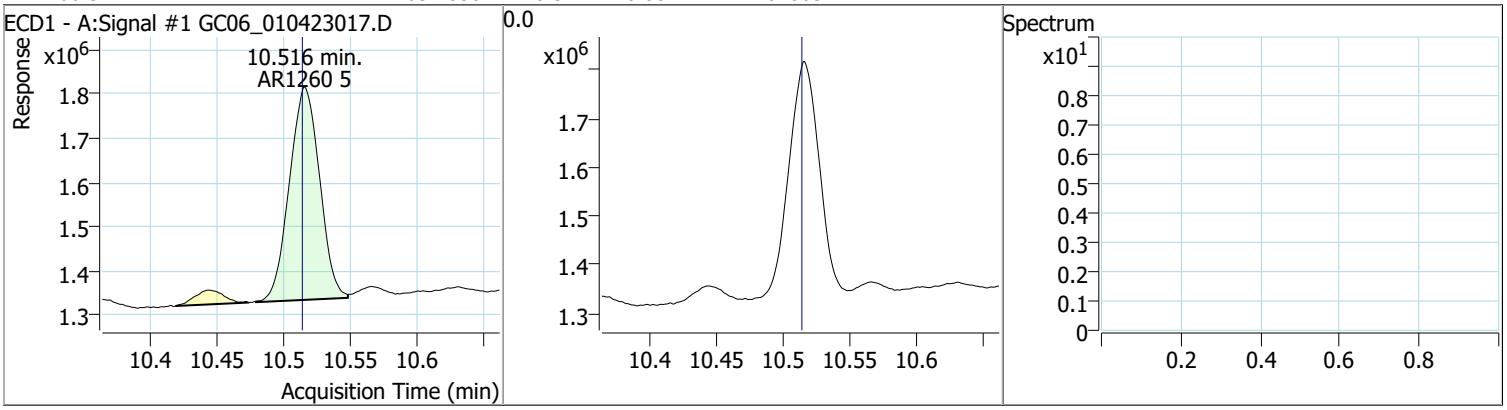
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	102.3095	10.14	0.00	348827				



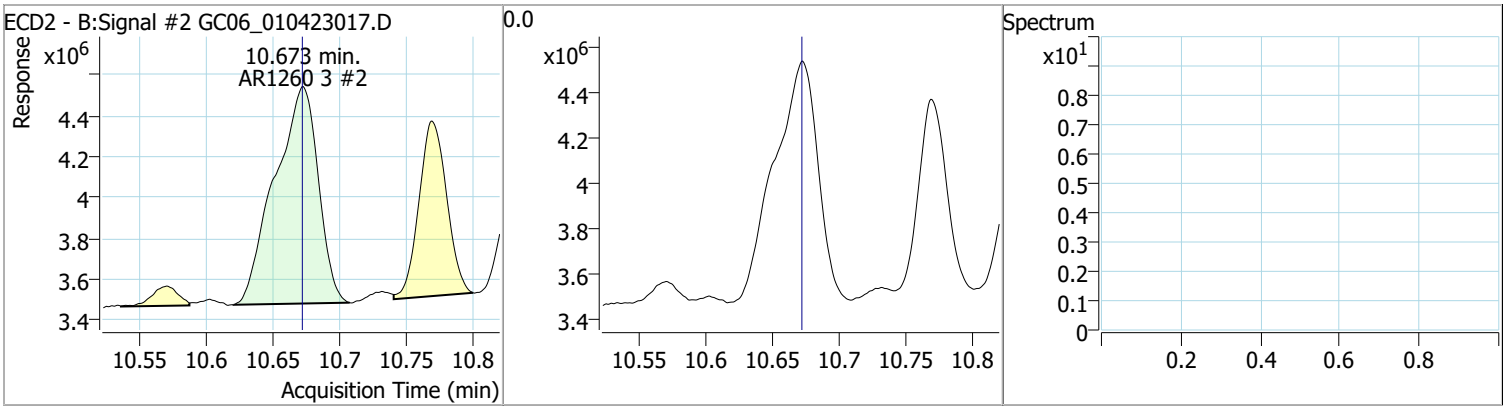
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	99.5543	10.25	0.00	1946383				



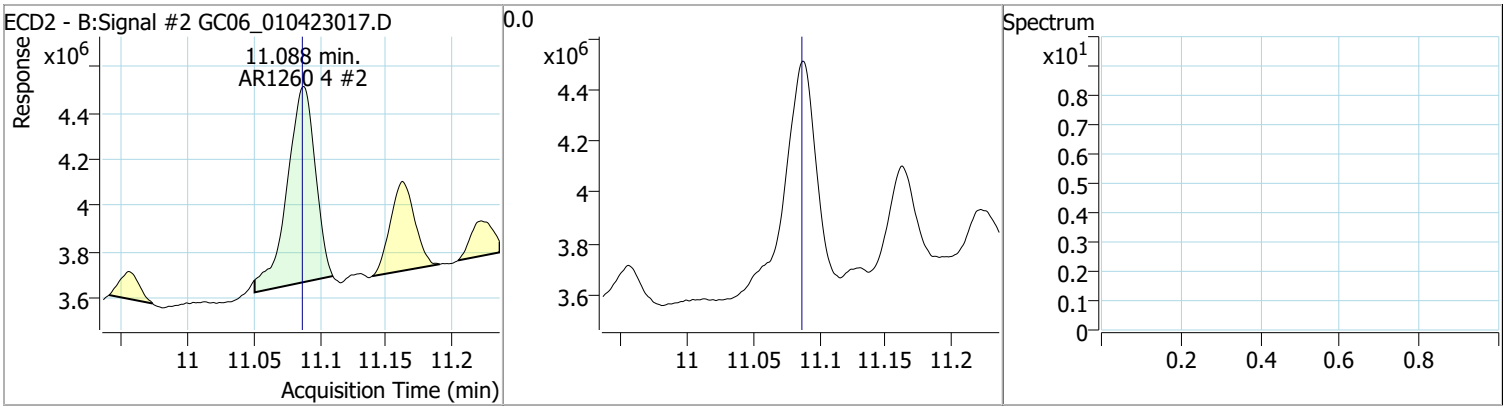
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	103.1050	10.52	0.00	761803				



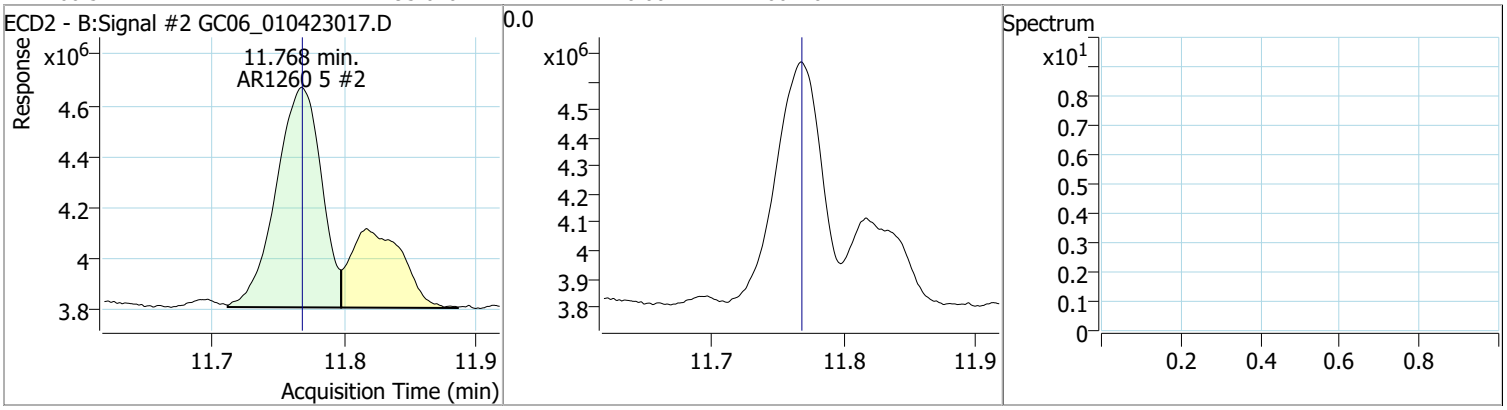
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AR1260 3 #2	101.4733	10.67	0.00	2416579				



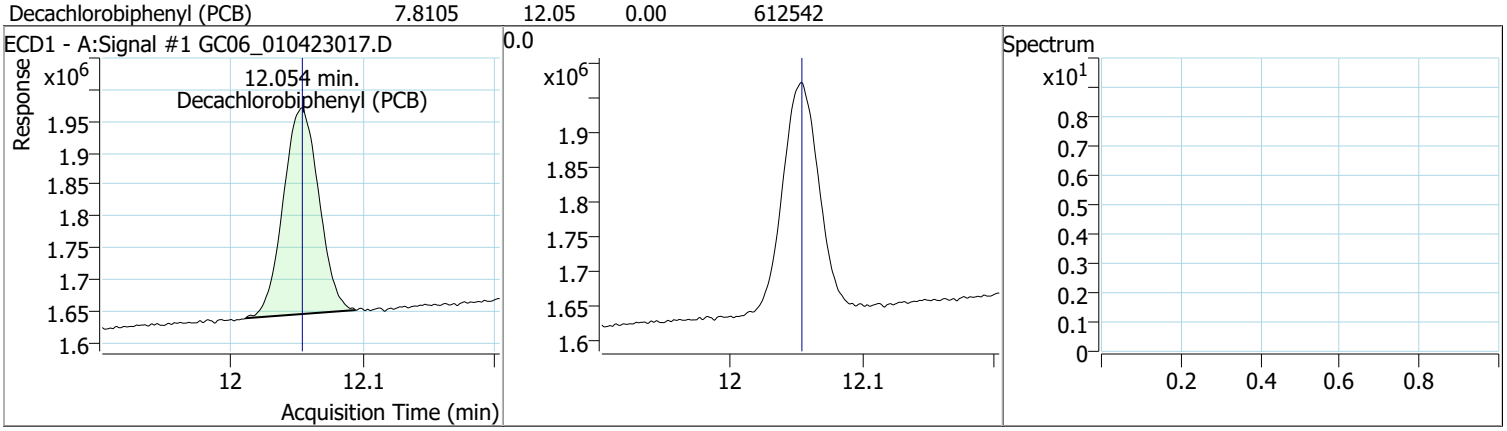
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	95.2668	11.09	0.00	1247222				



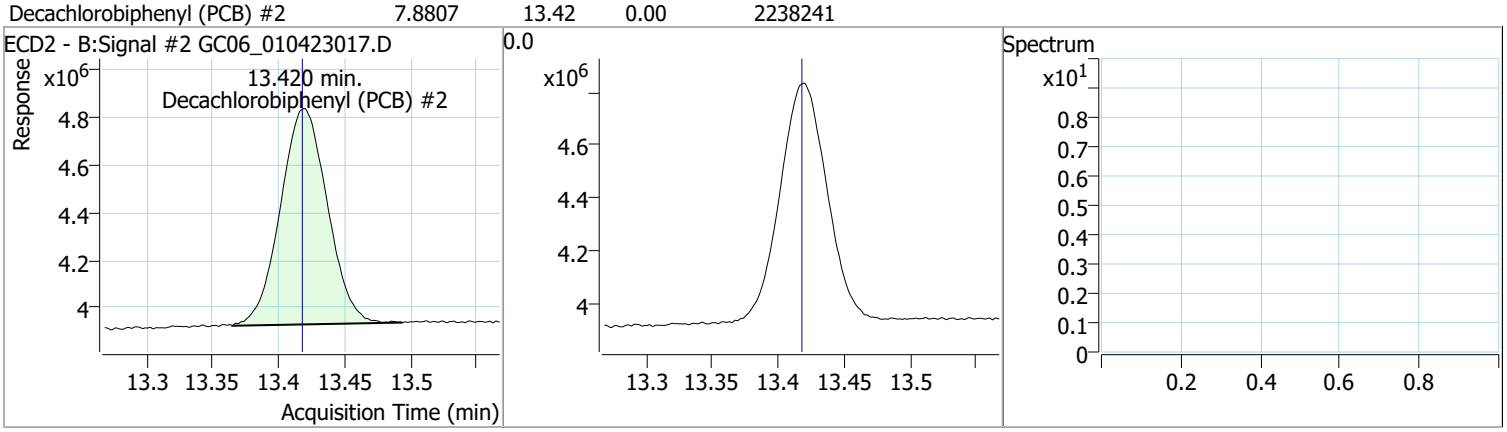
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	95.6402	11.77	0.00	2062704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.8105	12.05	0.00	612542				

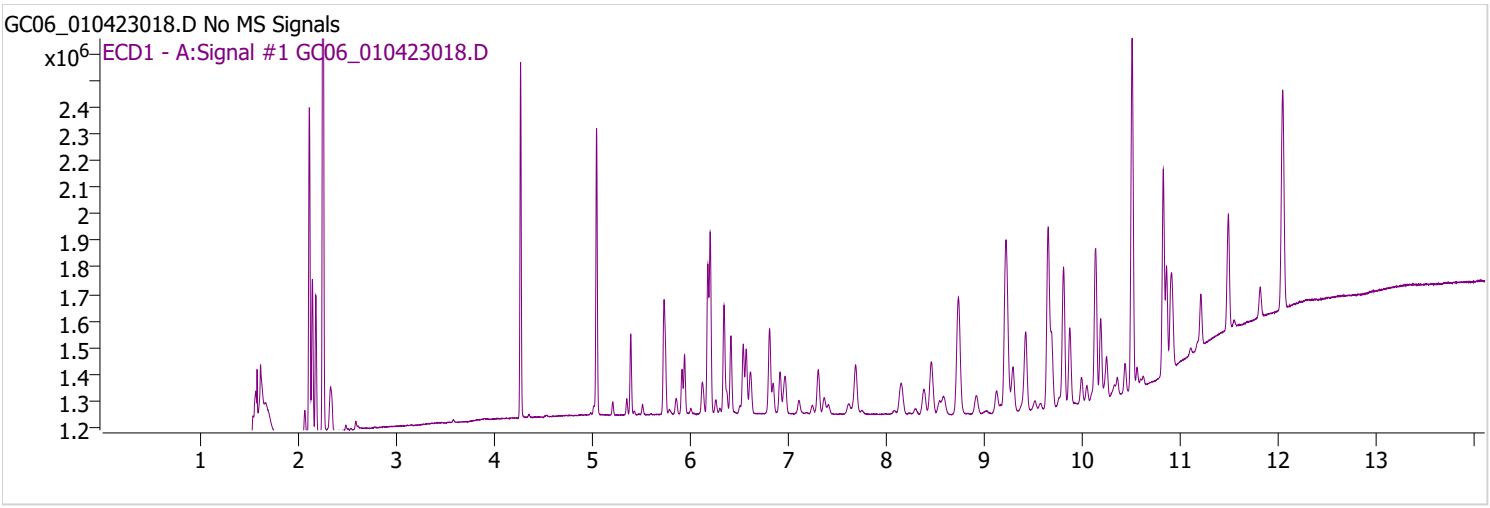


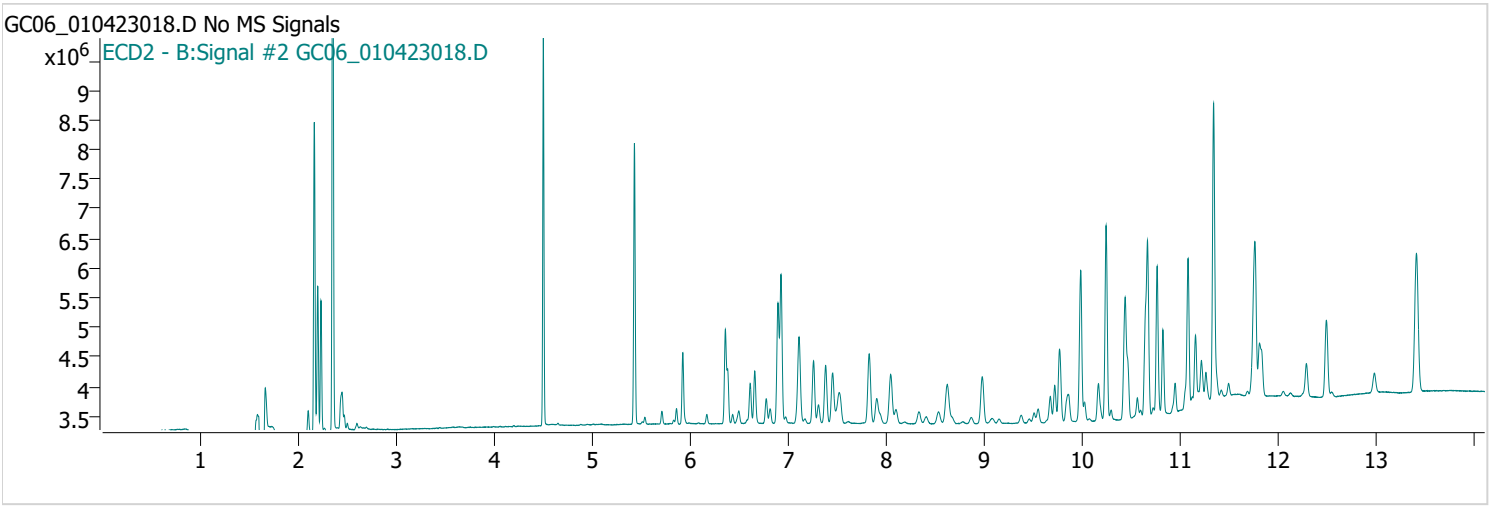
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.8807	13.42	0.00	2238241				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 4:44:39 PM
Sample Name	ICAL, S17800	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



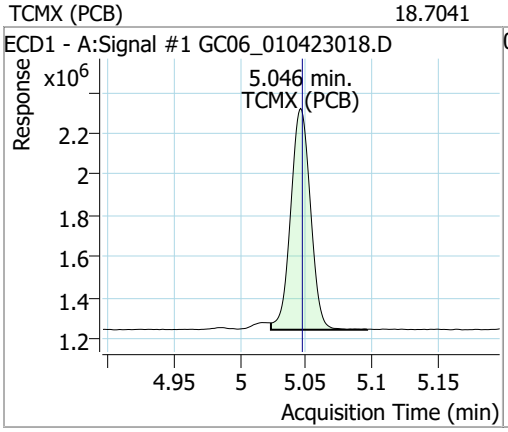


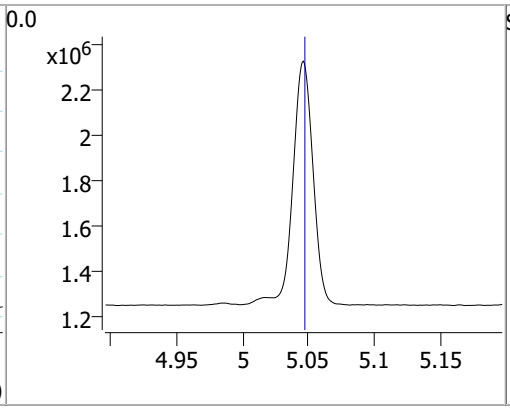
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1207428.623	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5670523.517	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.046	0.0	1119104.173	18.7041	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.52%		
S TCMX (PCB) #2	5.433	0.0	5080168.629	18.2738	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.37%		
S Decachlorobiphenyl (PCB)	12.053	0.0	1596604.175	18.9766	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.88%		
S Decachlorobiphenyl (PCB) #2	13.418	0.0	5905156.215	19.1839	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.92%		
Target Compounds						QValue

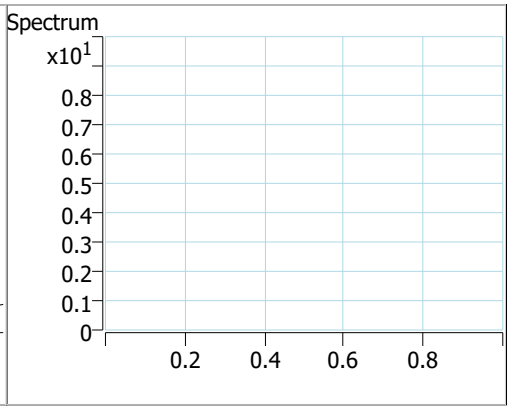
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.395	0.0	329753.697	239.6178	ng/ml		100
T AR1016 2	5.736	0.0	724182.742	268.7902	ng/ml		100
T AR1016 1 #2	5.927	0.0	1542750.735	246.2964	ng/ml		100
T AR1016 3	6.206	0.0	903208.573	262.1278	ng/ml		100
T AR1016 4	6.348	0.0	564105.738	256.6625	ng/ml	m	100
T AR1016 2 #2	6.361	0.0	2325760.533	257.4786	ng/ml	m	100
T AR1016 5	6.544	0.0	385015.341	266.8082	ng/ml		100
T AR1016 3 #2	6.929	0.0	4025359.739	253.1173	ng/ml		100
T AR1016 4 #2	7.113	0.0	2976783.457	256.5061	ng/ml		100
T AR1016 5 #2	7.830	0.0	2405585.376	258.6071	ng/ml		100
T AR1260 1	8.741	0.0	1131636.314	253.1710	ng/ml		100
T AR1260 2	9.228	0.0	1688901.467	271.1245	ng/ml		100
T AR1260 3	9.658	0.0	1776546.275	255.7146	ng/ml	m	100
T AR1260 1 #2	9.990	0.0	4410629.809	249.3619	ng/ml		100
T AR1260 4	10.143	0.0	1061745.206	290.2710	ng/ml		100
T AR1260 2 #2	10.249	0.0	5318796.762	278.5010	ng/ml		100
T AR1260 5	10.515	0.0	2185378.646	275.7029	ng/ml		100
T AR1260 3 #2	10.672	0.0	6798867.083	263.4119	ng/ml		100
T AR1260 4 #2	11.087	0.0	3879448.834	273.4112	ng/ml		100
T AR1260 5 #2	11.768	0.0	6138775.390	262.6236	ng/ml		100

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

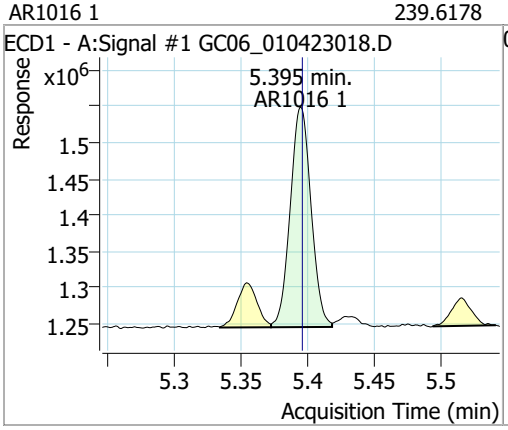
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7041	5.05	0.00	1119104				

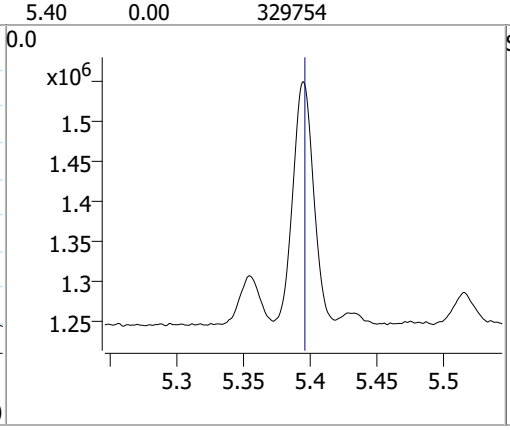


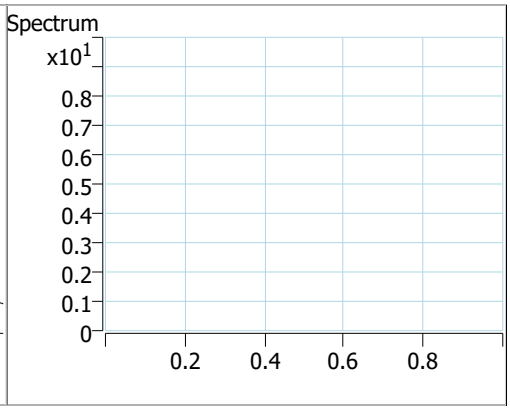




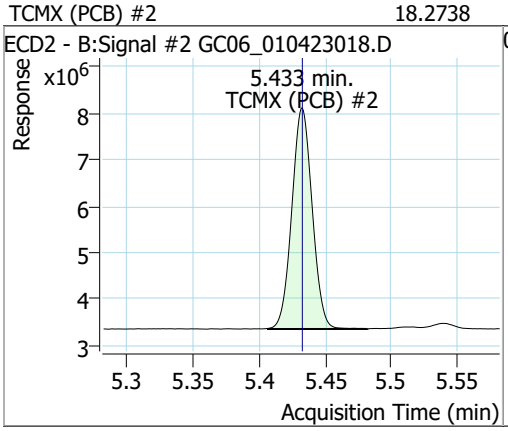
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	239.6178	5.40	0.00	329754				

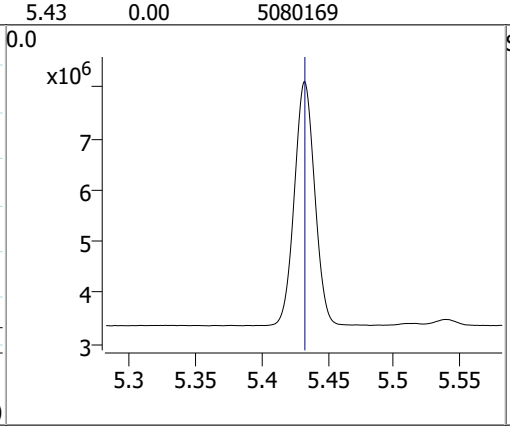


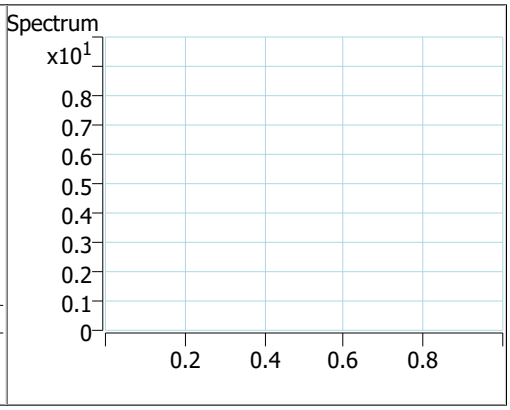




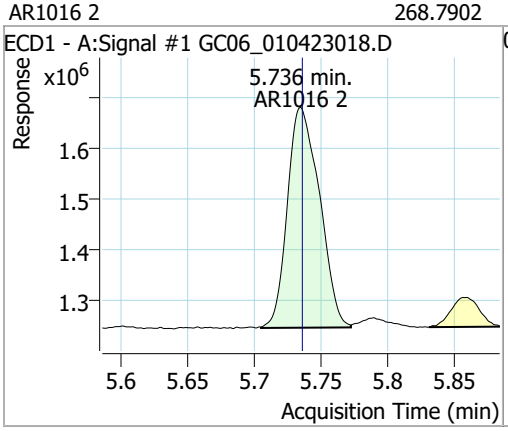
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.2738	5.43	0.00	5080169				

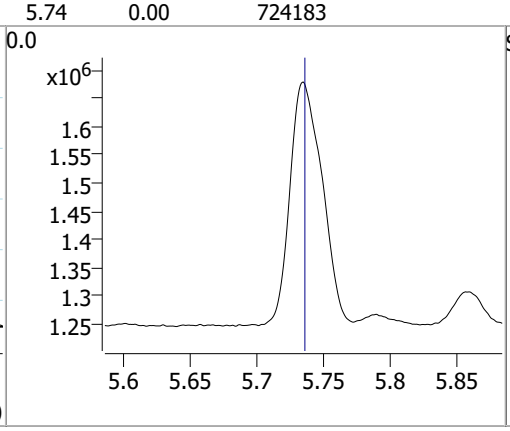


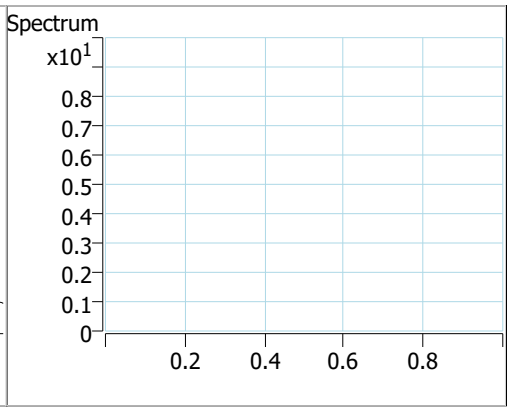




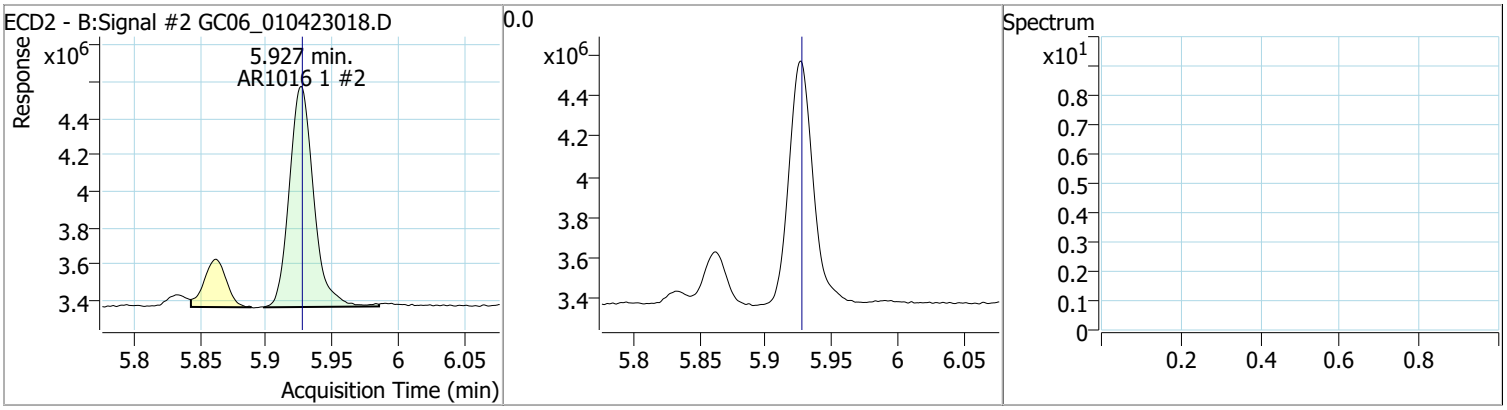
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	268.7902	5.74	0.00	724183				



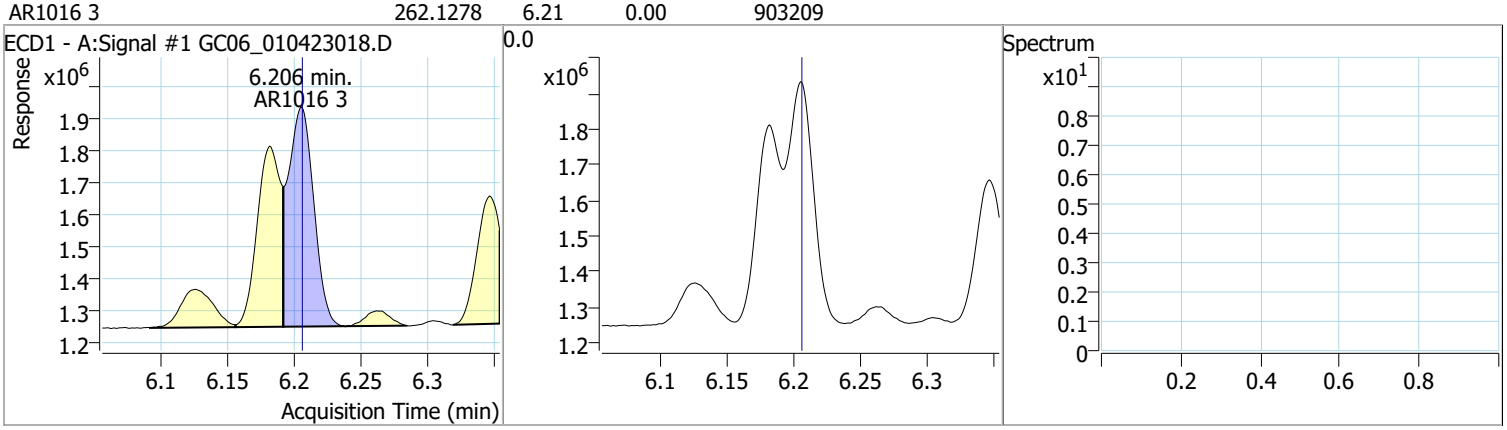




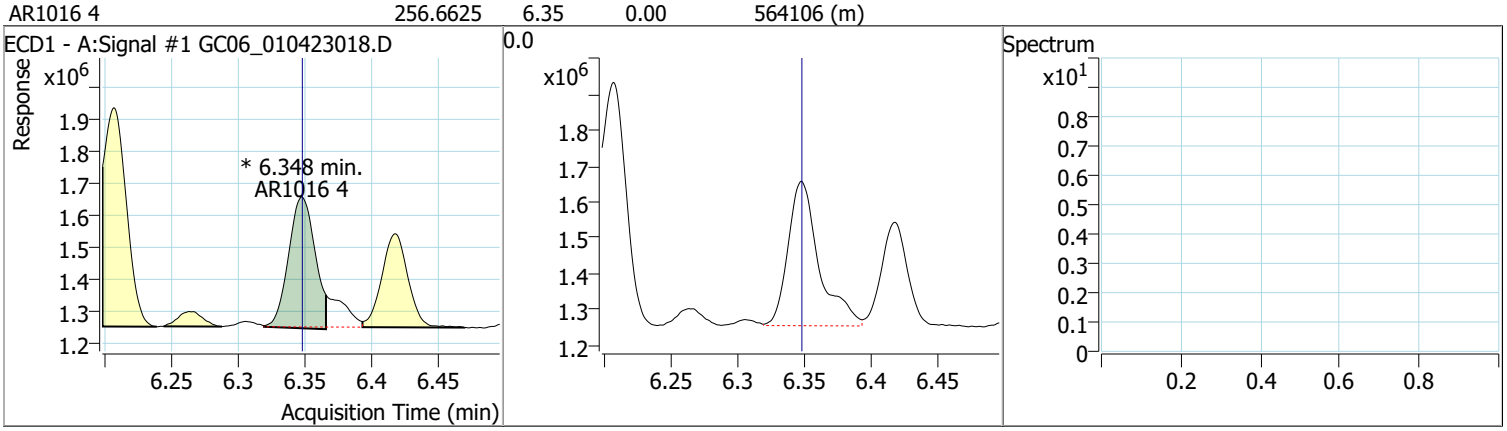
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	246.2964	5.93	0.00	1542751				



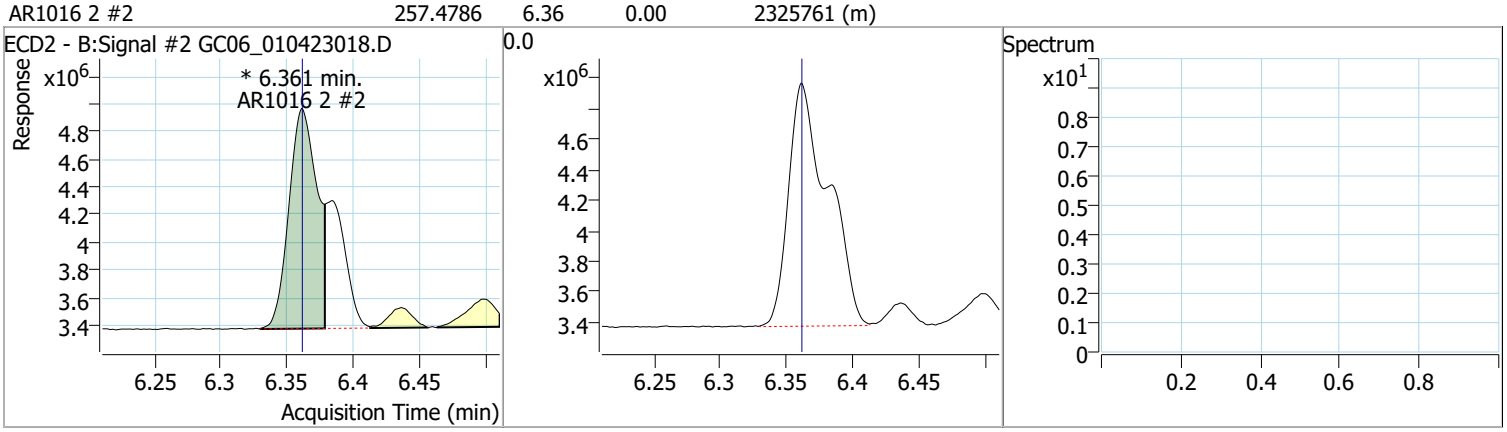
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	262.1278	6.21	0.00	903209				



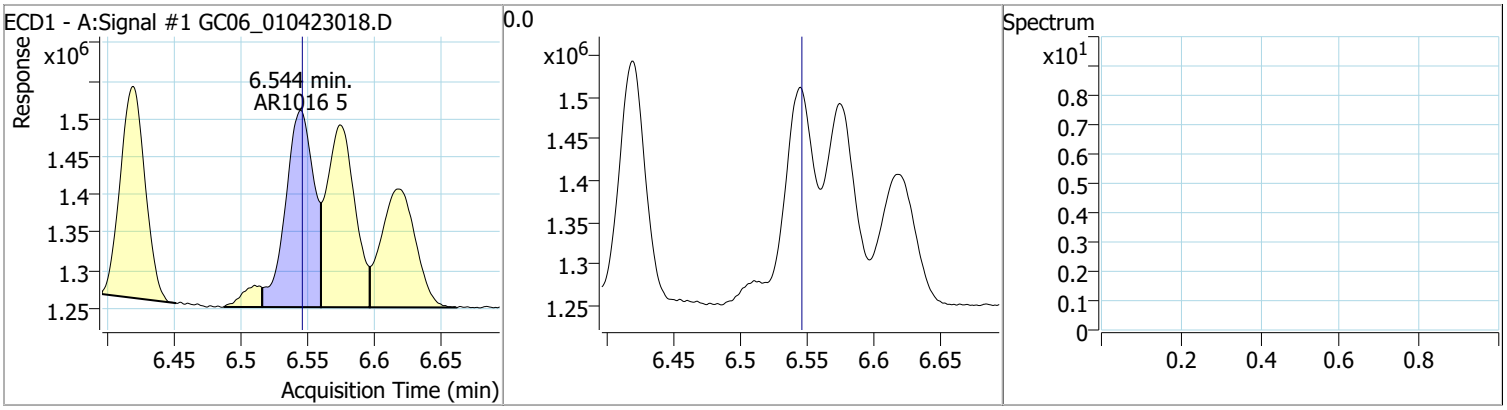
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	256.6625	6.35	0.00	564106 (m)				



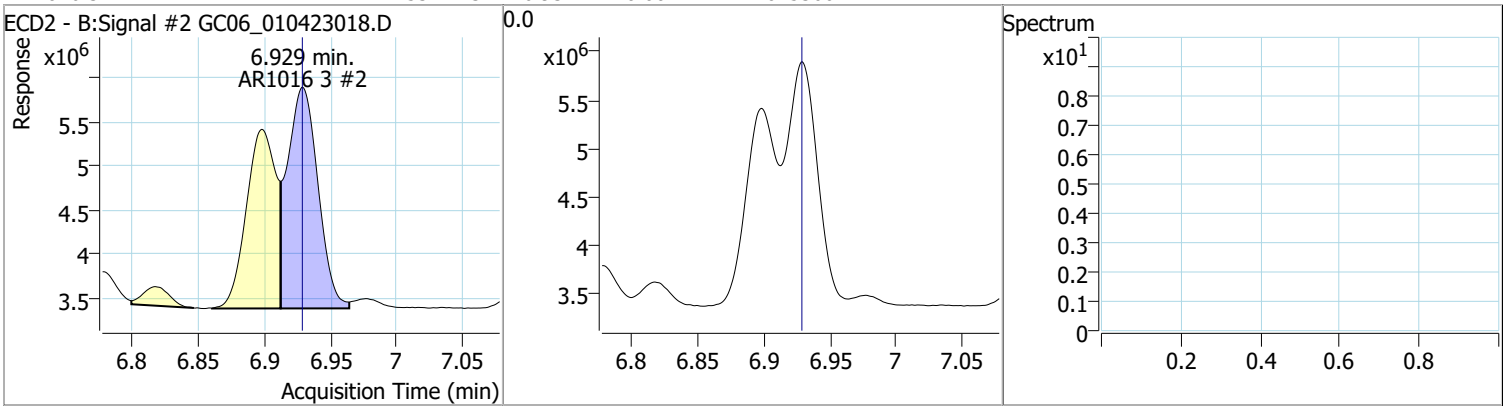
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	257.4786	6.36	0.00	2325761 (m)				



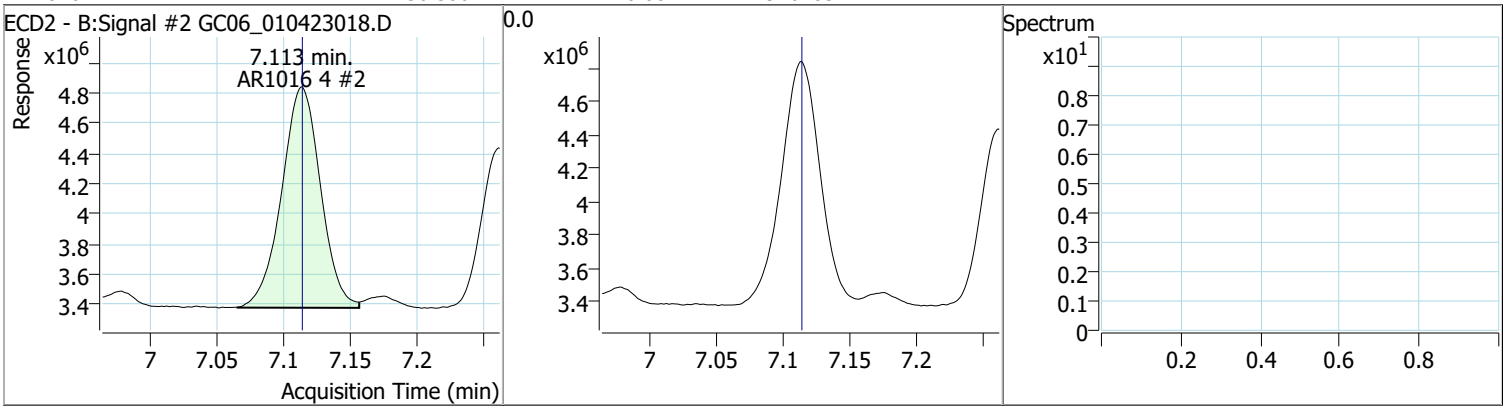
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	266.8082	6.54	0.00	385015				



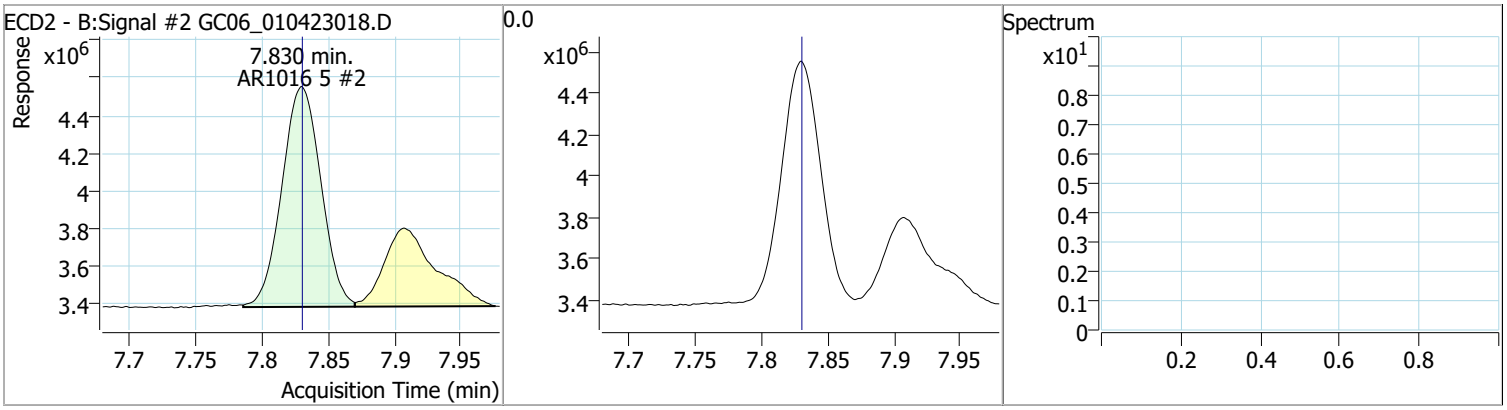
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	253.1173	6.93	0.00	4025360				



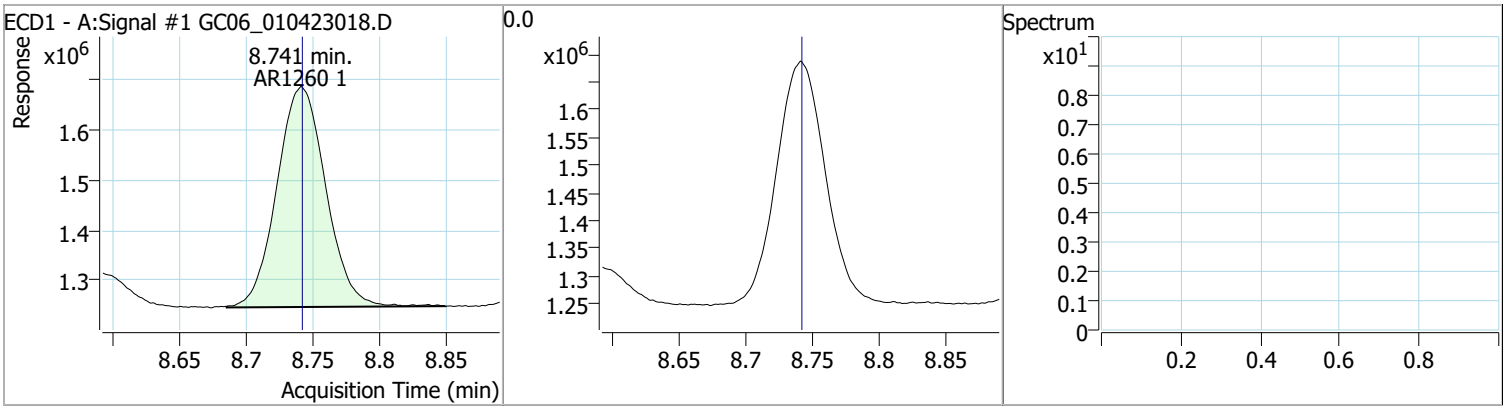
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	256.5061	7.11	0.00	2976783				



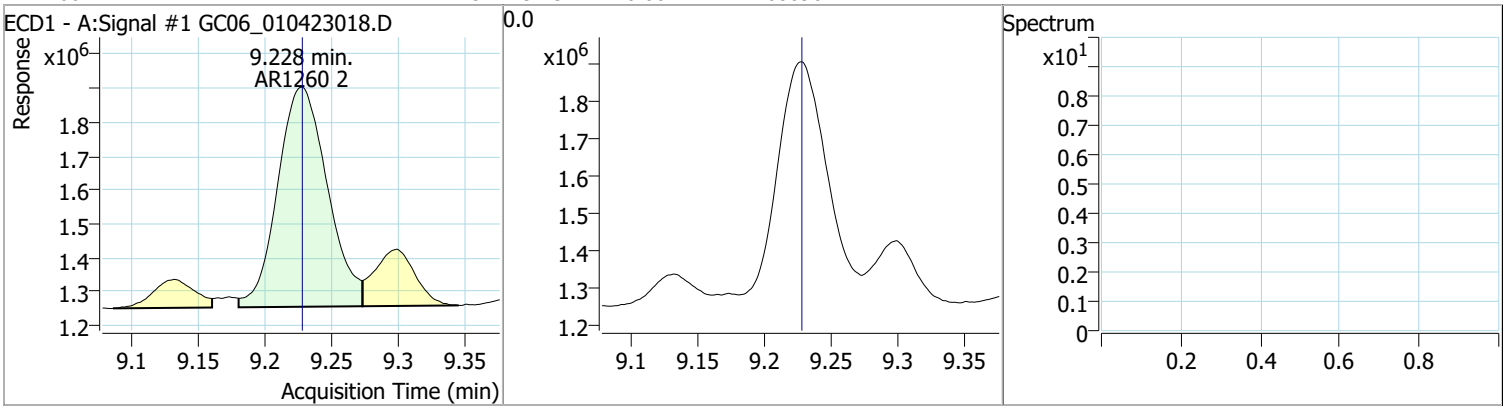
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	258.6071	7.83	0.00	2405585				



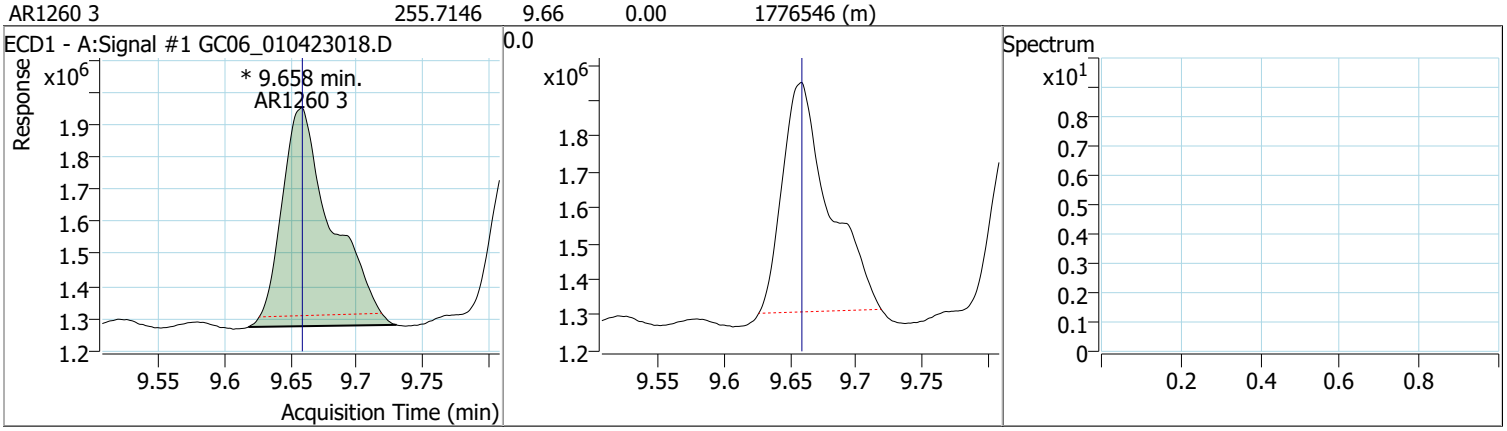
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	253.1710	8.74	0.00	1131636				



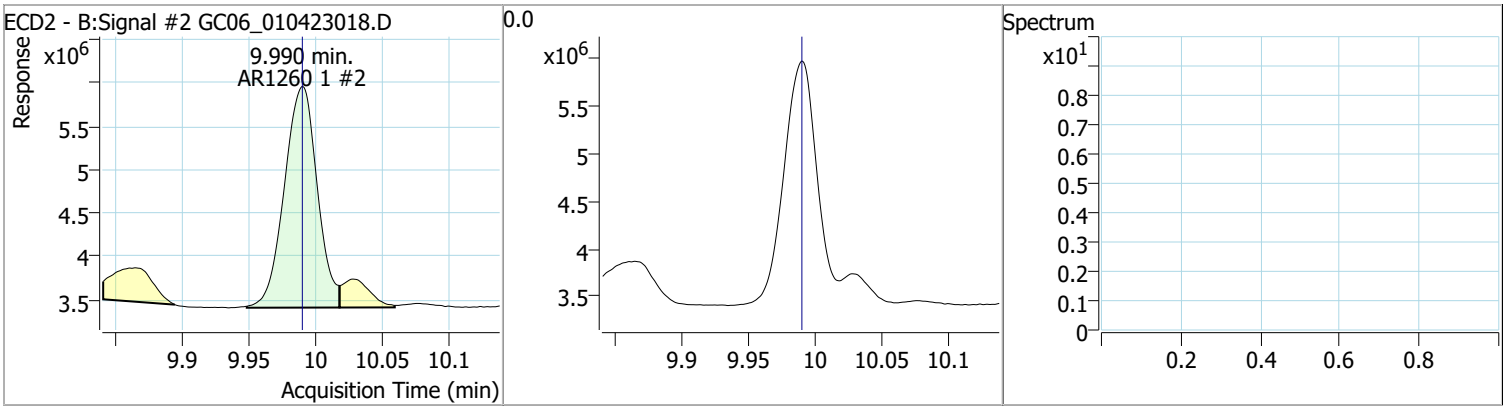
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	271.1245	9.23	0.00	1688901				



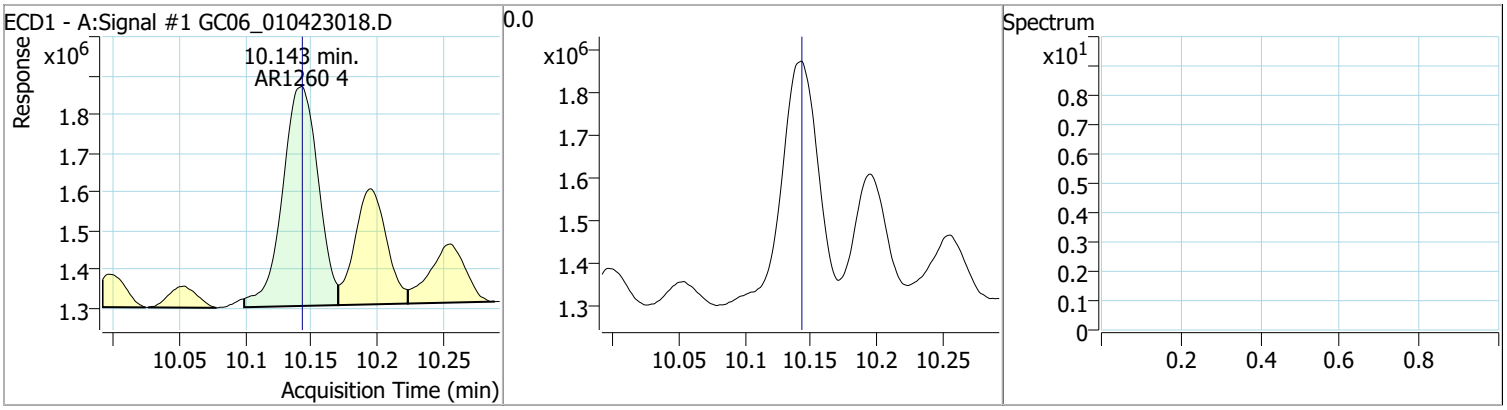
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	255.7146	9.66	0.00	1776546 (m)				



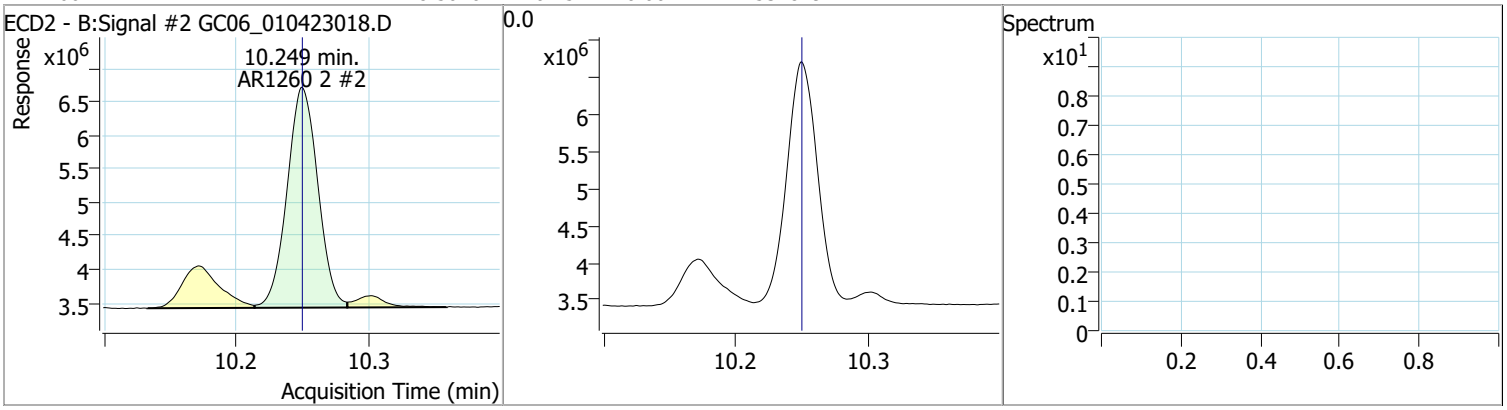
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	249.3619	9.99	0.00	4410630				



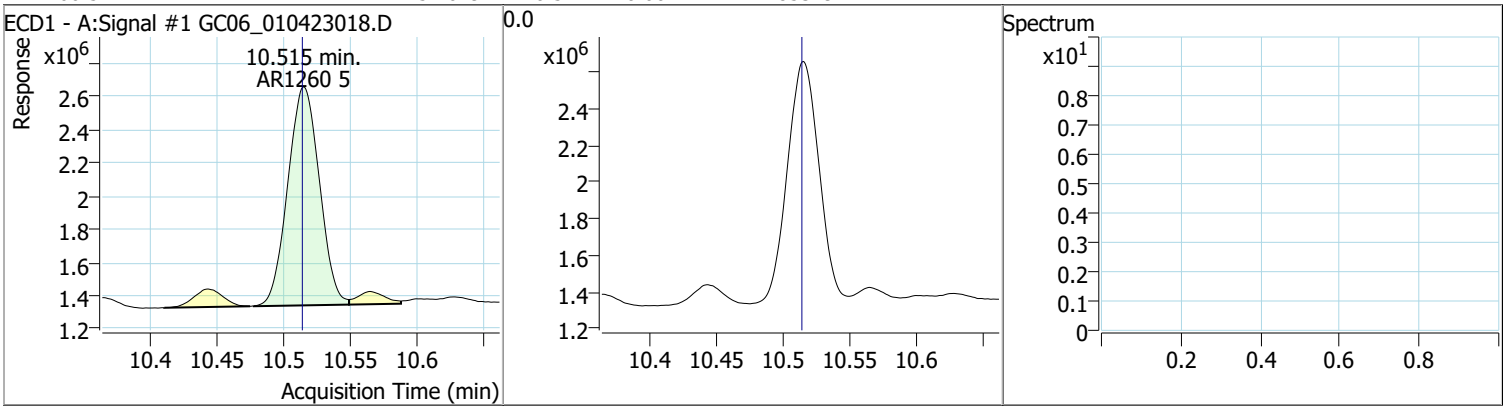
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	290.2710	10.14	0.00	1061745				



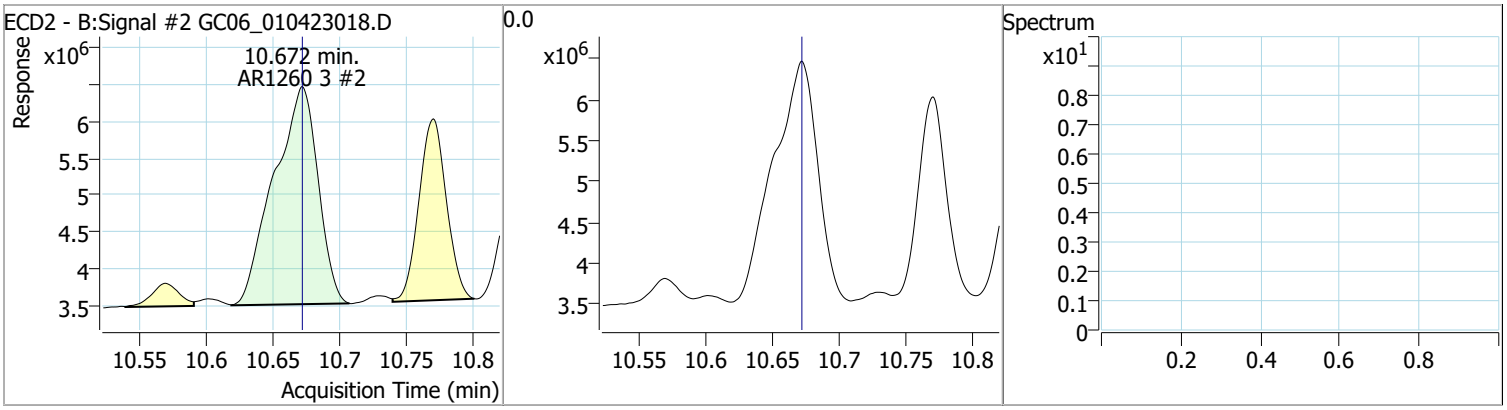
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	278.5010	10.25	0.00	5318797				



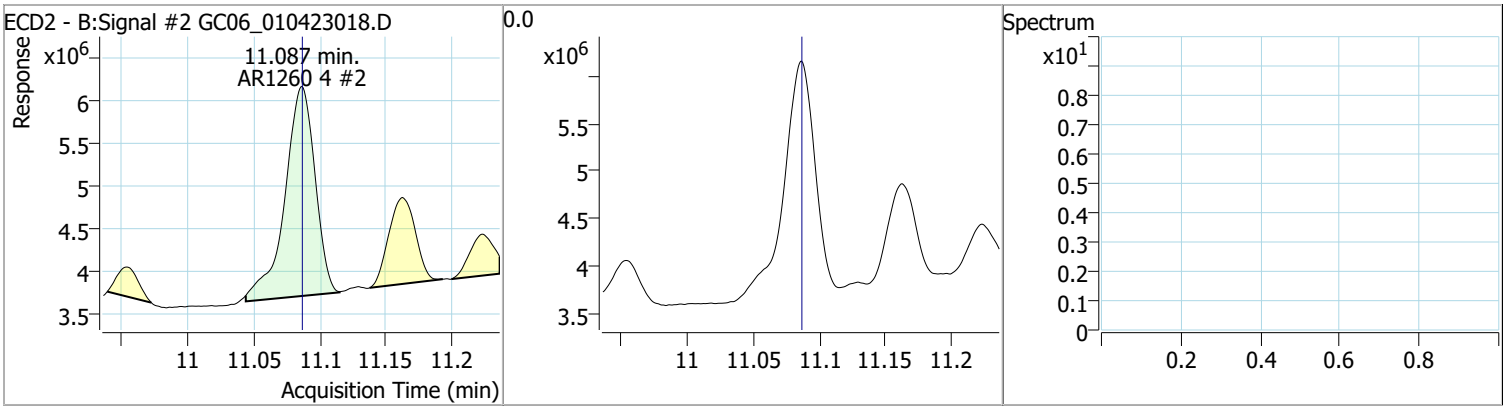
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	275.7029	10.52	0.00	2185379				



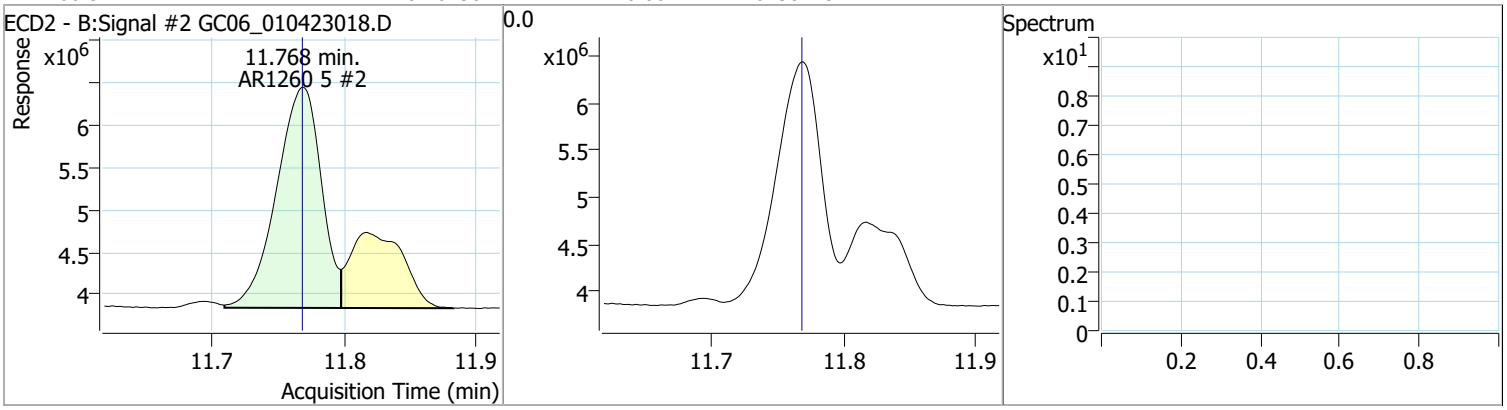
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	263.4119	10.67	0.00	6798867				



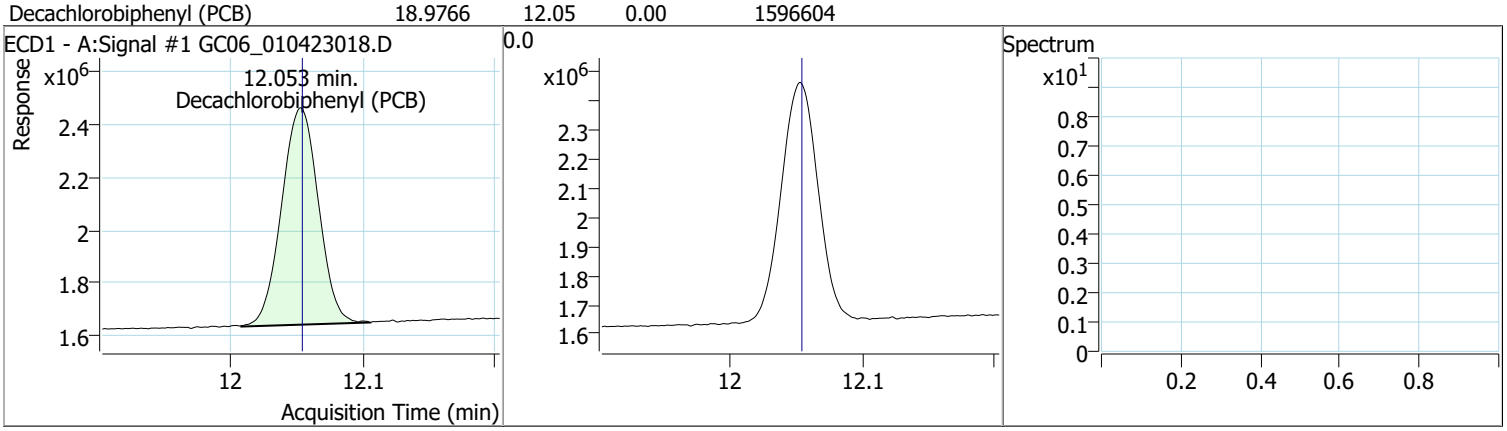
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	273.4112	11.09	0.00	3879449				



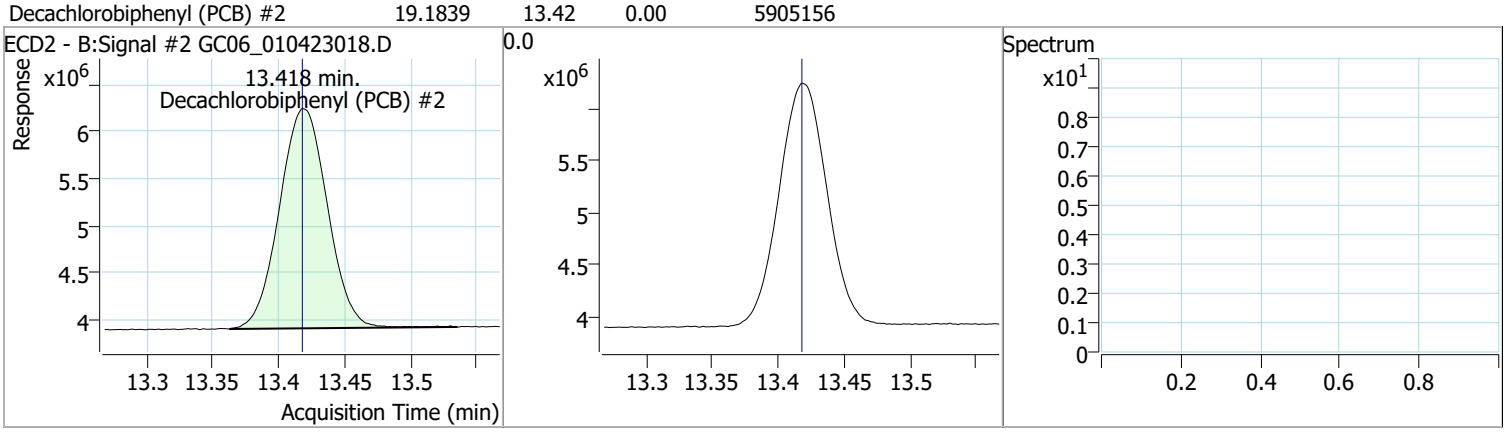
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	262.6236	11.77	0.00	6138775				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9766	12.05	0.00	1596604				

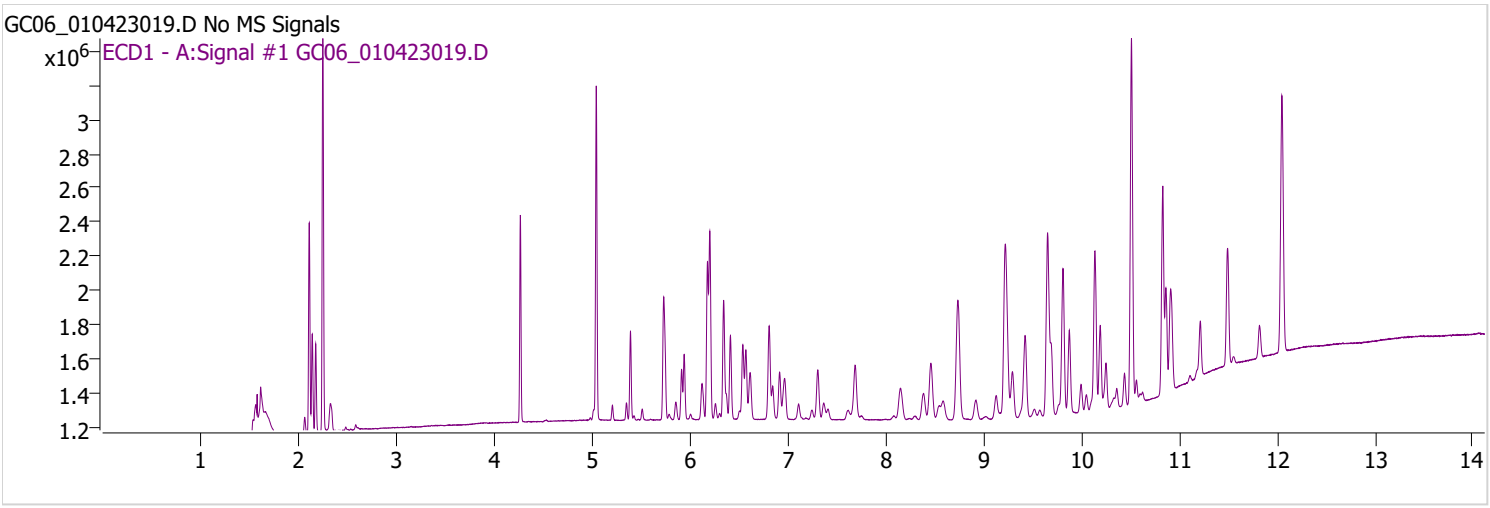


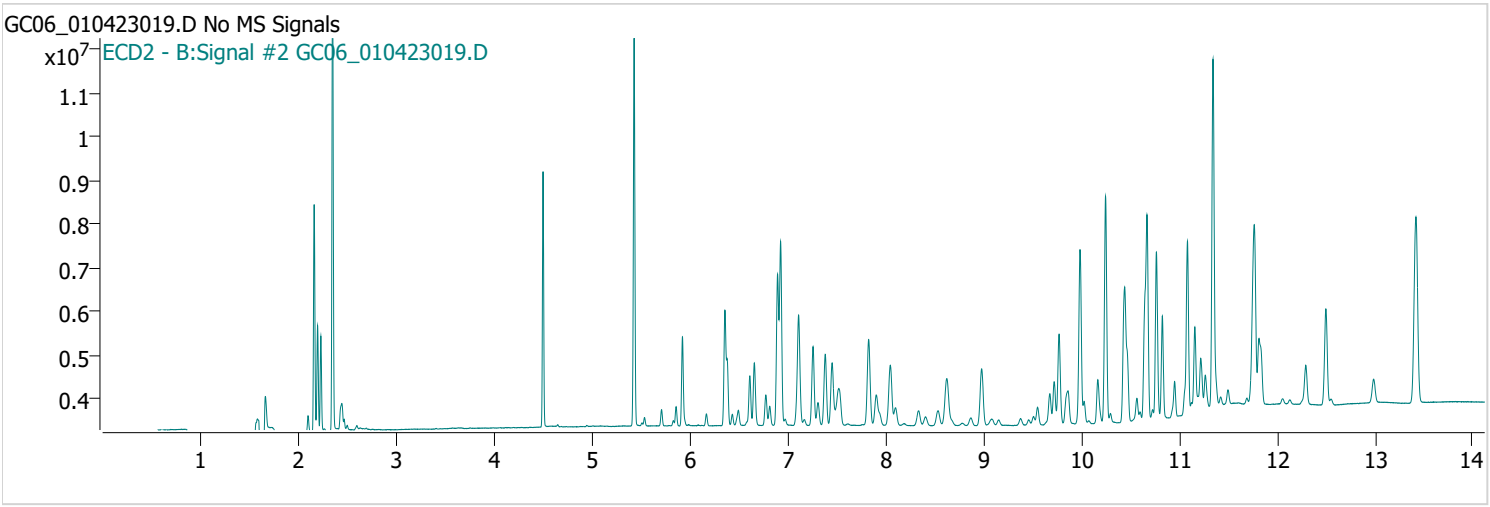
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.1839	13.42	0.00	5905156				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:02:58 PM
Sample Name	ICAL, S17801	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



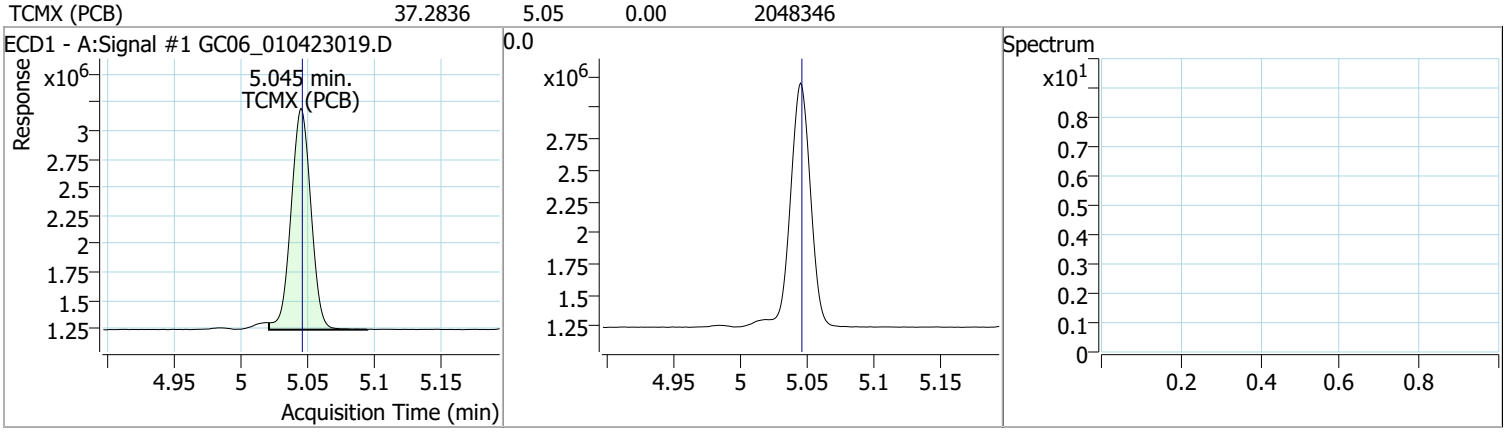


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1108699.797	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.501	0.0	5179002.636	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	2048346.028	37.2836	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.42%		*	
S TCMX (PCB) #2	5.432	0.0	9502578.949	37.4256	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.13%		*	
S Decachlorobiphenyl (PCB)	12.050	0.0	2898249.046	37.5149	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.57%		*	
S Decachlorobiphenyl (PCB) #2	13.420	0.0	10877479.156	38.6911	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.46%		*	
Target Compounds							QValue

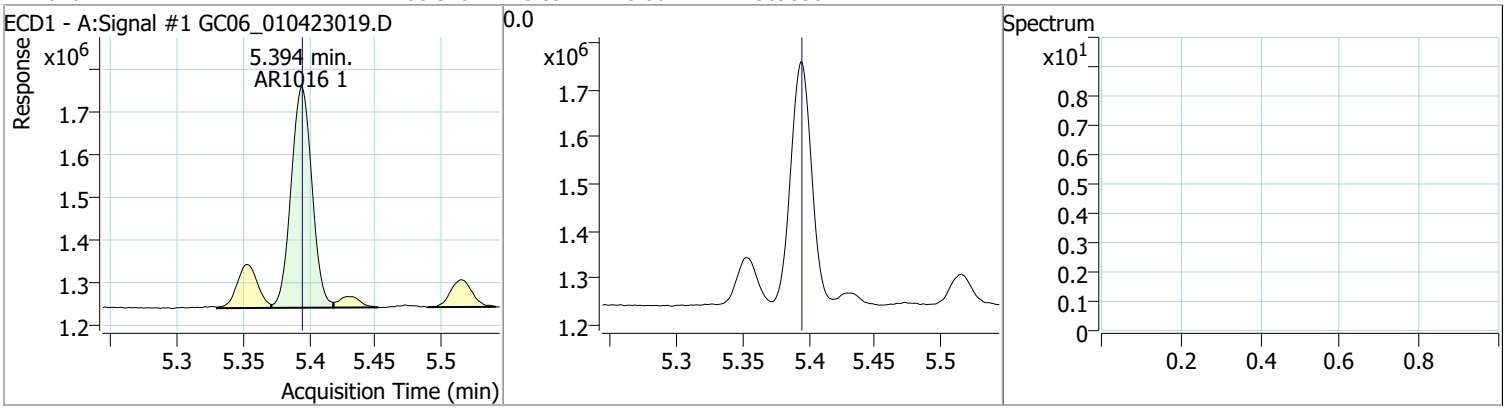
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.394	0.0	569037.856	450.3167	ng/ml		100
T AR1016 2	5.734	0.0	1208445.397	512.6939	ng/ml		100
T AR1016 1 #2	5.926	0.0	2579774.733	450.9424	ng/ml		100
T AR1016 3	6.205	0.0	1491945.762	471.5476	ng/ml		100
T AR1016 4	6.346	0.0	995413.996	493.2342	ng/ml	m	100
T AR1016 2 #2	6.359	0.0	3813279.354	462.2232	ng/ml	m	100
T AR1016 5	6.543	0.0	648153.439	489.1549	ng/ml		100
T AR1016 3 #2	6.928	0.0	6691810.017	460.7208	ng/ml		100
T AR1016 4 #2	7.113	0.0	4985665.652	470.3819	ng/ml		100
T AR1016 5 #2	7.828	0.0	4035054.189	474.9480	ng/ml		100
T AR1260 1	8.740	0.0	1811210.111	441.2893	ng/ml		100
T AR1260 2	9.224	0.0	2673863.071	467.4672	ng/ml		100
T AR1260 3	9.657	0.0	2859816.143	448.2957	ng/ml		100
T AR1260 1 #2	9.988	0.0	7098955.518	439.4413	ng/ml		100
T AR1260 4	10.140	0.0	1707022.905	508.2416	ng/ml		100
T AR1260 2 #2	10.248	0.0	8465010.833	509.7982	ng/ml		100
T AR1260 5	10.513	0.0	3483004.368	478.5377	ng/ml		100
T AR1260 3 #2	10.672	0.0	10867872.827	461.0207	ng/ml		100
T AR1260 4 #2	11.086	0.0	6273599.226	484.1055	ng/ml		100
T AR1260 5 #2	11.768	0.0	9986257.918	467.7694	ng/ml		100

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

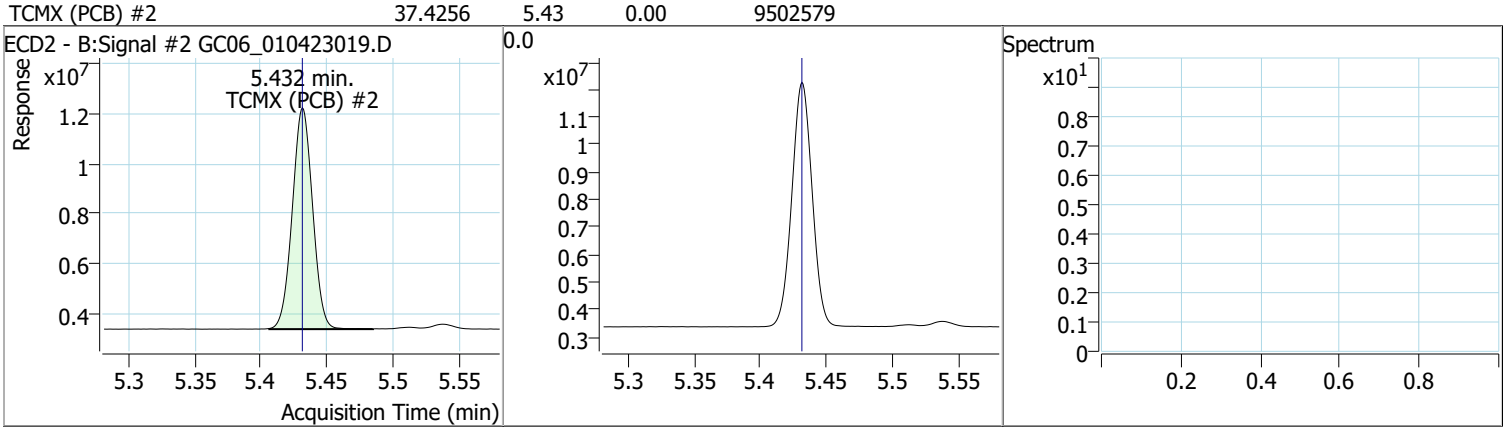
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.2836	5.05	0.00	2048346				



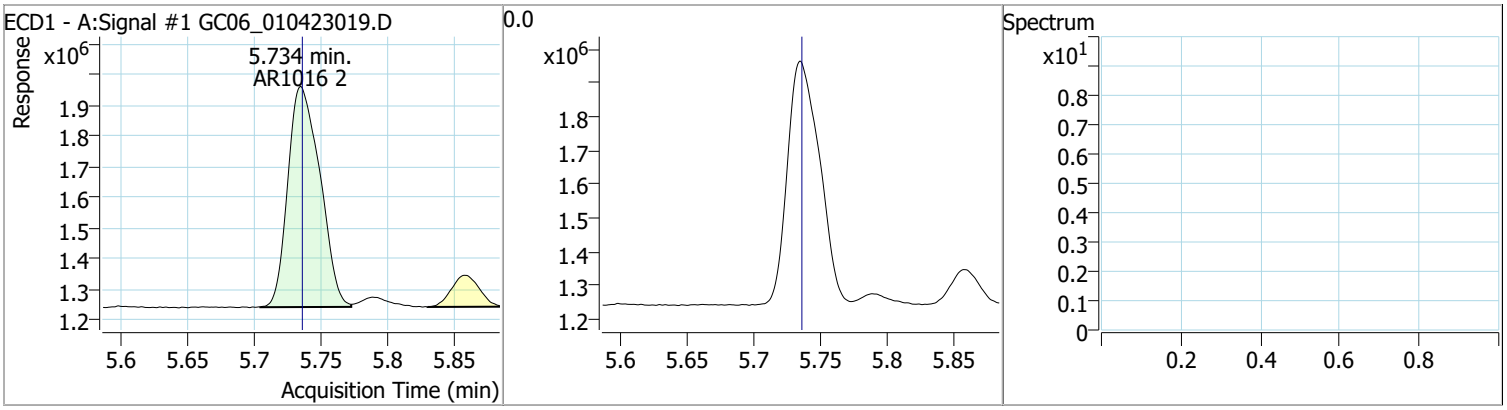
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	450.3167	5.39	0.00	569038				



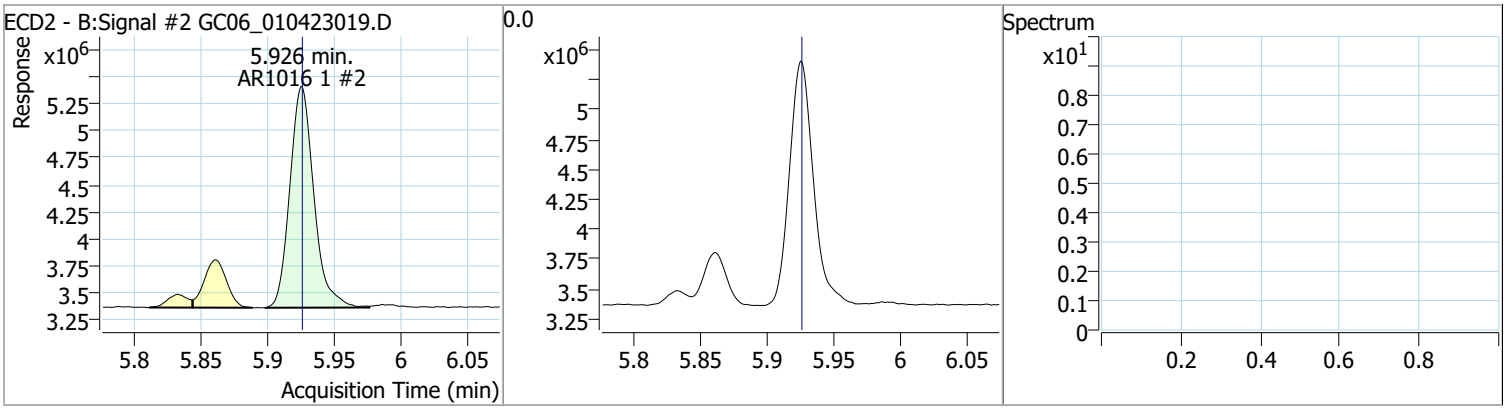
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.4256	5.43	0.00	9502579				



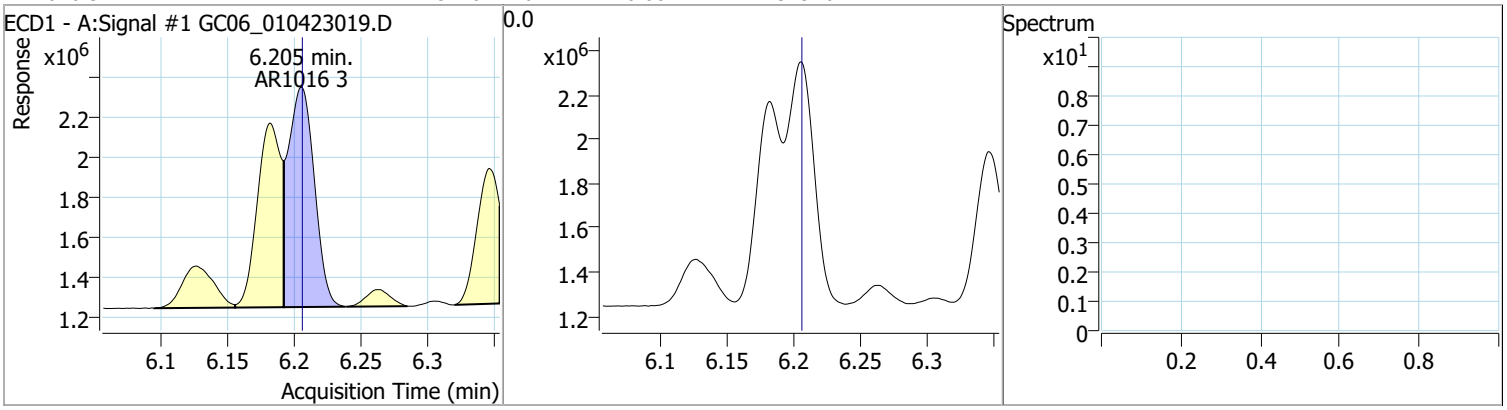
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	512.6939	5.73	0.00	1208445				



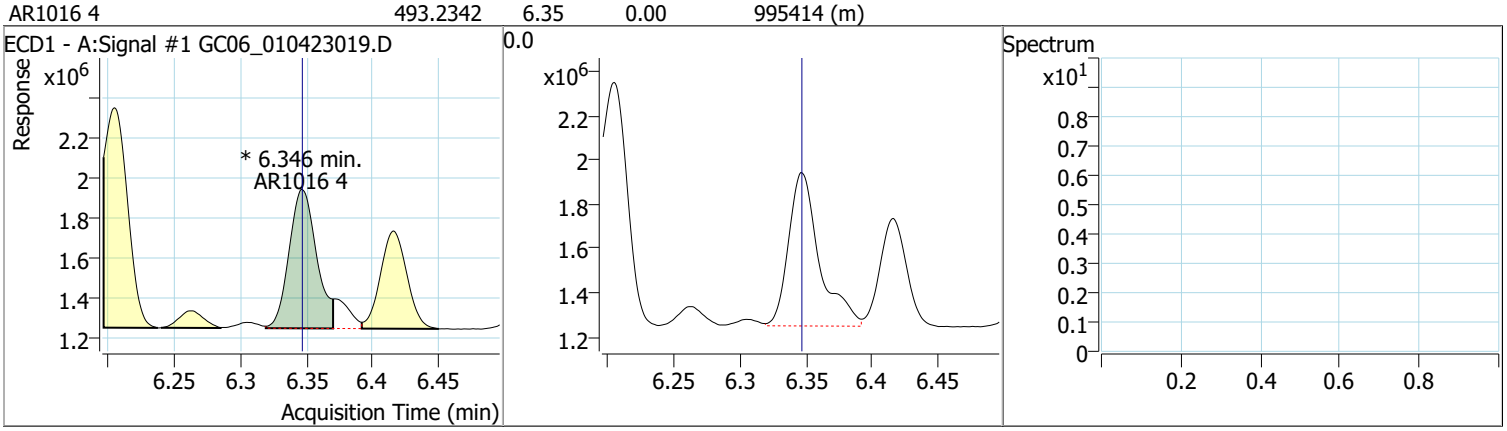
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	450.9424	5.93	0.00	2579775				



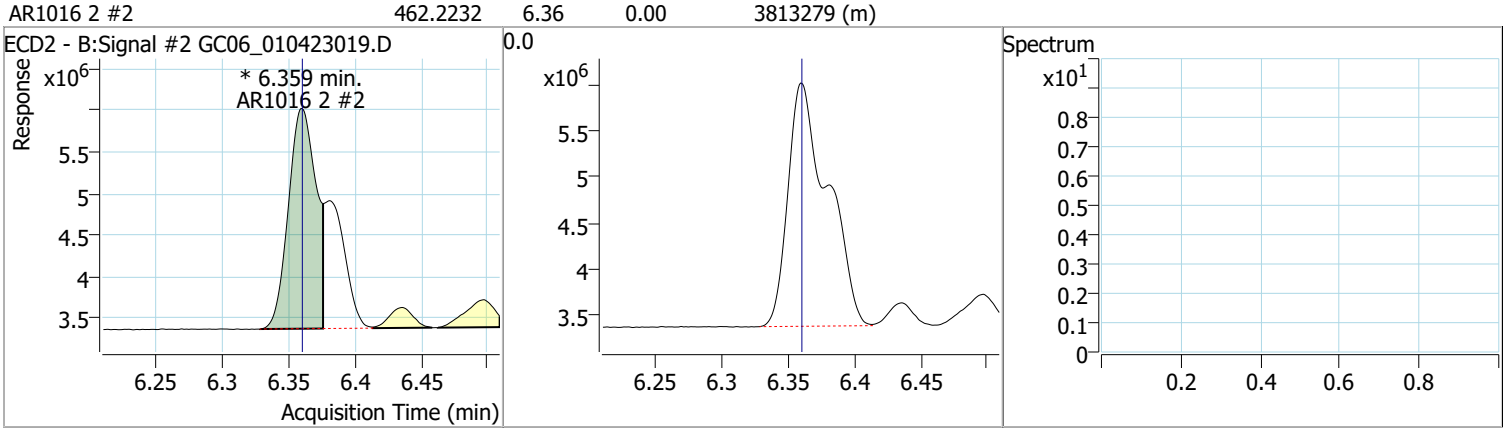
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	471.5476	6.21	0.00	1491946				



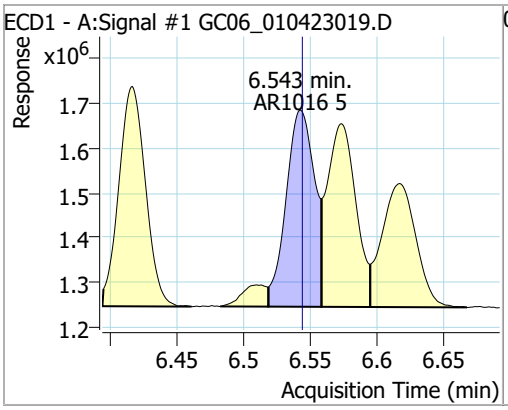
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	493.2342	6.35	0.00	995414 (m)				

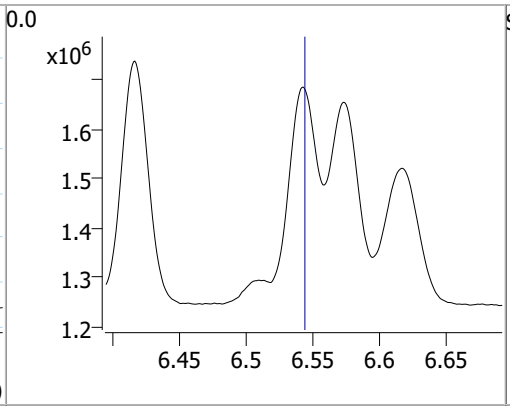


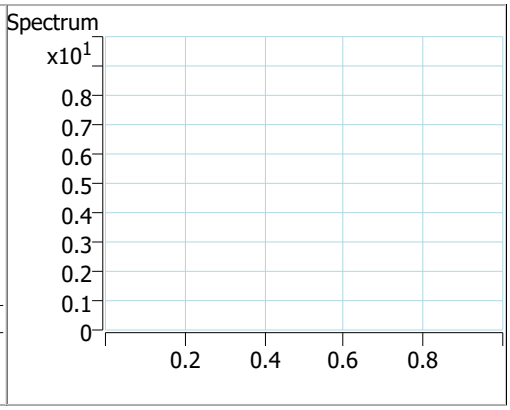
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	462.2232	6.36	0.00	3813279 (m)				



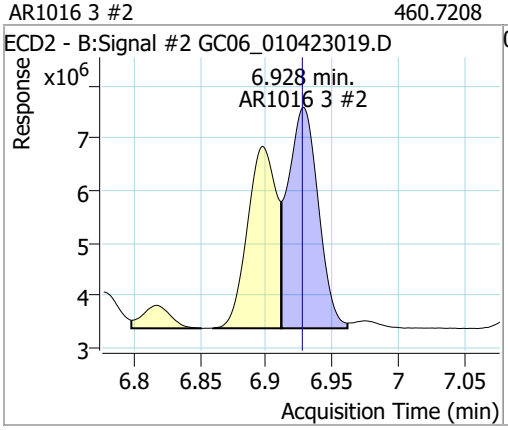
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	489.1549	6.54	0.00	648153				

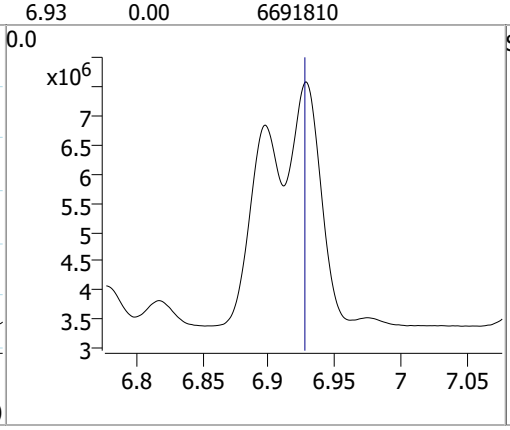


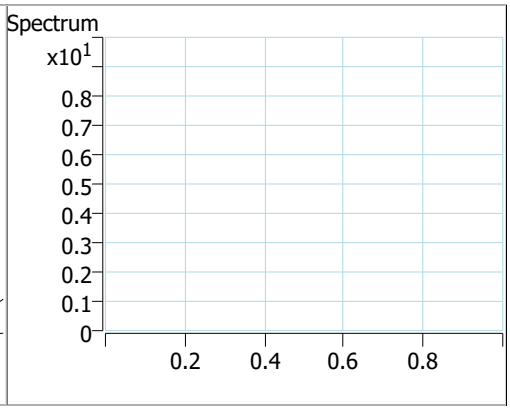




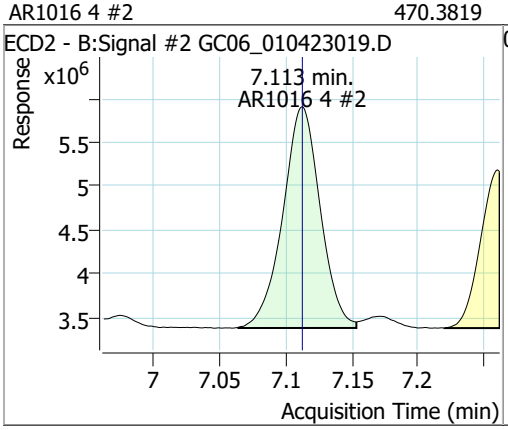
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	460.7208	6.93	0.00	6691810				

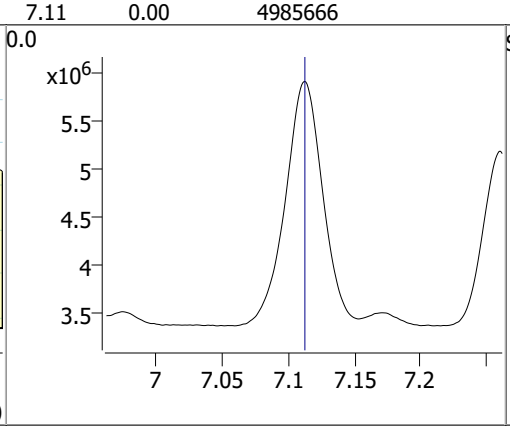


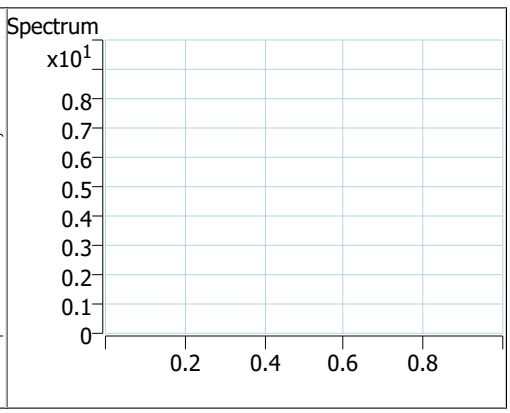




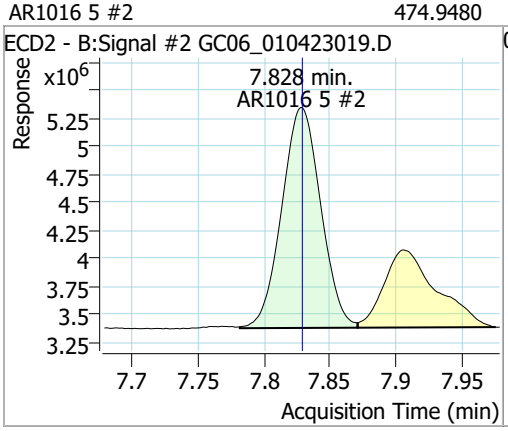
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	470.3819	7.11	0.00	4985666				

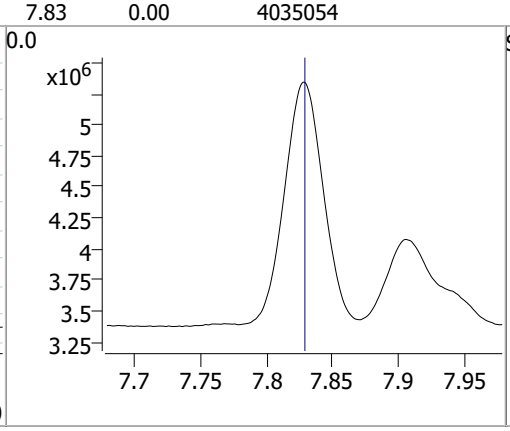


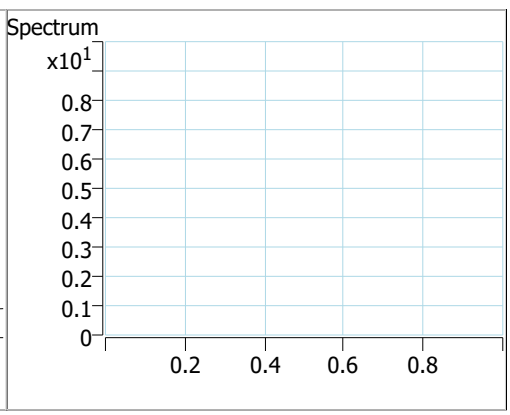




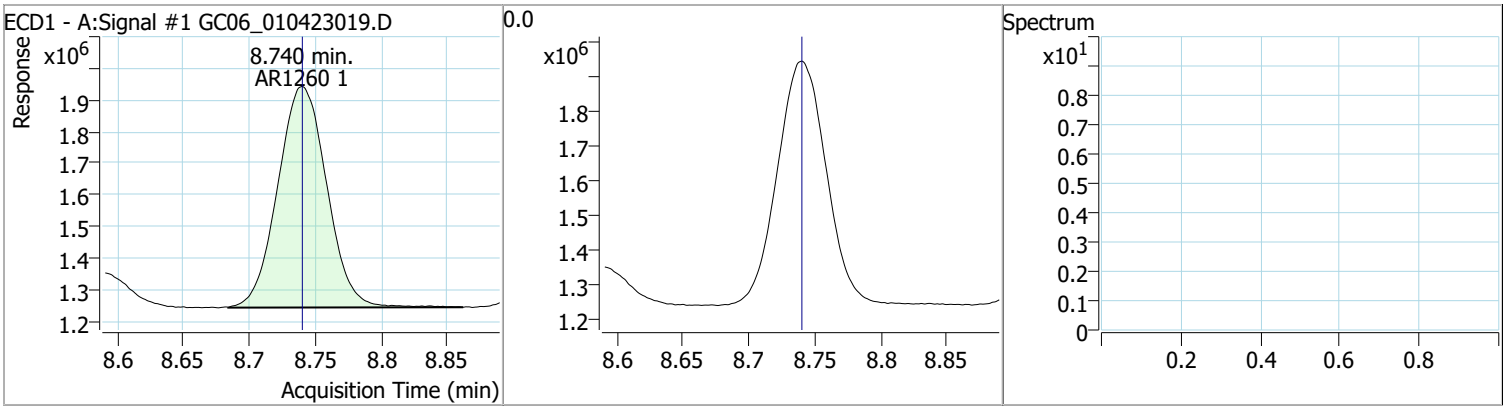
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	474.9480	7.83	0.00	4035054				



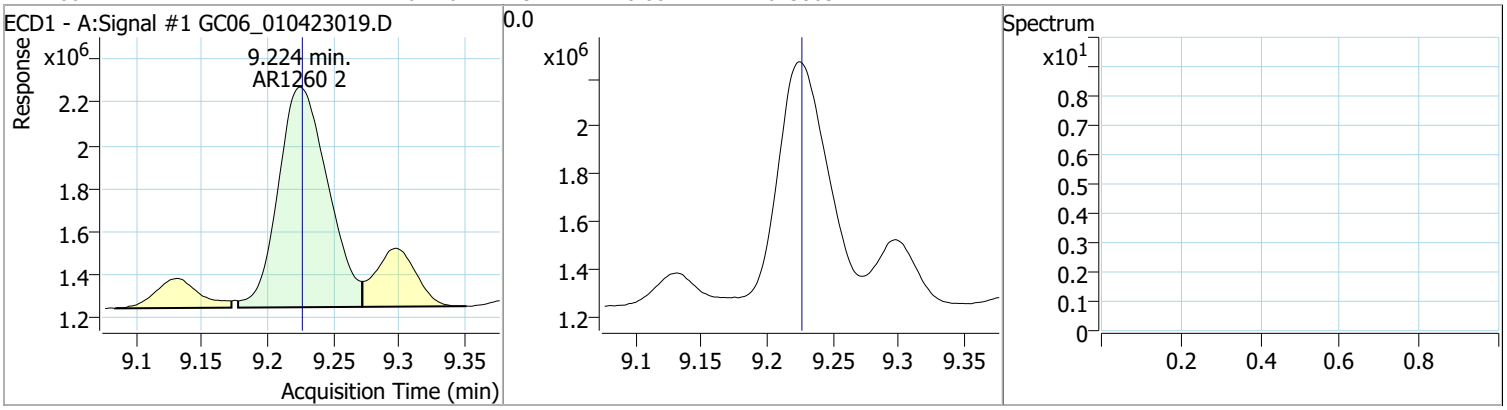




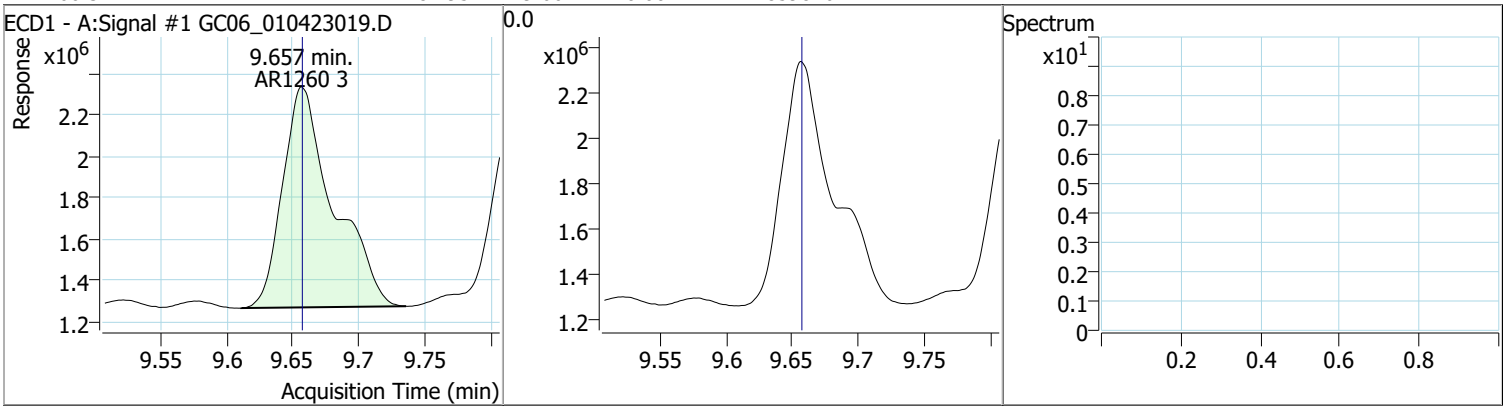
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	441.2893	8.74	0.00	1811210				



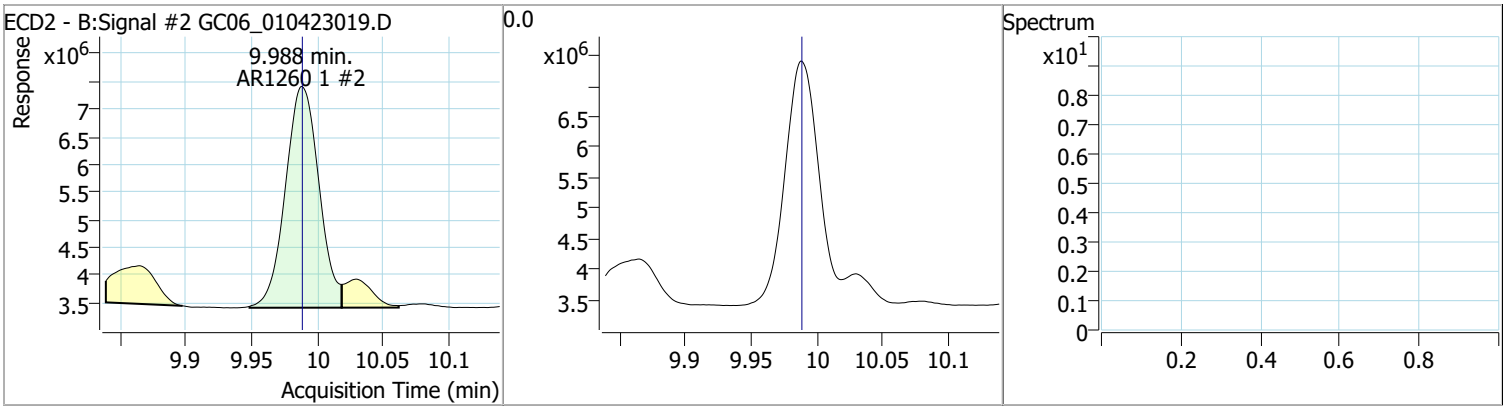
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	467.4672	9.22	0.00	2673863				



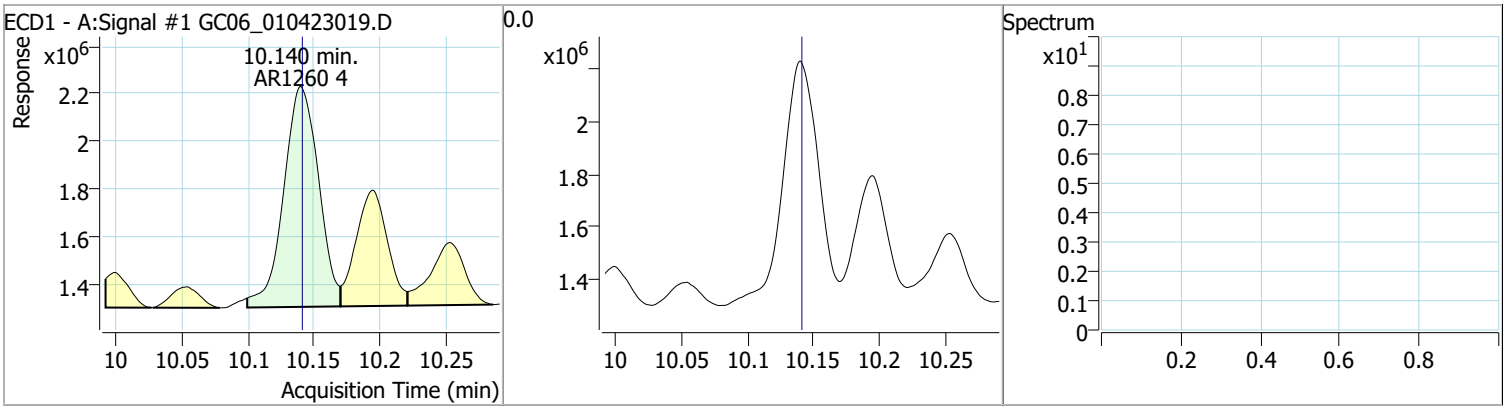
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	448.2957	9.66	0.00	2859816				



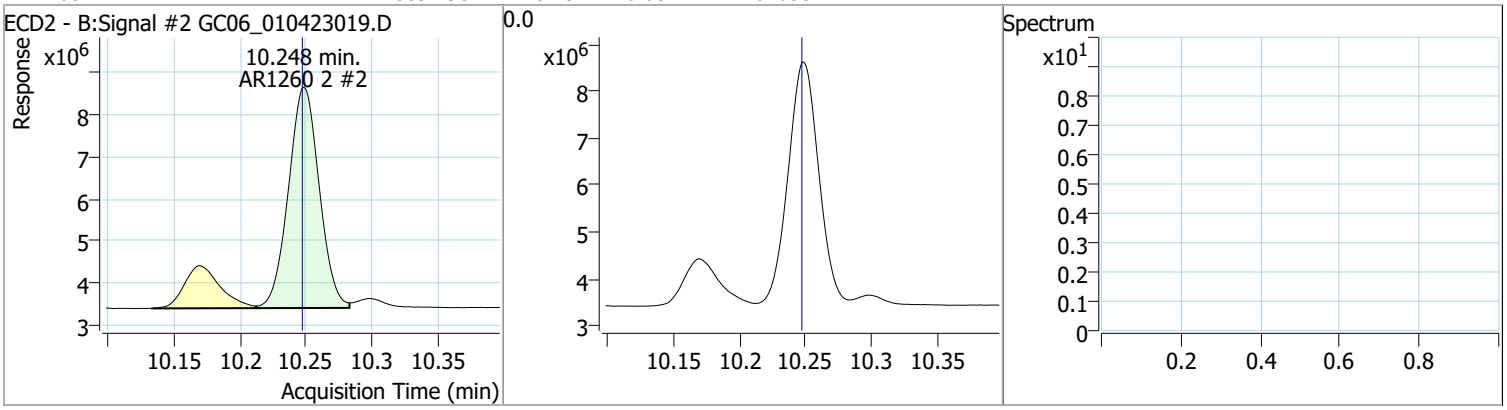
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	439.4413	9.99	0.00	7098956				



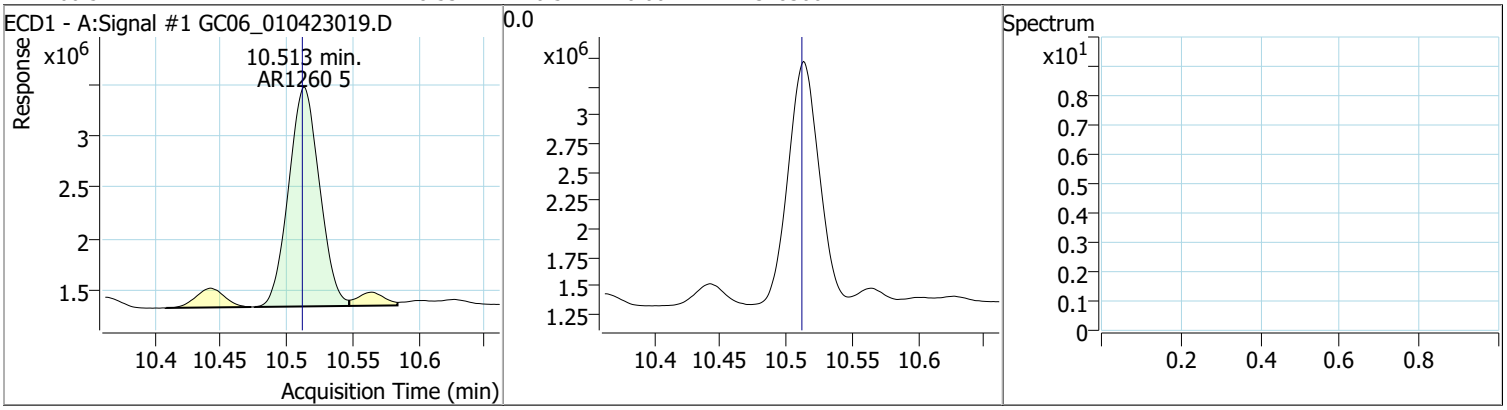
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	508.2416	10.14	0.00	1707023				



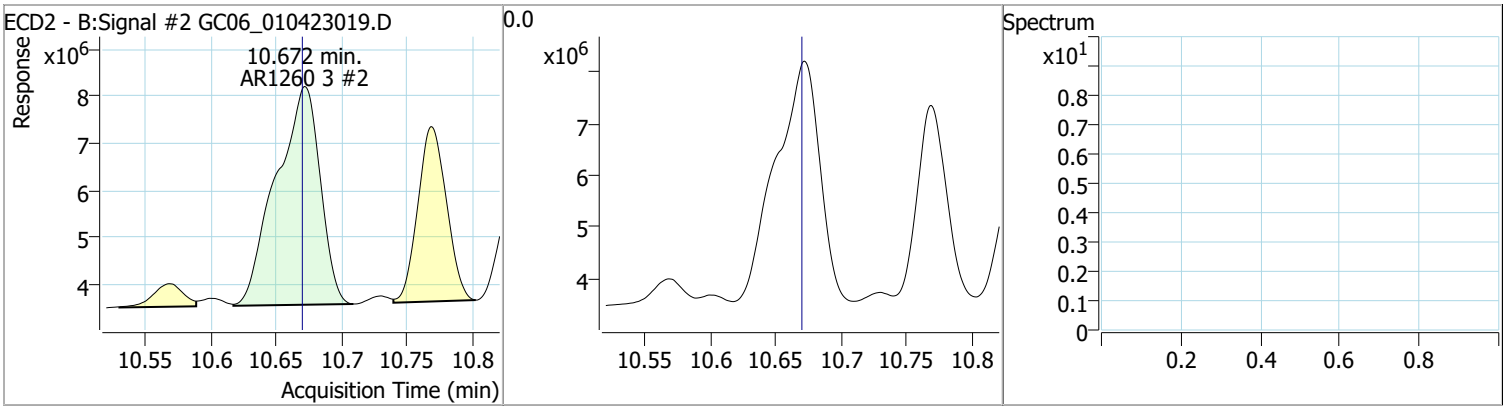
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	509.7982	10.25	0.00	8465011				



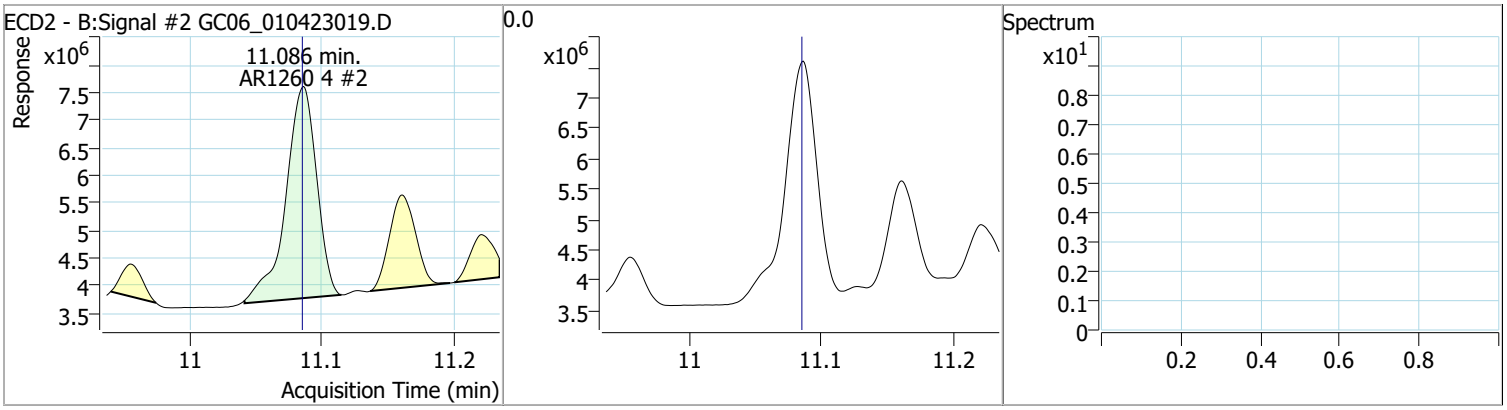
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.5377	10.51	0.00	3483004				



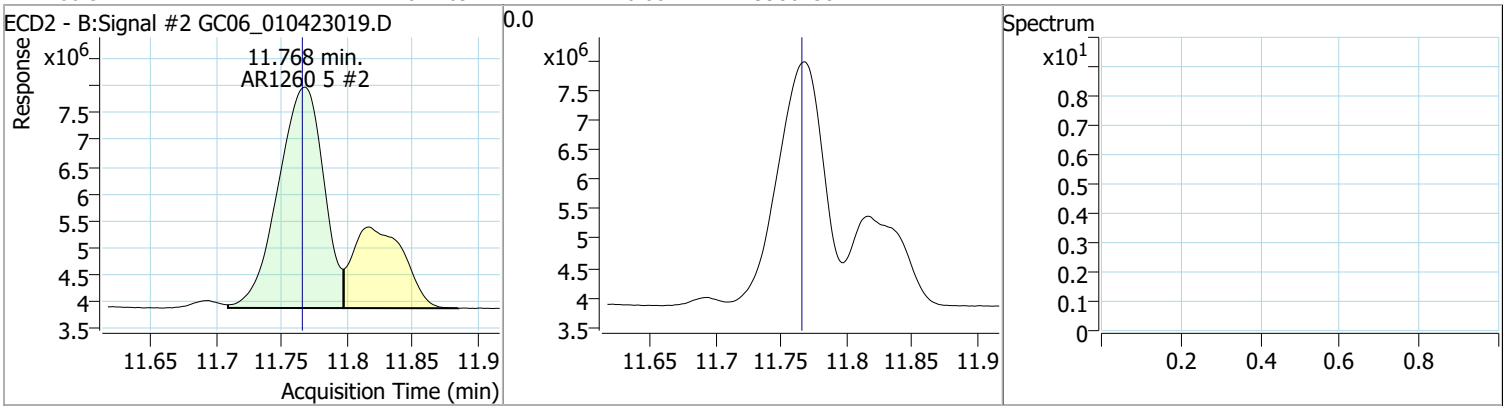
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	461.0207	10.67	0.00	10867873				



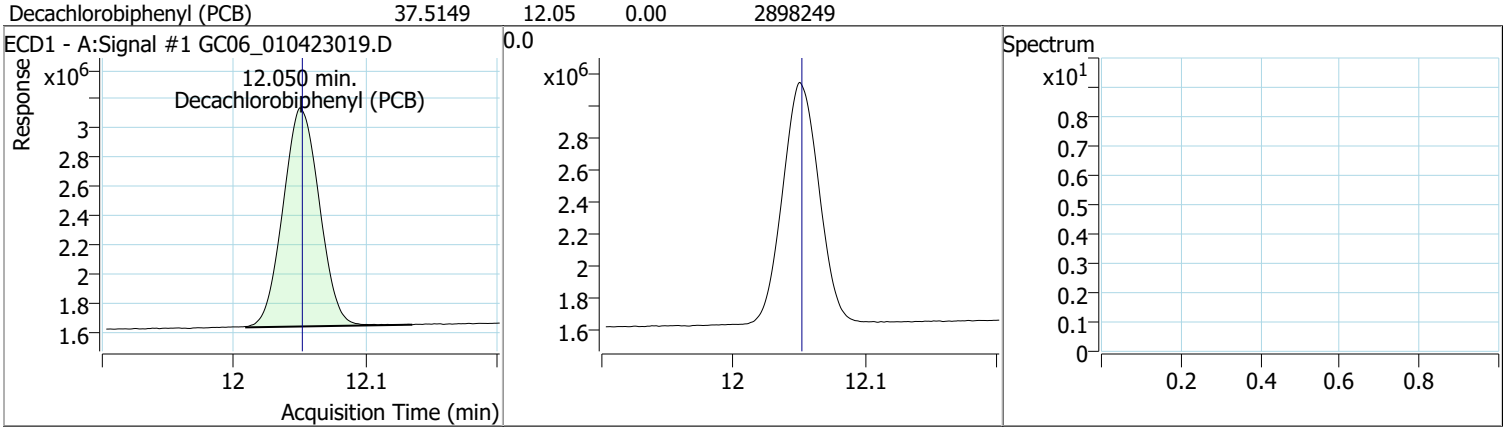
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	484.1055	11.09	0.00	6273599				



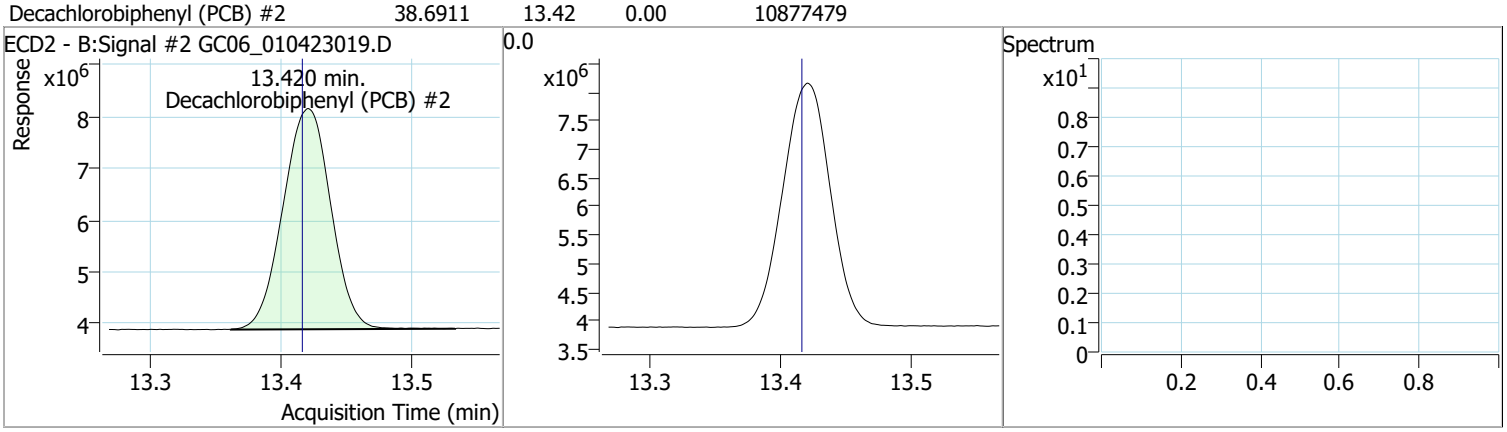
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	467.7694	11.77	0.00	9986258				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.5149	12.05	0.00	2898249				

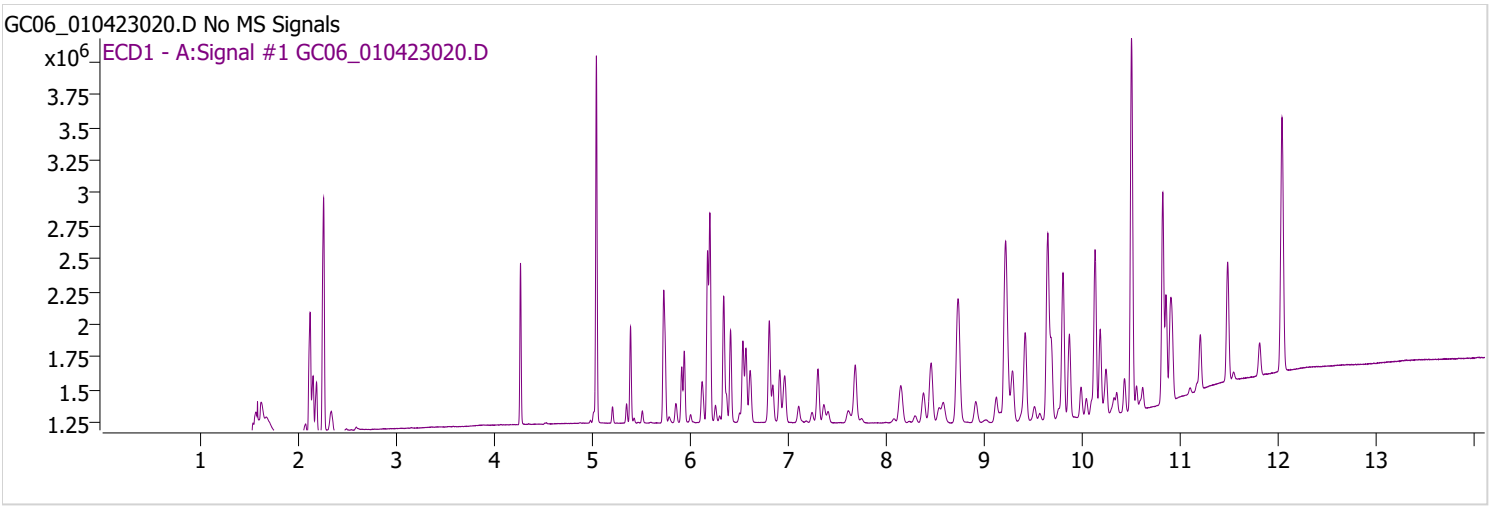


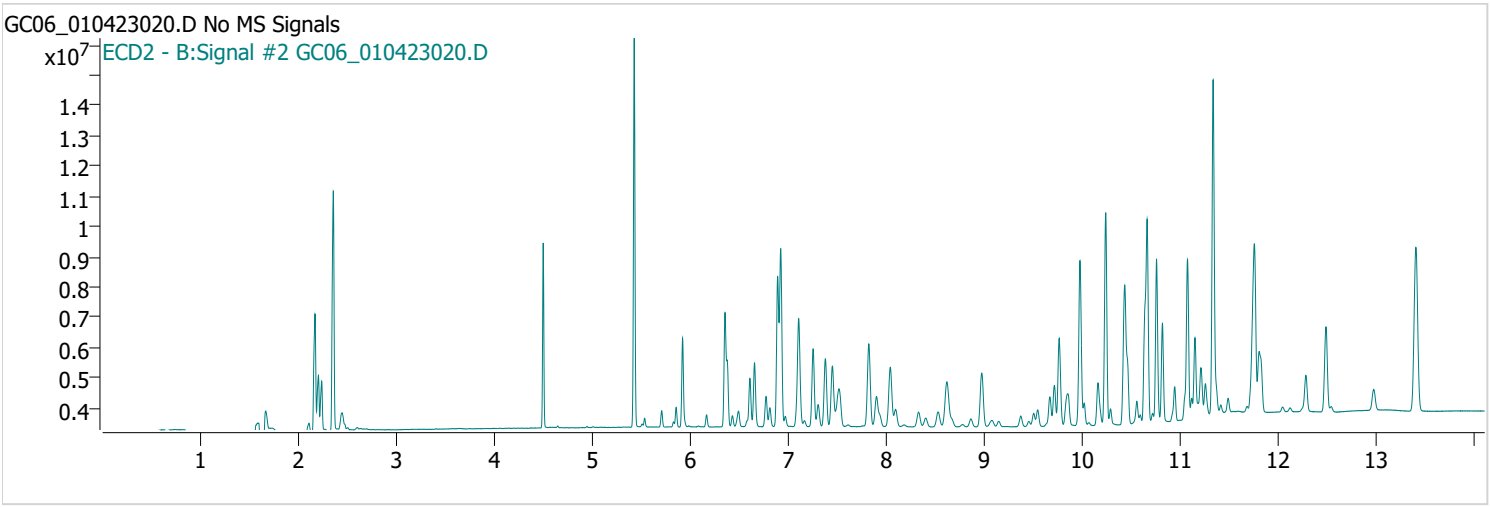
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.6911	13.42	0.00	10877479				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:21:19 PM
Sample Name	ICAL, S17802	Instrument	SVOA-GC06
Vial	27	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



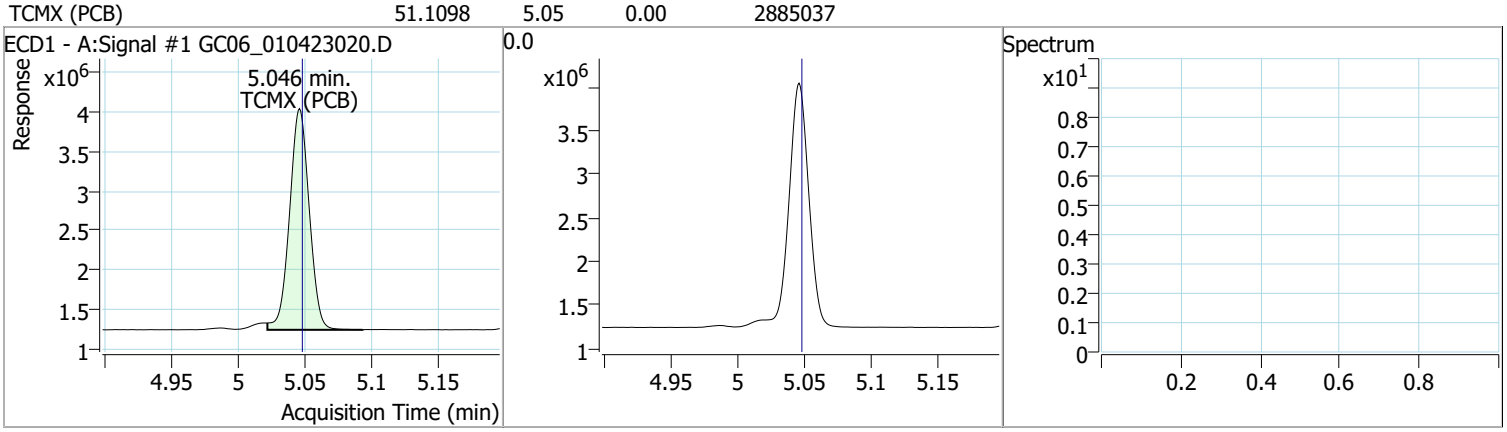


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.271	0.0	1139136.334	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.503	0.0	5294329.589	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	2885037.118	51.1098	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 255.55%		*	
S TCMX (PCB) #2	5.433	0.0	13456010.553	51.8417	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 259.21%		*	
S Decachlorobiphenyl (PCB)	12.051	0.0	3732054.563	47.0169	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.08%		*	
S Decachlorobiphenyl (PCB) #2	13.418	0.0	13826231.110	48.1085	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.54%		*	
Target Compounds							QValue

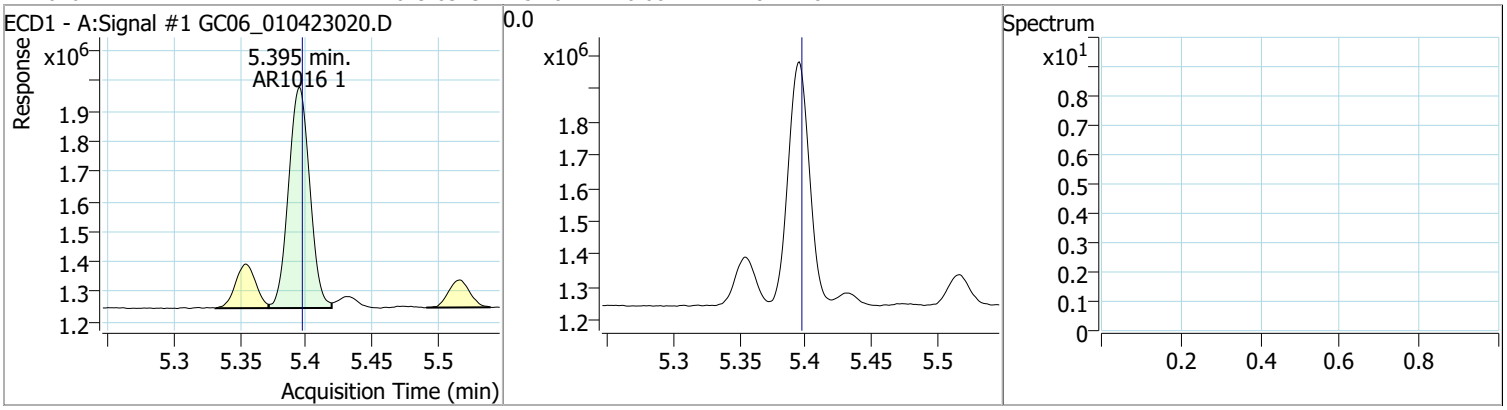
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.395	0.0	817728.411	629.8313	ng/ml		100
T AR1016 2	5.734	0.0	1716608.871	733.8581	ng/ml		100
T AR1016 1 #2	5.927	0.0	3701714.155	632.9615	ng/ml		100
T AR1016 3	6.205	0.0	2171380.272	667.9542	ng/ml		100
T AR1016 4	6.347	0.0	1351205.824	651.6422	ng/ml	m	100
T AR1016 2 #2	6.360	0.0	5581216.036	661.7853	ng/ml	m	100
T AR1016 5	6.543	0.0	924502.449	679.0706	ng/ml		100
T AR1016 3 #2	6.929	0.0	9532234.137	641.9837	ng/ml		100
T AR1016 4 #2	7.113	0.0	7081495.436	653.5633	ng/ml		100
T AR1016 5 #2	7.829	0.0	5705739.695	656.9673	ng/ml		100
T AR1260 1	8.741	0.0	2538932.440	602.0658	ng/ml		100
T AR1260 2	9.228	0.0	3662753.692	623.2438	ng/ml		100
T AR1260 3	9.658	0.0	3973468.150	606.2258	ng/ml		100
T AR1260 1 #2	9.987	0.0	9703380.042	587.5768	ng/ml		100
T AR1260 4	10.141	0.0	2339693.693	677.9976	ng/ml		100
T AR1260 2 #2	10.250	0.0	11507400.400	698.5178	ng/ml		100
T AR1260 5	10.513	0.0	4710304.192	629.8677	ng/ml		100
T AR1260 3 #2	10.673	0.0	15177203.232	629.8002	ng/ml		100
T AR1260 4 #2	11.085	0.0	8552396.276	645.5743	ng/ml		100
T AR1260 5 #2	11.768	0.0	13983843.634	640.7532	ng/ml		100

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

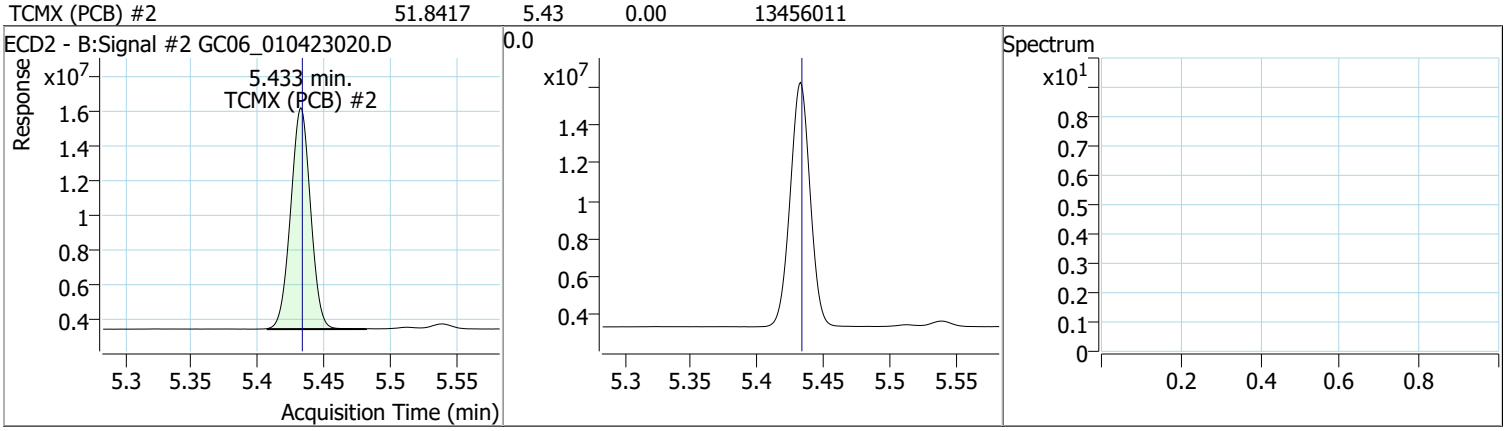
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.1098	5.05	0.00	2885037				



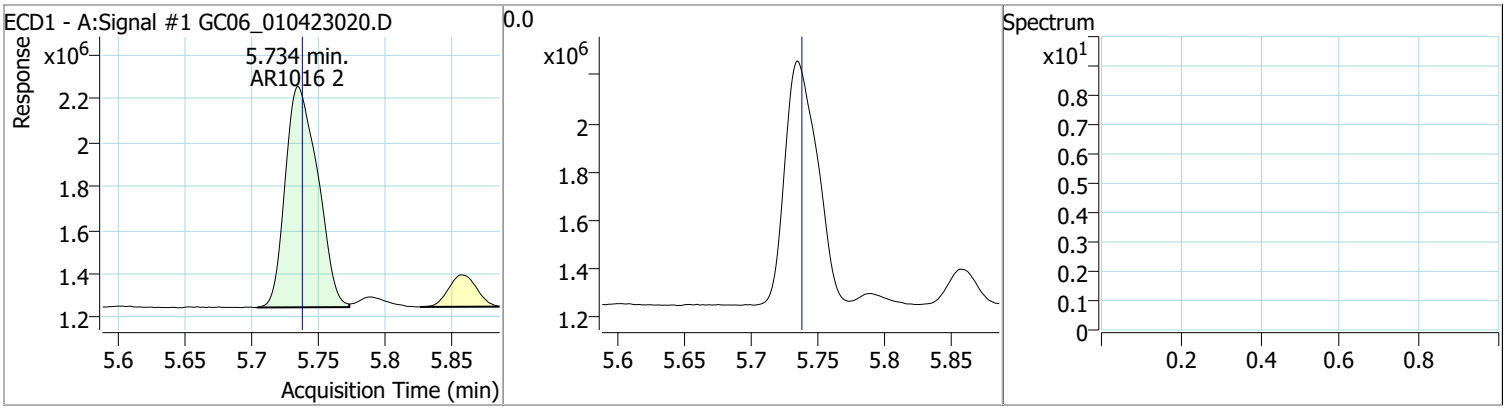
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	629.8313	5.40	0.00	817728				



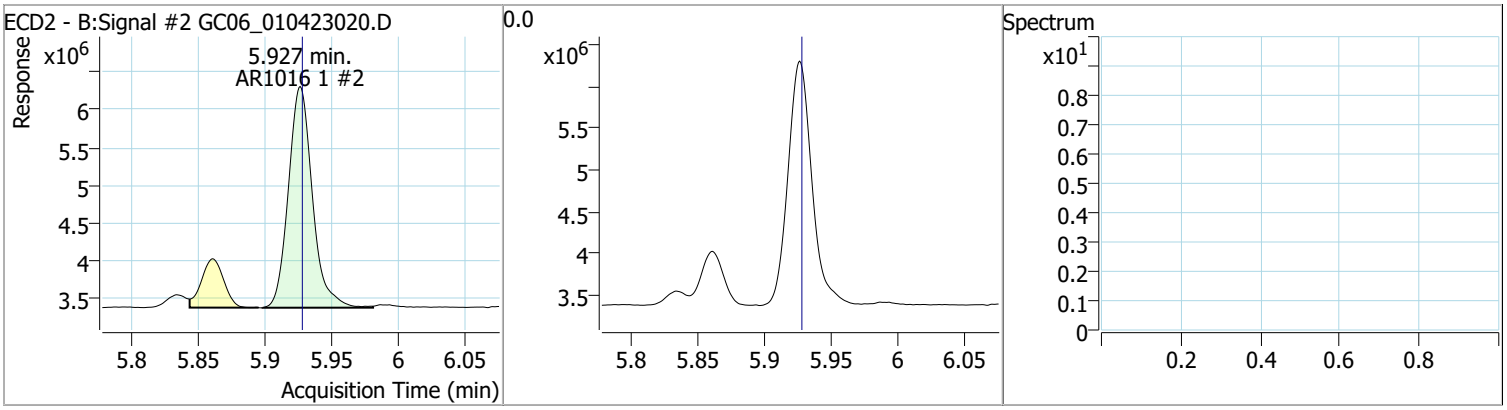
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	51.8417	5.43	0.00	13456011				



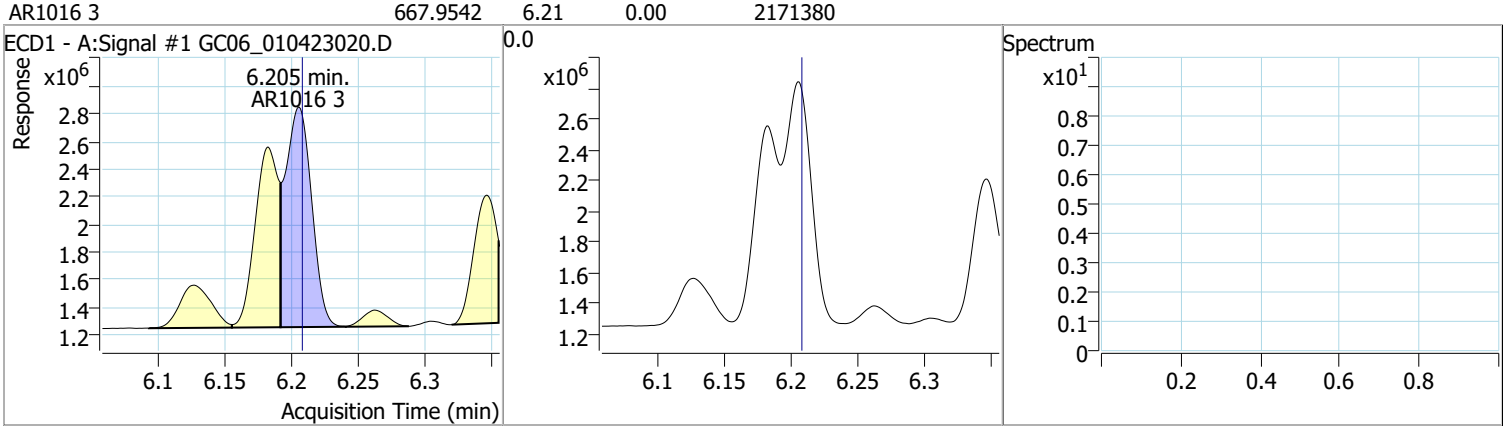
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	733.8581	5.73	0.00	1716609				



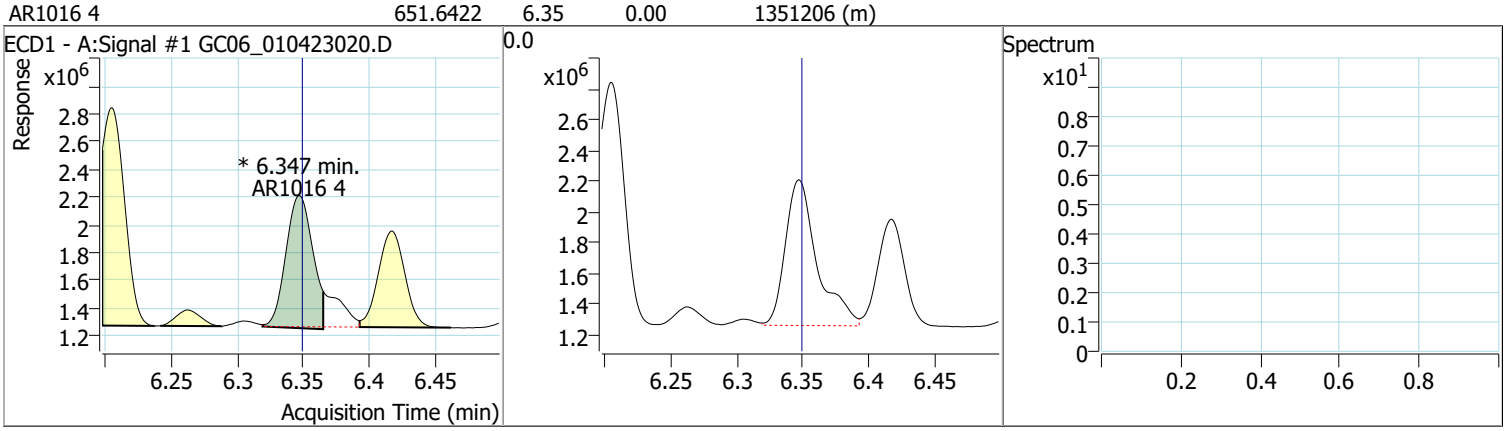
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	632.9615	5.93	0.00	3701714				



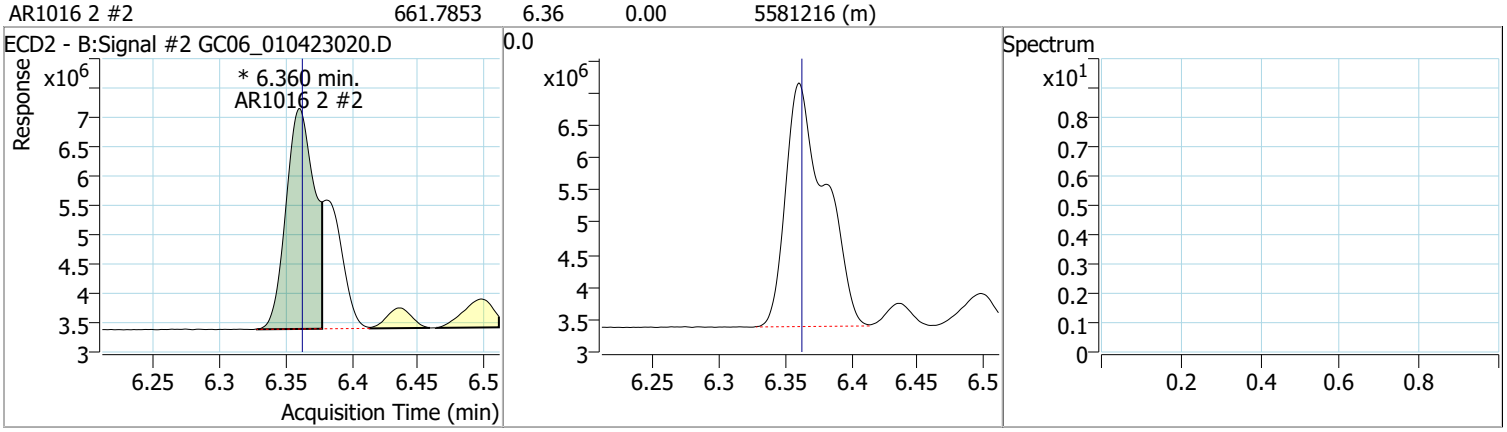
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	667.9542	6.21	0.00	2171380				



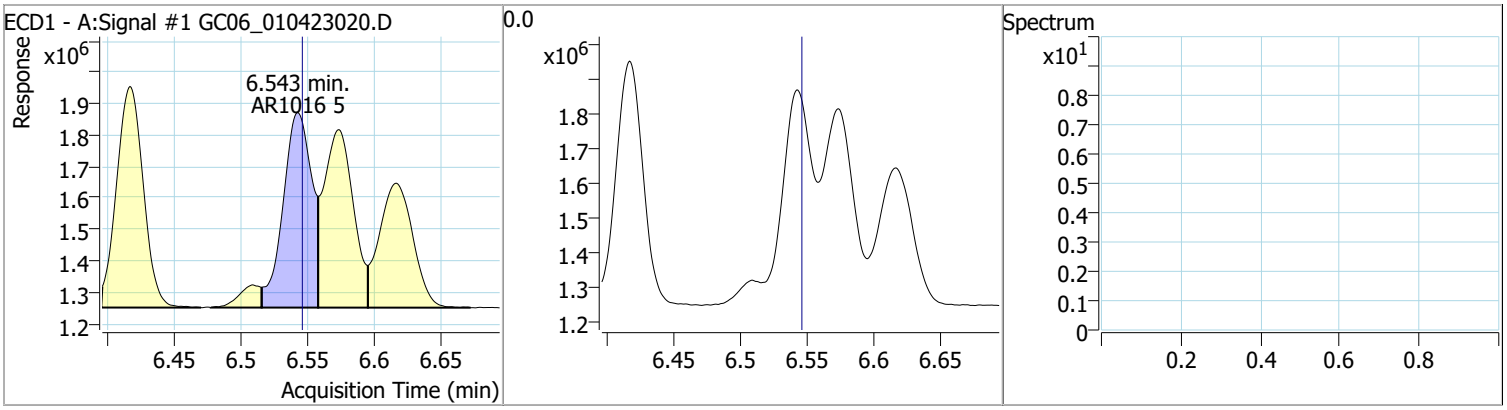
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	651.6422	6.35	0.00	1351206 (m)				



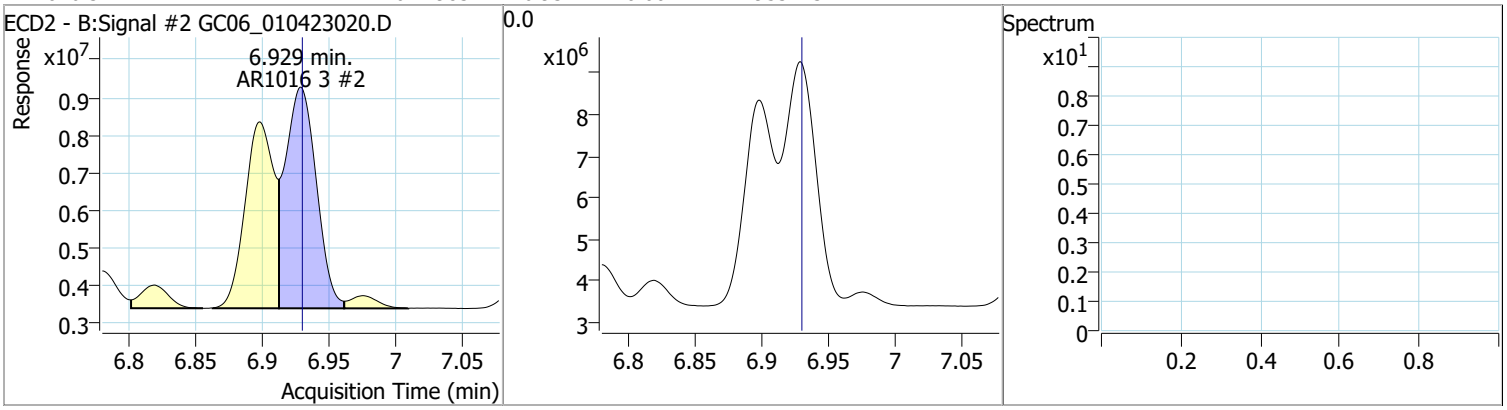
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	661.7853	6.36	0.00	5581216 (m)				



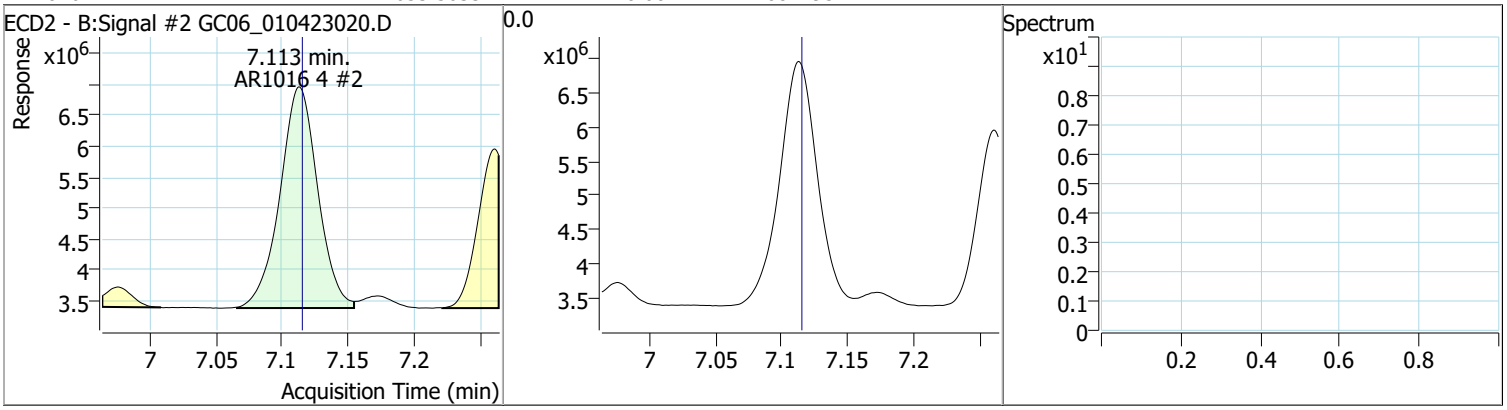
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	679.0706	6.54	0.00	924502				



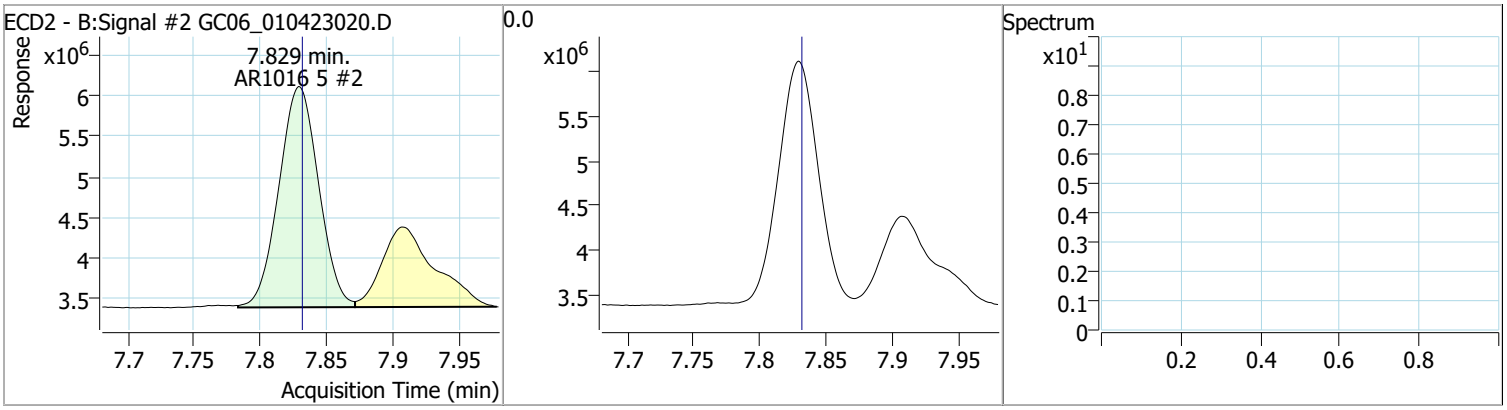
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	641.9837	6.93	0.00	9532234				



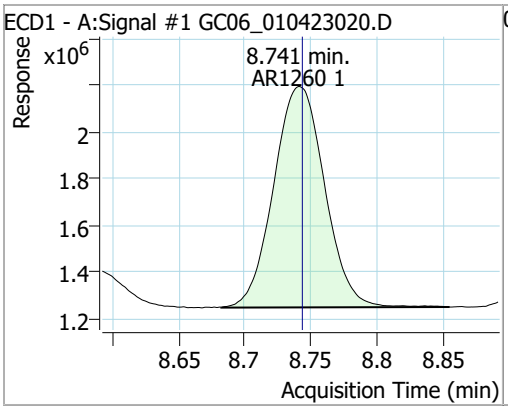
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	653.5633	7.11	0.00	7081495				

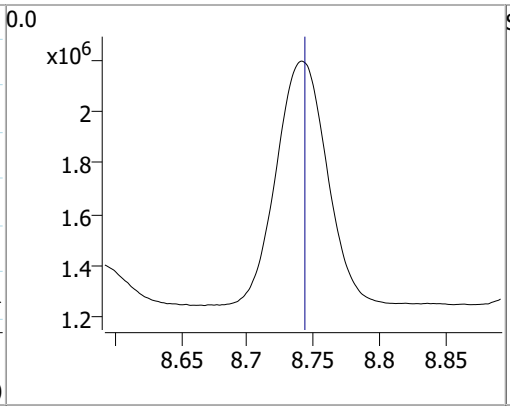


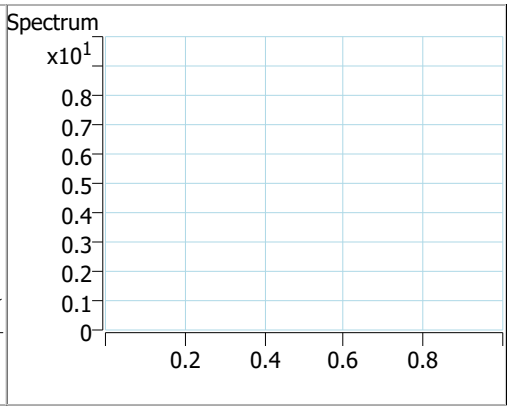
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	656.9673	7.83	0.00	5705740				



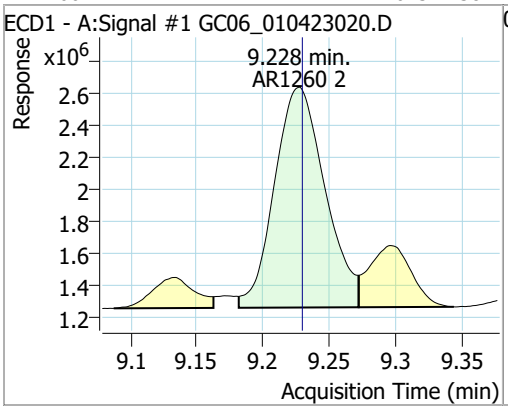
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	602.0658	8.74	0.00	2538932				

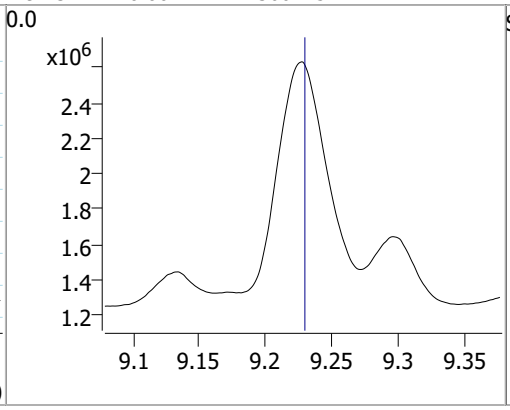


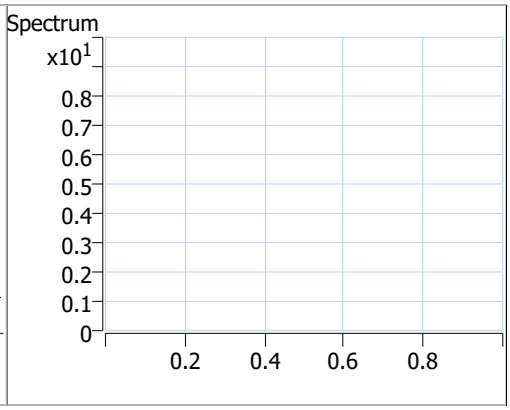




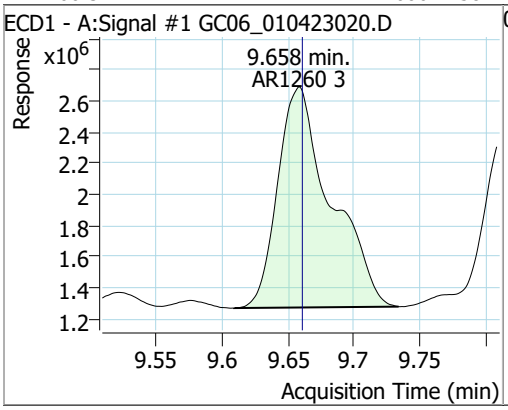
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	623.2438	9.23	0.00	3662754				

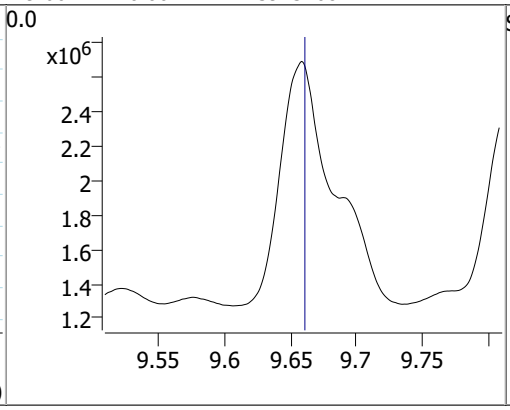


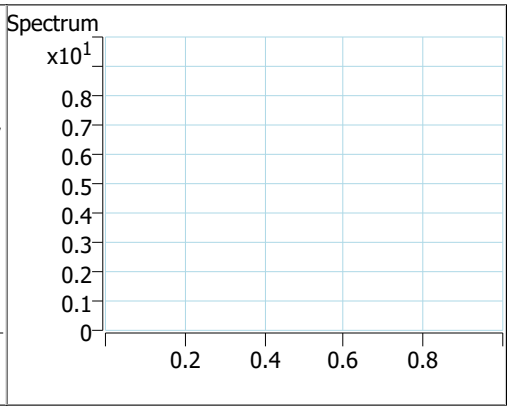




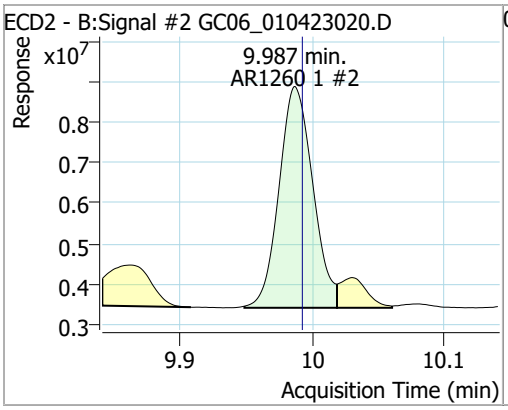
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	606.2258	9.66	0.00	3973468				

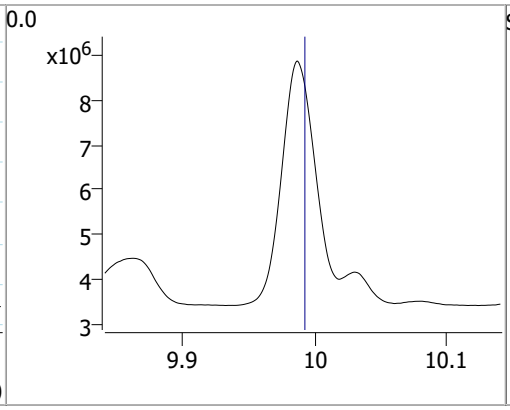


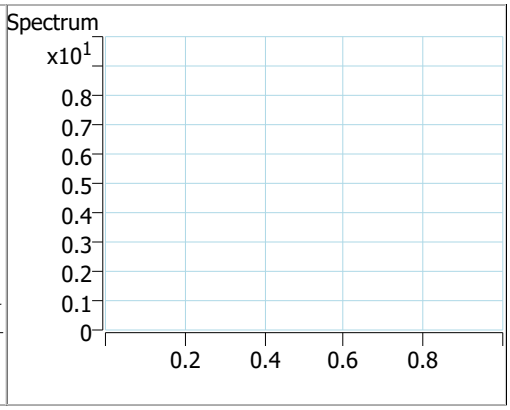




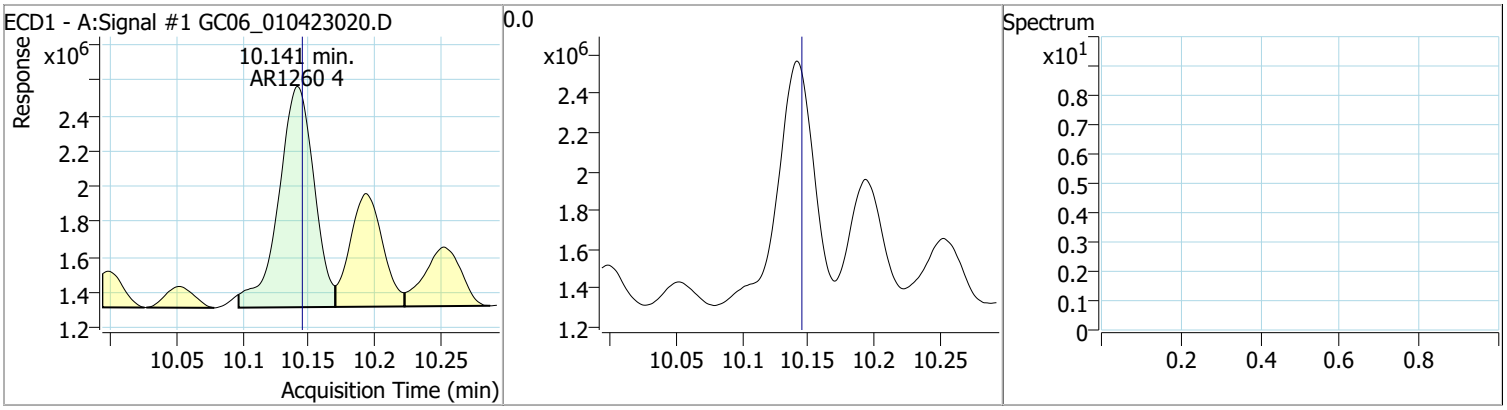
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	587.5768	9.99	0.00	9703380				



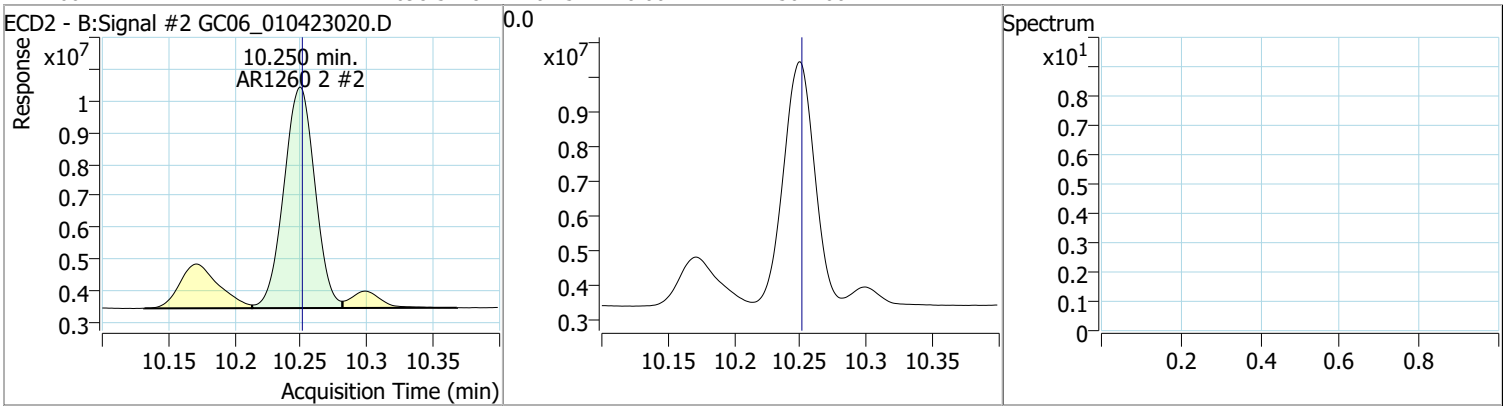




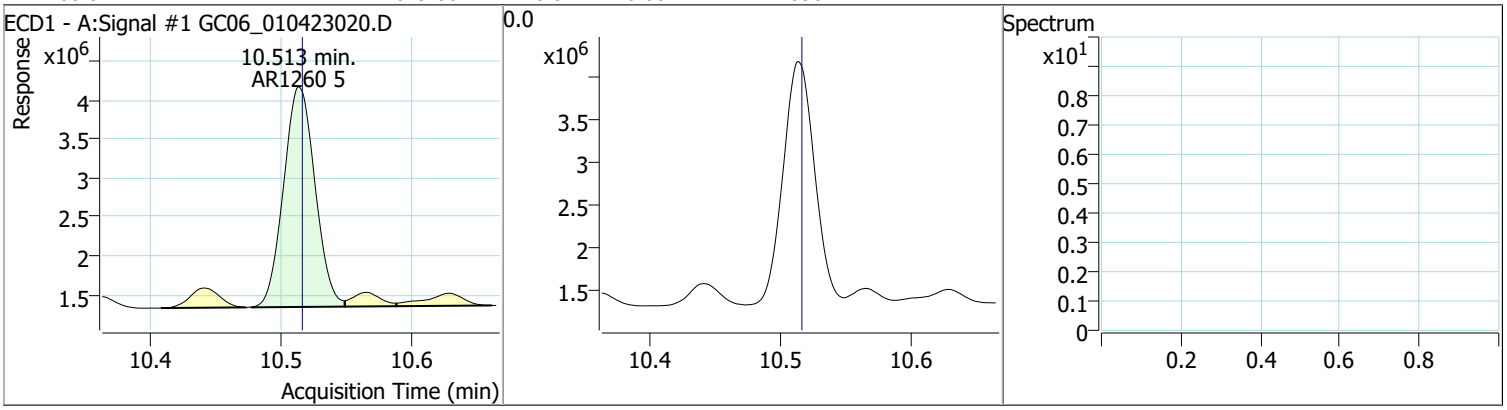
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	677.9976	10.14	0.00	2339694				



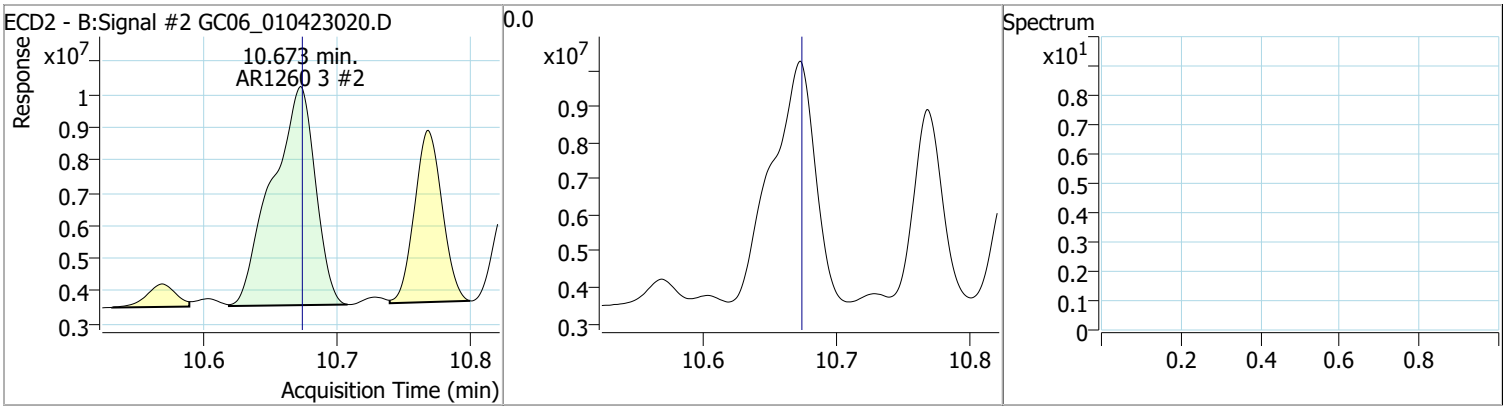
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	698.5178	10.25	0.00	11507400				



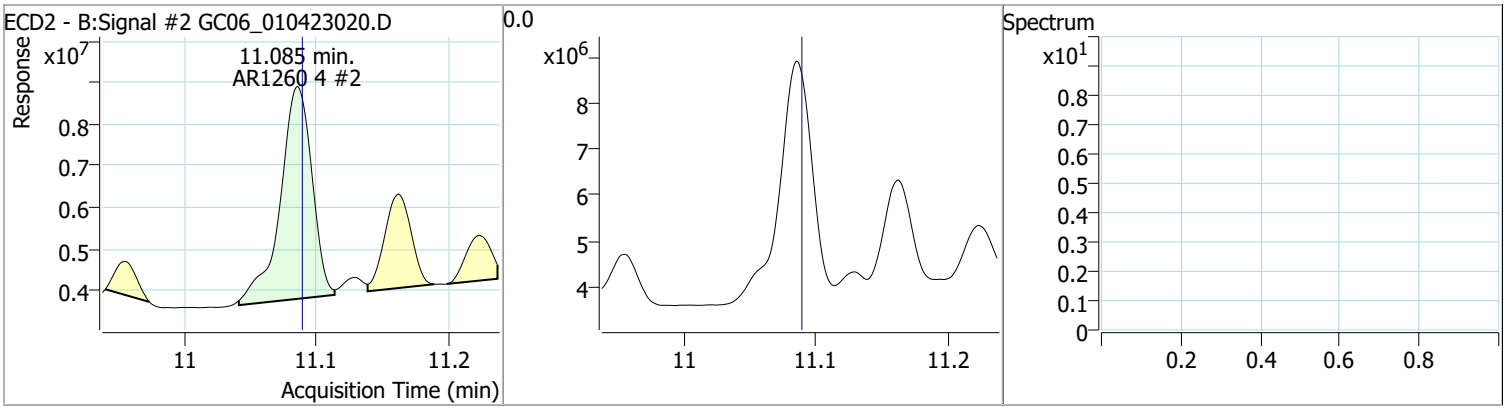
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	629.8677	10.51	0.00	4710304				



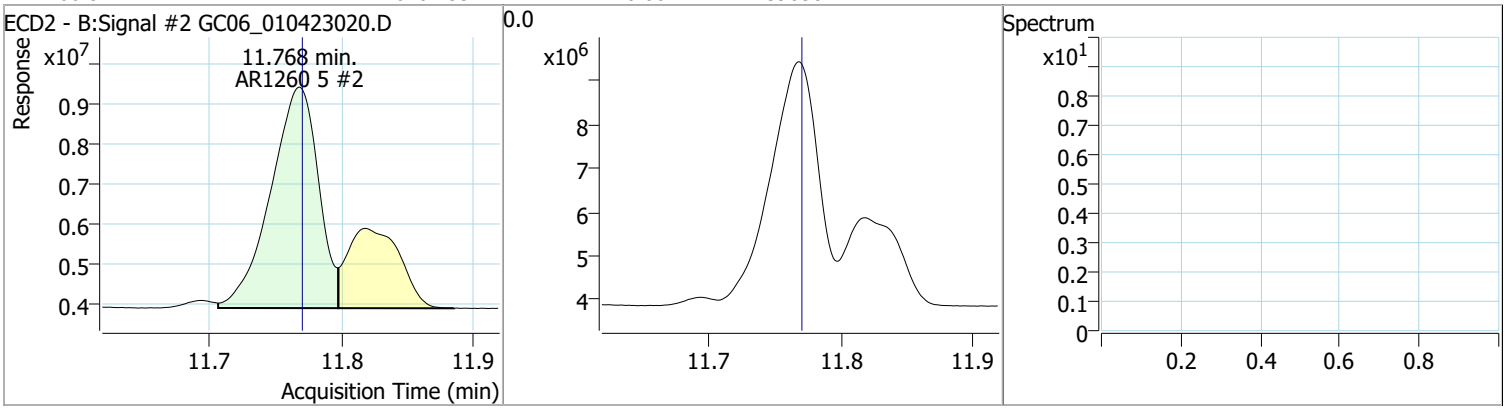
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	629.8002	10.67	0.00	15177203				



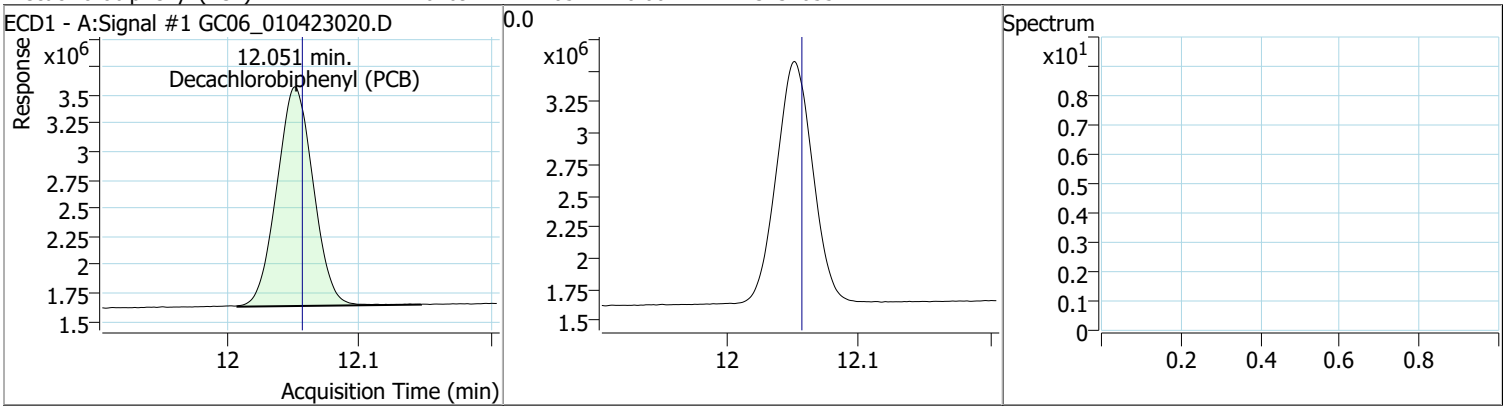
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	645.5743	11.09	0.00	8552396				



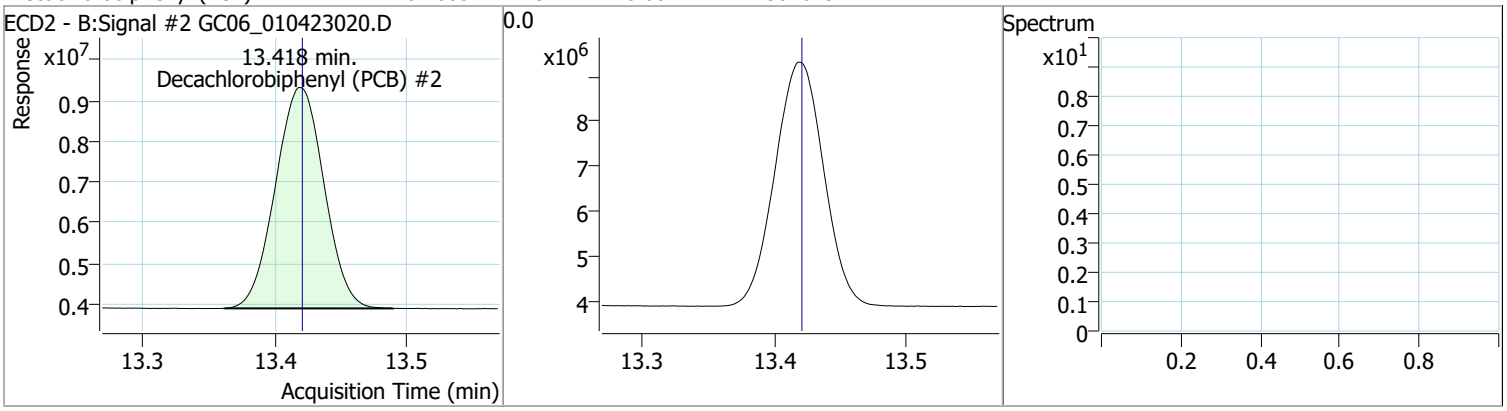
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	640.7532	11.77	0.00	13983844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.0169	12.05	0.00	3732055				

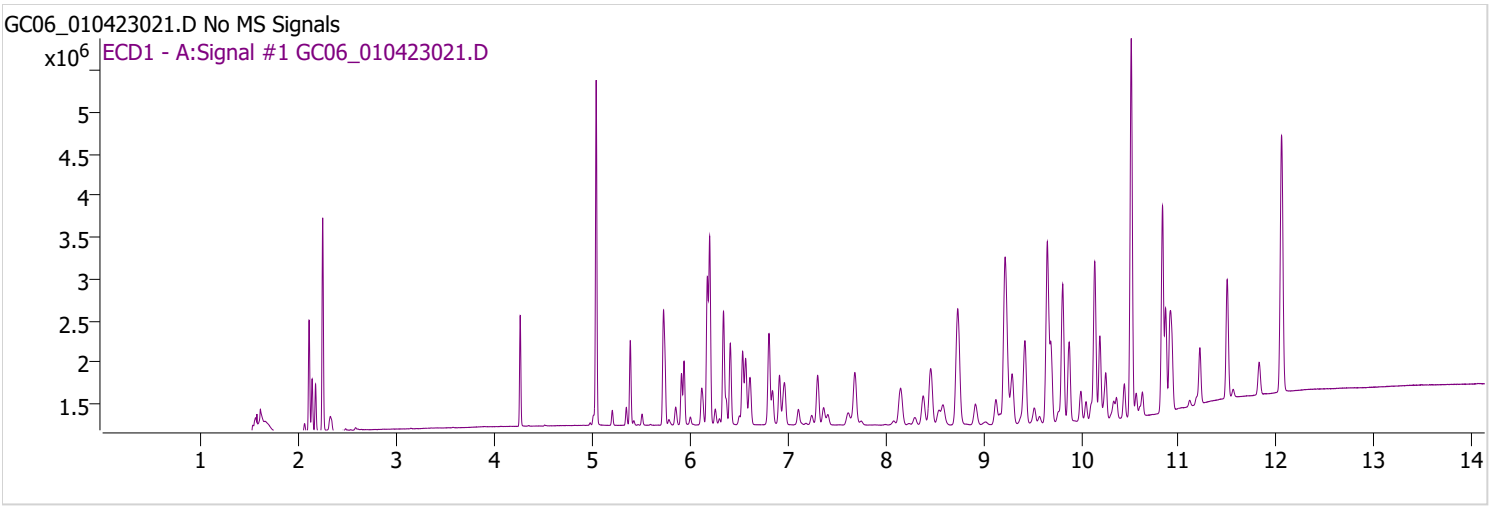


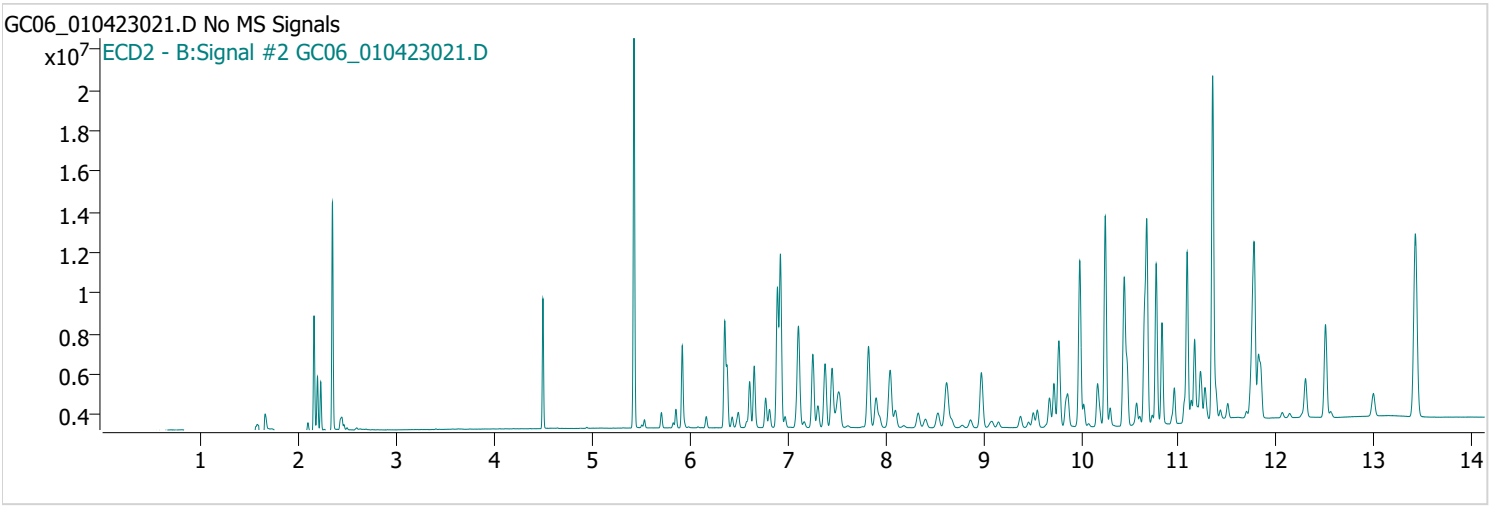
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	48.1085	13.42	0.00	13826231				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:39:41 PM
Sample Name	ICAL, S17803	Instrument	SVOA-GC06
Vial	28	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



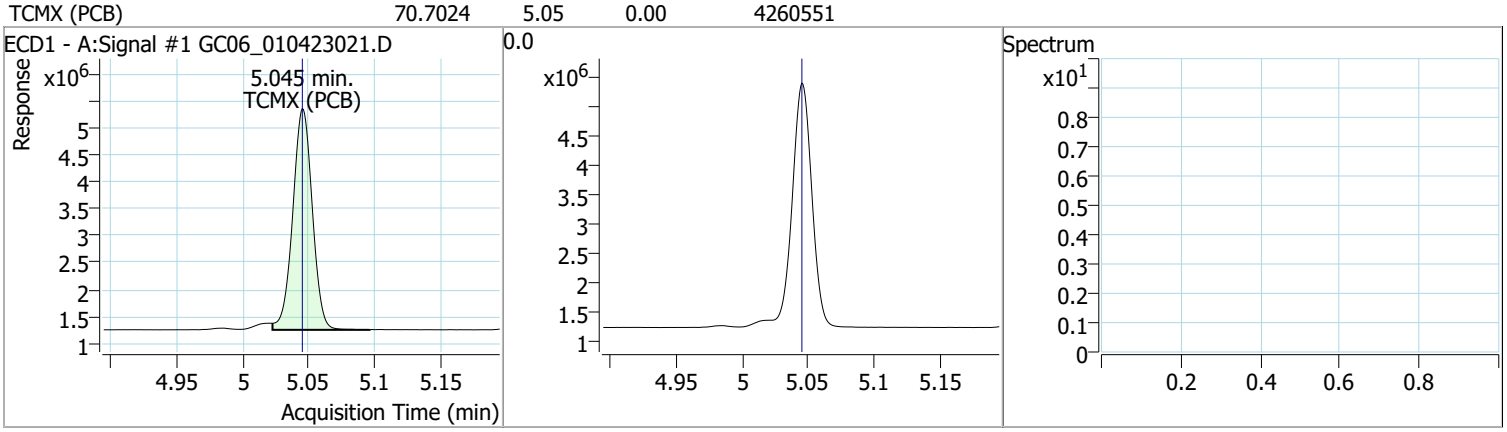


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.268	0.0	1216073.263	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.501	0.0	5630657.341	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	4260551.390	70.7024	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 353.51%		*	
S TCMX (PCB) #2	5.432	0.0	20029958.048	72.5596	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 362.80%		*	
S Decachlorobiphenyl (PCB)	12.050	0.0	5940391.807	70.1031	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.52%		*	
S Decachlorobiphenyl (PCB) #2	13.417	0.0	22195108.160	72.6152	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.08%		*	
Target Compounds							QValue

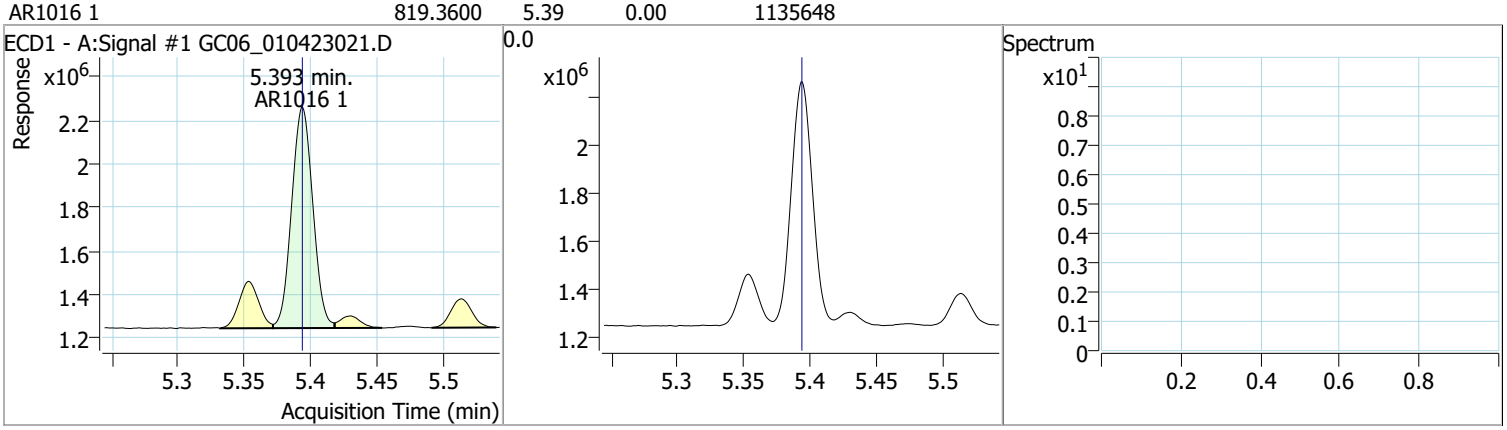
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.393	0.0	1135647.867	819.3600	ng/ml		100
T AR1016 2	5.734	0.0	2386042.458	992.9268	ng/ml		100
T AR1016 1 #2	5.925	0.0	5134646.656	825.5376	ng/ml		100
T AR1016 3	6.205	0.0	3025370.641	871.7768	ng/ml		100
T AR1016 4	6.347	0.0	1894807.993	855.9904	ng/ml	m	100
T AR1016 2 #2	6.359	0.0	7603646.500	847.7389	ng/ml	m	100
T AR1016 5	6.543	0.0	1306289.522	898.7984	ng/ml		100
T AR1016 3 #2	6.928	0.0	13682720.123	866.4702	ng/ml		100
T AR1016 4 #2	7.112	0.0	10142494.088	880.1553	ng/ml		100
T AR1016 5 #2	7.828	0.0	8231114.773	891.1326	ng/ml		100
T AR1260 1	8.740	0.0	3733938.704	829.4228	ng/ml		100
T AR1260 2	9.225	0.0	5435798.485	866.4222	ng/ml		100
T AR1260 3	9.656	0.0	5997829.642	857.1854	ng/ml		100
T AR1260 1 #2	9.988	0.0	14377088.290	818.5862	ng/ml		100
T AR1260 4	10.141	0.0	3578497.875	971.3727	ng/ml		100
T AR1260 2 #2	10.248	0.0	17224269.573	1030.9030	ng/ml		100
T AR1260 5	10.513	0.0	7276533.711	911.4668	ng/ml		100
T AR1260 3 #2	10.672	0.0	23260782.528	907.5848	ng/ml		100
T AR1260 4 #2	11.085	0.0	13190411.018	936.2000	ng/ml		100
T AR1260 5 #2	11.768	0.0	21866262.437	942.0862	ng/ml		100

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

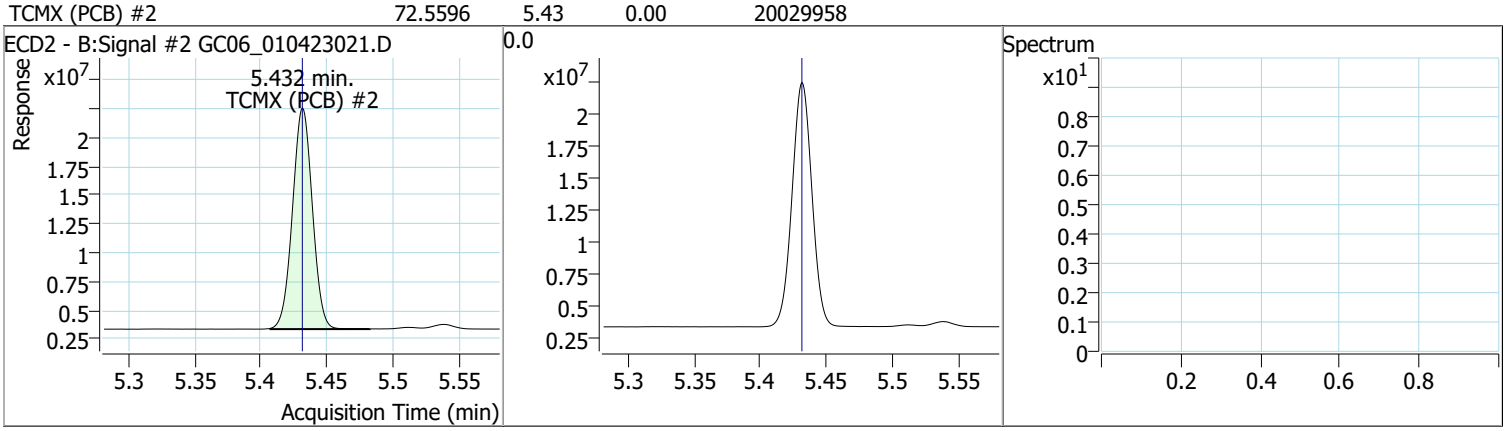
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	70.7024	5.05	0.00	4260551				



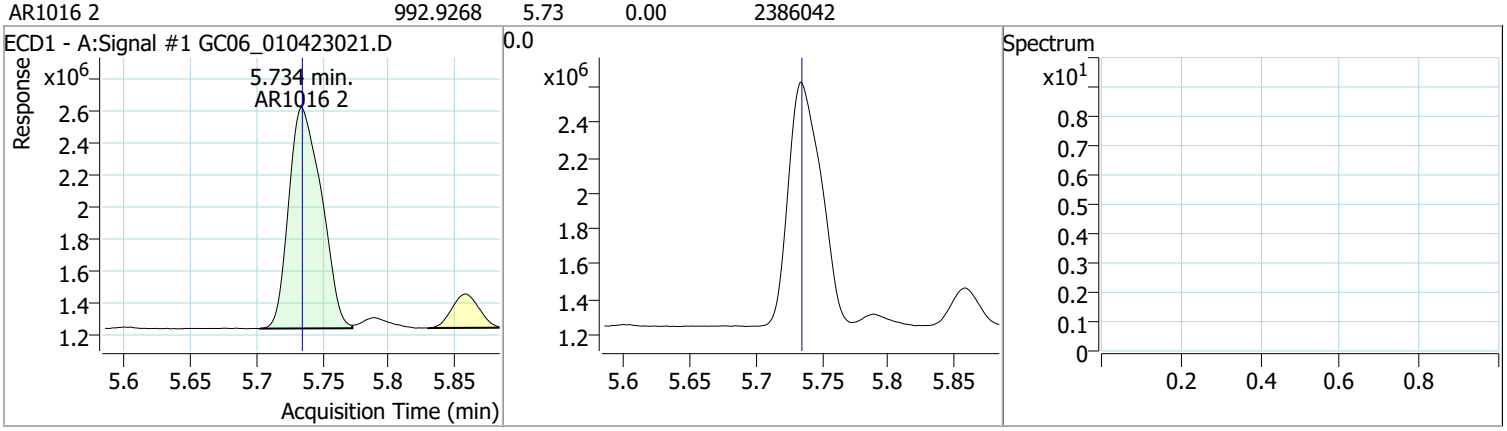
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	819.3600	5.39	0.00	1135648				



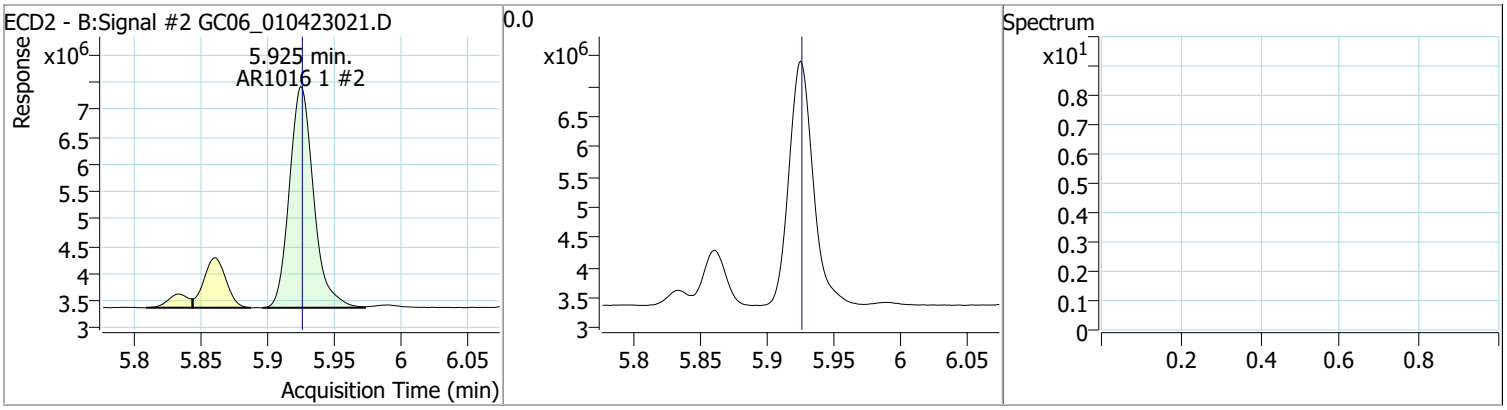
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	72.5596	5.43	0.00	20029958				



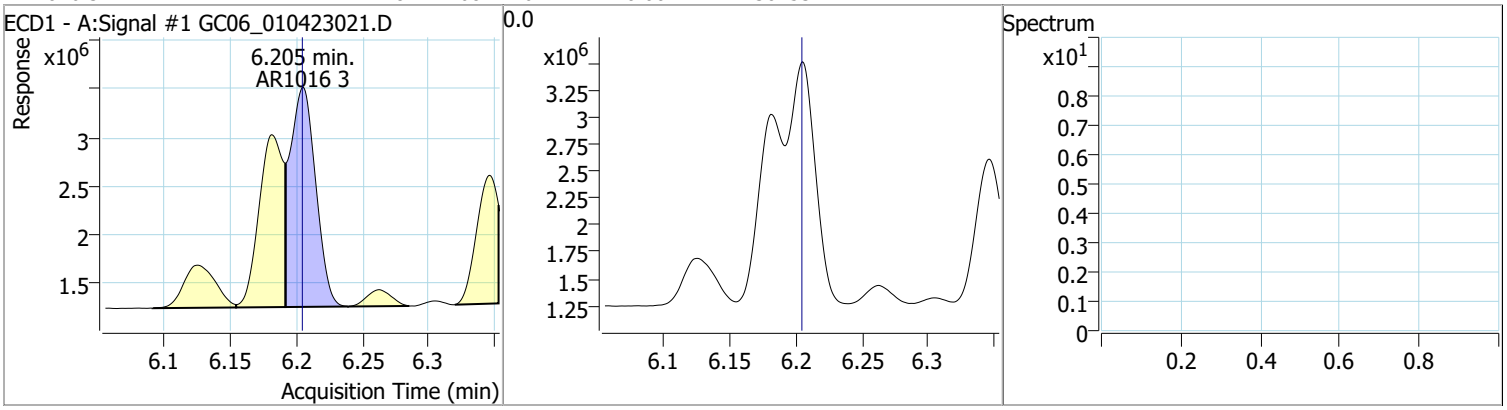
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	992.9268	5.73	0.00	2386042				



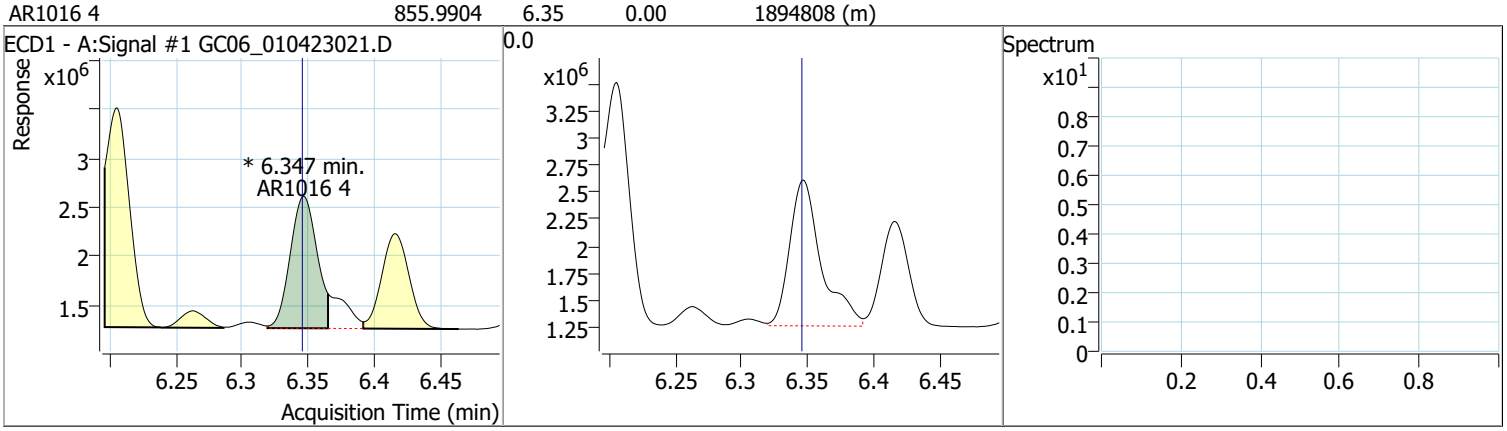
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	825.5376	5.93	0.00	5134647				



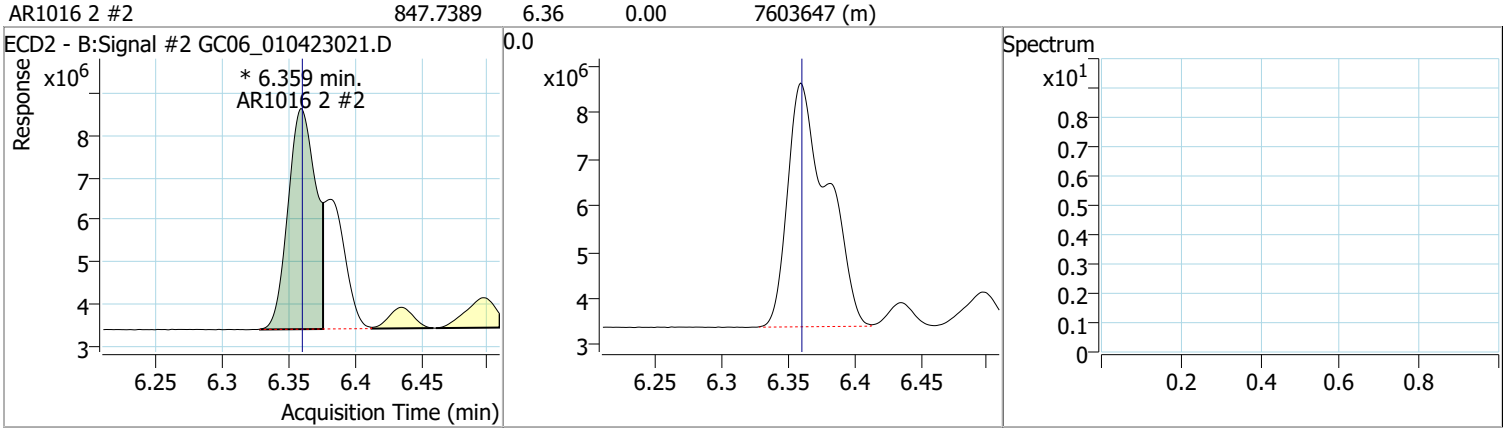
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	871.7768	6.21	0.00	3025371				



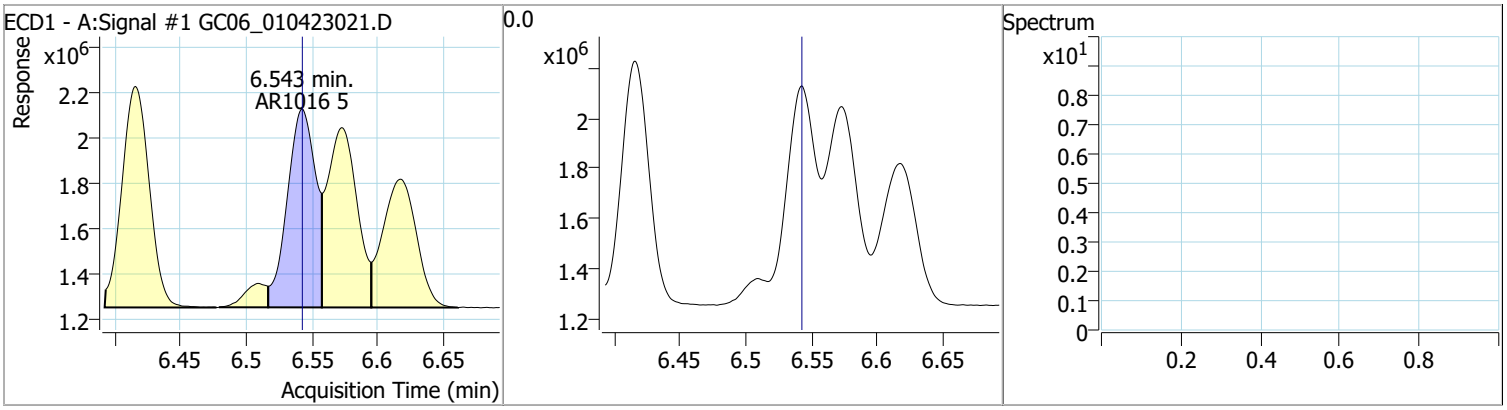
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	855.9904	6.35	0.00	1894808 (m)				



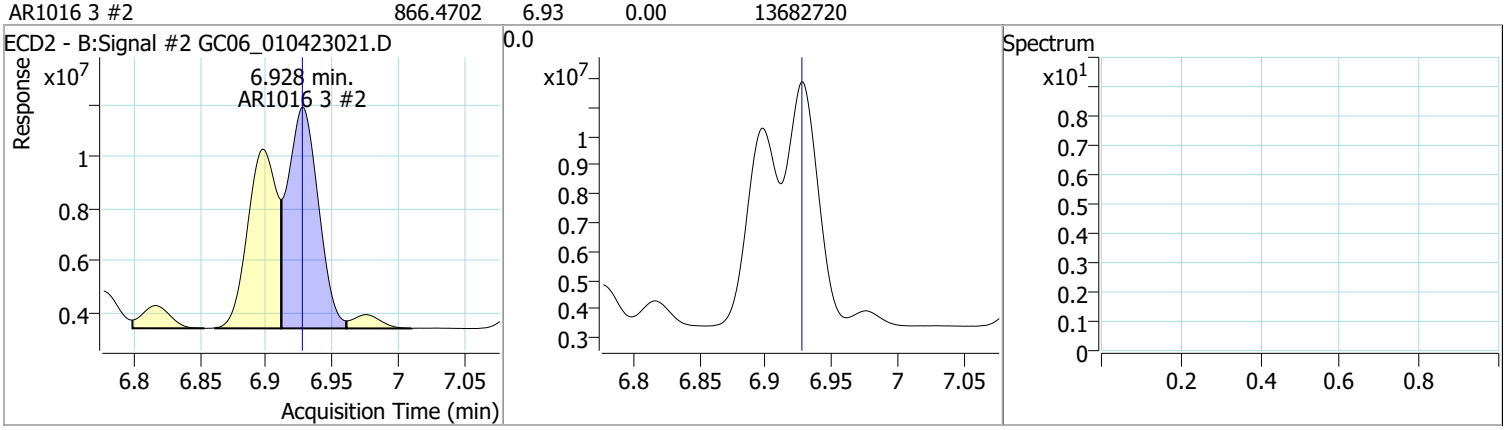
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	847.7389	6.36	0.00	7603647 (m)				



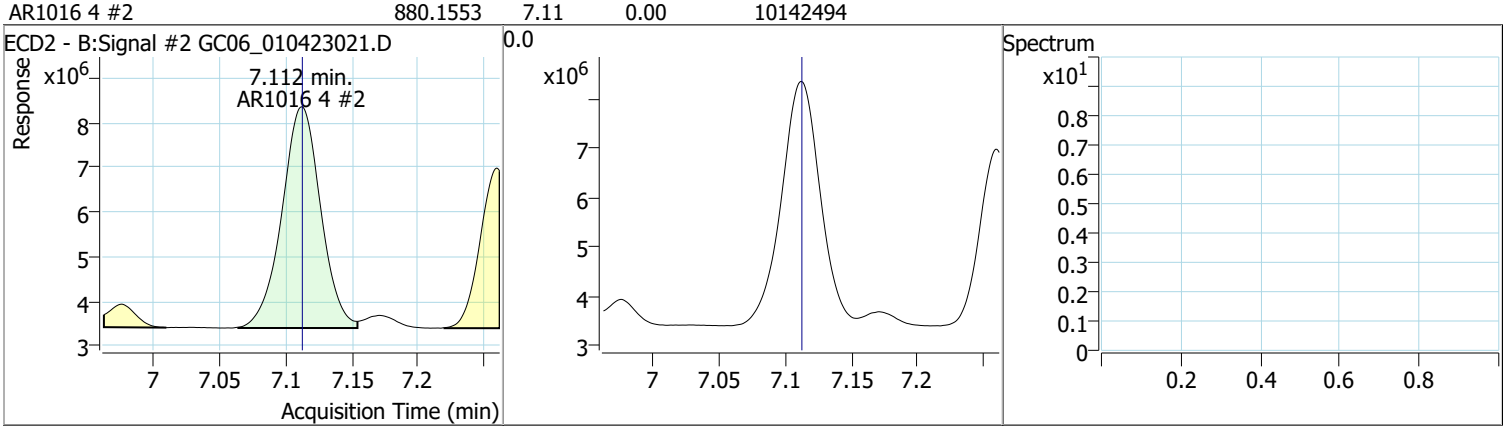
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	898.7984	6.54	0.00	1306290				



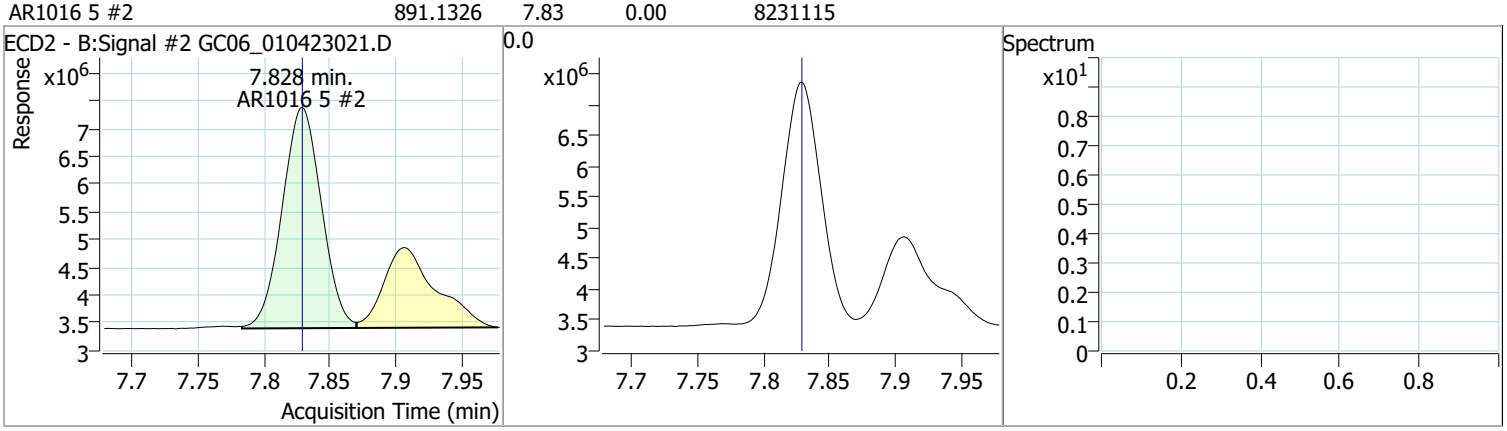
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	866.4702	6.93	0.00	13682720				



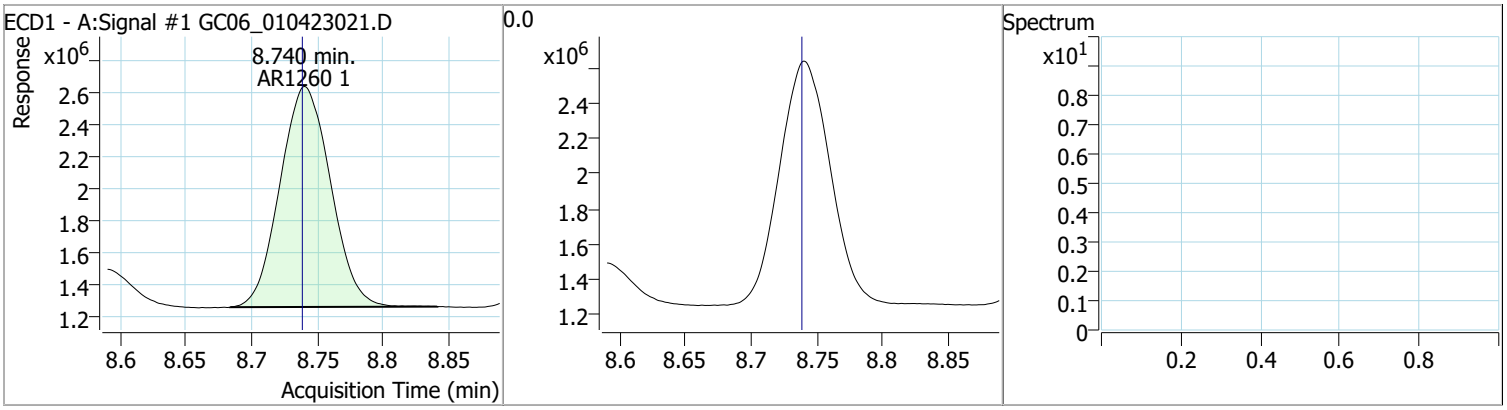
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	880.1553	7.11	0.00	10142494				



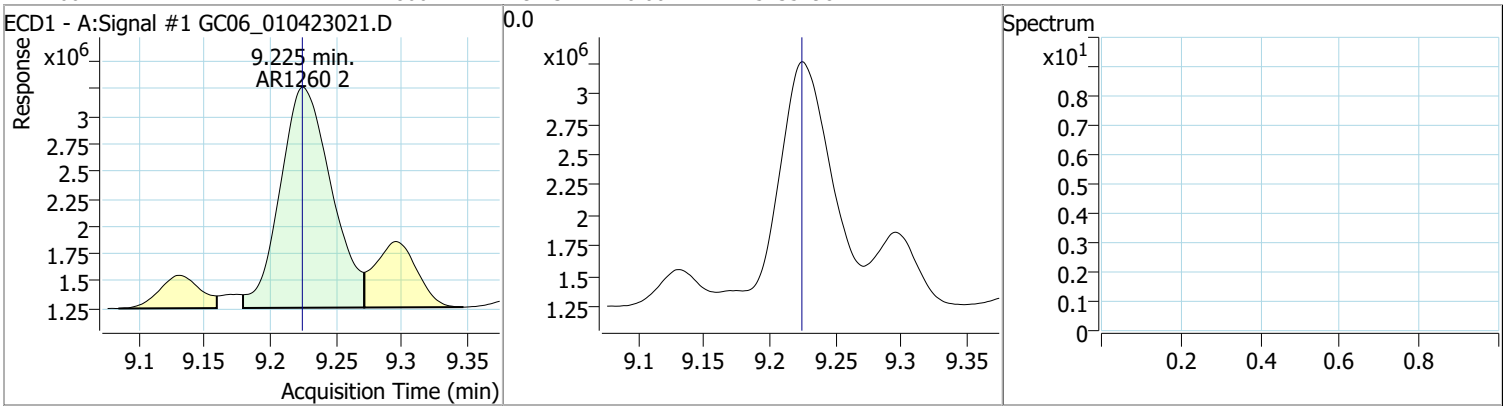
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	891.1326	7.83	0.00	8231115				



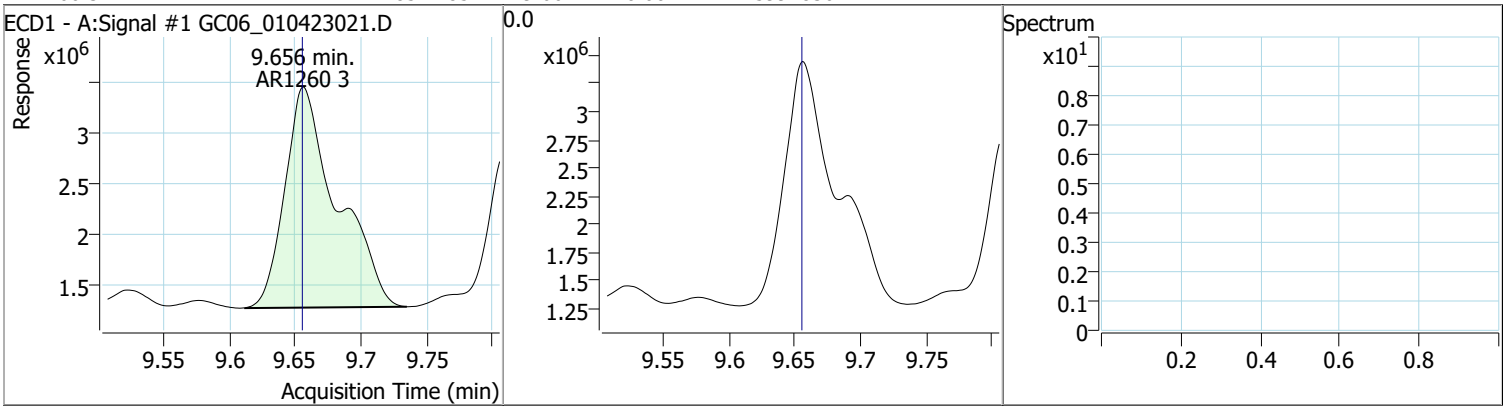
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	829.4228	8.74	0.00	3733939				



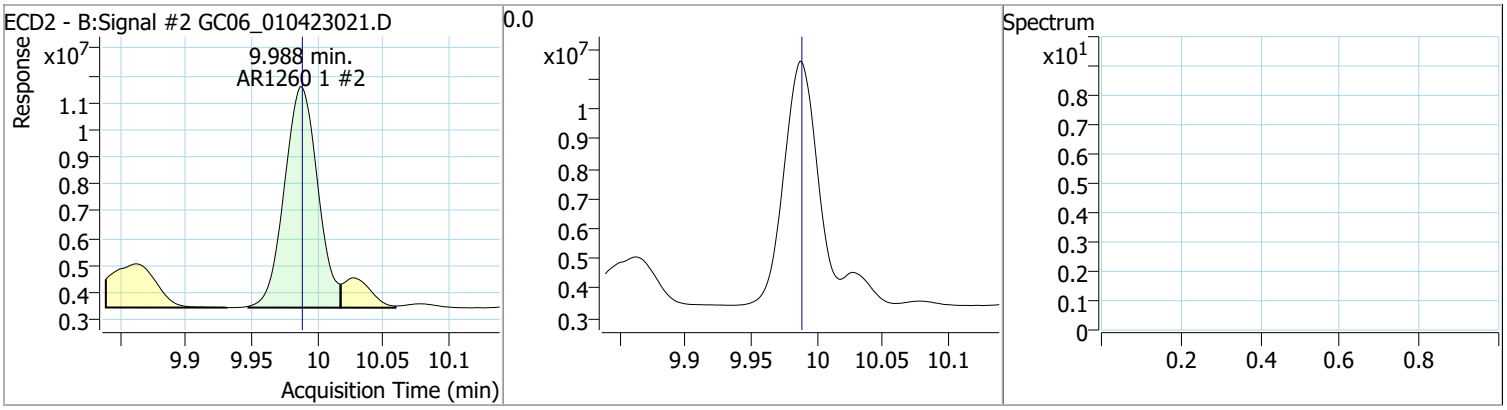
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	866.4222	9.23	0.00	5435798				



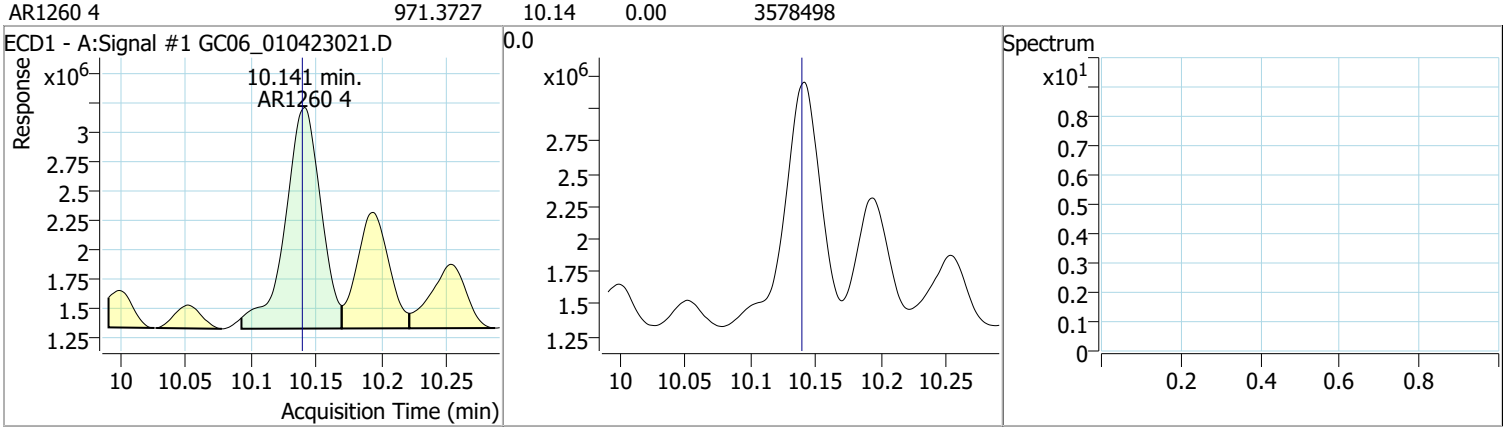
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	857.1854	9.66	0.00	5997830				



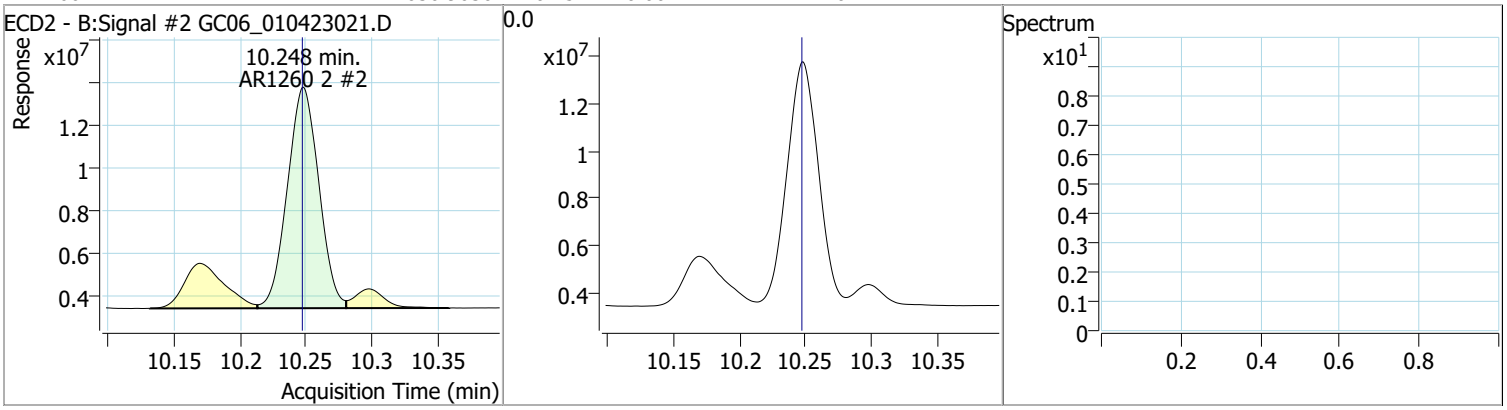
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	818.5862	9.99	0.00	14377088				



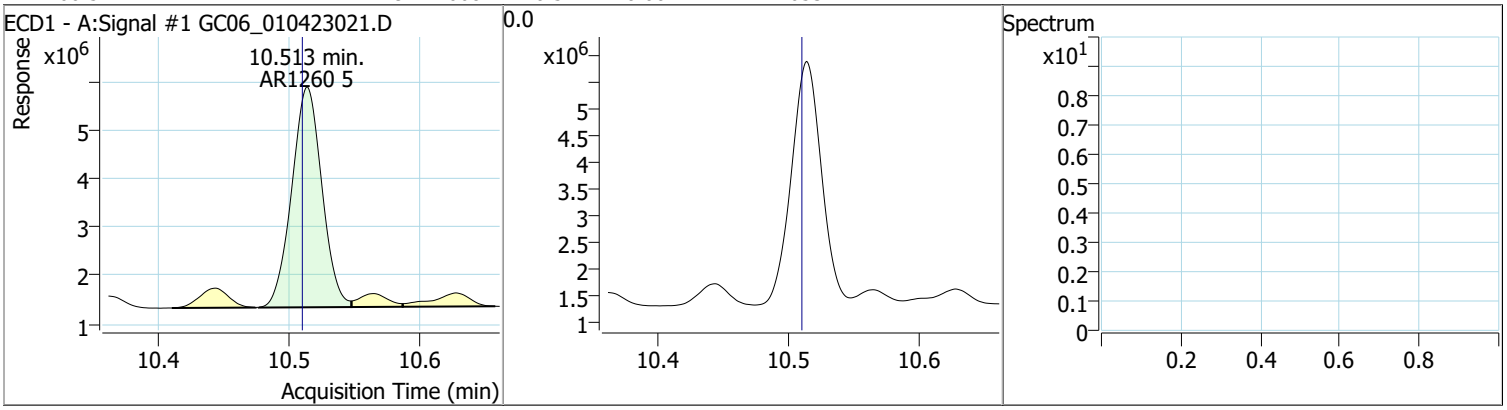
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	971.3727	10.14	0.00	3578498				



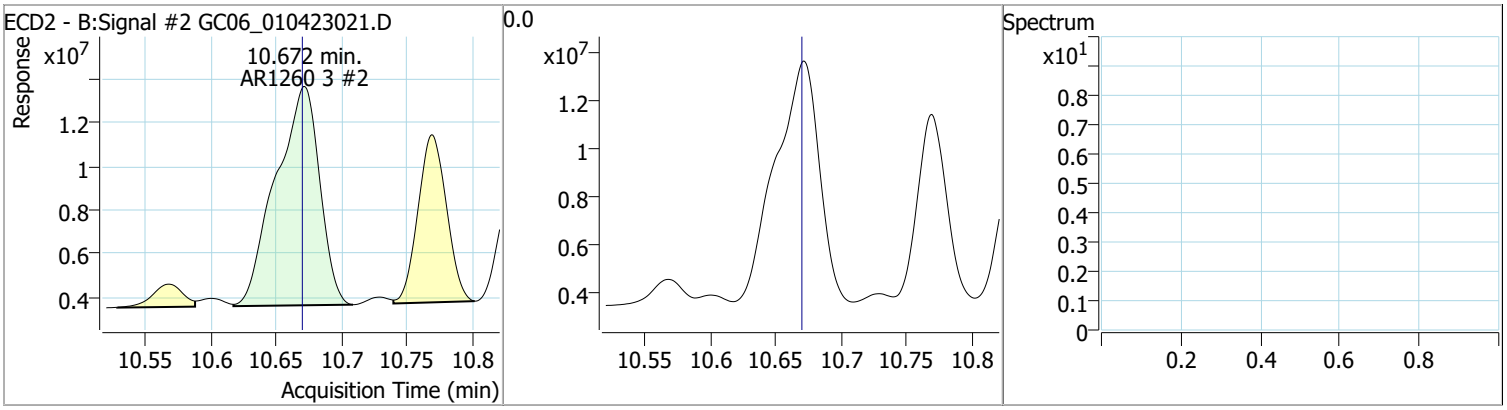
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1030.9030	10.25	0.00	17224270				



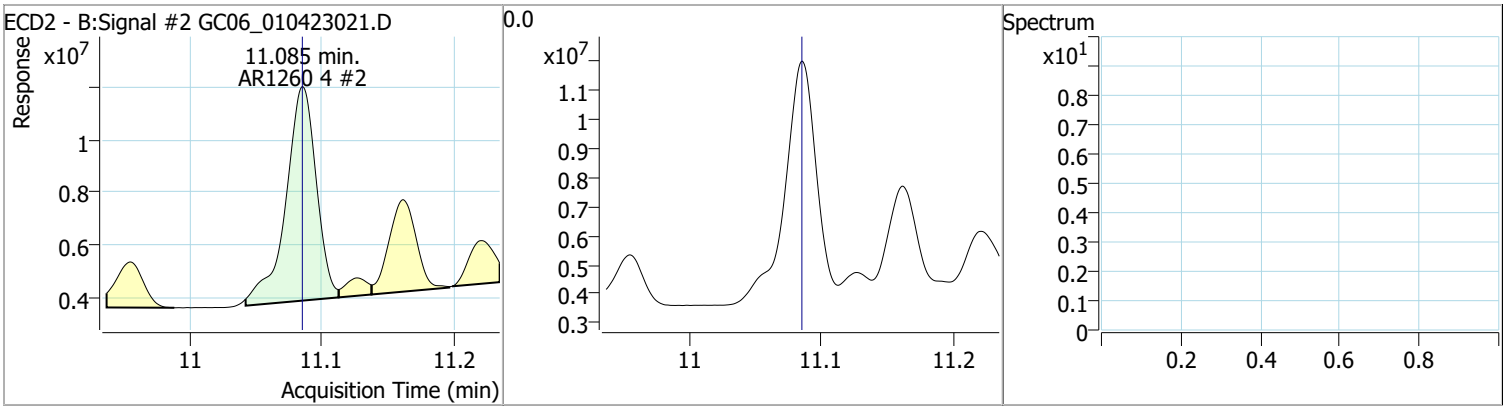
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	911.4668	10.51	0.00	7276534				



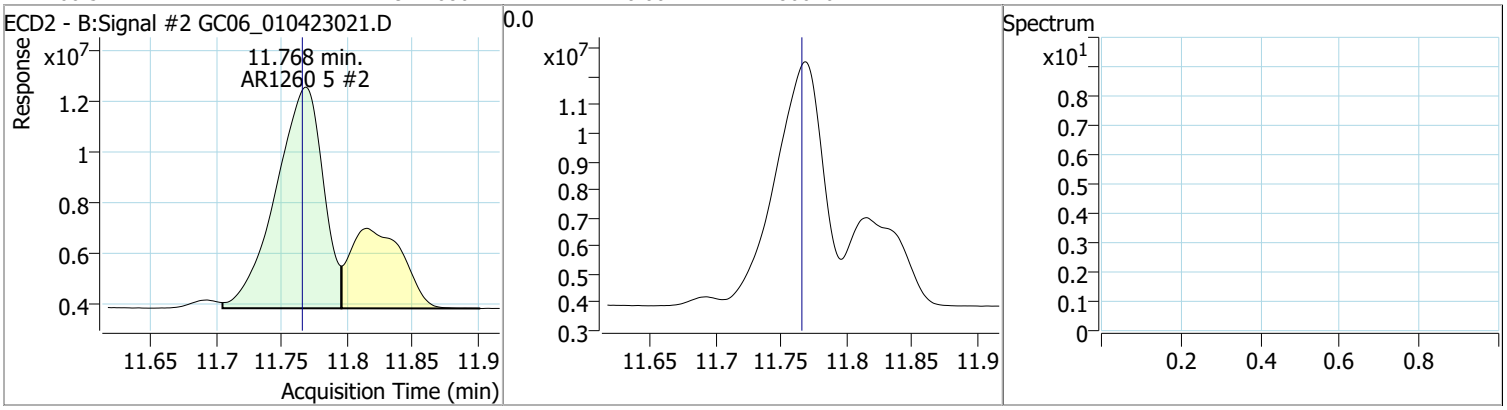
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	907.5848	10.67	0.00	23260783				



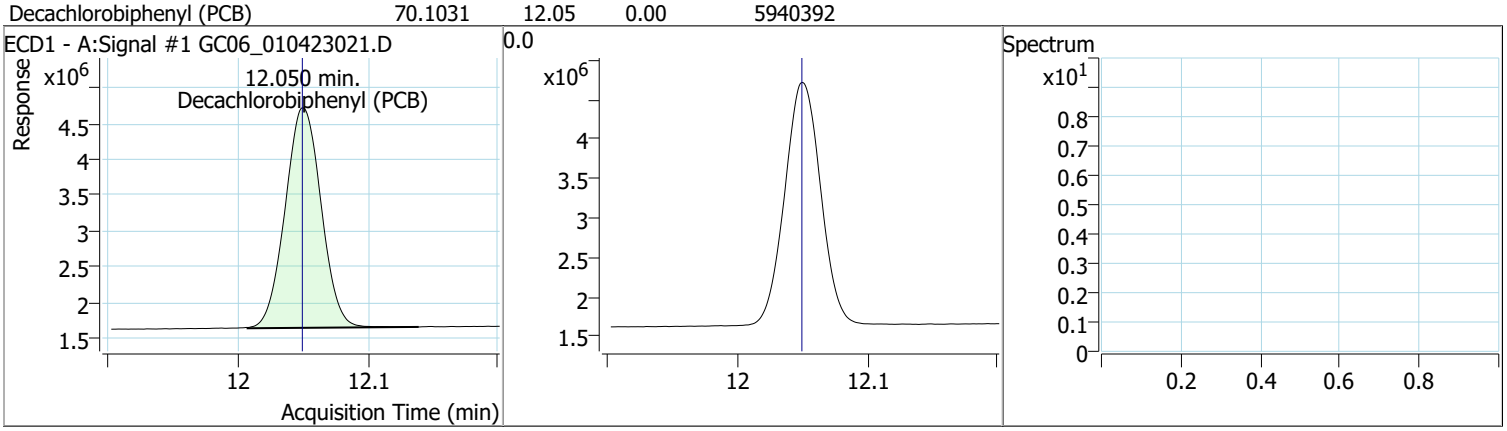
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	936.2000	11.09	0.00	13190411				



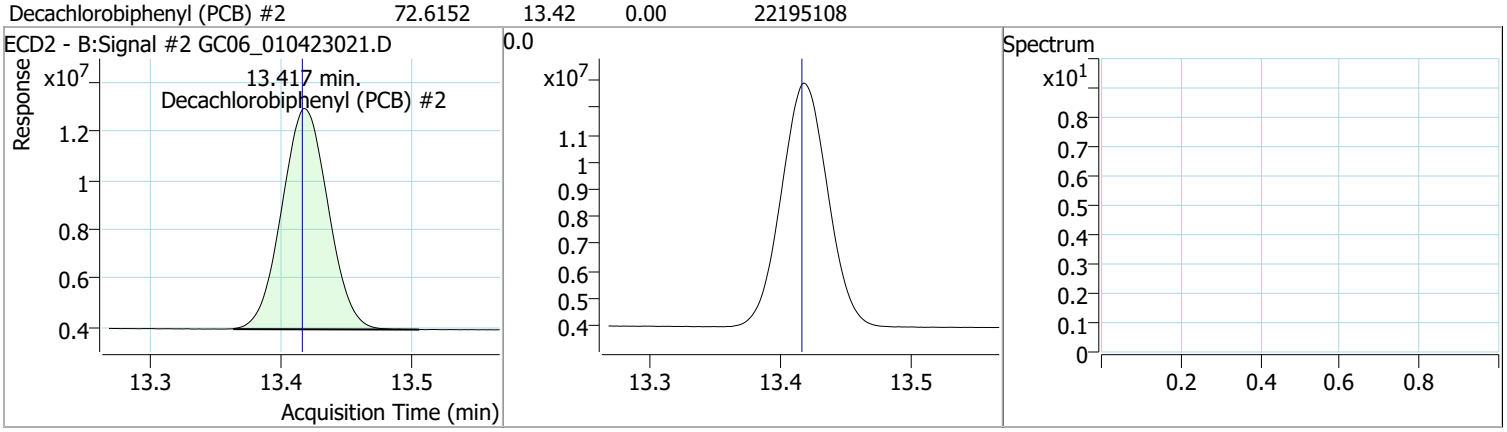
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	942.0862	11.77	0.00	21866262				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	70.1031	12.05	0.00	5940392				

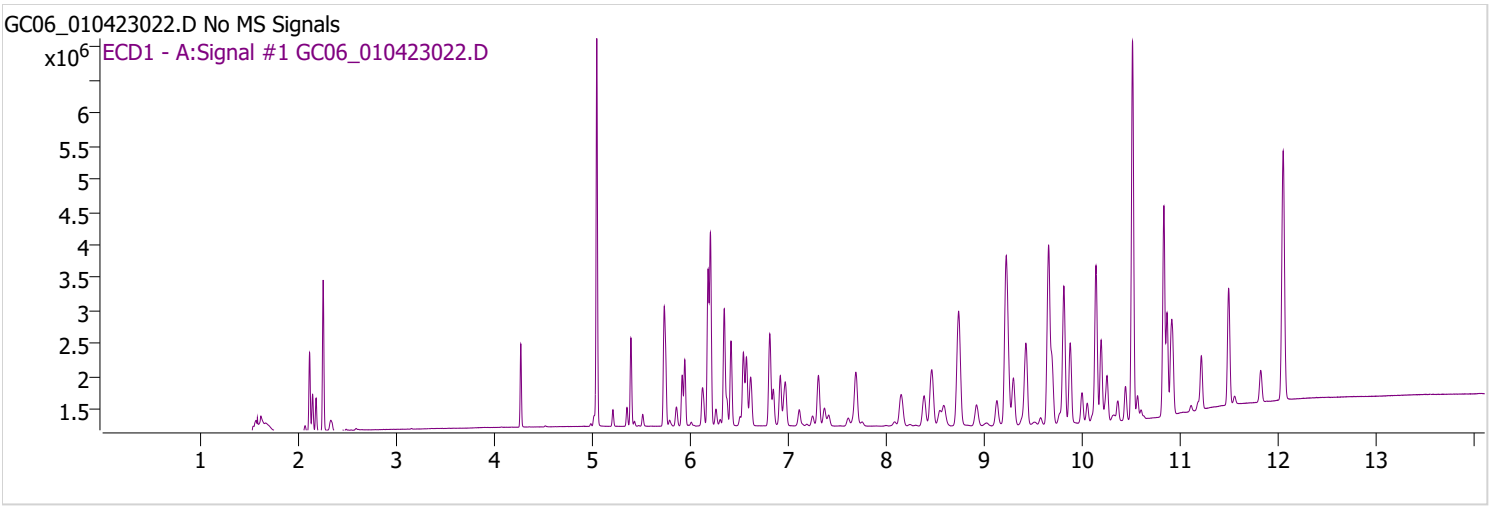


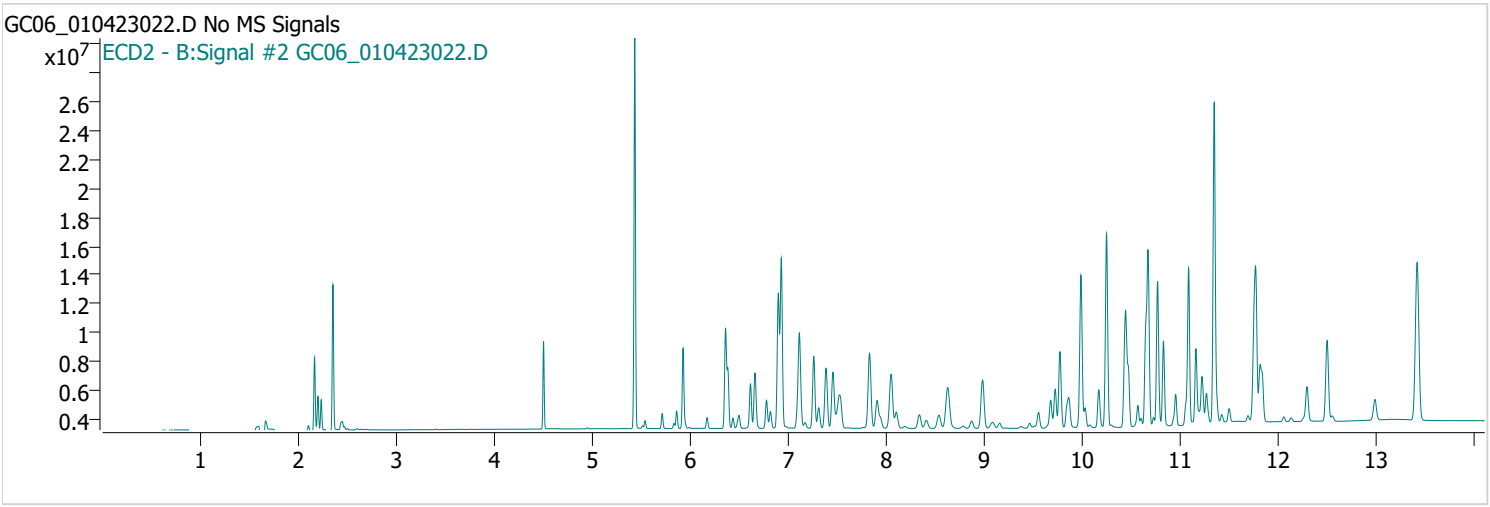
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	72.6152	13.42	0.00	22195108				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 5:57:59 PM
Sample Name	ICAL, S17804	Instrument	SVOA-GC06
Vial	29	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



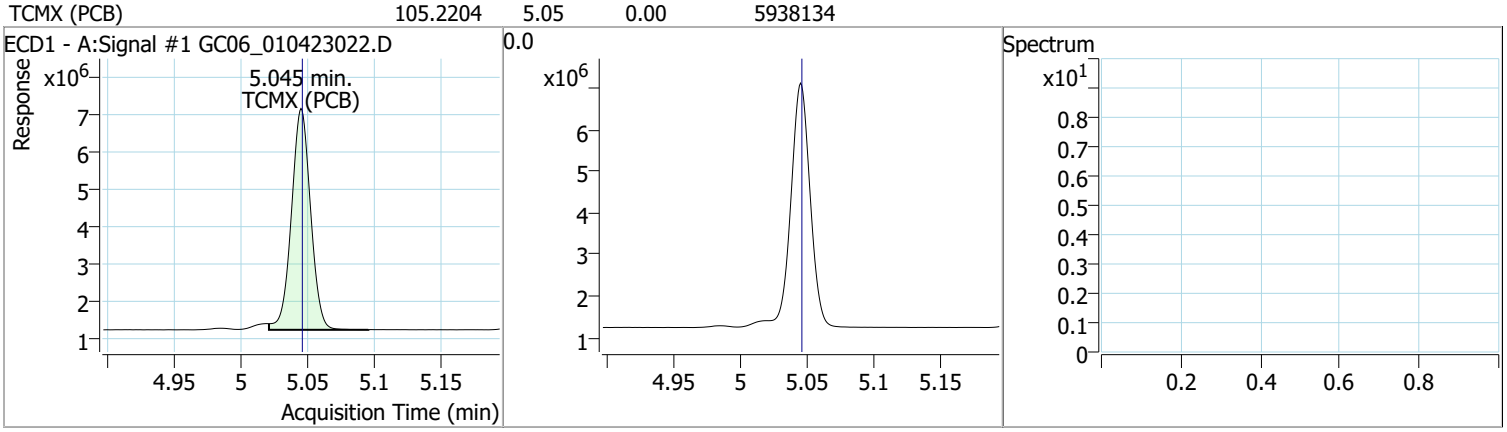


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1138880.840	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5328369.528	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	5938134.306	105.2204	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 526.10%		*	
S TCMX (PCB) #2	5.433	0.0	27963302.097	107.0454	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 535.23%		*	
S Decachlorobiphenyl (PCB)	12.052	0.0	7385380.754	93.0629	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 465.31%		*	
S Decachlorobiphenyl (PCB) #2	13.418	0.0	27458374.676	94.9313	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 474.66%		*	
Target Compounds							QValue

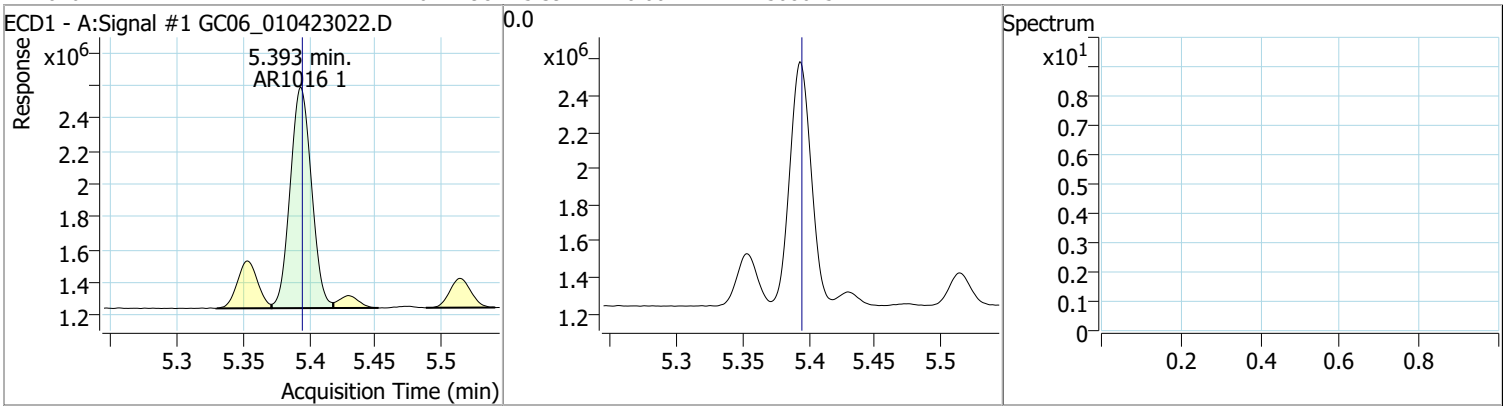
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.393	0.0	1508644.564	1162.2498	ng/ml		100
T AR1016 2	5.734	0.0	3140880.866	1506.2643	ng/ml		100
T AR1016 1 #2	5.926	0.0	6838205.424	1161.8049	ng/ml		100
T AR1016 3	6.205	0.0	3876258.524	1192.6717	ng/ml		100
T AR1016 4	6.347	0.0	2560930.835	1235.3299	ng/ml	m	100
T AR1016 2 #2	6.360	0.0	9993103.109	1177.3492	ng/ml	m	100
T AR1016 5	6.542	0.0	1720213.690	1263.8243	ng/ml		100
T AR1016 3 #2	6.928	0.0	18459172.515	1235.2595	ng/ml		100
T AR1016 4 #2	7.113	0.0	13267755.437	1216.6811	ng/ml		100
T AR1016 5 #2	7.829	0.0	10829053.375	1238.9077	ng/ml		100
T AR1260 1	8.738	0.0	4524947.931	1073.2573	ng/ml		100
T AR1260 2	9.225	0.0	6760185.219	1150.5521	ng/ml		100
T AR1260 3	9.658	0.0	7364015.492	1123.7684	ng/ml		100
T AR1260 1 #2	9.987	0.0	18426837.384	1108.6872	ng/ml		100
T AR1260 4	10.141	0.0	4336571.664	1256.9358	ng/ml		100
T AR1260 2 #2	10.248	0.0	22192000.755	1497.6882	ng/ml		100
T AR1260 5	10.513	0.0	9287392.009	1242.2001	ng/ml		100
T AR1260 3 #2	10.671	0.0	28285691.491	1166.2576	ng/ml		100
T AR1260 4 #2	11.086	0.0	17337882.952	1300.3826	ng/ml		100
T AR1260 5 #2	11.769	0.0	25746992.115	1172.2152	ng/ml		100

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

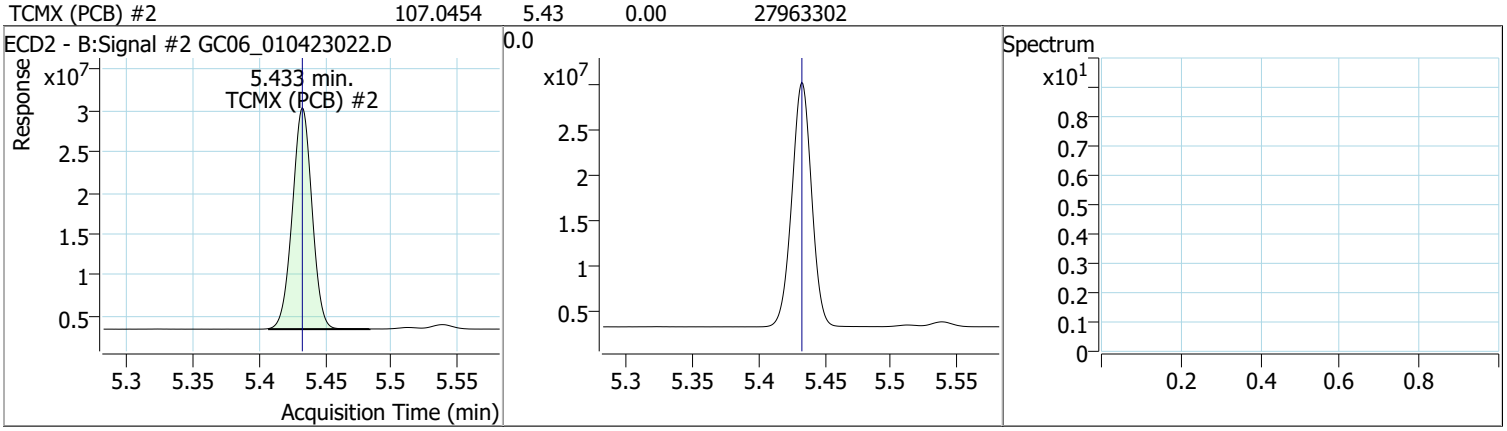
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	105.2204	5.05	0.00	5938134				



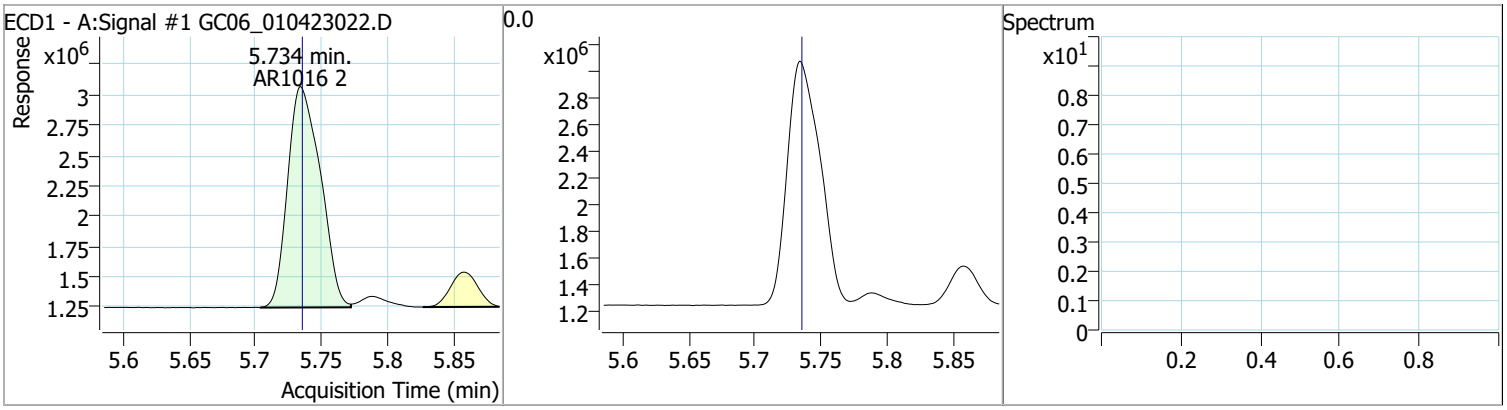
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1162.2498	5.39	0.00	1508645				



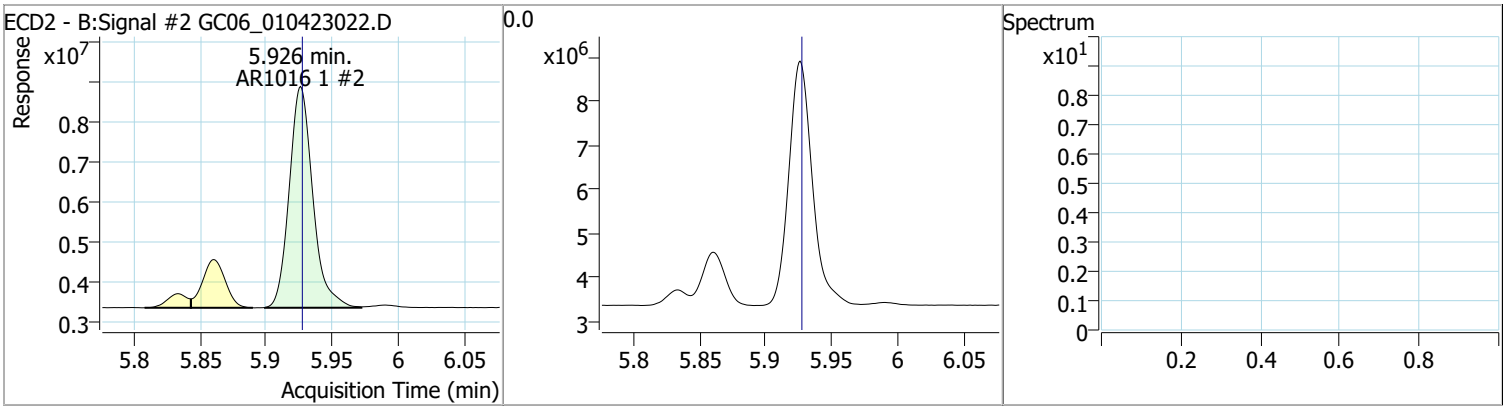
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TCMX (PCB) #2	107.0454	5.43	0.00	27963302				



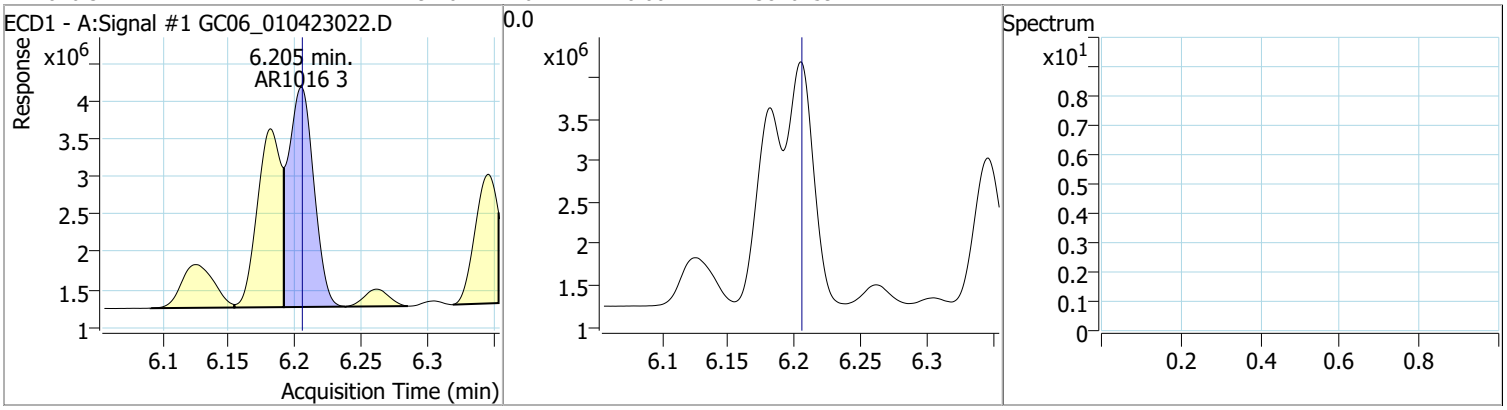
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AR1016 2	1506.2643	5.73	0.00	3140881				



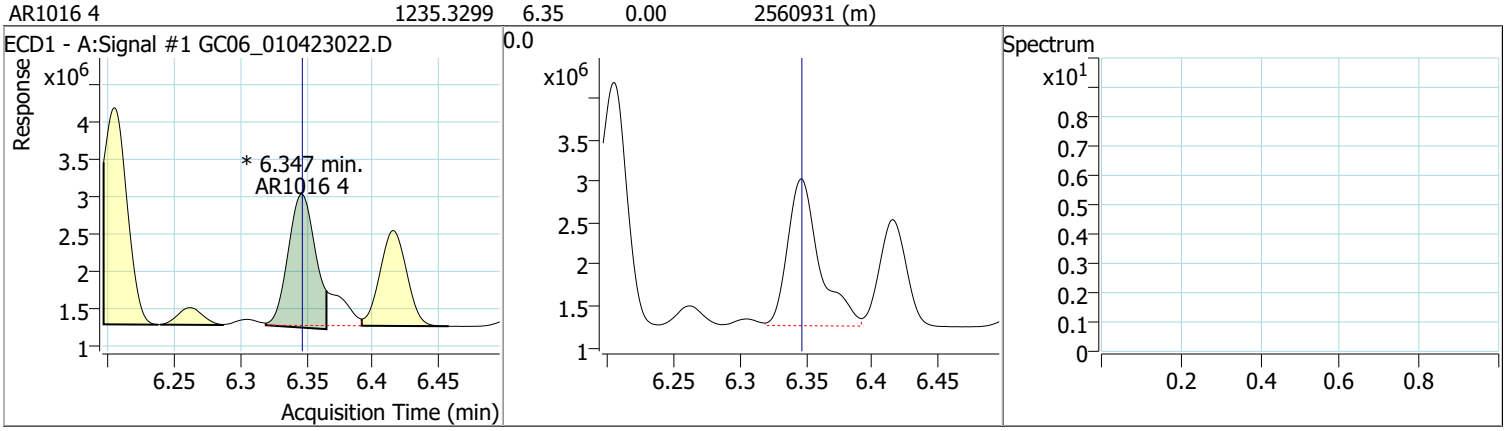
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AR1016 1 #2	1161.8049	5.93	0.00	6838205				



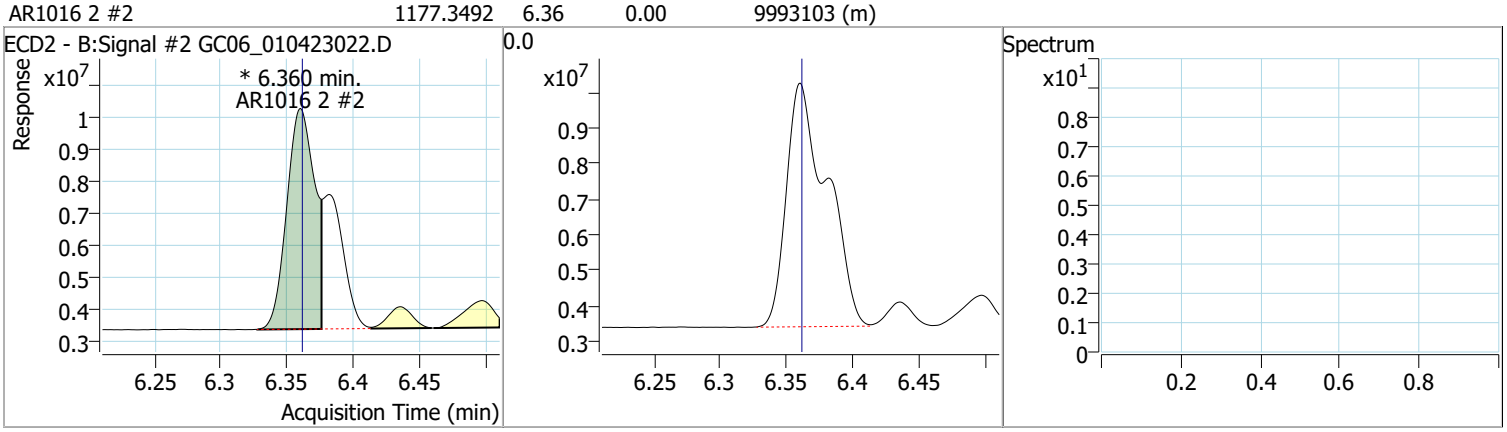
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1192.6717	6.21	0.00	3876259				



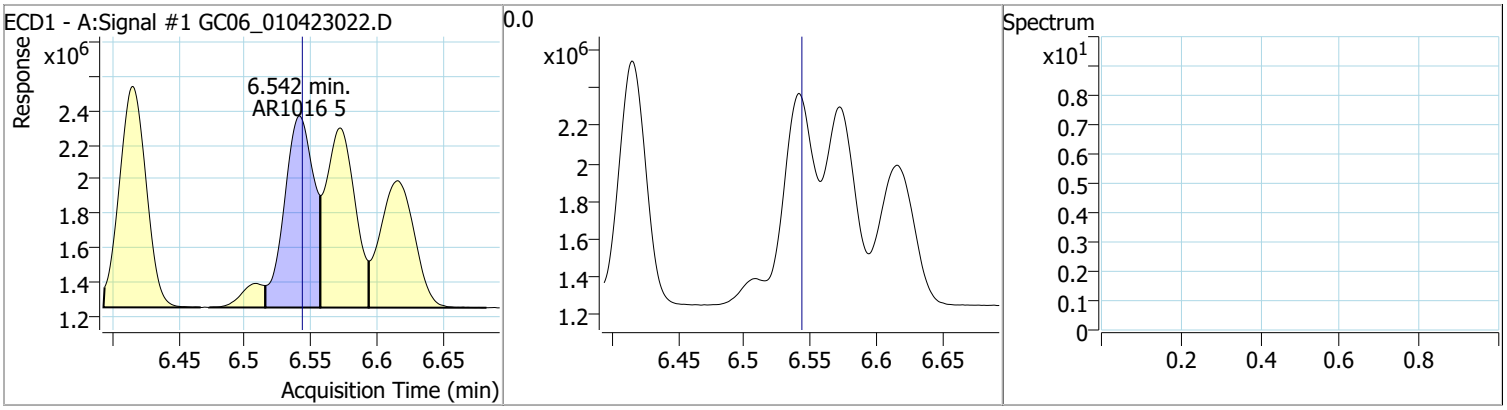
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1235.3299	6.35	0.00	2560931 (m)				



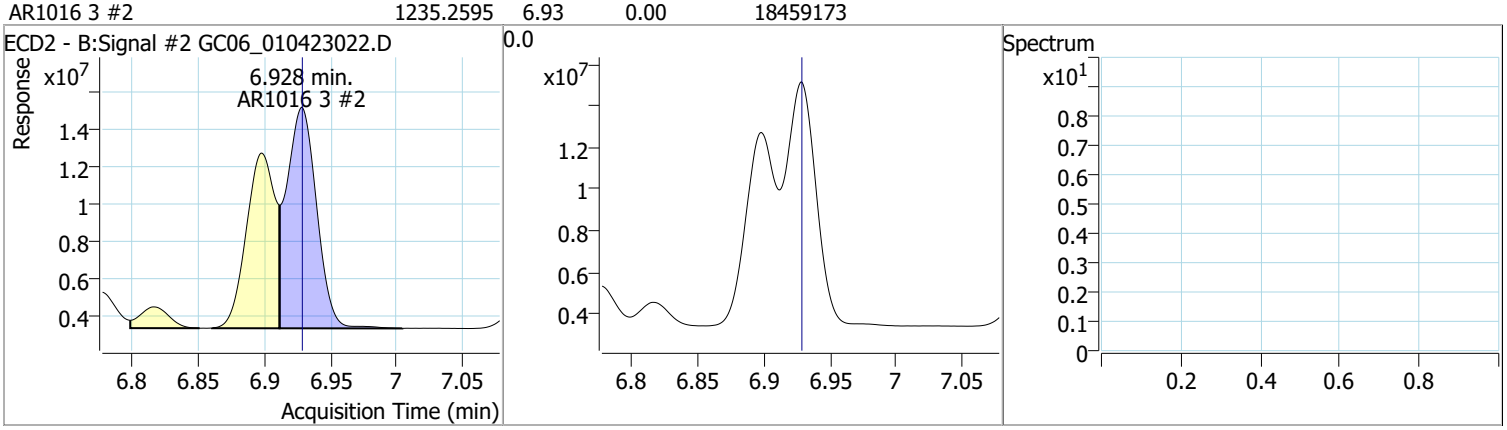
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1177.3492	6.36	0.00	9993103 (m)				



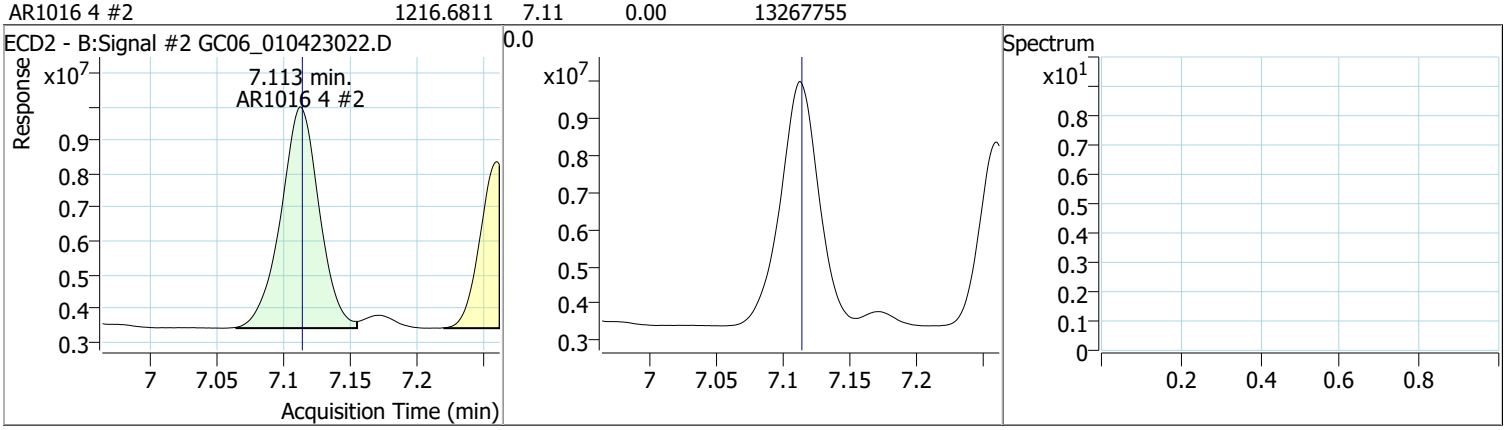
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1263.8243	6.54	0.00	1720214				



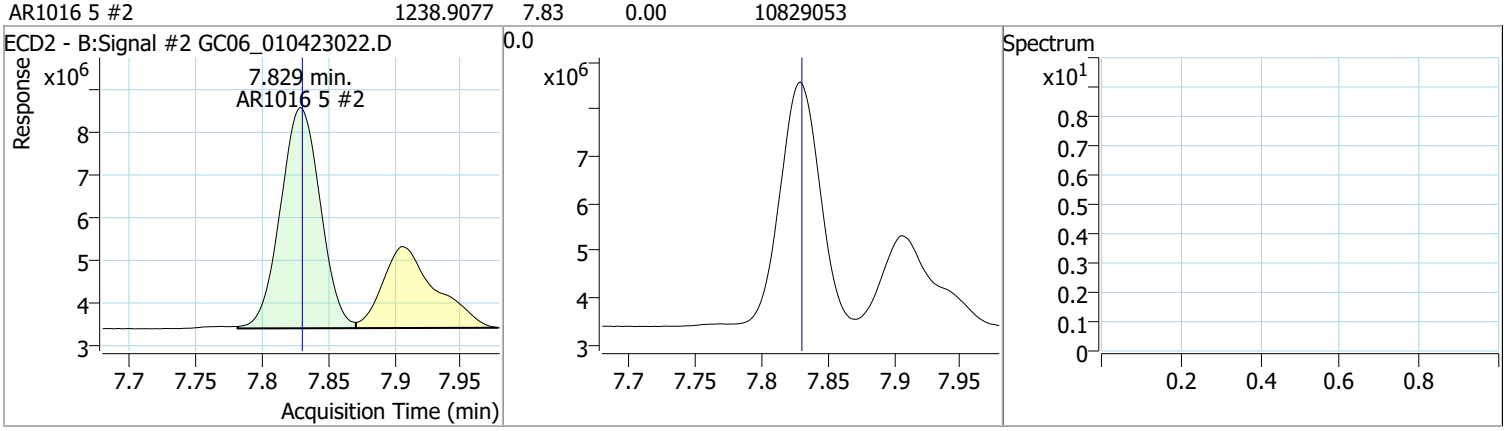
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1235.2595	6.93	0.00	18459173				



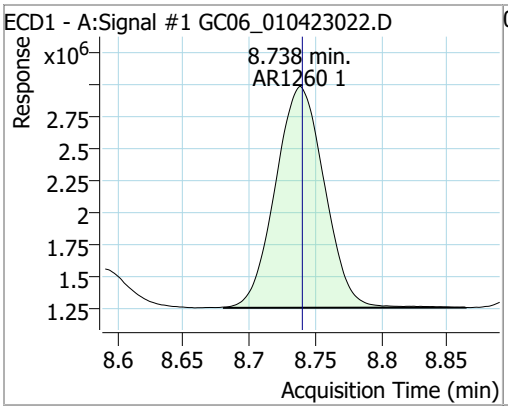
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AR1016 4 #2	1216.6811	7.11	0.00	13267755				

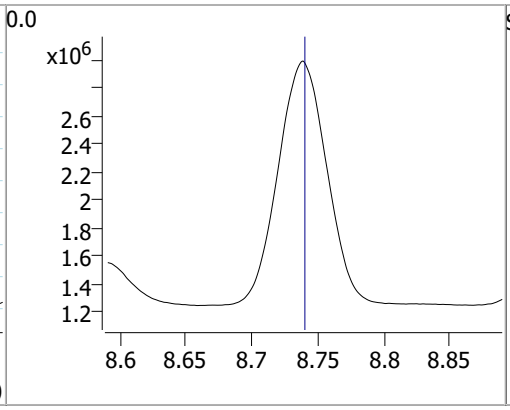


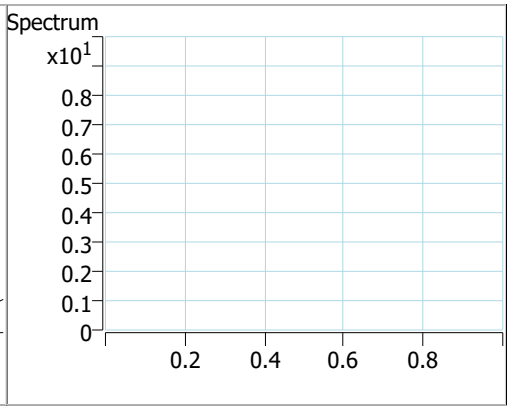
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1238.9077	7.83	0.00	10829053				



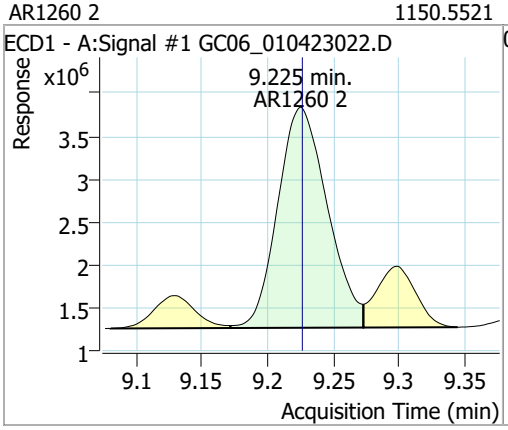
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1073.2573	8.74	0.00	4524948				

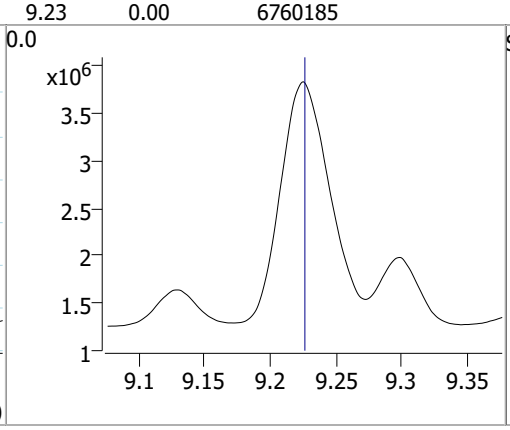


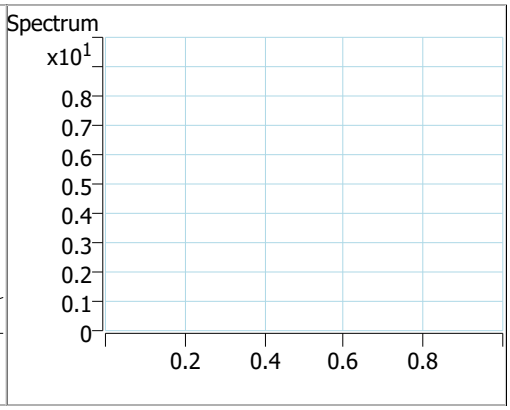




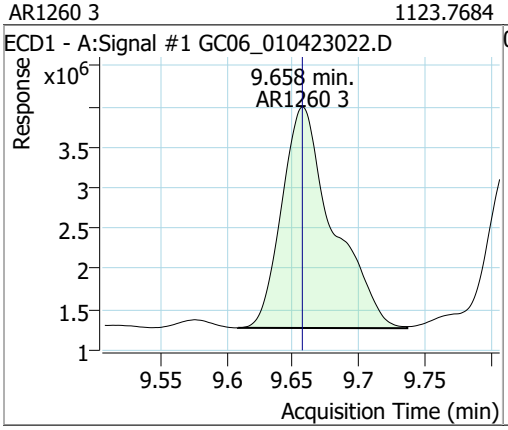
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1150.5521	9.23	0.00	6760185				

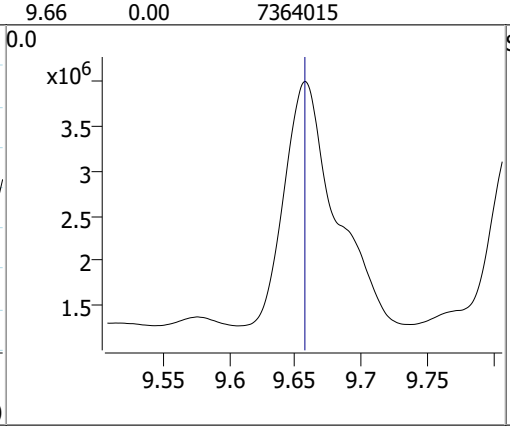


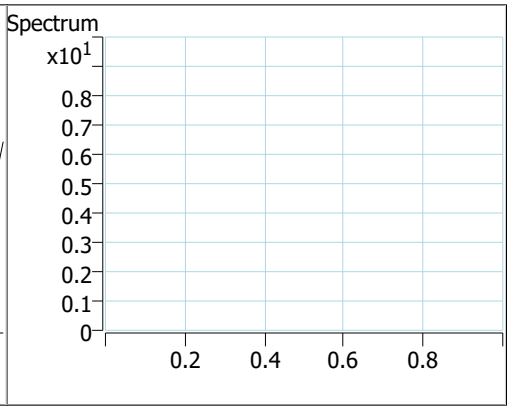




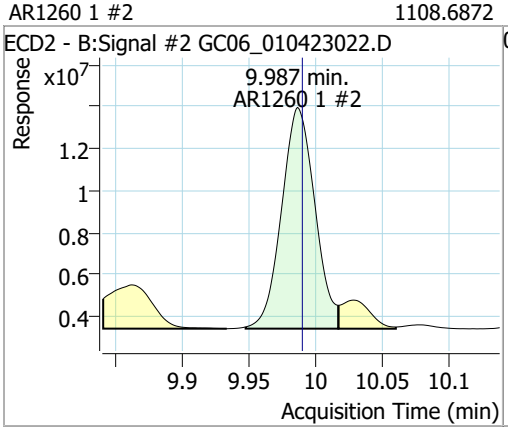
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1123.7684	9.66	0.00	7364015				

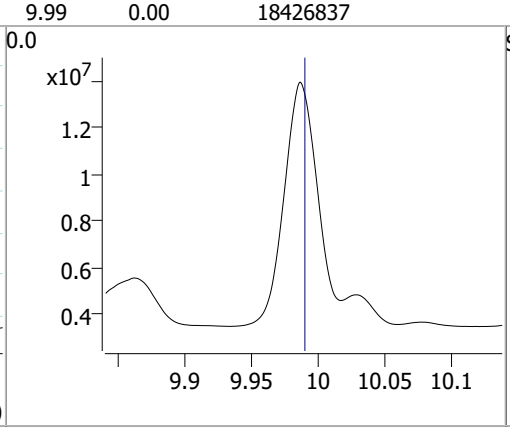


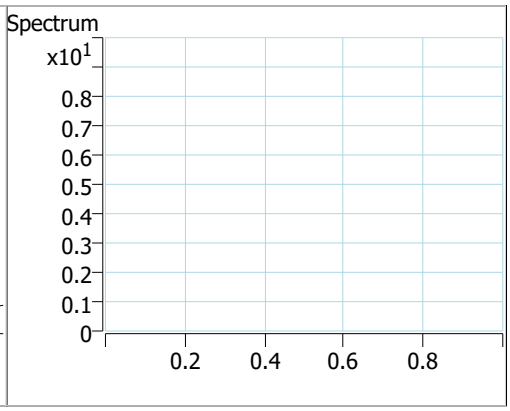




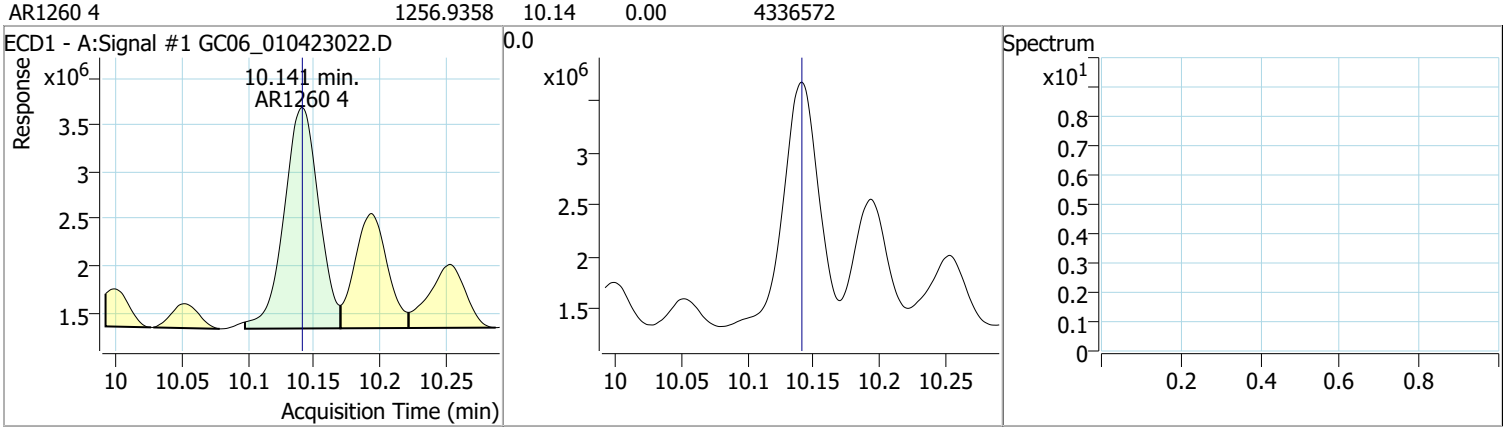
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1108.6872	9.99	0.00	18426837				



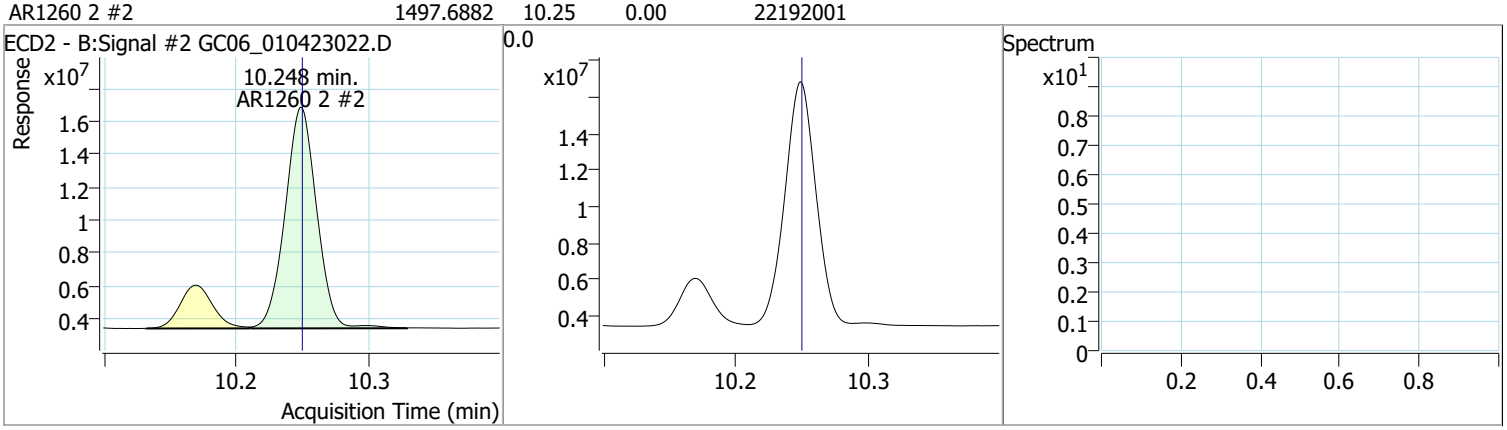




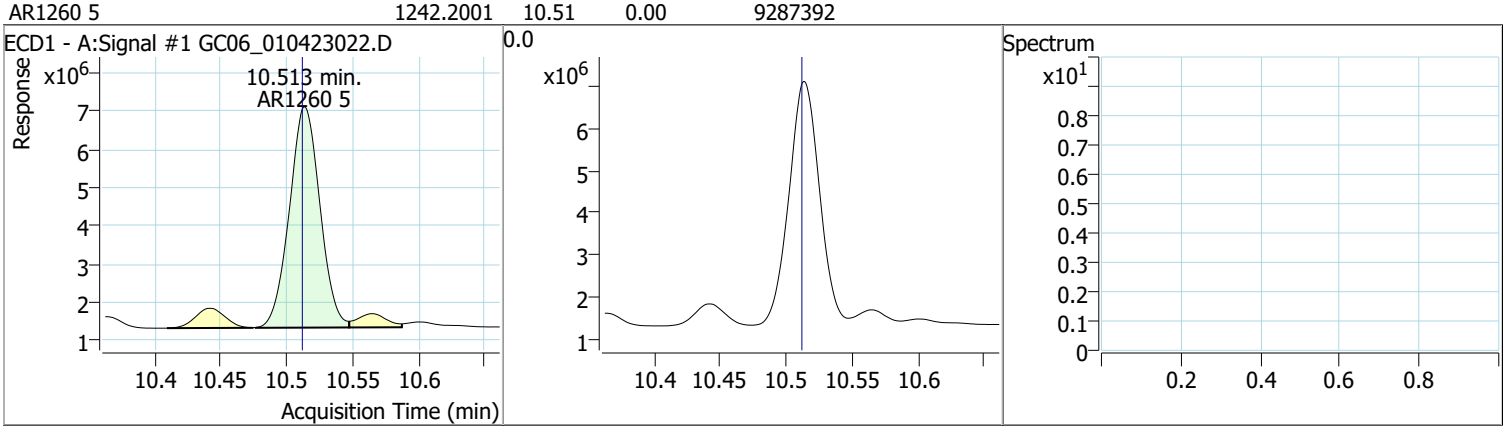
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1256.9358	10.14	0.00	4336572				



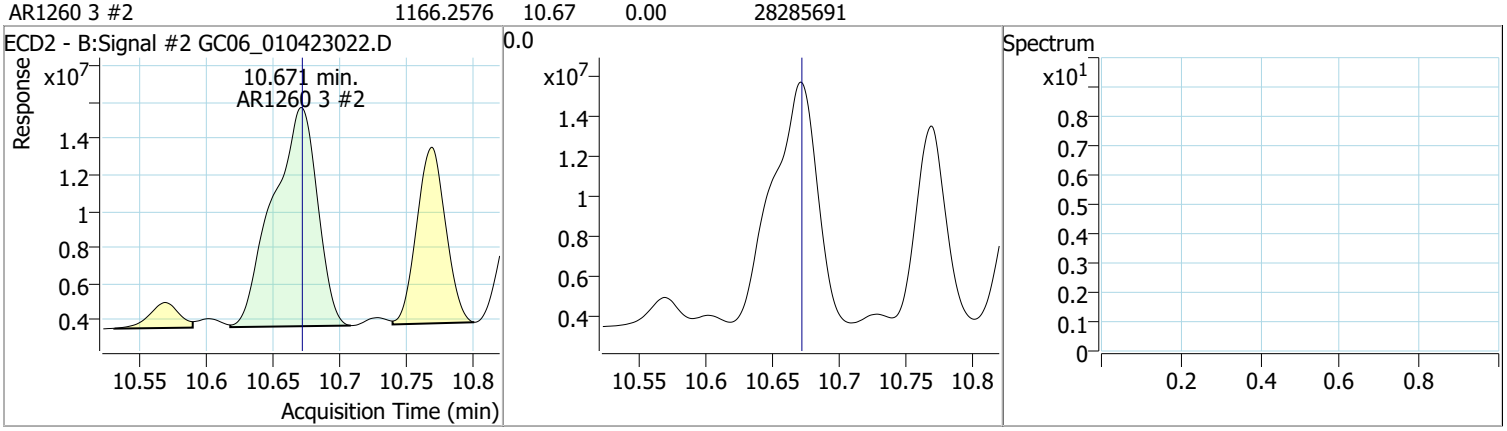
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1497.6882	10.25	0.00	22192001				



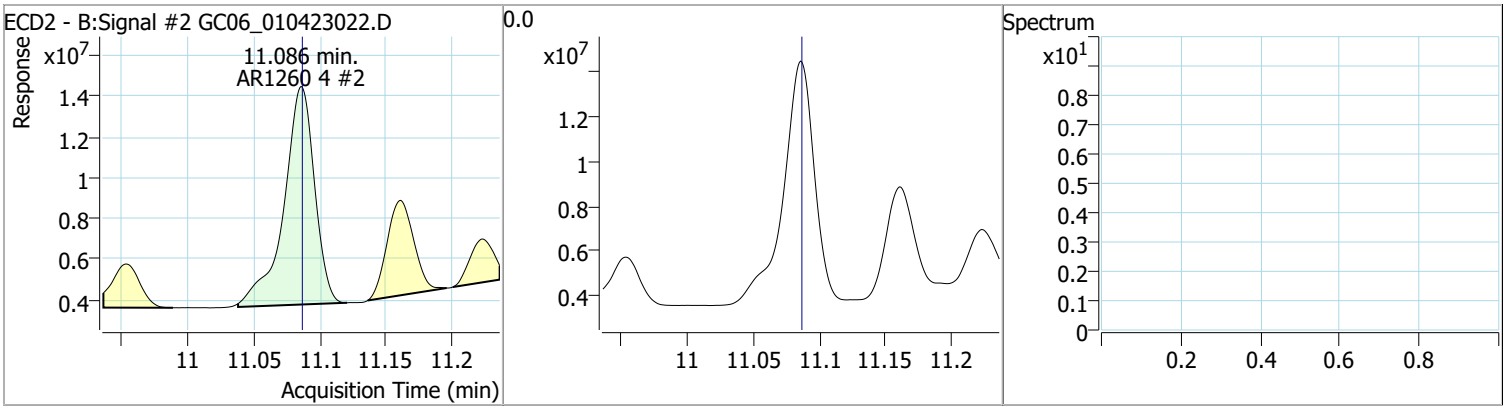
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1242.2001	10.51	0.00	9287392				



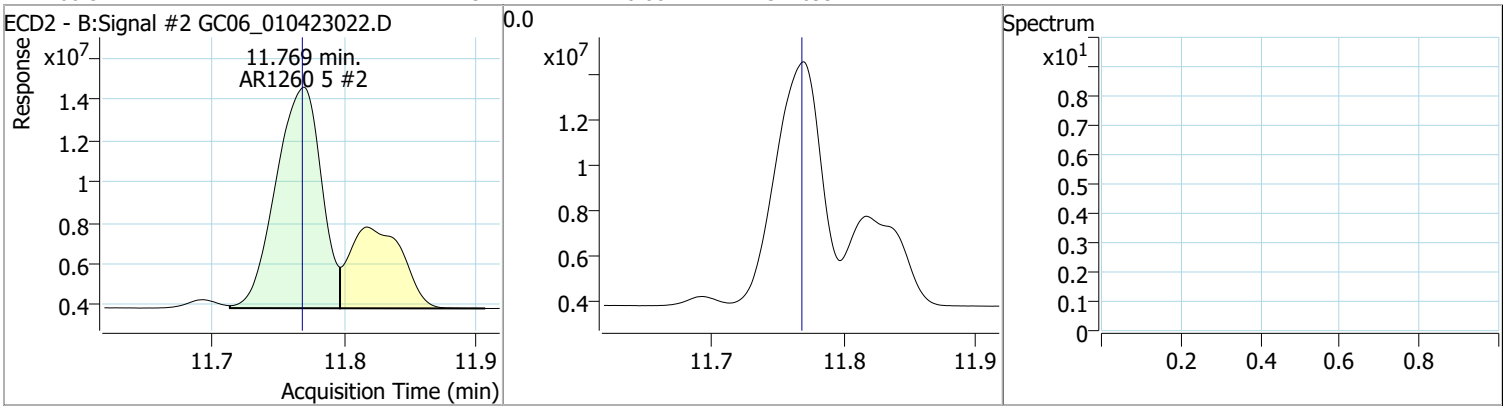
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1166.2576	10.67	0.00	28285691				



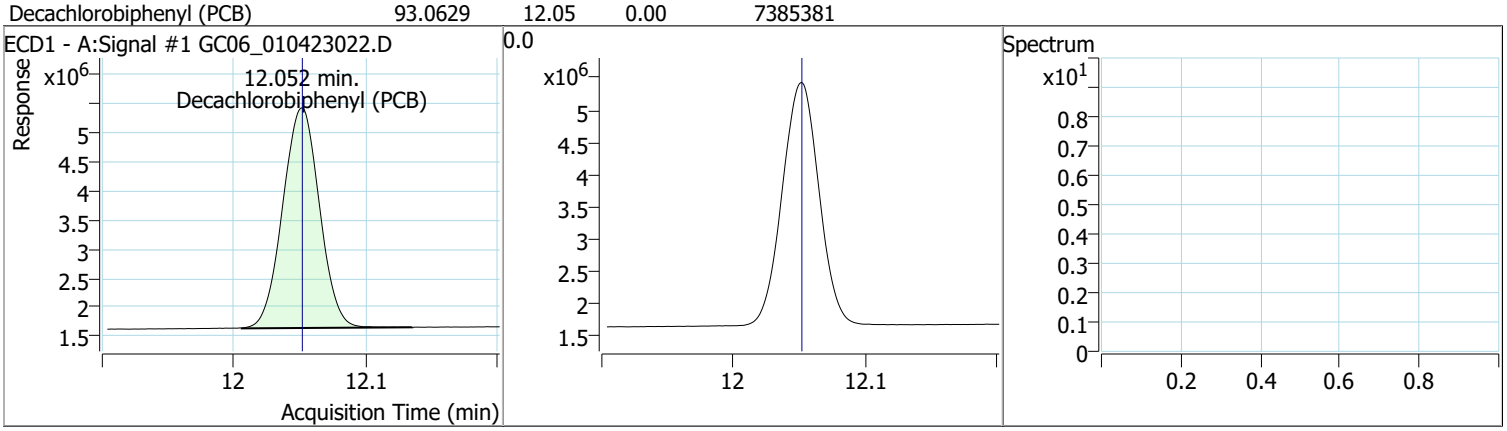
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1300.3826	11.09	0.00	17337883				



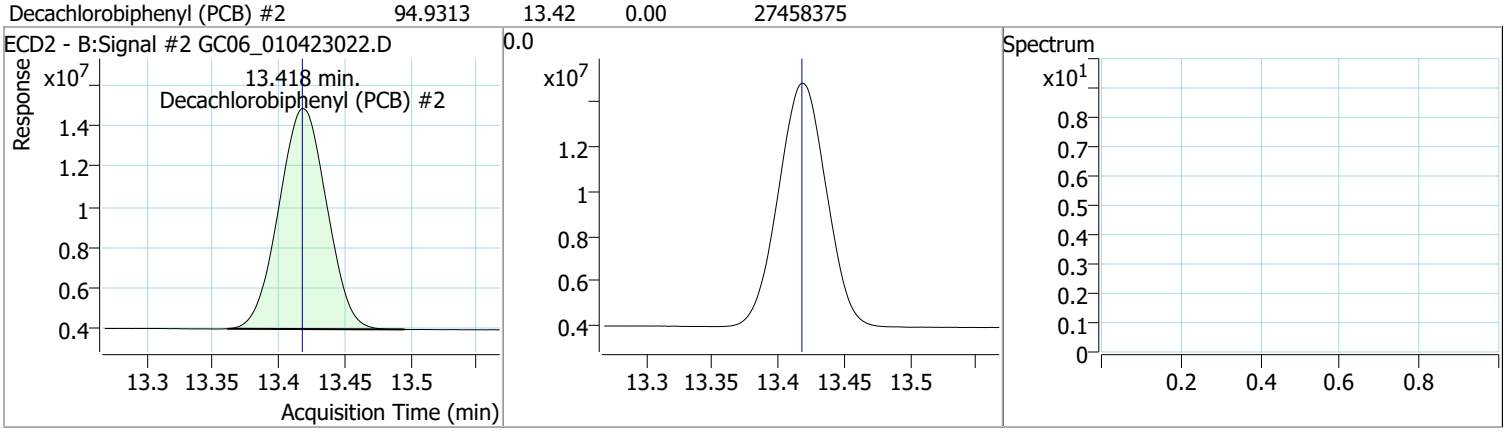
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1172.2152	11.77	0.00	25746992				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	93.0629	12.05	0.00	7385381				

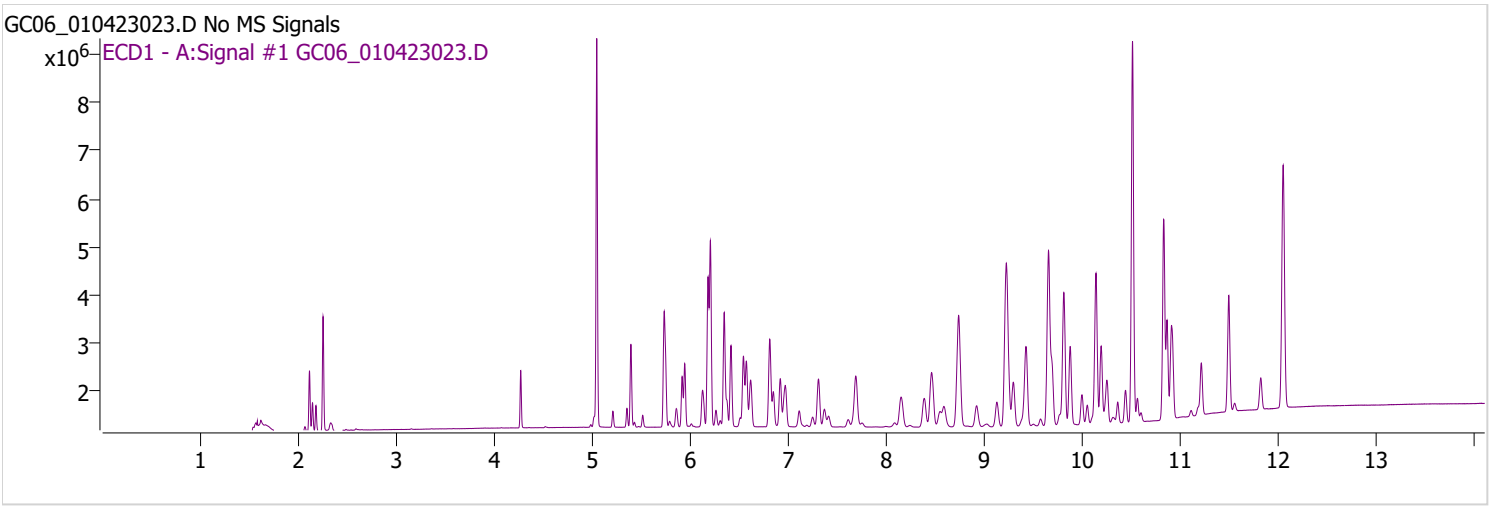


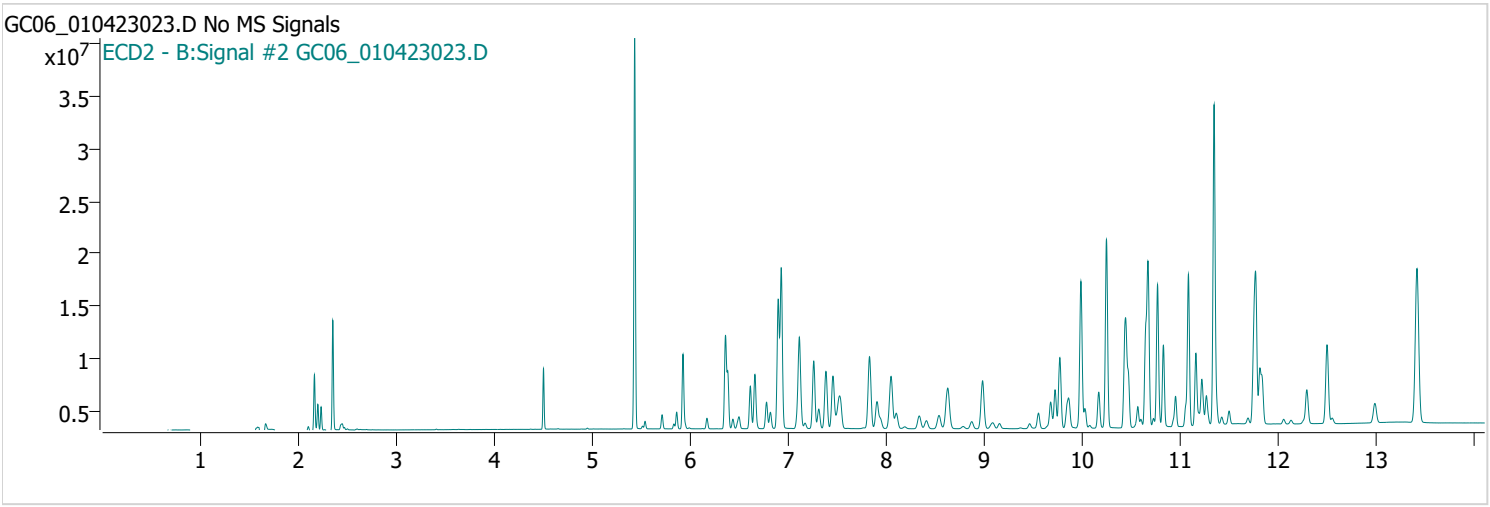
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	94.9313	13.42	0.00	27458375				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 6:16:18 PM
Sample Name	ICAL, S17805	Instrument	SVOA-GC06
Vial	30	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



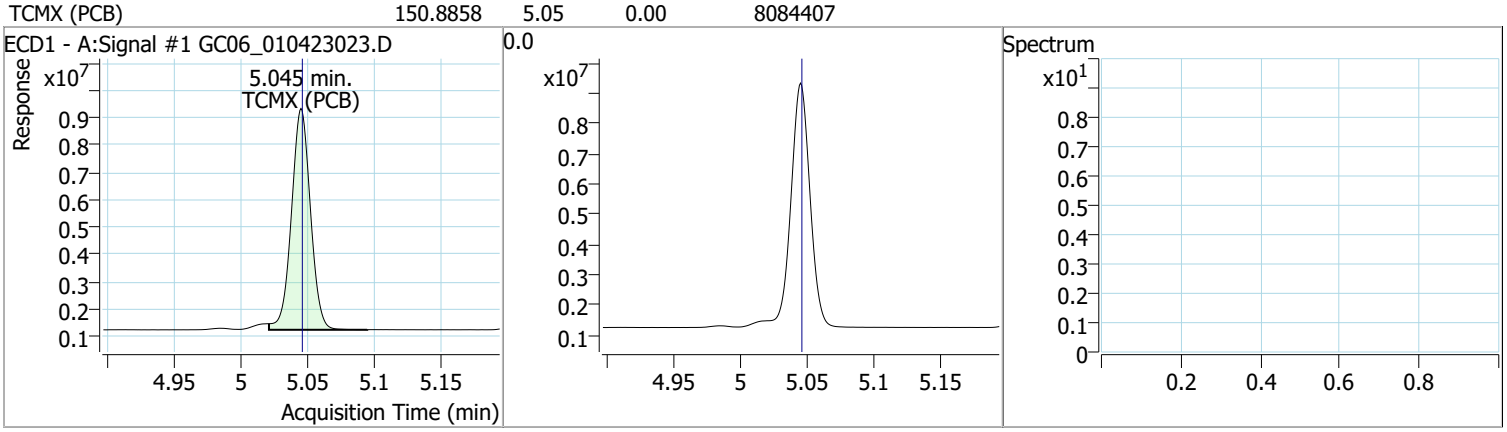


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.269	0.0	1081254.587	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.502	0.0	5002246.629	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.045	0.0	8084407.275	150.8858	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 754.43%		*	
S TCMX (PCB) #2	5.433	0.0	38140466.942	155.5230	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 777.62%		*	
S Decachlorobiphenyl (PCB)	12.053	0.0	9873496.025	131.0464	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 655.23%		*	
S Decachlorobiphenyl (PCB) #2	13.420	0.0	36783561.306	135.4621	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 677.31%		*	
Target Compounds							QValue

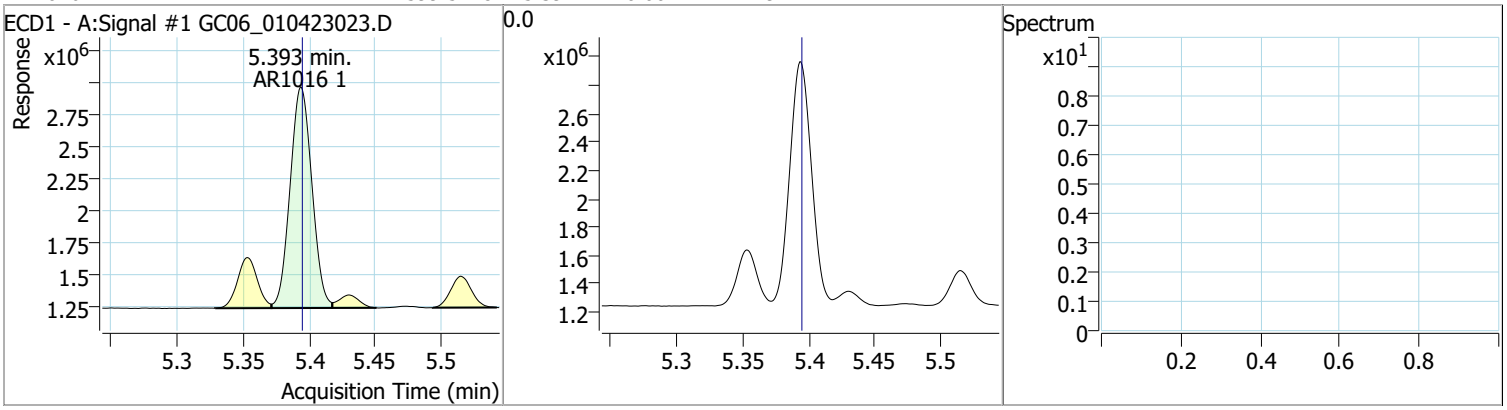
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.393	0.0	1971173.515	1599.5128	ng/ml		100
T AR1016 2	5.734	0.0	4125099.123	2408.8246	ng/ml		100
T AR1016 1 #2	5.926	0.0	8999570.970	1628.7038	ng/ml		100
T AR1016 3	6.205	0.0	5168374.061	1674.9909	ng/ml		100
T AR1016 4	6.347	0.0	3347669.808	1700.8972	ng/ml	m	100
T AR1016 2 #2	6.360	0.0	13207484.225	1657.5028	ng/ml	m	100
T AR1016 5	6.543	0.0	2262867.796	1751.1115	ng/ml		100
T AR1016 3 #2	6.928	0.0	24585800.814	1752.5062	ng/ml		100
T AR1016 4 #2	7.113	0.0	17552010.381	1714.4917	ng/ml		100
T AR1016 5 #2	7.830	0.0	14335975.985	1747.0484	ng/ml		100
T AR1260 1	8.740	0.0	5916941.613	1478.2159	ng/ml		100
T AR1260 2	9.227	0.0	8887064.600	1593.1489	ng/ml		100
T AR1260 3	9.658	0.0	9673136.928	1554.8188	ng/ml		100
T AR1260 1 #2	9.988	0.0	24413664.994	1564.6617	ng/ml		100
T AR1260 4	10.143	0.0	5752912.245	1756.3240	ng/ml		100
T AR1260 2 #2	10.249	0.0	29108855.572	2382.1188	ng/ml		100
T AR1260 5	10.515	0.0	12566680.158	1770.3889	ng/ml		100
T AR1260 3 #2	10.673	0.0	37614028.740	1651.9875	ng/ml		100
T AR1260 4 #2	11.086	0.0	22805799.894	1822.0052	ng/ml		100
T AR1260 5 #2	11.771	0.0	34390537.131	1667.8194	ng/ml		100

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

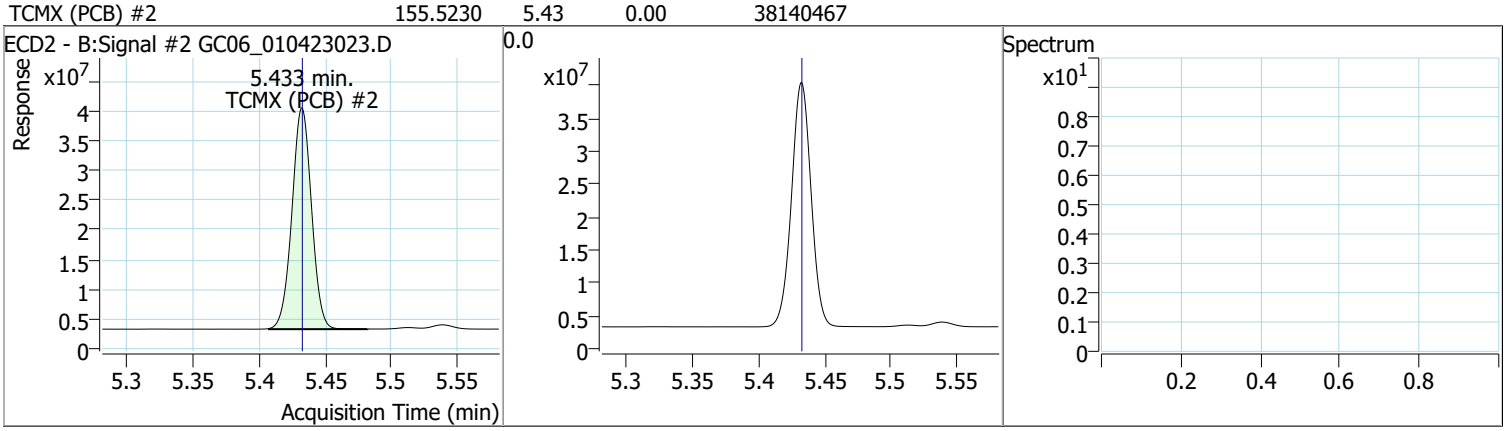
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	150.8858	5.05	0.00	8084407				



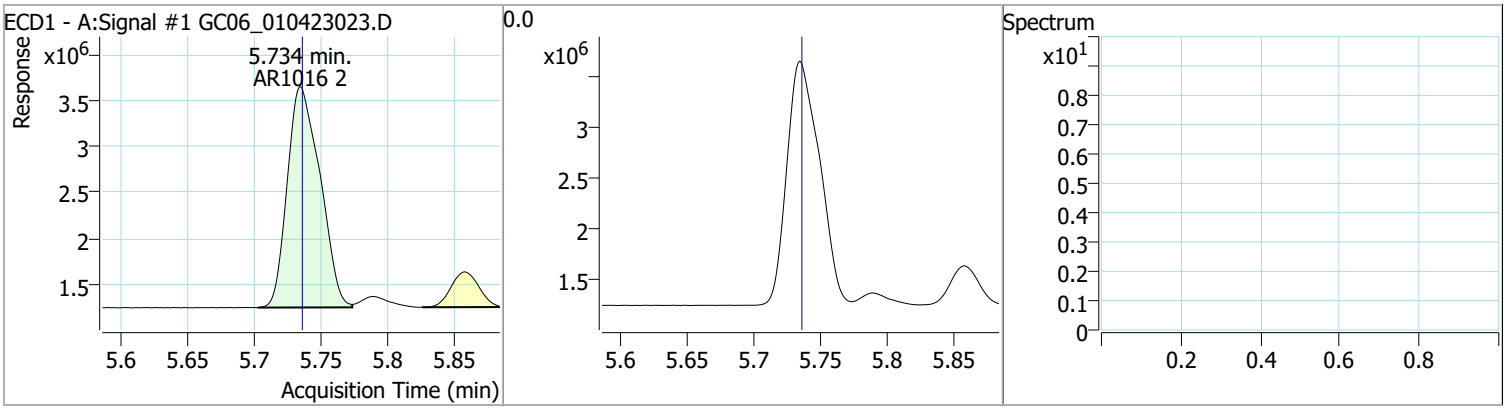
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1599.5128	5.39	0.00	1971174				



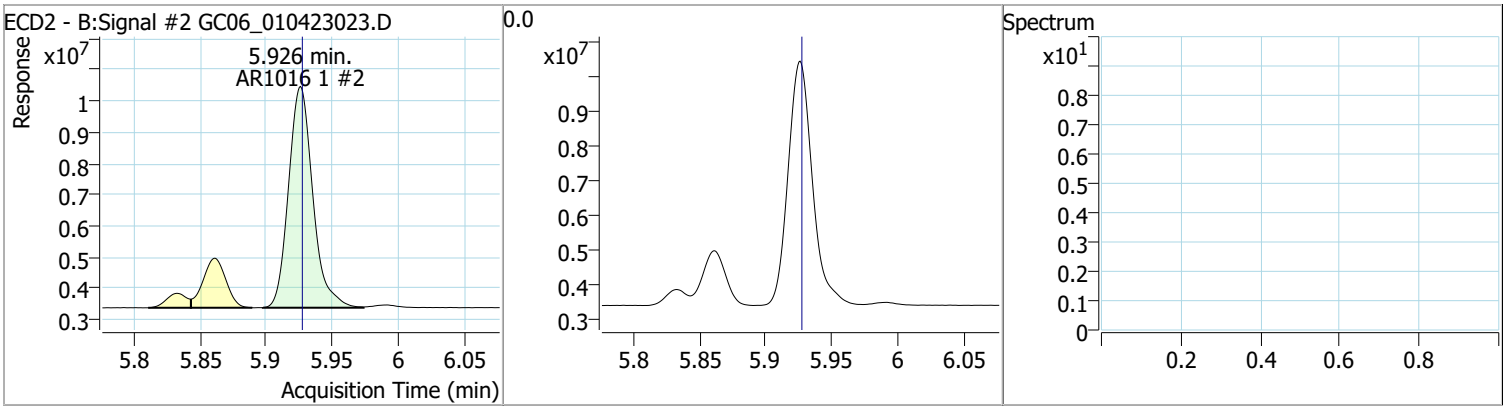
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	155.5230	5.43	0.00	38140467				



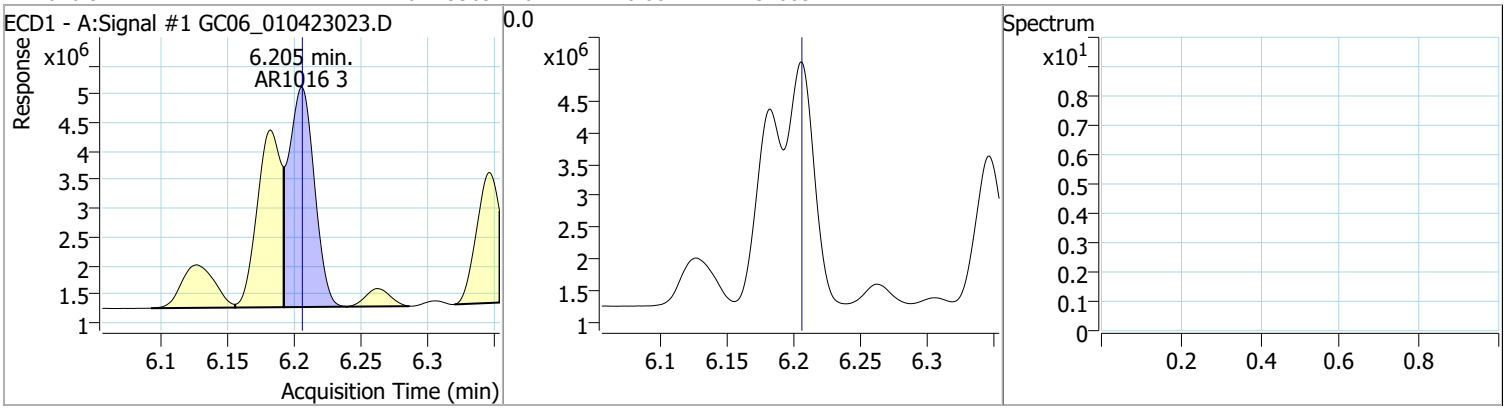
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2408.8246	5.73	0.00	4125099				



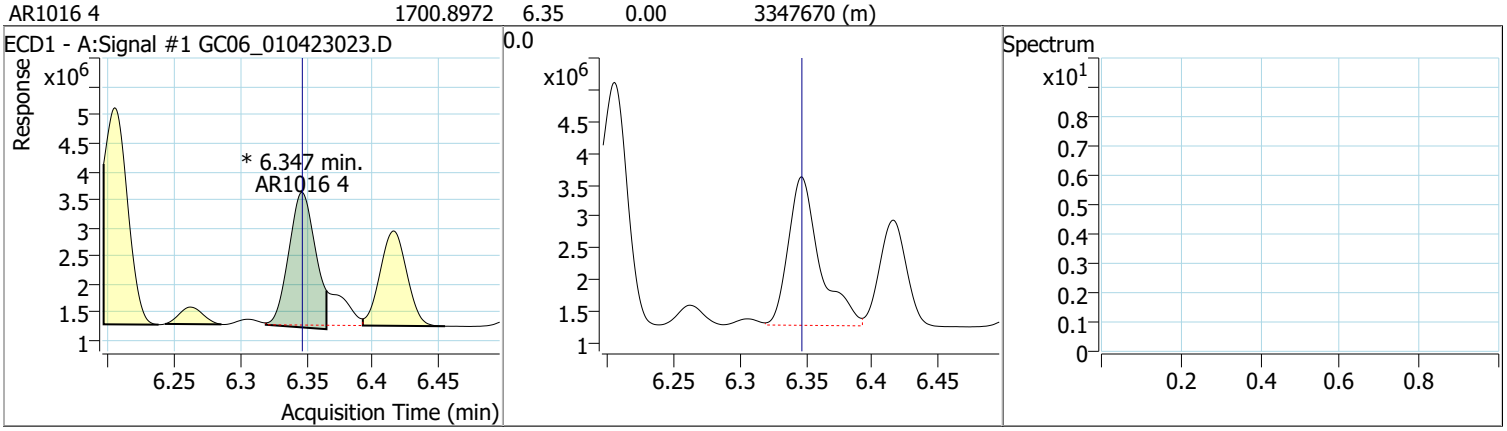
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1628.7038	5.93	0.00	8999571				



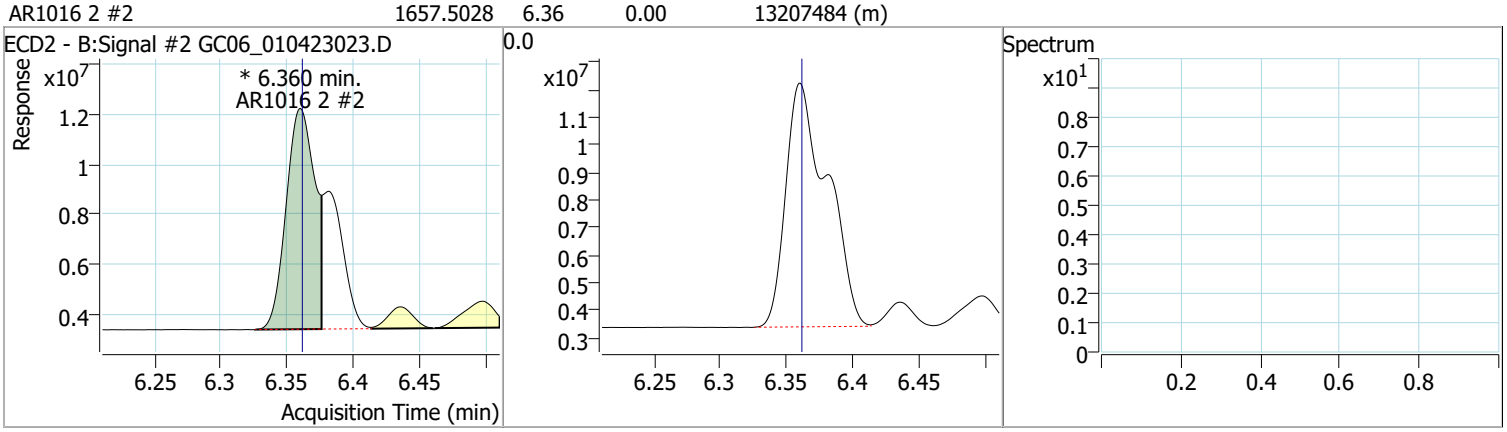
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1674.9909	6.21	0.00	5168374				



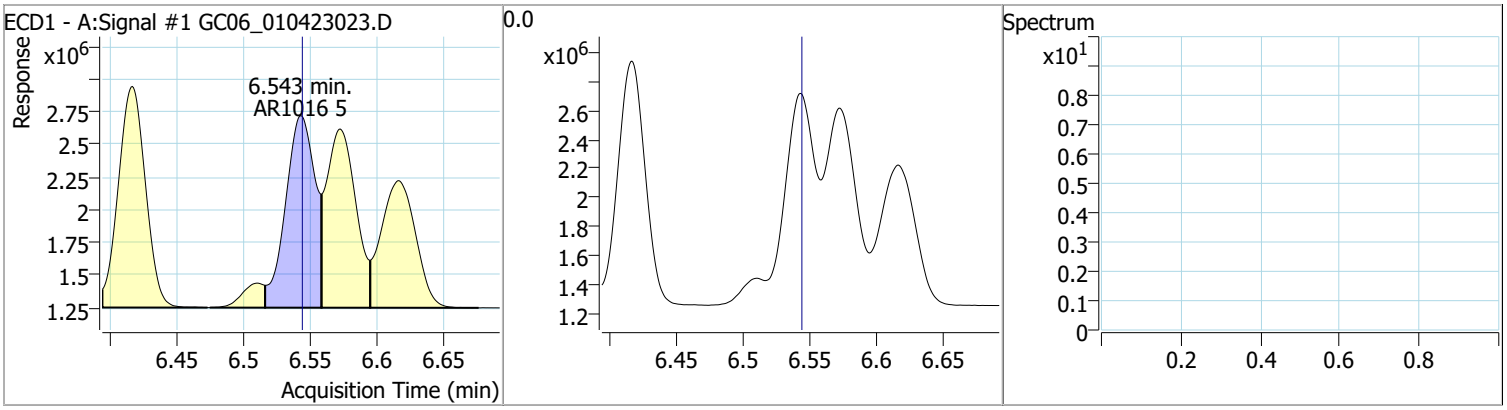
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1700.8972	6.35	0.00	3347670 (m)				



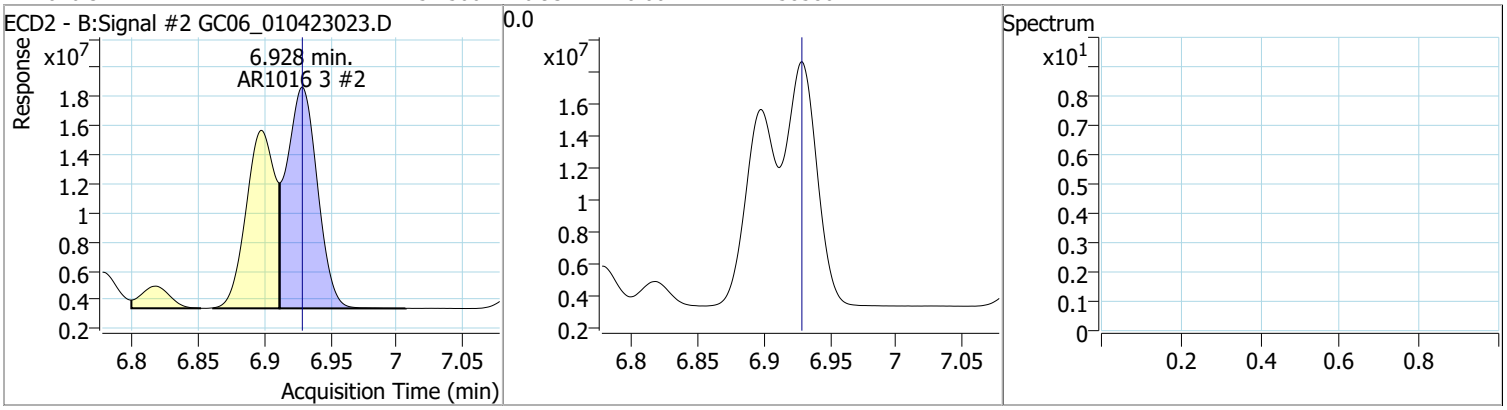
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1657.5028	6.36	0.00	13207484 (m)				



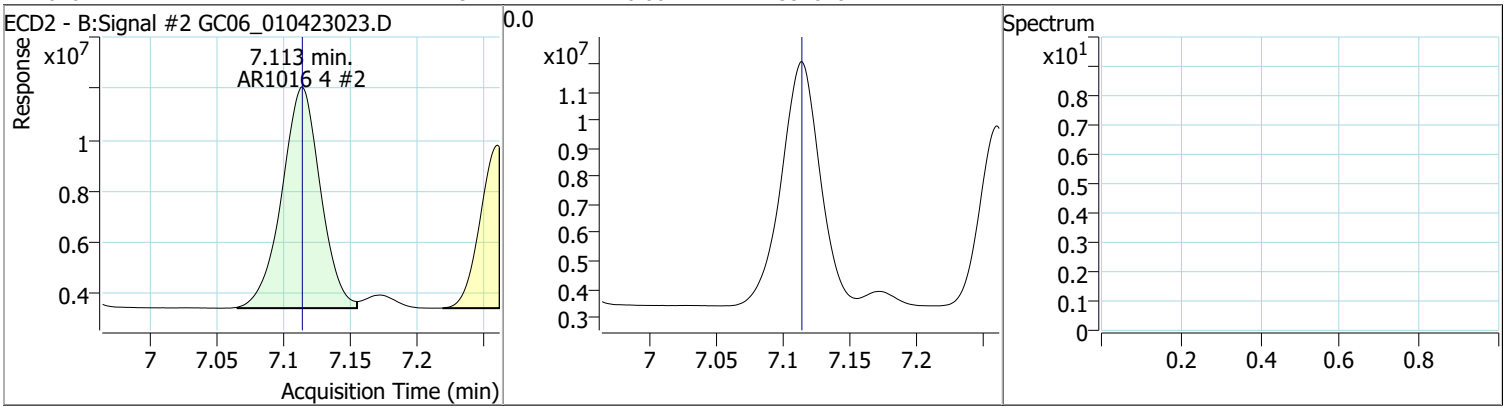
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1751.1115	6.54	0.00	2262868				



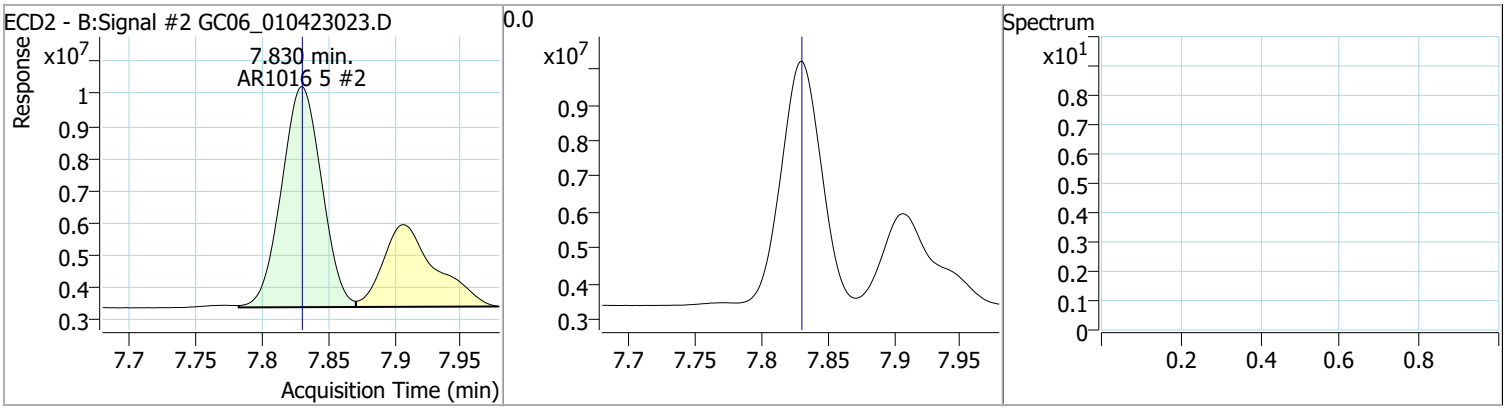
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AR1016 3 #2	1752.5062	6.93	0.00	24585801				



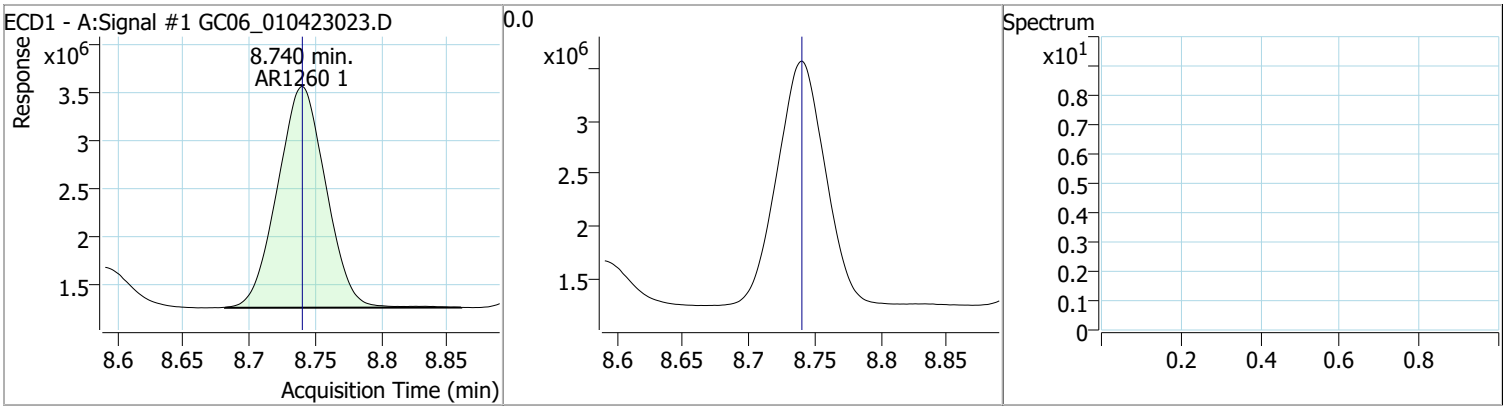
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AR1016 4 #2	1714.4917	7.11	0.00	17552010				



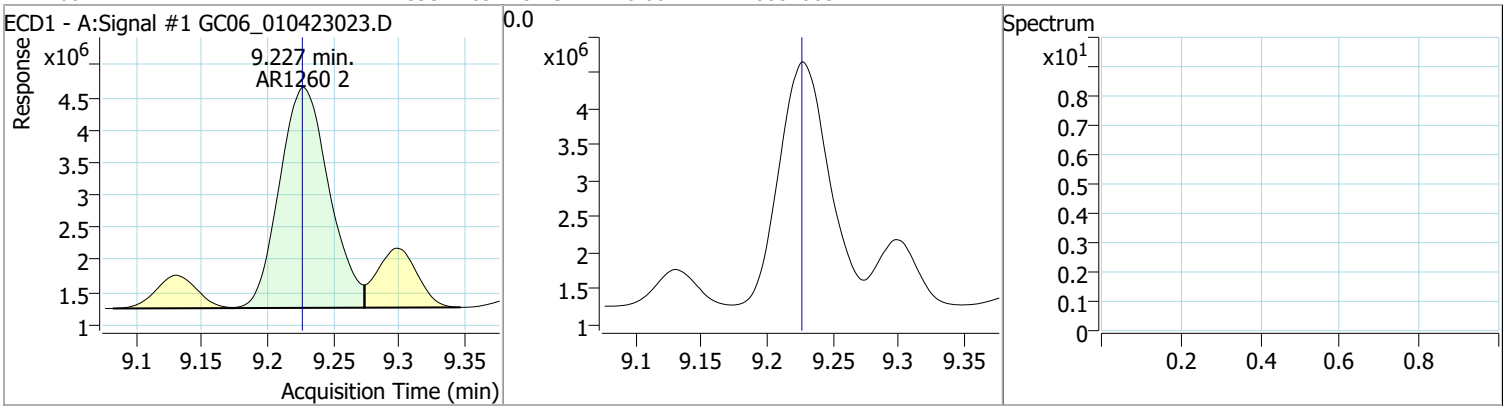
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1747.0484	7.83	0.00	14335976				



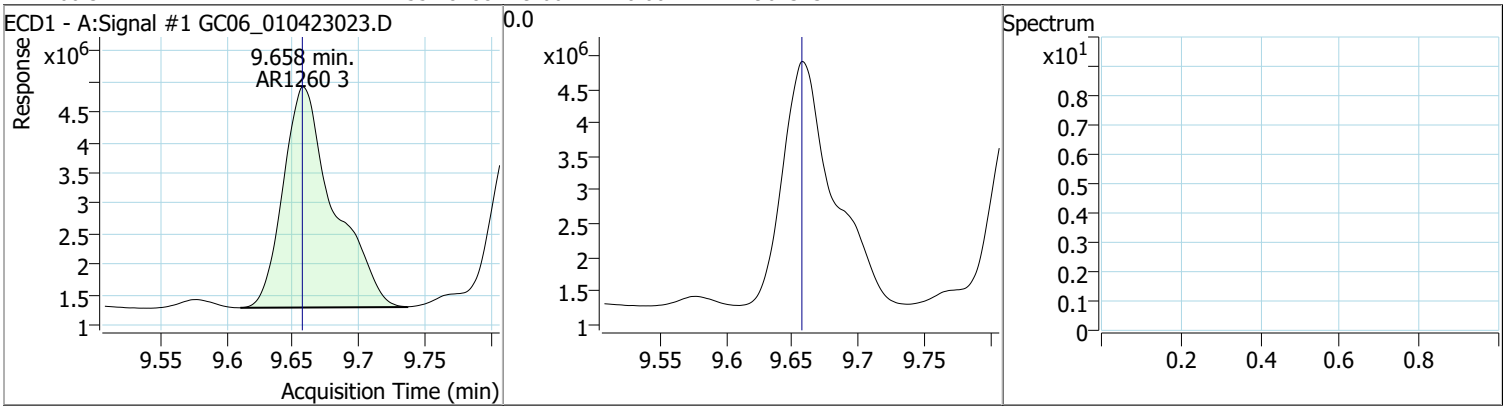
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1478.2159	8.74	0.00	5916942				



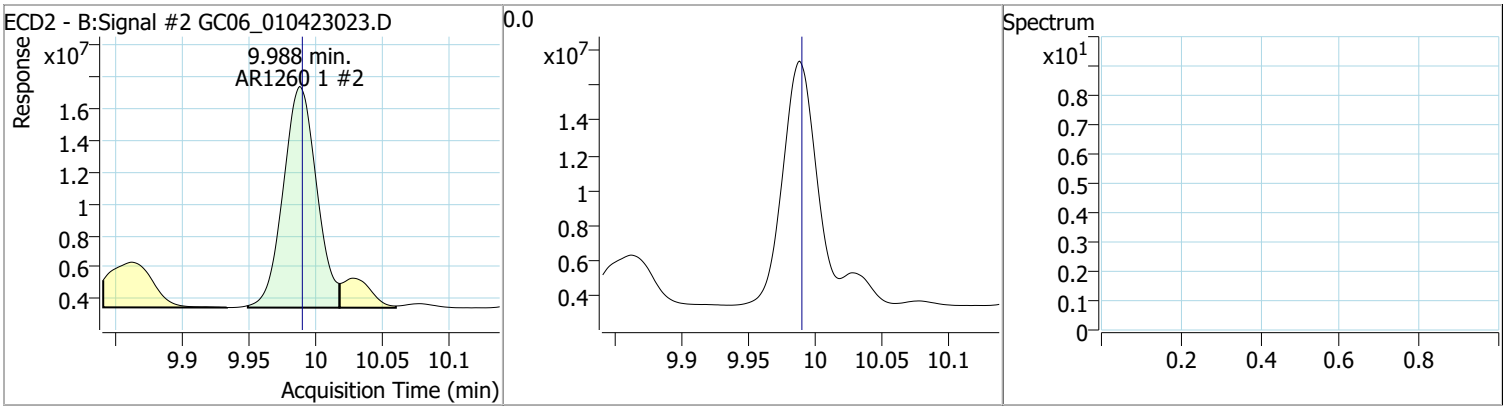
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1593.1489	9.23	0.00	8887065				



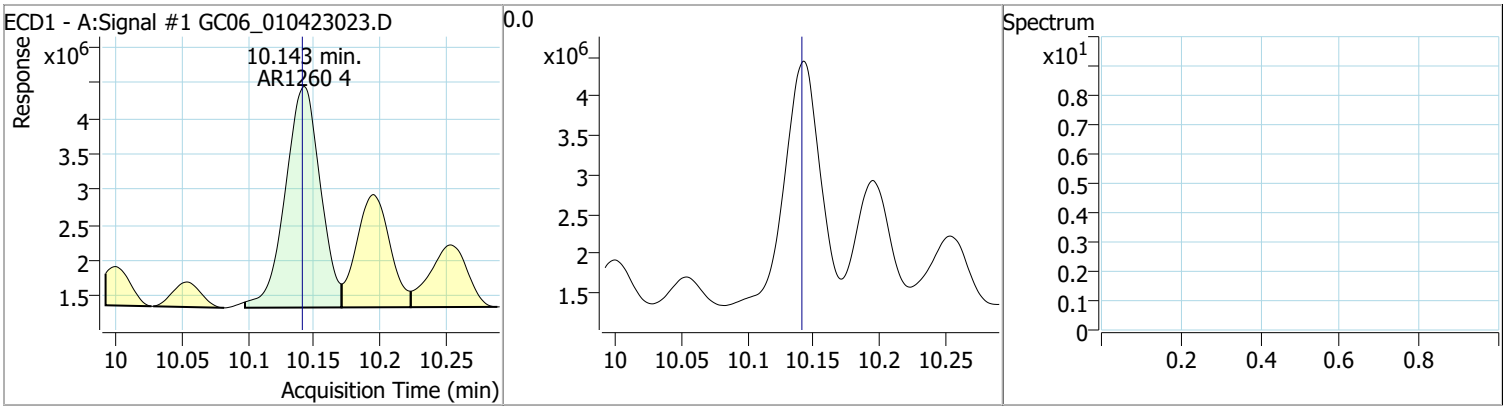
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1554.8188	9.66	0.00	9673137				



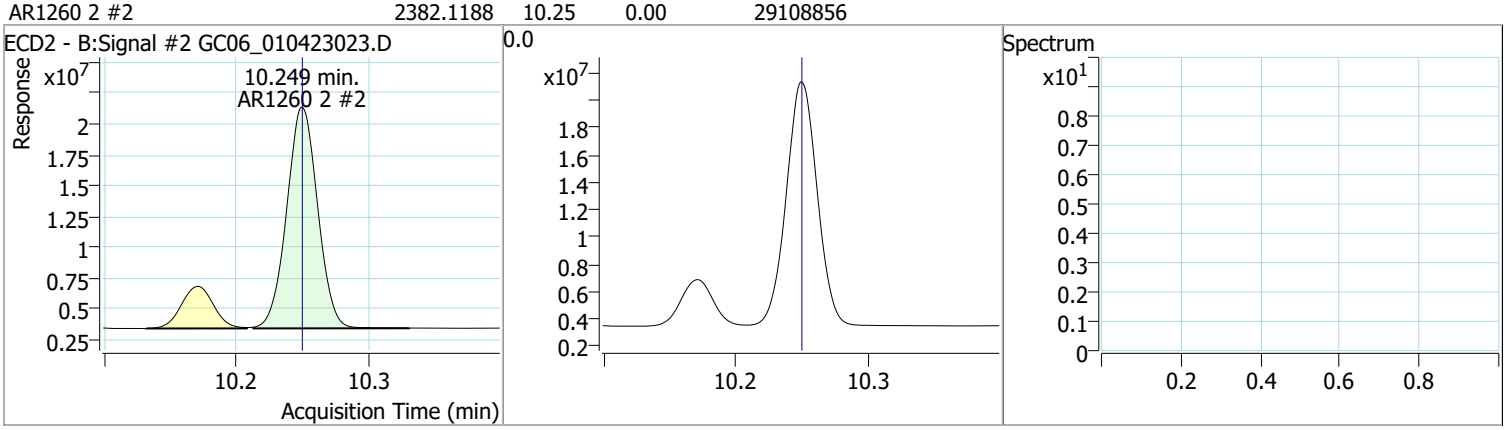
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1564.6617	9.99	0.00	24413665				



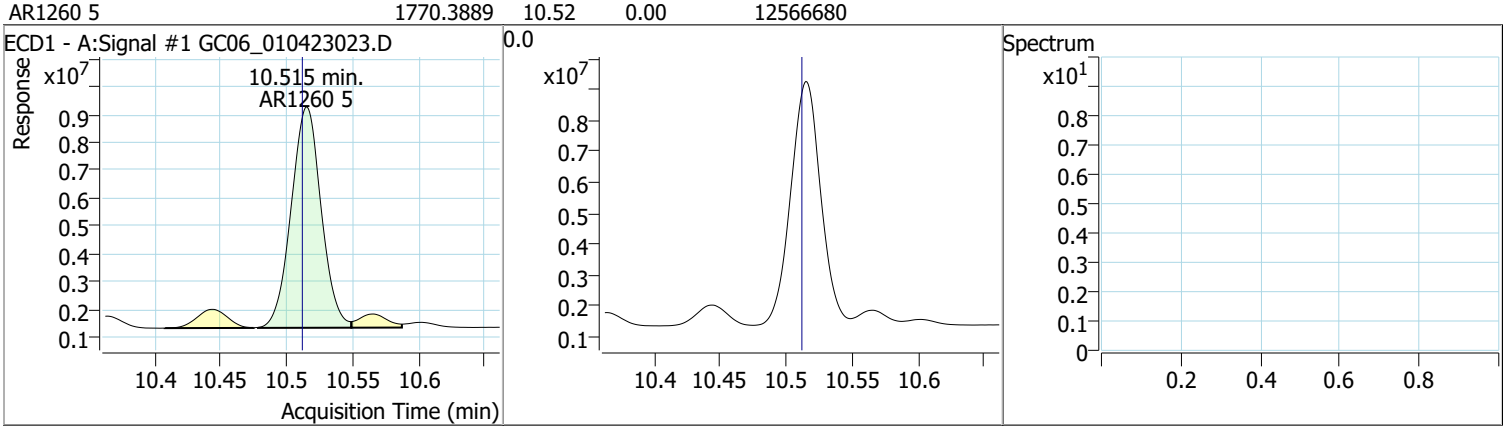
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1756.3240	10.14	0.00	5752912				



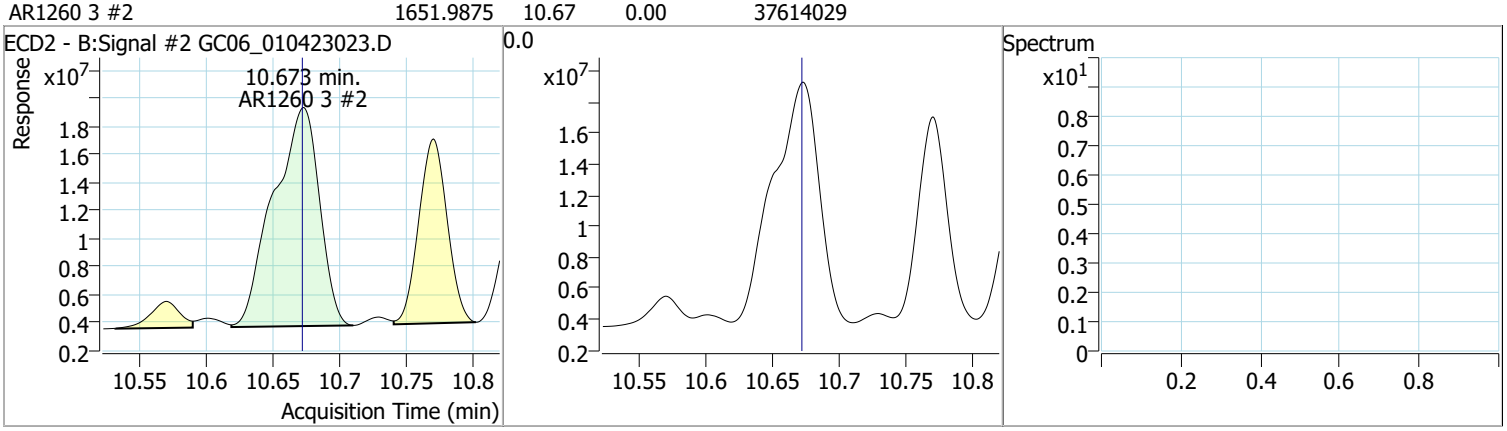
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2382.1188	10.25	0.00	29108856				



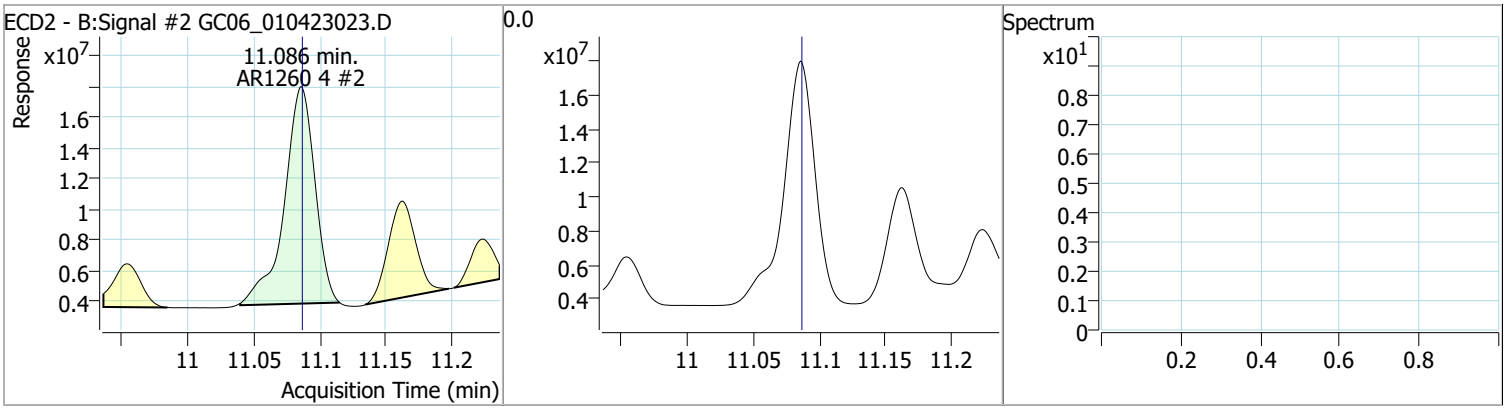
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1770.3889	10.52	0.00	12566680				



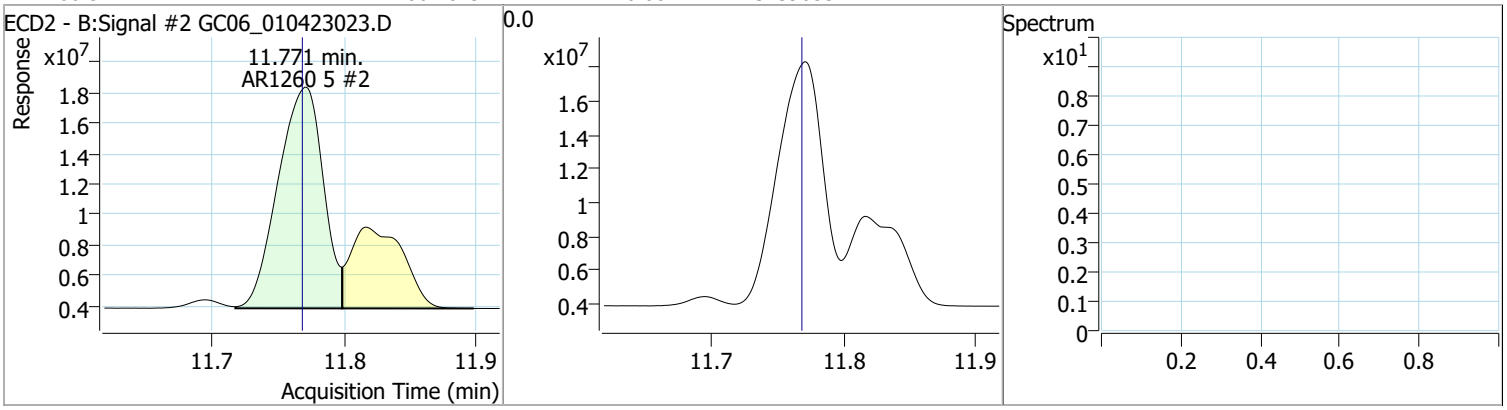
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1651.9875	10.67	0.00	37614029				



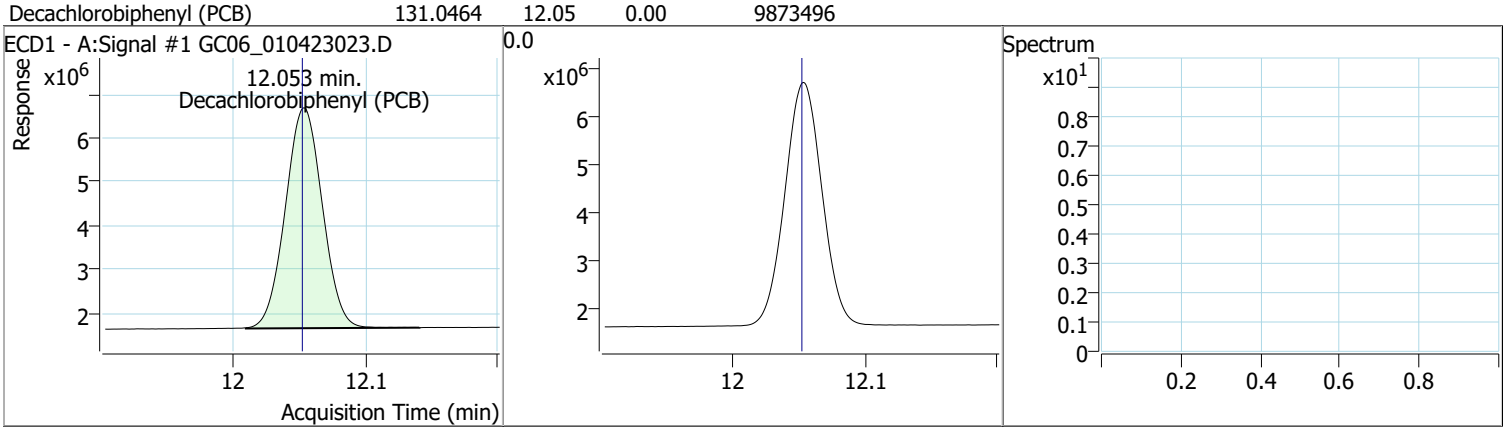
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1822.0052	11.09	0.00	22805800				



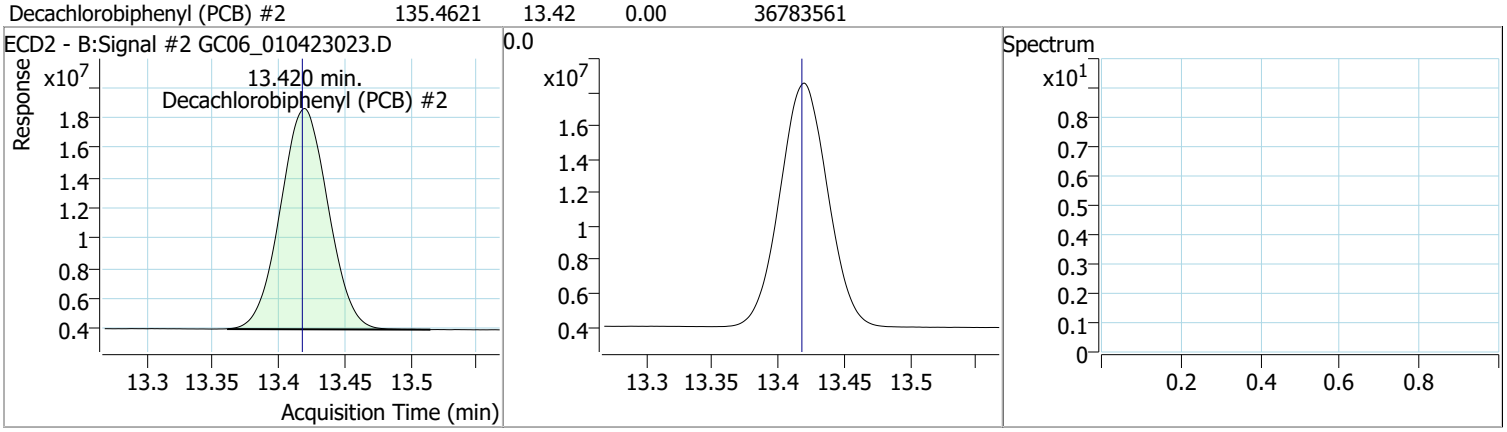
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1667.8194	11.77	0.00	34390537				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	131.0464	12.05	0.00	9873496				

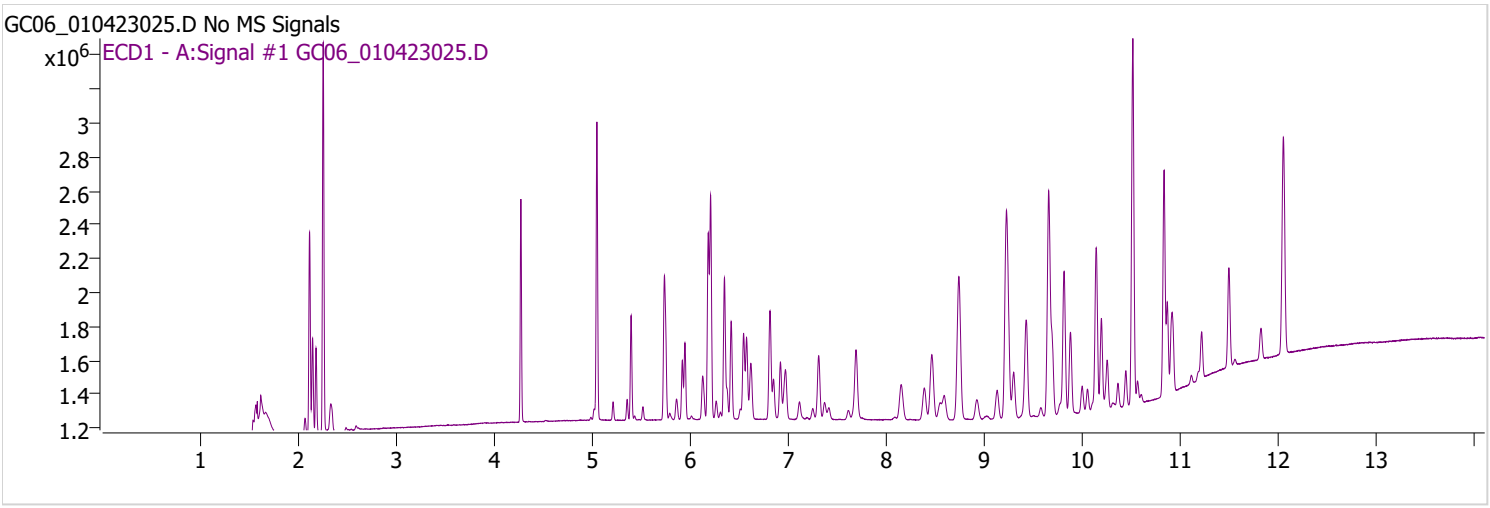


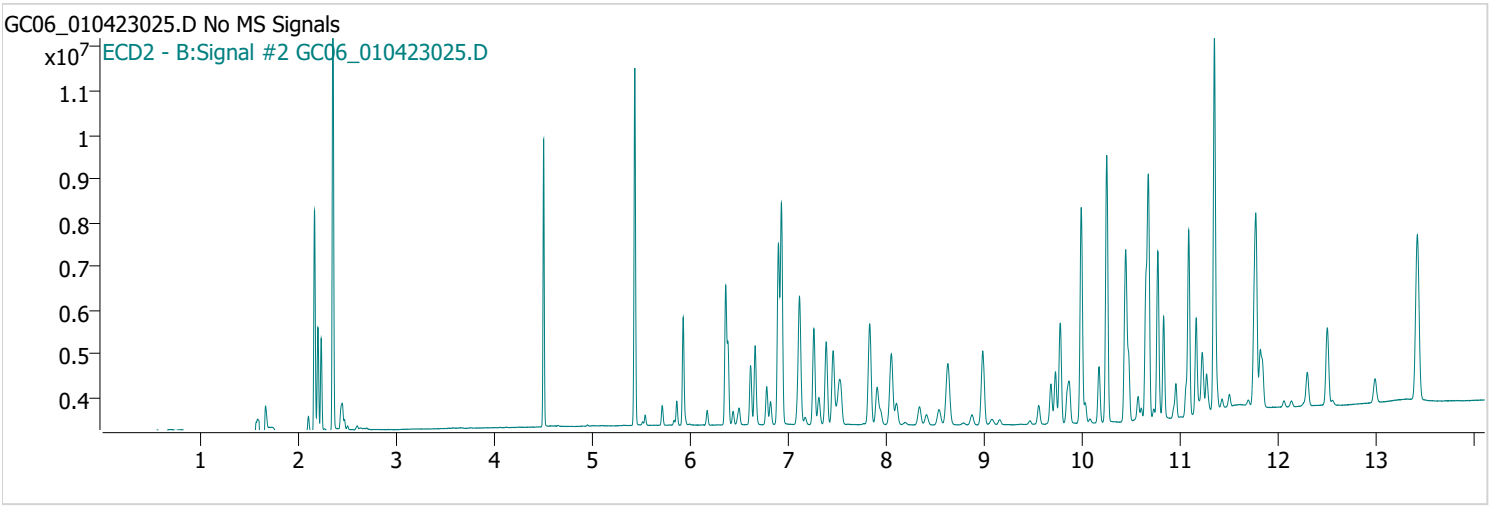
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	135.4621	13.42	0.00	36783561				



Quantitation Results Report (Not Reviewed)

Data File	GC06_010423025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	1/4/2023 6:53:02 PM
Sample Name	ICAL, S17806	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	010423PCBICAL.batch.bin	Last Calib Update	1/5/2023 11:49:30 AM
Ref Library			



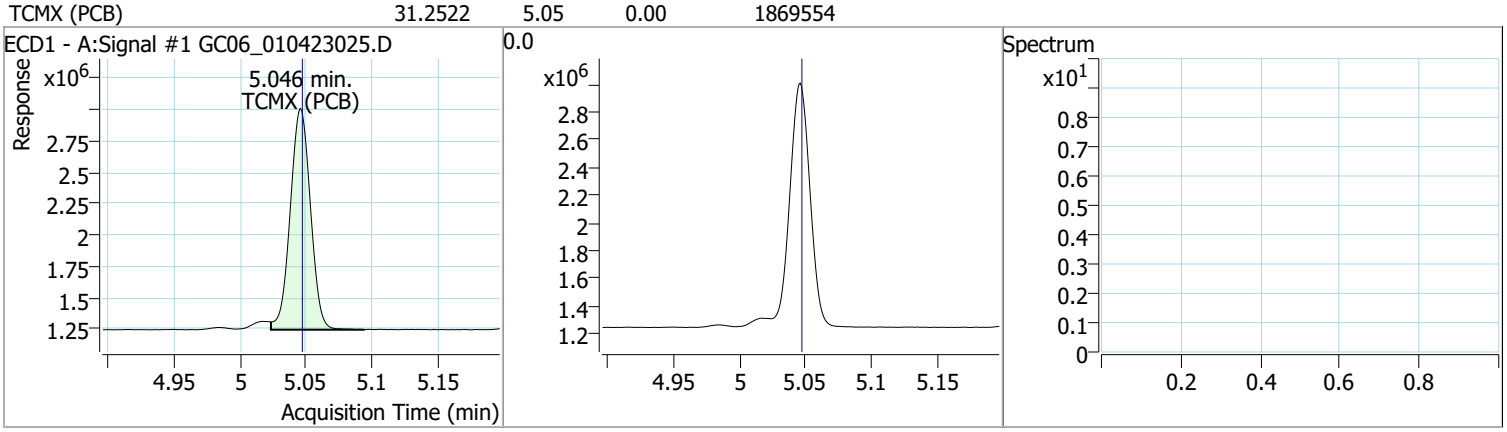


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.270	0.0	1207218.788	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.503	0.0	5646289.934	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	5.046	0.0	1869554.105	31.2522	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.26%		*	
S TCMX (PCB) #2	5.433	0.0	8715259.383	31.9180	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.59%		*	
S Decachlorobiphenyl (PCB)	12.052	0.0	2543618.322	30.2376	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.19%		*	
S Decachlorobiphenyl (PCB) #2	13.419	0.0	9441389.345	30.8036	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.02%		*	
Target Compounds							QValue

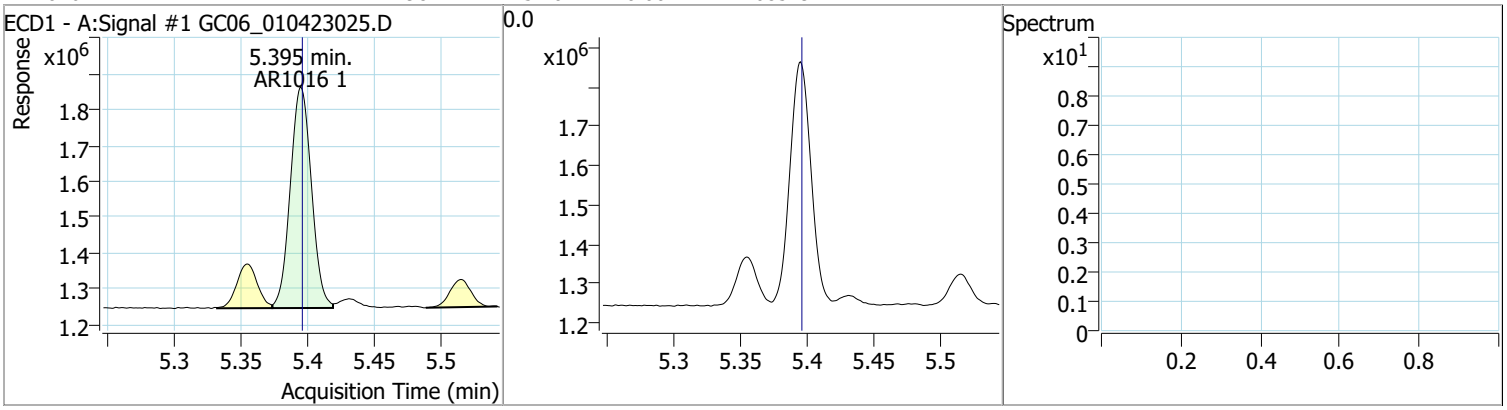
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.395	0.0	685791.460	498.4217	ng/ml		100
T AR1016 2	5.735	0.0	1449355.881	570.0279	ng/ml		100
T AR1016 1 #2	5.927	0.0	3111671.321	498.9028	ng/ml		100
T AR1016 3	6.206	0.0	1716763.084	498.3229	ng/ml		100
T AR1016 4	6.348	0.0	1165675.544	530.4630	ng/ml	m	100
T AR1016 2 #2	6.361	0.0	4579779.208	509.1909	ng/ml	m	100
T AR1016 5	6.543	0.0	760646.708	527.2051	ng/ml	m	100
T AR1016 3 #2	6.928	0.0	8089218.742	510.8386	ng/ml		100
T AR1016 4 #2	7.113	0.0	5905485.482	511.0531	ng/ml		100
T AR1016 5 #2	7.830	0.0	4759248.422	513.8283	ng/ml		100
T AR1260 1	8.740	0.0	2114317.220	473.0997	ng/ml		100
T AR1260 2	9.226	0.0	3214030.729	526.7636	ng/ml		100
T AR1260 3	9.657	0.0	3489865.349	502.4156	ng/ml		100
T AR1260 1 #2	9.988	0.0	8562036.479	486.1457	ng/ml		100
T AR1260 4	10.142	0.0	1729839.736	473.0039	ng/ml		100
T AR1260 2 #2	10.249	0.0	10162235.638	566.7077	ng/ml		100
T AR1260 5	10.516	0.0	3541902.567	446.9168	ng/ml		100
T AR1260 3 #2	10.673	0.0	13332436.787	518.7623	ng/ml		100
T AR1260 4 #2	11.086	0.0	6695022.524	473.8690	ng/ml		100
T AR1260 5 #2	11.770	0.0	9991759.359	429.2932	ng/ml		100

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

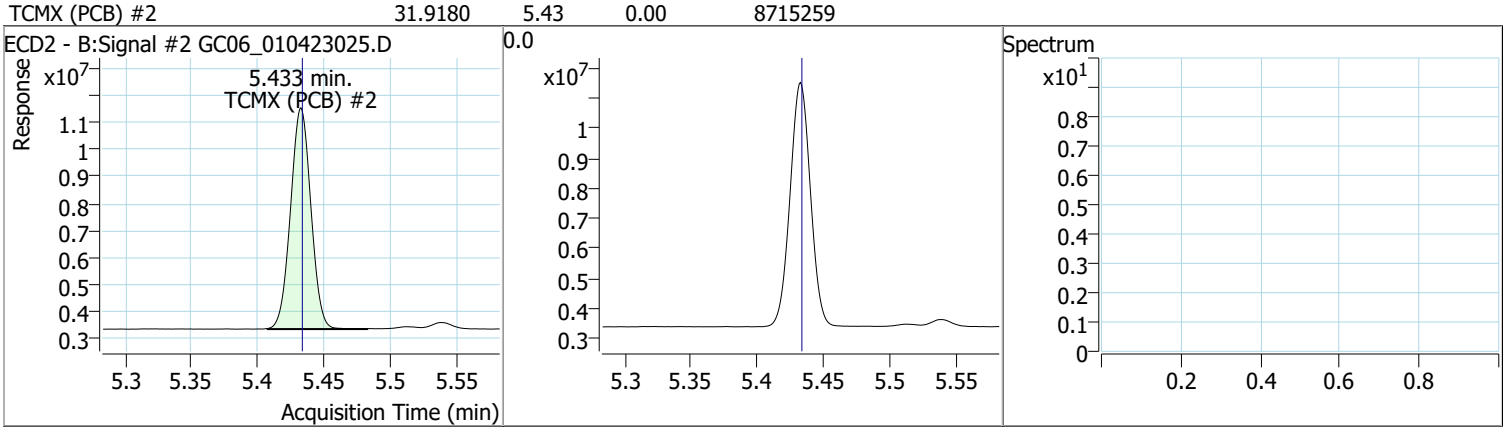
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.2522	5.05	0.00	1869554				



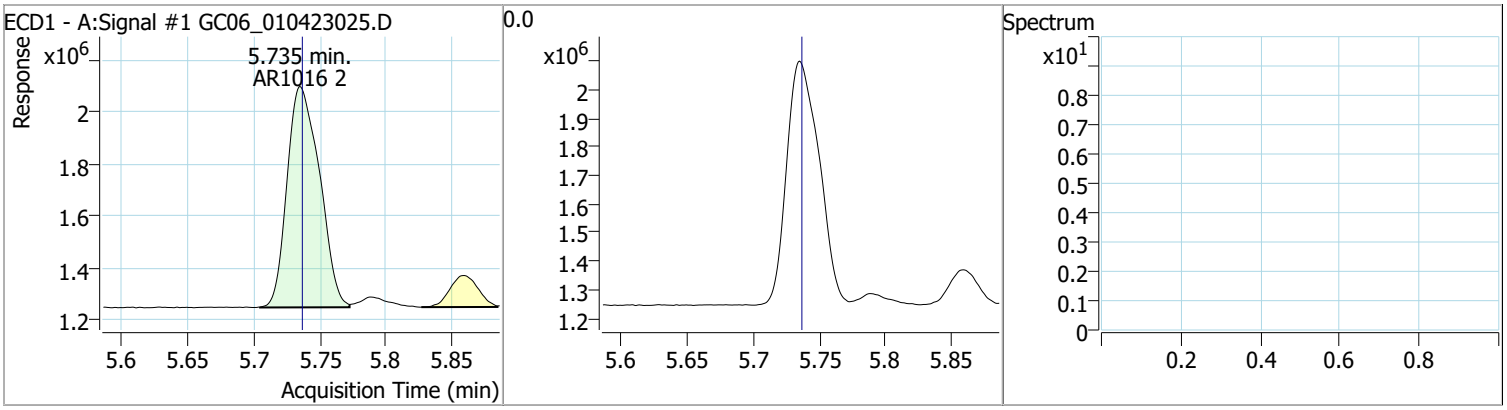
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	498.4217	5.40	0.00	685791				



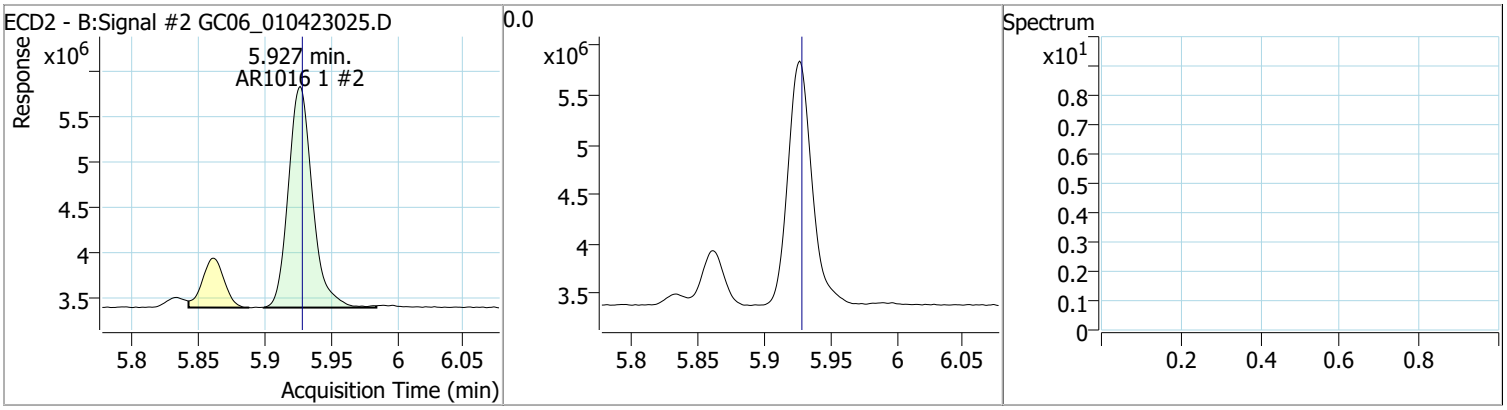
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.9180	5.43	0.00	8715259				



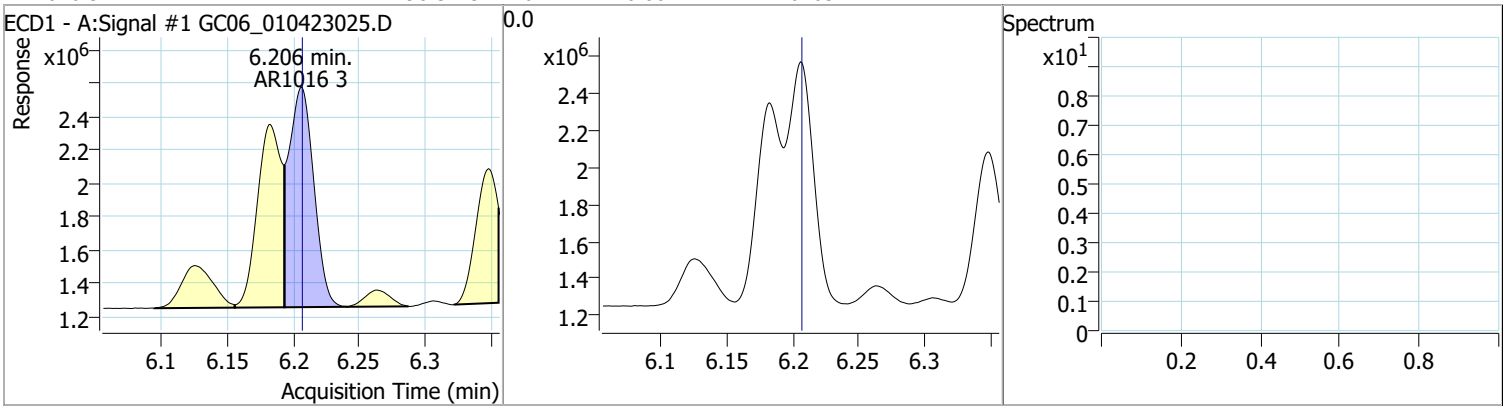
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	570.0279	5.74	0.00	1449356				



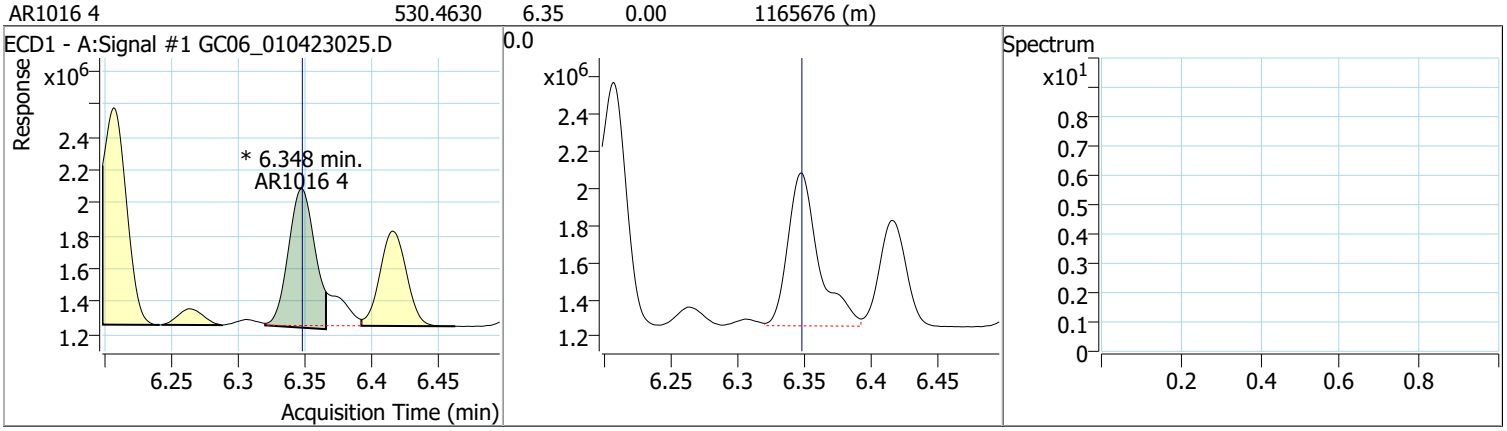
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	498.9028	5.93	0.00	3111671				



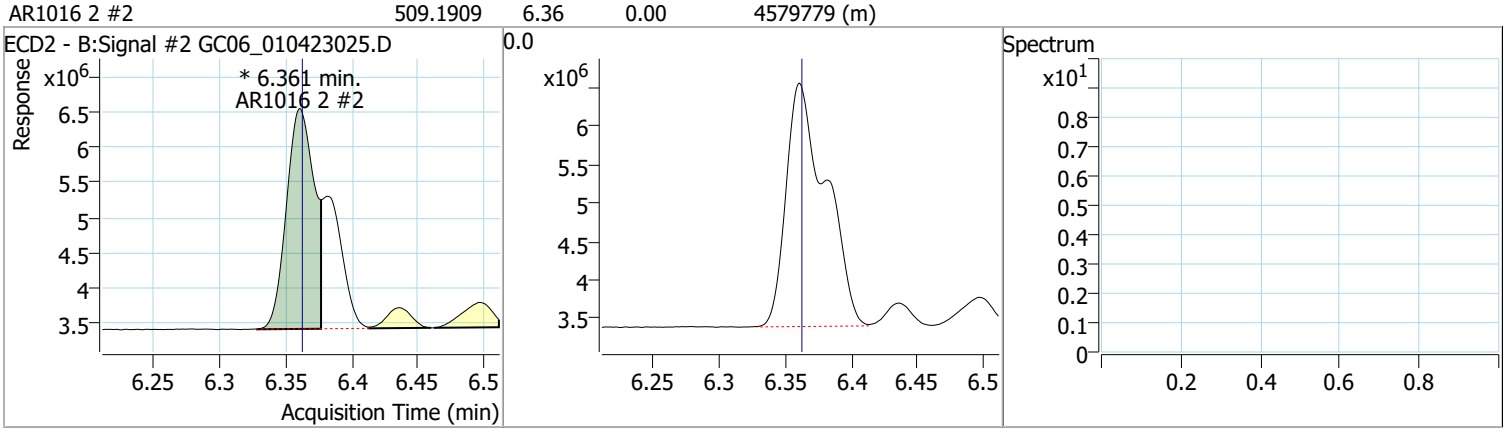
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	498.3229	6.21	0.00	1716763				



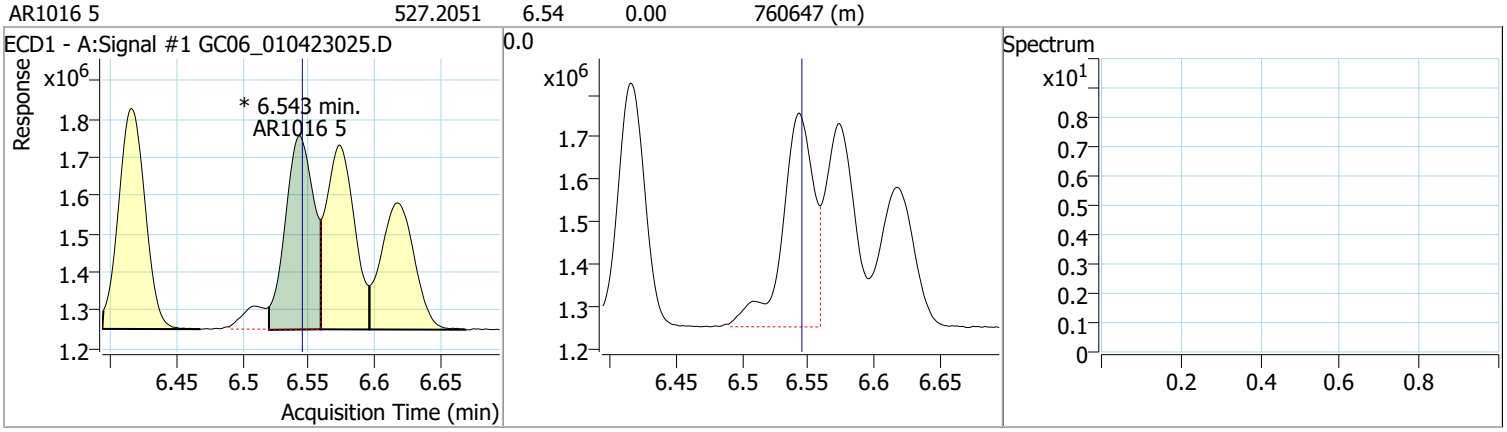
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	530.4630	6.35	0.00	1165676 (m)				



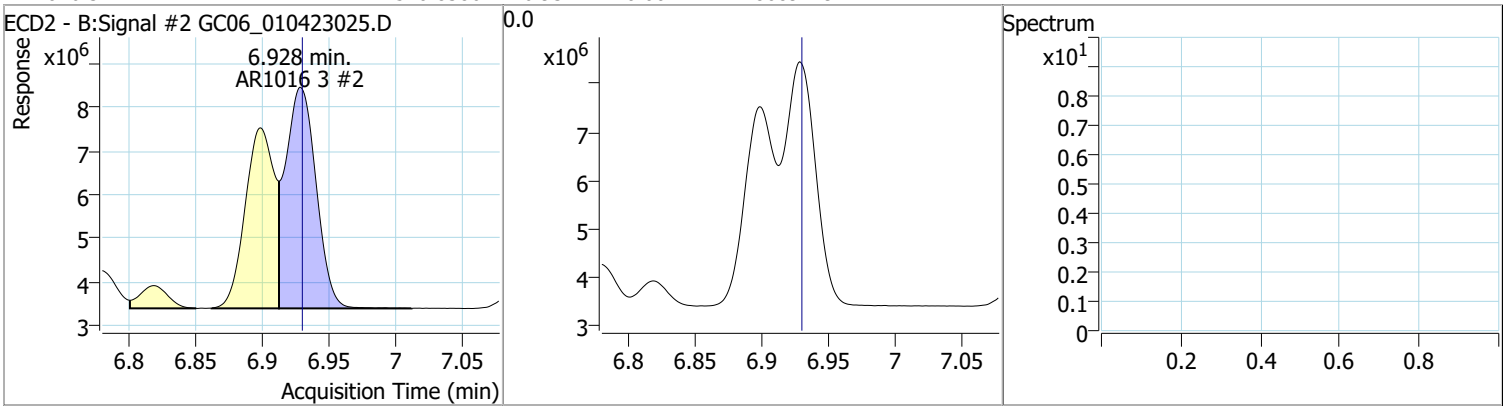
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	509.1909	6.36	0.00	4579779 (m)				



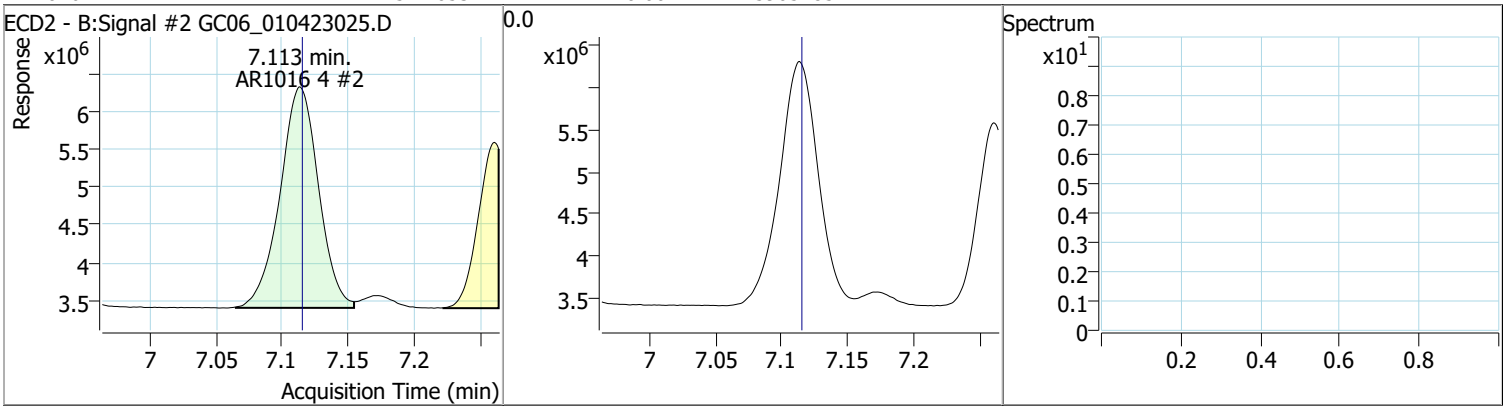
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	527.2051	6.54	0.00	760647 (m)				



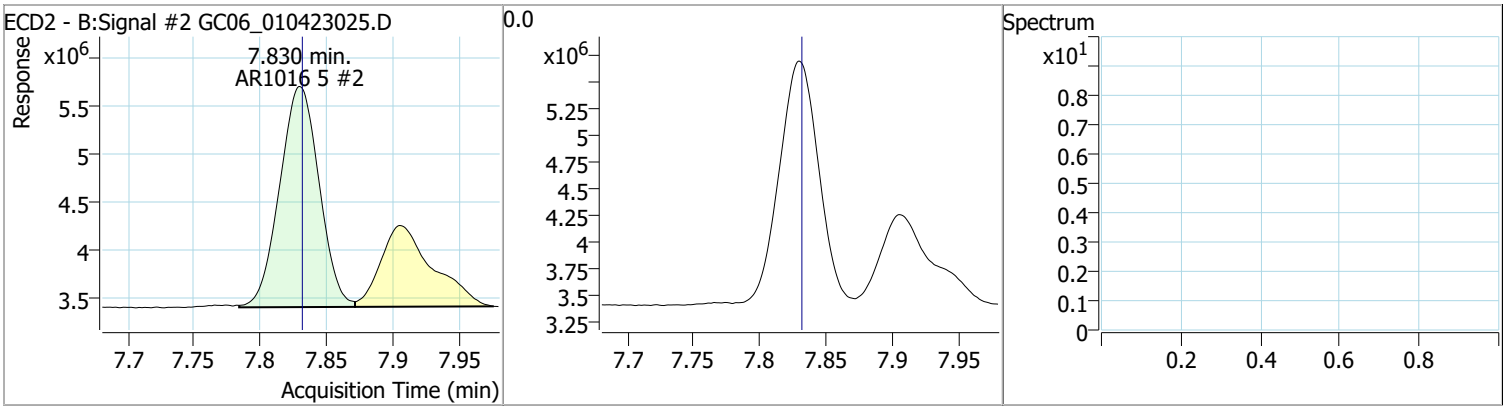
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	510.8386	6.93	0.00	8089219				



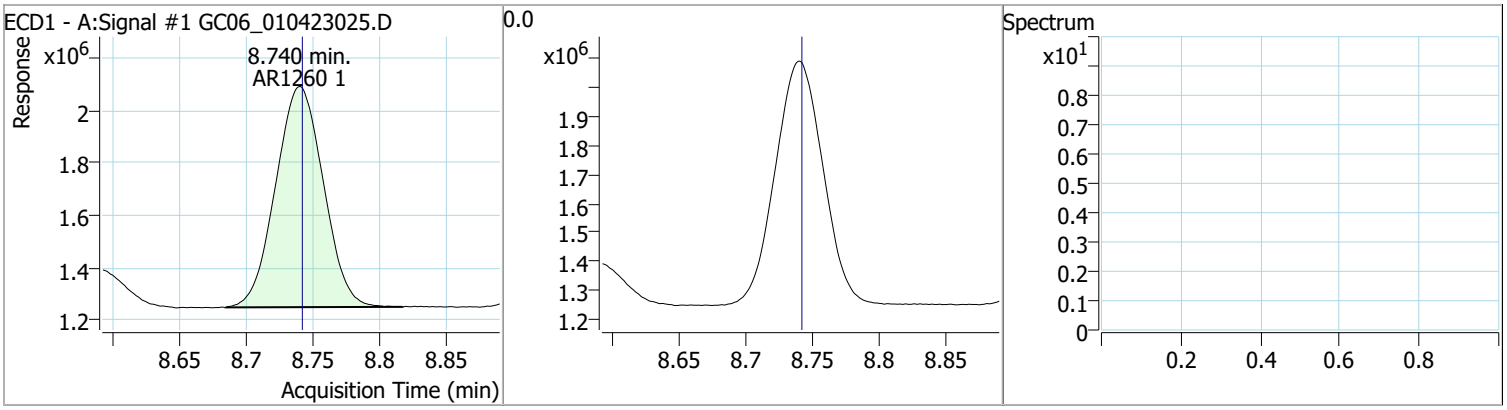
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AR1016 4 #2	511.0531	7.11	0.00	5905485				



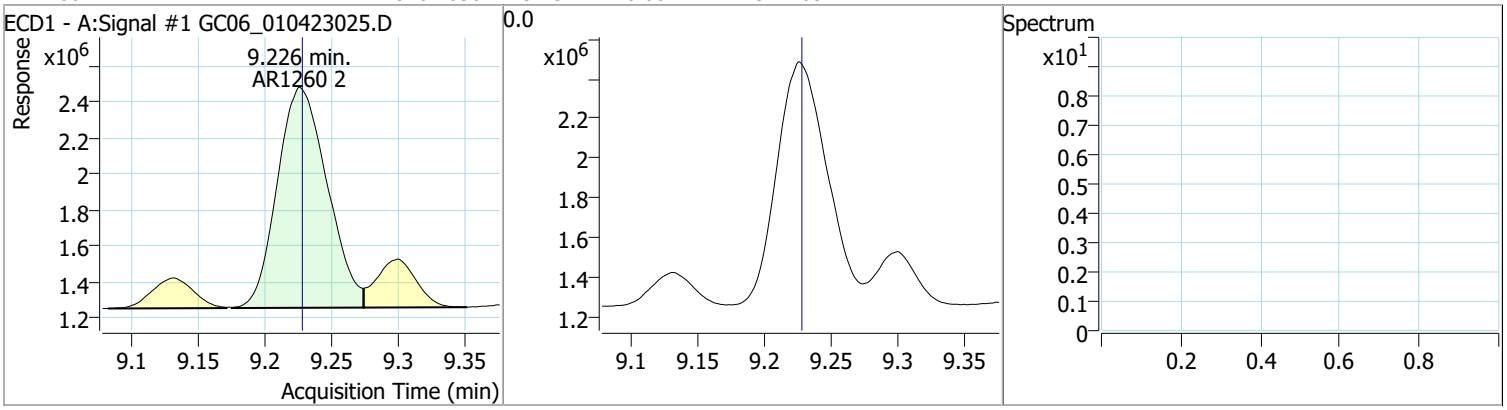
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	513.8283	7.83	0.00	4759248				



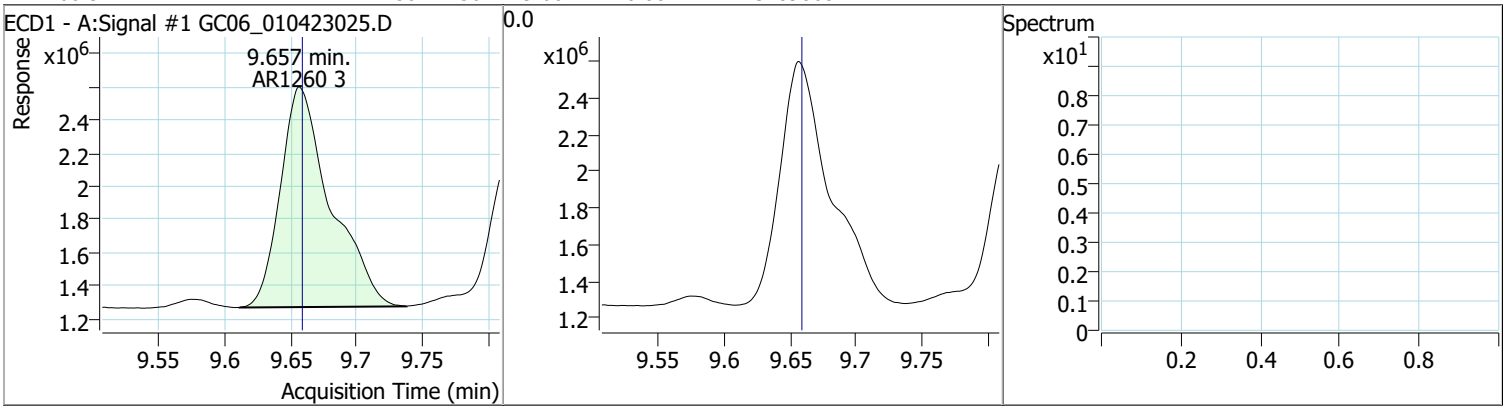
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	473.0997	8.74	0.00	2114317				



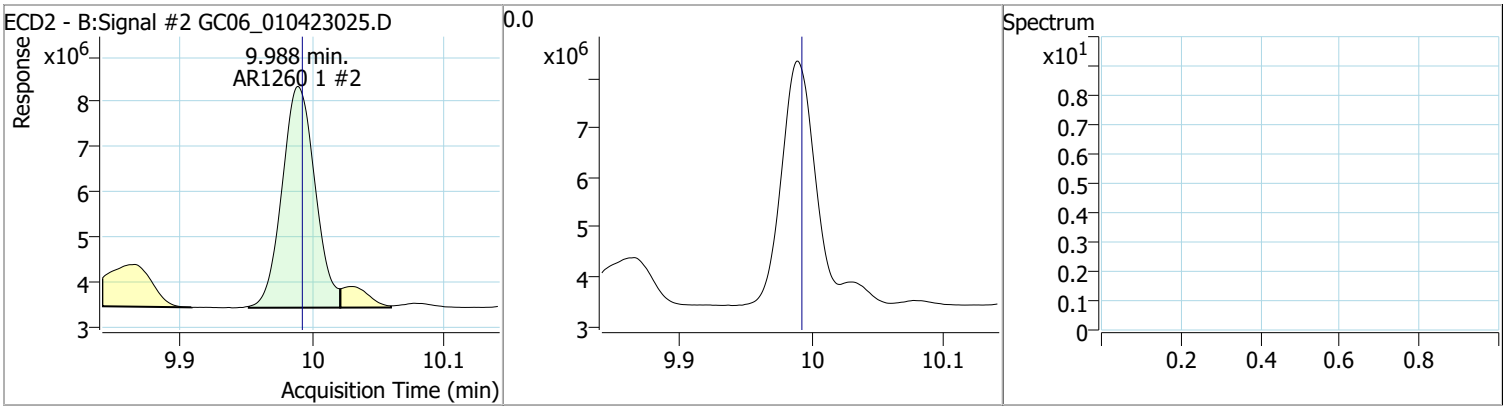
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	526.7636	9.23	0.00	3214031				



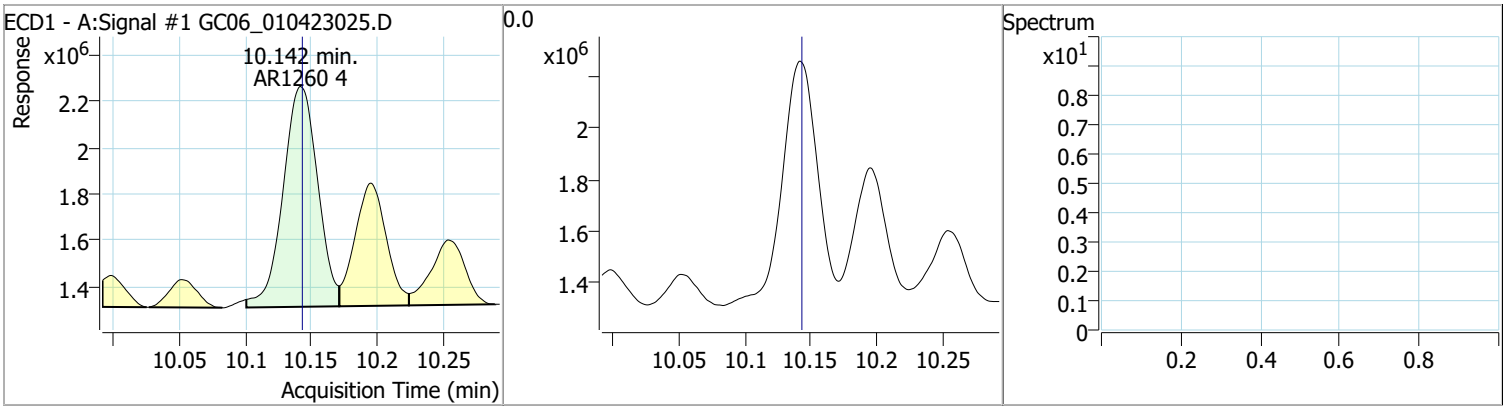
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	502.4156	9.66	0.00	3489865				



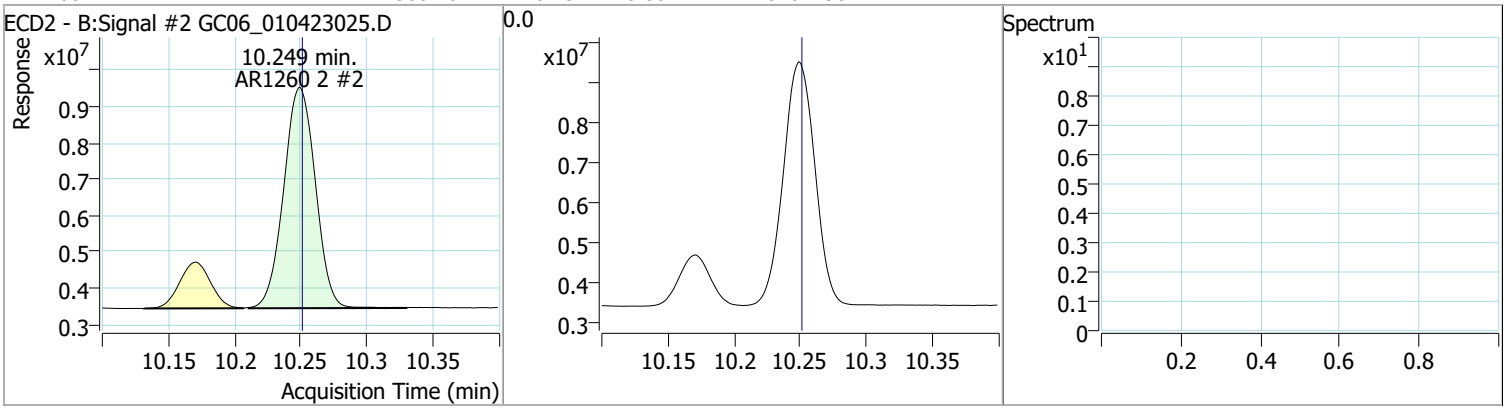
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	486.1457	9.99	0.00	8562036				



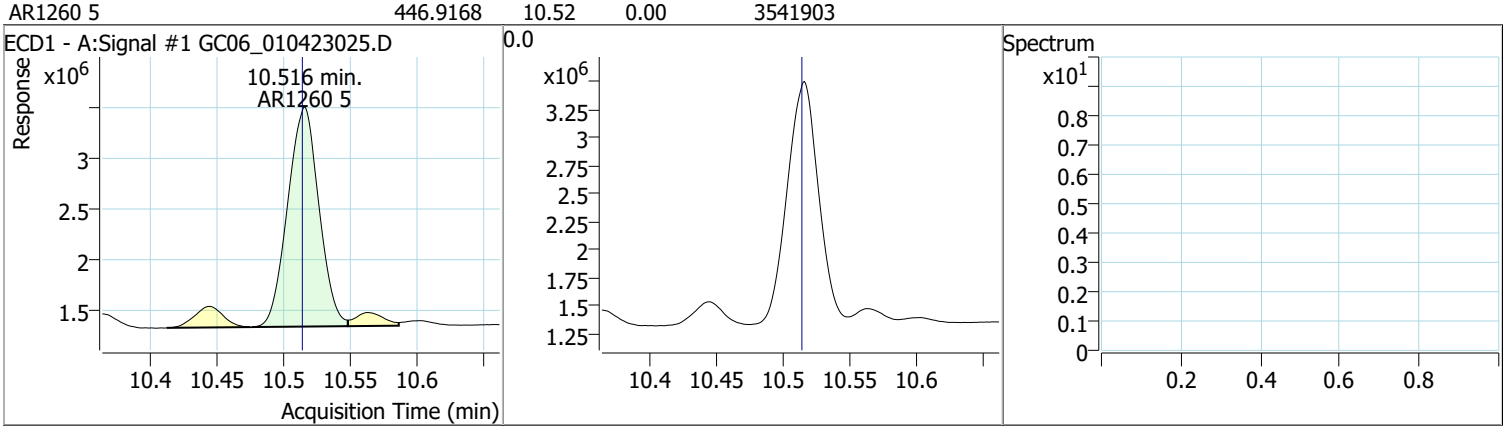
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	473.0039	10.14	0.00	1729840				



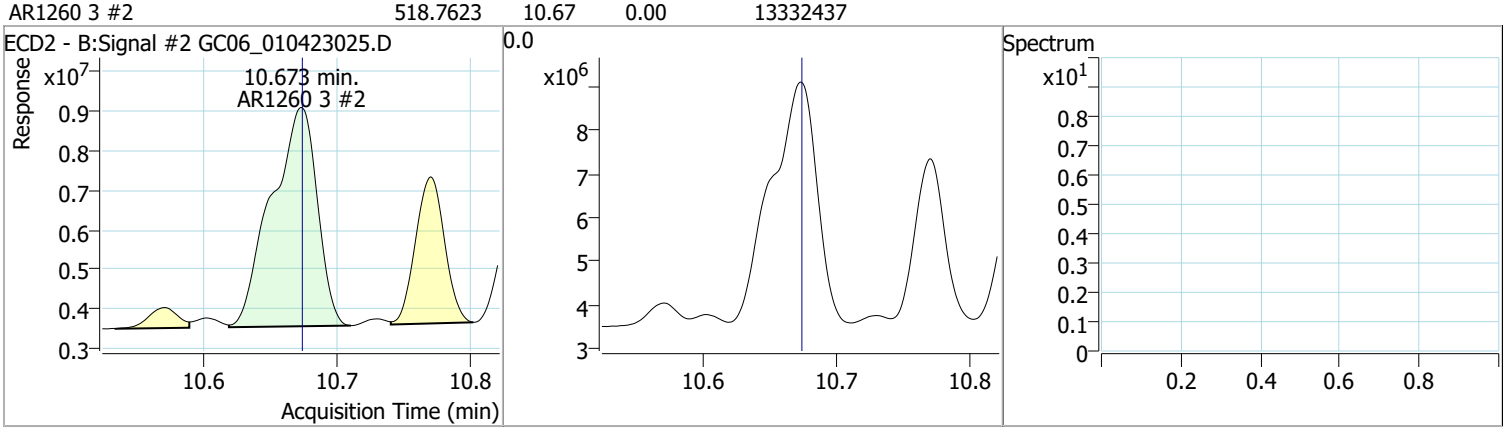
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	566.7077	10.25	0.00	10162236				



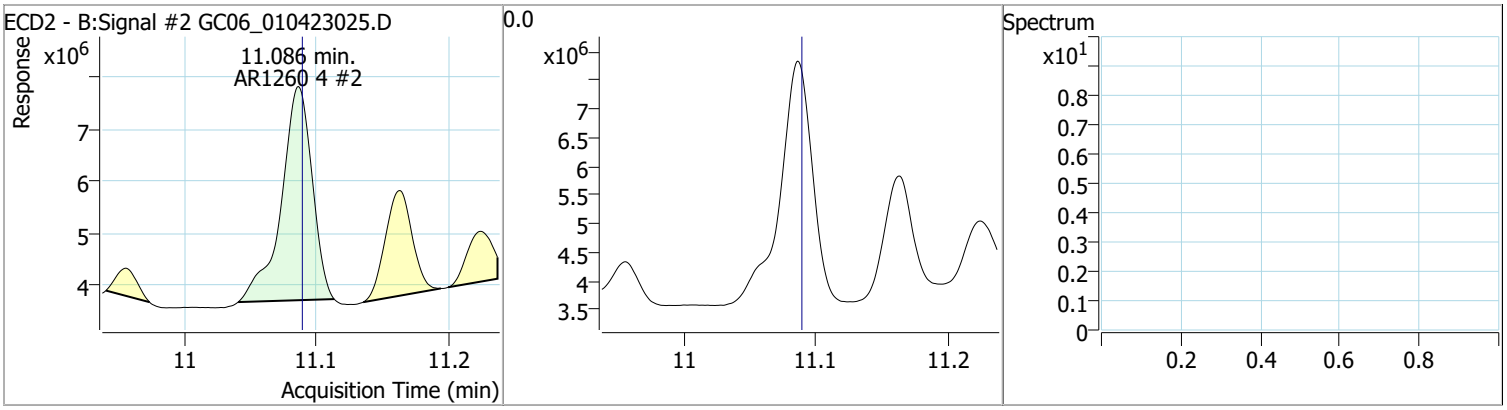
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	446.9168	10.52	0.00	3541903				



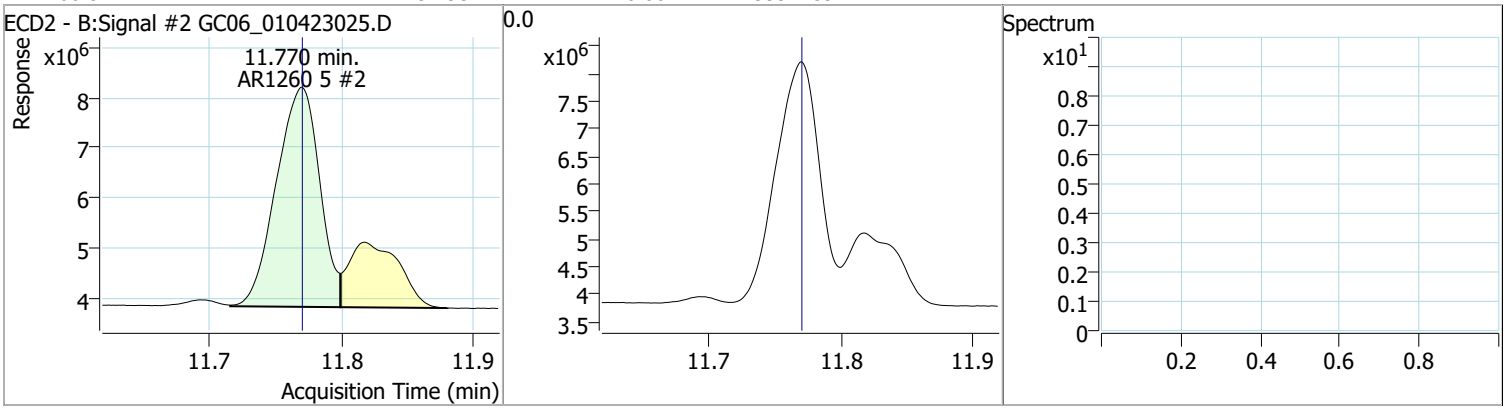
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	518.7623	10.67	0.00	13332437				



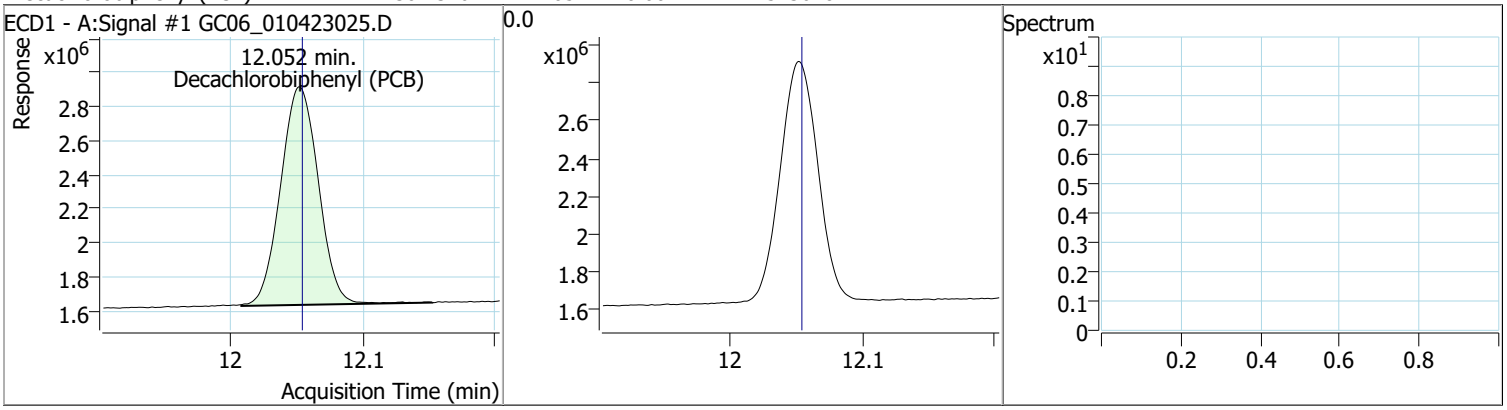
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	473.8690	11.09	0.00	6695023				



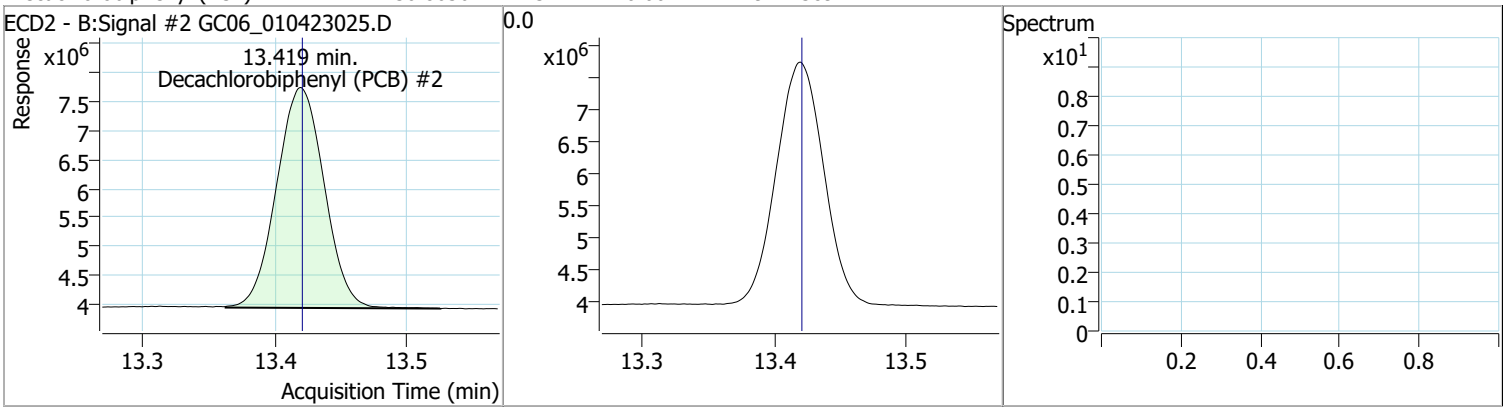
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	429.2932	11.77	0.00	9991759				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.2376	12.05	0.00	2543618				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.8036	13.42	0.00	9441389				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 478371 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453046656002	File:	gc06_020123002	Time:	01-FEB-2023 09:36
Cal:	453006691001	Caldate:	04-JAN-2023		

Standards: S17896

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	472.6	ug/L	-5	15	0.0000	
Aroclor-1260	A			500.0	445.3	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3936	1.3567	40.00	38.94	ug/L	-3	15	0.0000	
TCMX (PCB)	A	0.9911	0.9462	40.00	38.19	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	444.2	ug/L	-11	15	0.0000	
Aroclor-1260	B			500.0	443.0	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0857	1.0543	40.00	38.84	ug/L	-3	15	0.0000	
TCMX (PCB)	B	0.9672	0.9370	40.00	38.75	ug/L	-3	15	0.0000	

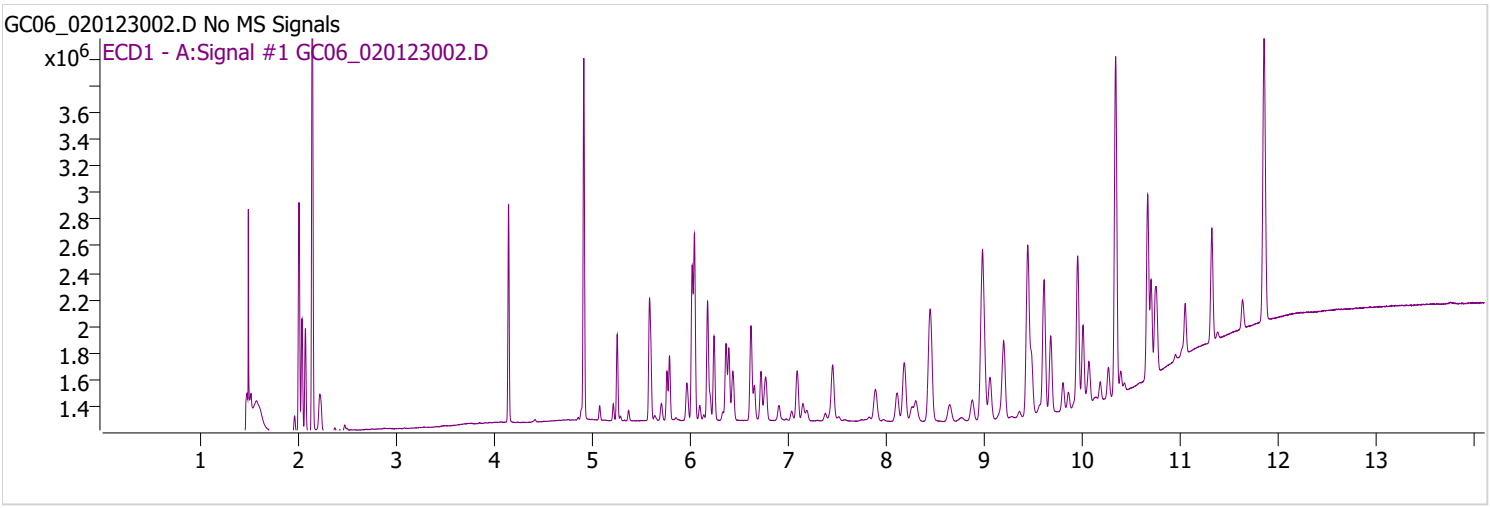
ISTD (ICAL gc06_010423016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5172441	6809781	31.66
1-bromo-2-nitrobenzene (PCB)	A	1108047	1458049	31.59

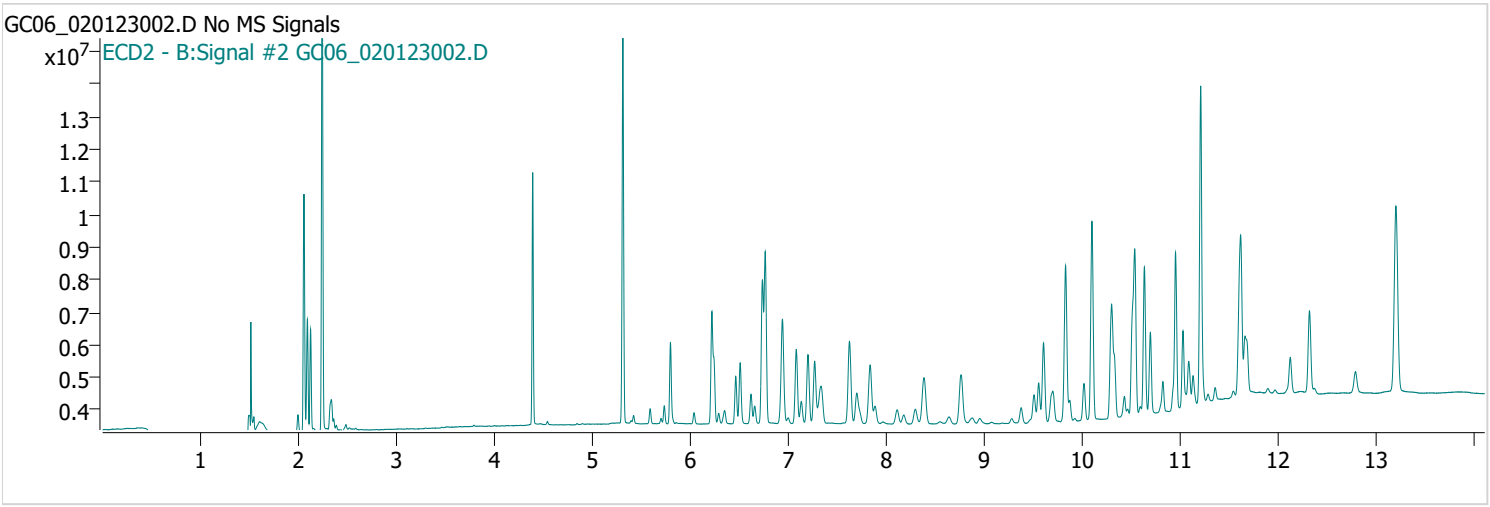
TRN 02/01/23 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

Analyst: TRN 02/01/23 **Reviewer:** LW 02/06/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_020123002.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	2/1/2023 9:36:48 AM
Sample Name	CCV, S17896	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_010423_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	020123_PCB.batch.bin	Last Calib Update	1/5/2023 6:36:49 PM
Ref Library			



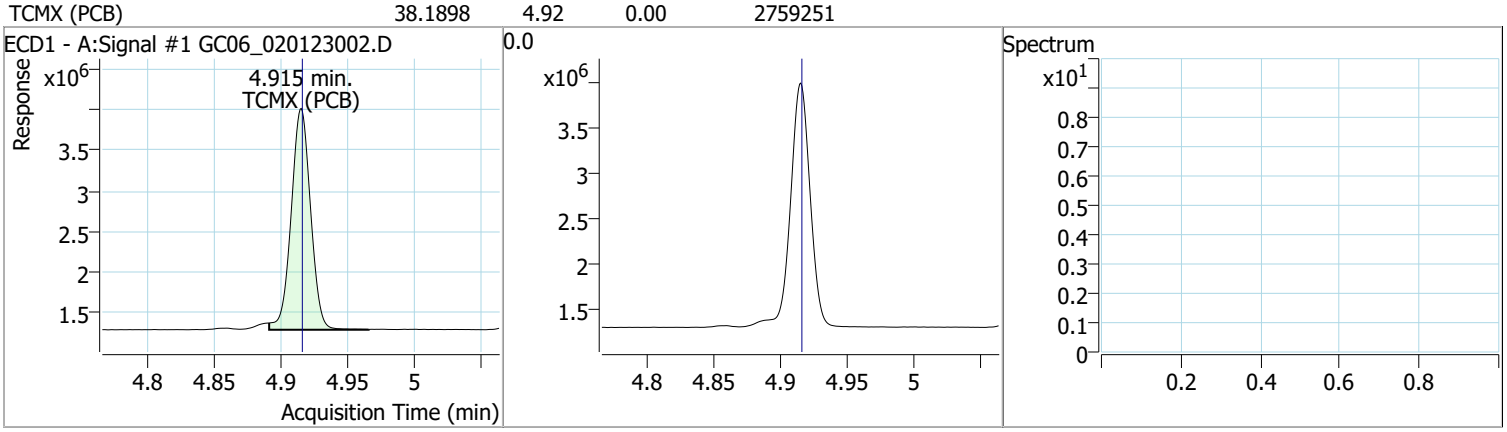


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.146	0.0	1458048.938	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.393	0.0	6809781.248	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.915	0.0	2759250.657	38.1898	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.95%		*	
S TCMX (PCB) #2	5.313	0.0	12761355.779	38.7509	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.75%		*	
S Decachlorobiphenyl (PCB)	11.863	0.0	3956299.247	38.9403	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%		*	
S Decachlorobiphenyl (PCB) #2	13.209	0.0	14359195.815	38.8442	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.22%		*	
Target Compounds							QValue

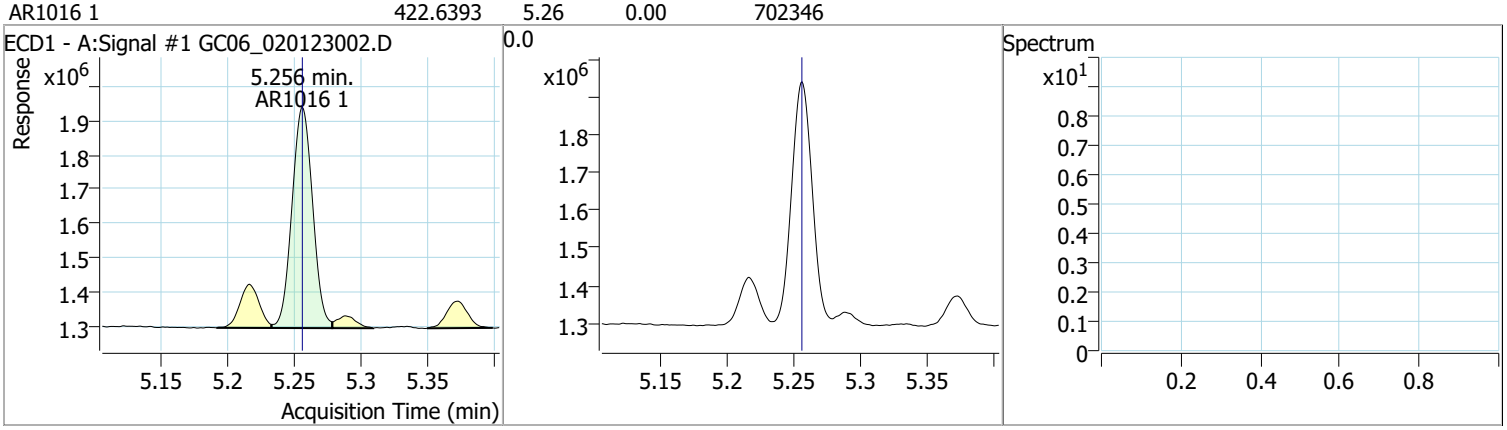
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.256	0.0	702346.111	422.6393	ng/ml		100
T AR1016 2	5.587	0.0	1505270.119	483.2024	ng/ml		100
T AR1016 1 #2	5.800	0.0	3166903.804	421.0049	ng/ml		100
T AR1016 3	6.044	0.0	1819252.838	437.2275	ng/ml		100
T AR1016 4	6.179	0.0	1415754.552	533.4323	ng/ml		100
T AR1016 2 #2	6.223	0.0	4723309.533	435.4242	ng/ml	m	100
T AR1016 5	6.367	0.0	847468.551	486.3334	ng/ml		100
T AR1016 3 #2	6.768	0.0	8523797.102	446.3137	ng/ml		100
T AR1016 4 #2	6.943	0.0	6235846.823	447.4411	ng/ml		100
T AR1016 5 #2	7.628	0.0	5260786.479	470.9343	ng/ml		100
T AR1260 1	8.451	0.0	2275879.065	421.6437	ng/ml		100
T AR1260 2	8.987	0.0	3417884.815	463.8068	ng/ml		100
T AR1260 3	9.449	0.0	3243661.014	386.6373	ng/ml		100
T AR1260 1 #2	9.835	0.0	9943170.685	468.1061	ng/ml		100
T AR1260 4	9.959	0.0	2184175.888	494.4932	ng/ml		100
T AR1260 2 #2	10.104	0.0	10576881.017	482.1103	ng/ml		100
T AR1260 5	10.347	0.0	4404789.535	460.1815	ng/ml		100
T AR1260 3 #2	10.542	0.0	12896691.164	416.0707	ng/ml		100
T AR1260 4 #2	10.958	0.0	7398464.733	434.1880	ng/ml		100
T AR1260 5 #2	11.623	0.0	11643529.567	414.7885	ng/ml		100

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

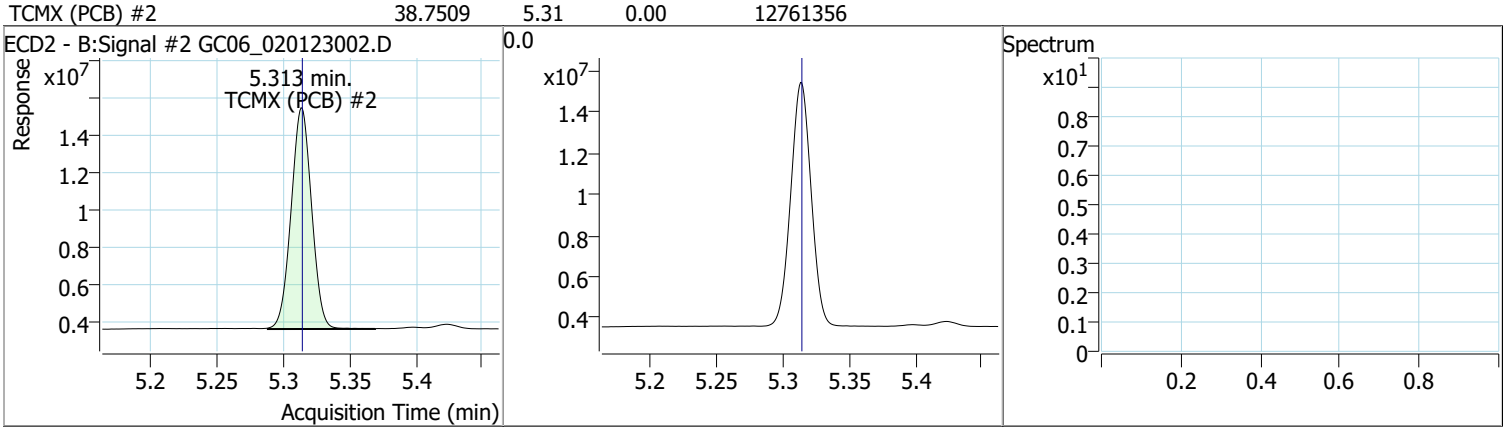
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.1898	4.92	0.00	2759251				



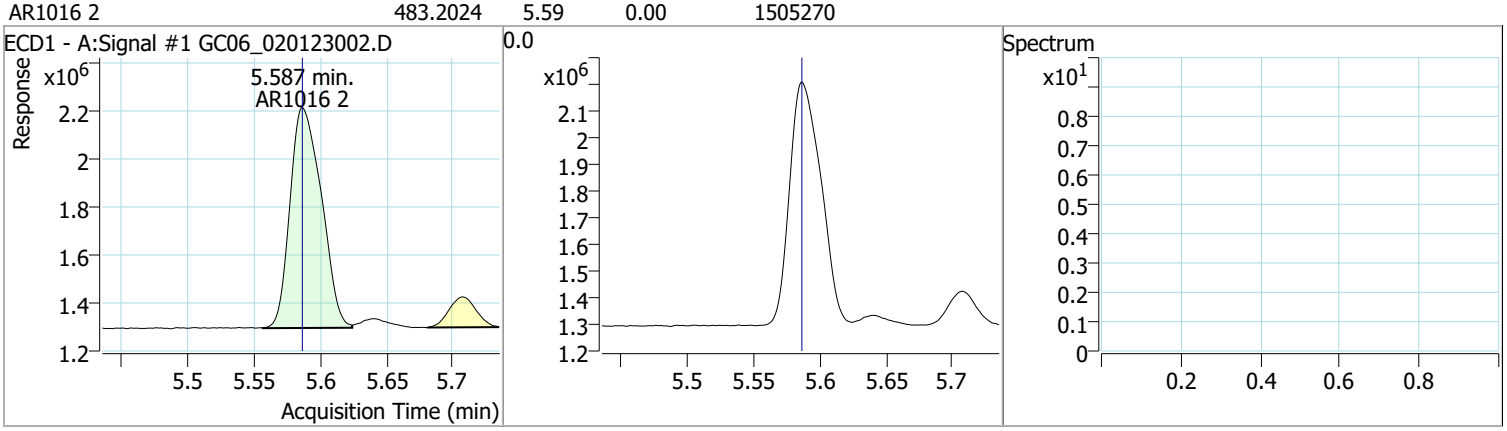
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	422.6393	5.26	0.00	702346				



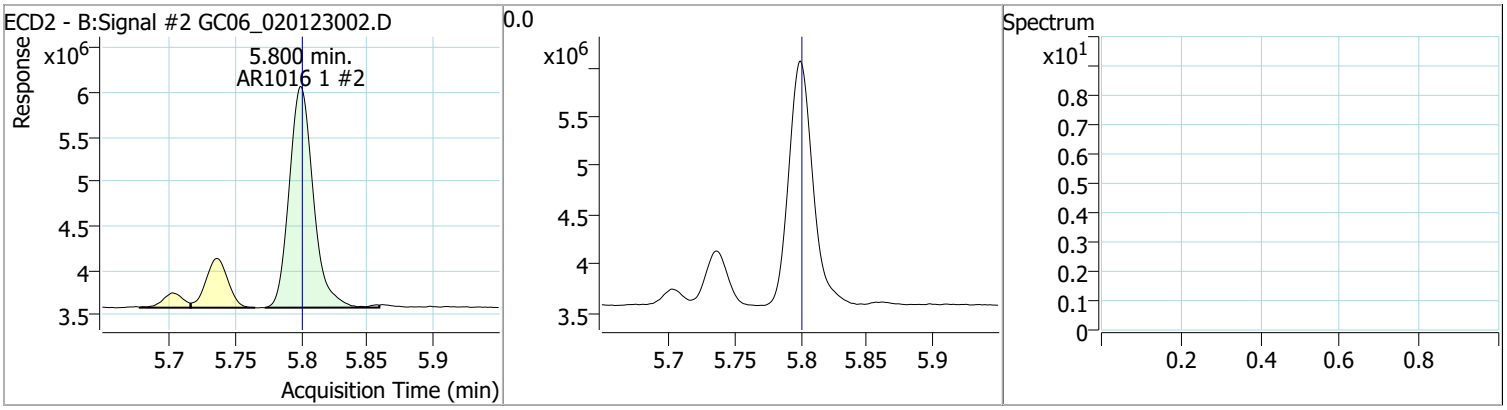
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.7509	5.31	0.00	12761356				



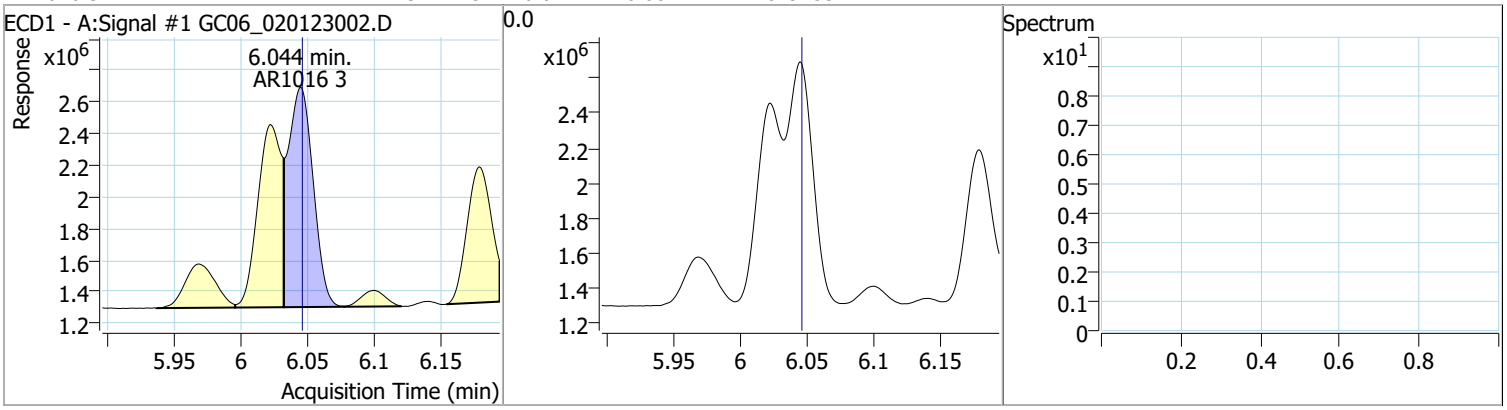
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	483.2024	5.59	0.00	1505270				



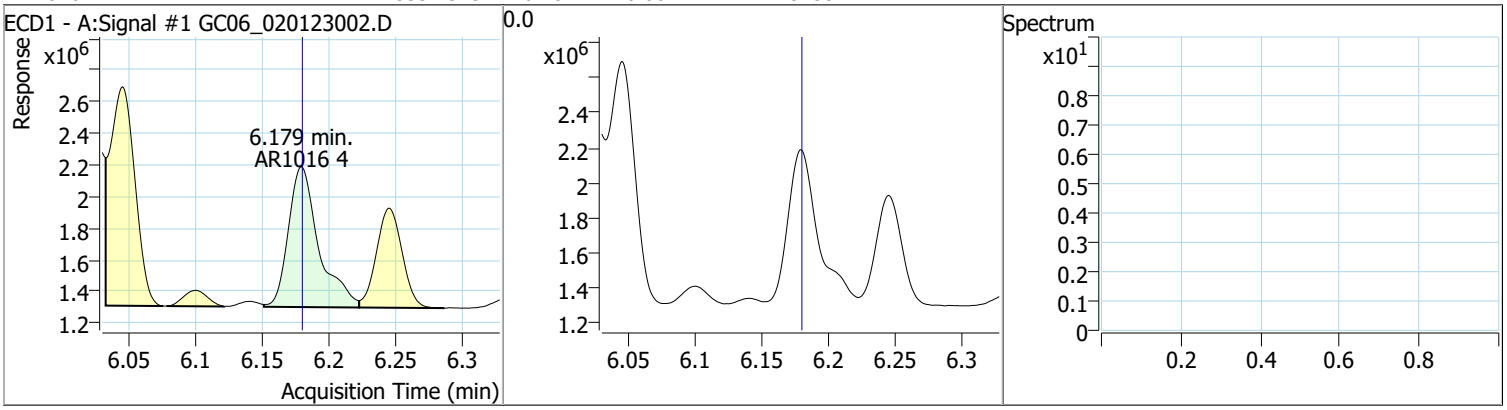
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	421.0049	5.80	0.00	3166904				



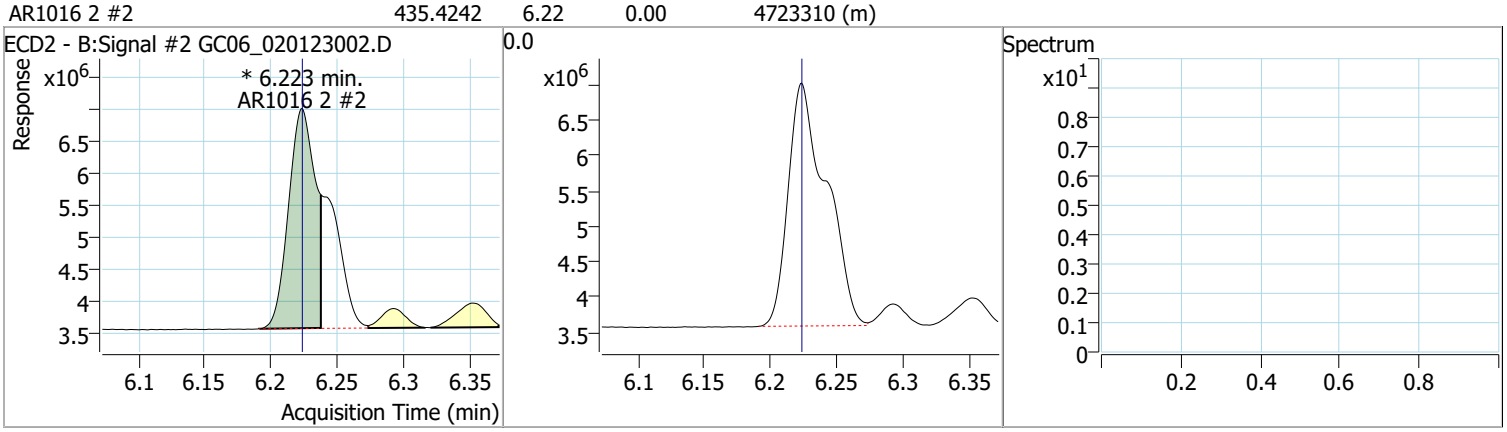
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	437.2275	6.04	0.00	1819253				



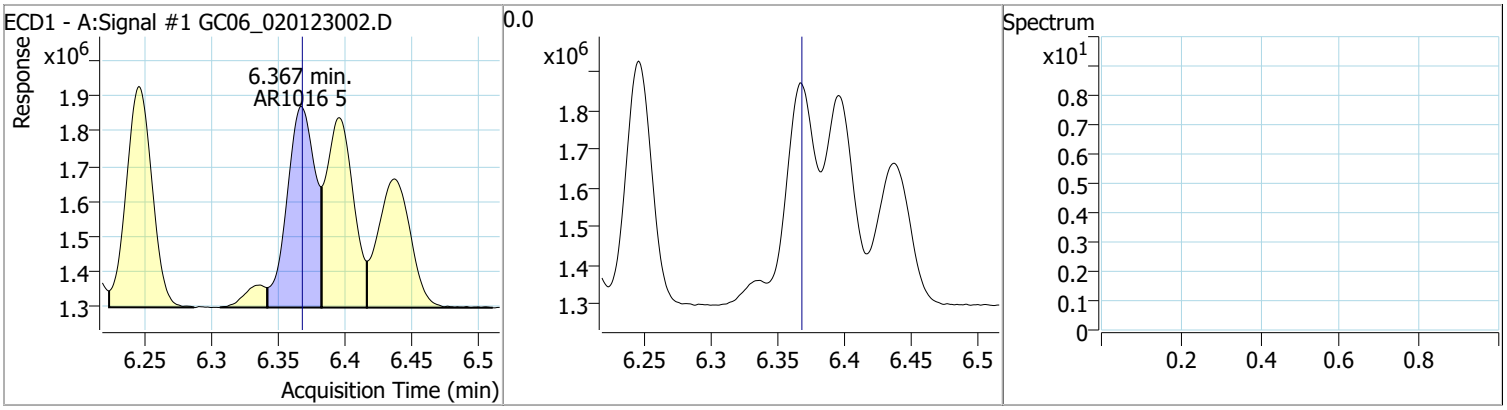
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	533.4323	6.18	0.00	1415755				



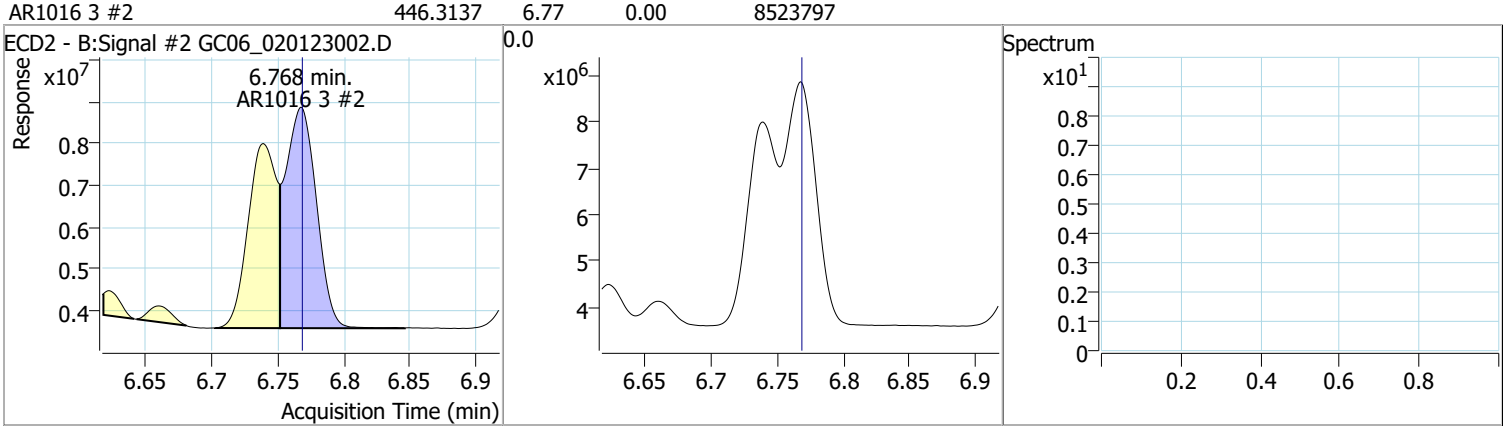
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	435.4242	6.22	0.00	4723310 (m)				



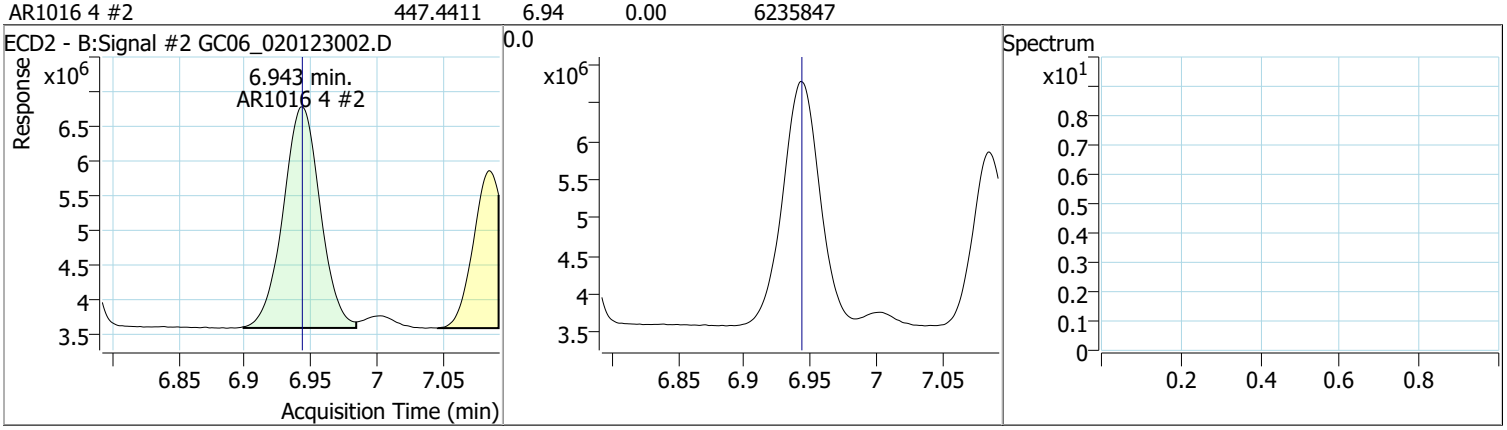
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	486.3334	6.37	0.00	847469				



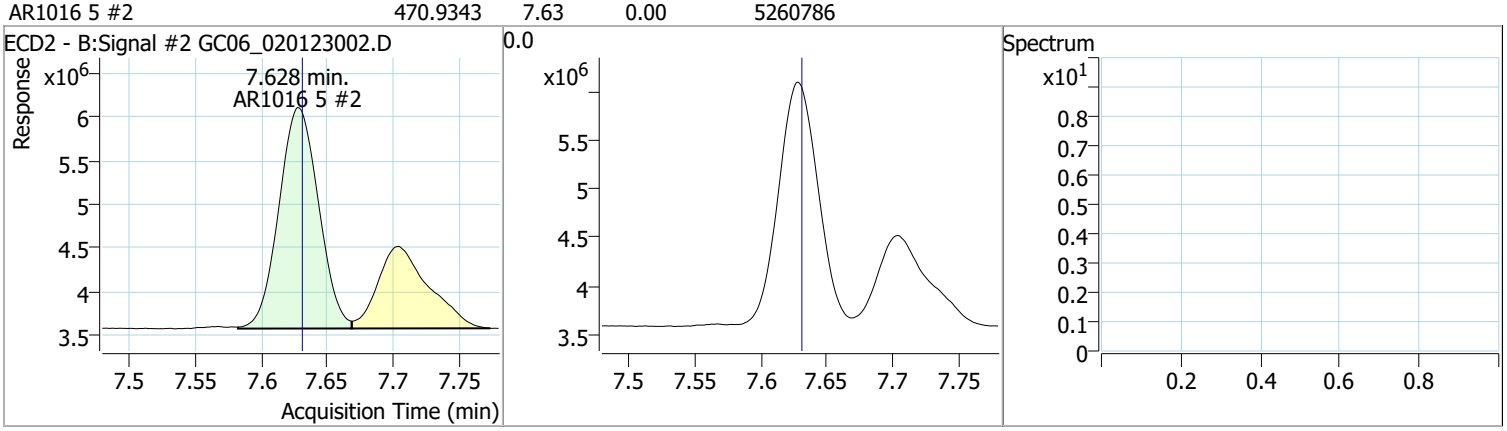
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	446.3137	6.77	0.00	8523797				



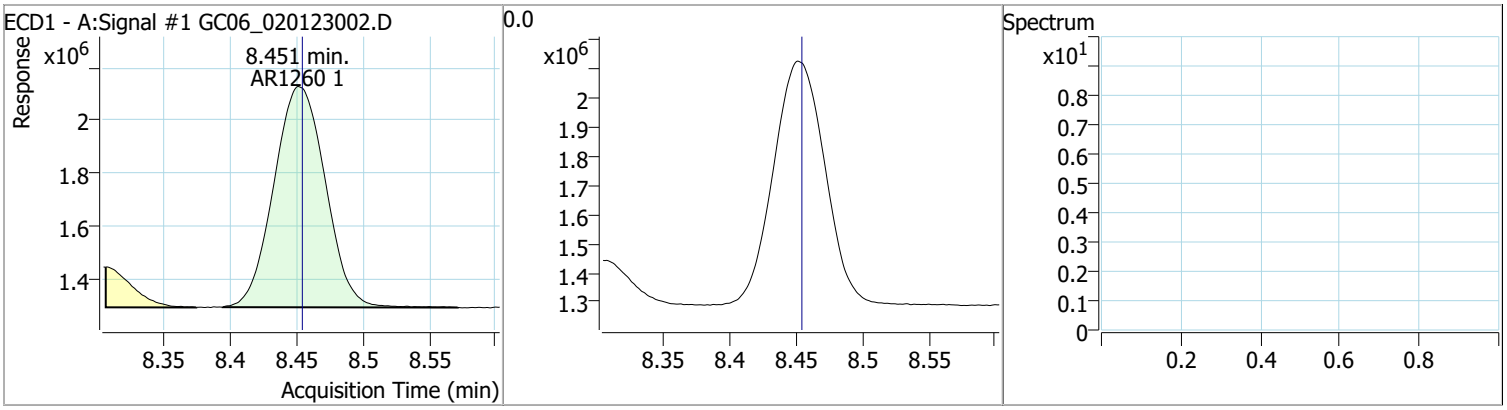
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	447.4411	6.94	0.00	6235847				



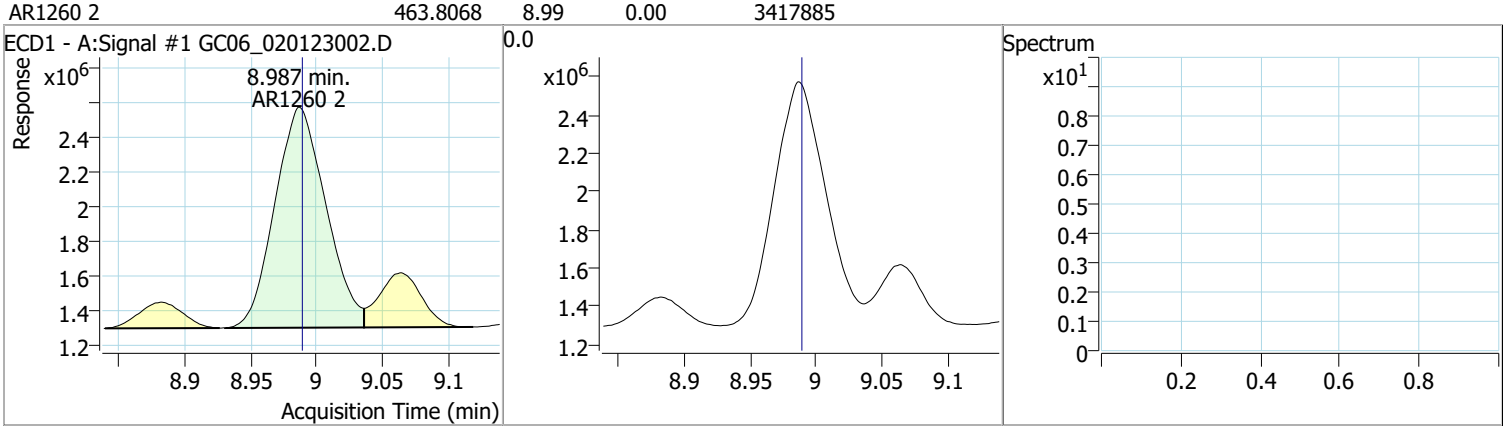
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	470.9343	7.63	0.00	5260786				



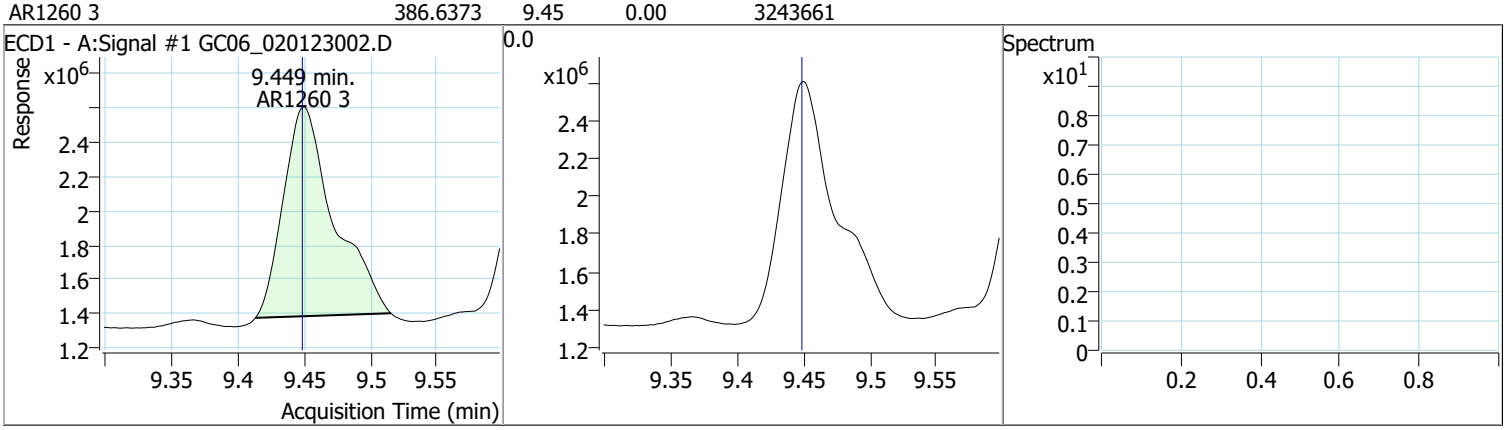
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	421.6437	8.45	0.00	2275879				



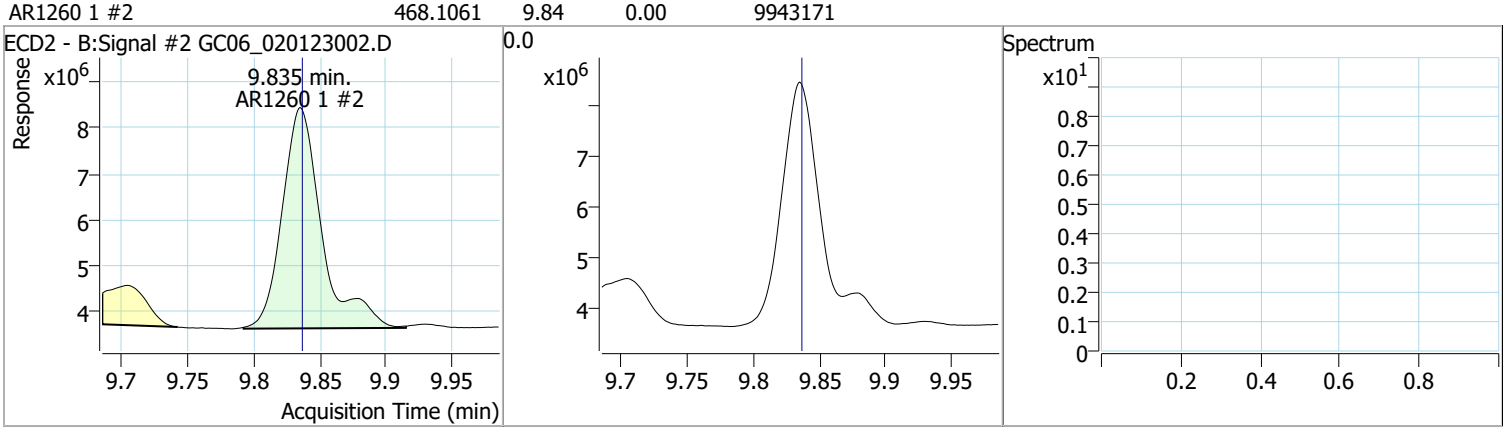
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	463.8068	8.99	0.00	3417885				



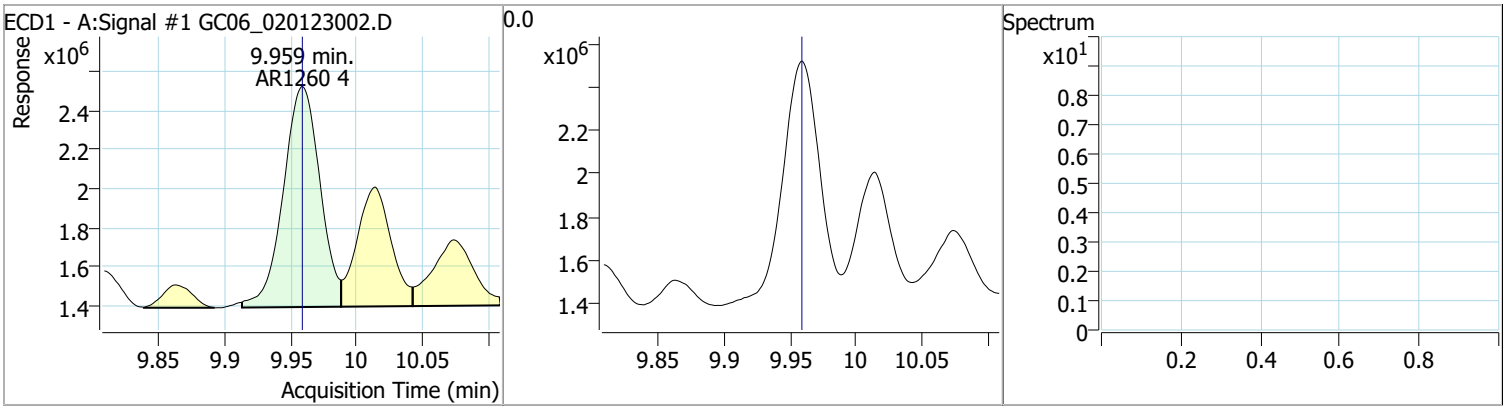
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	386.6373	9.45	0.00	3243661				



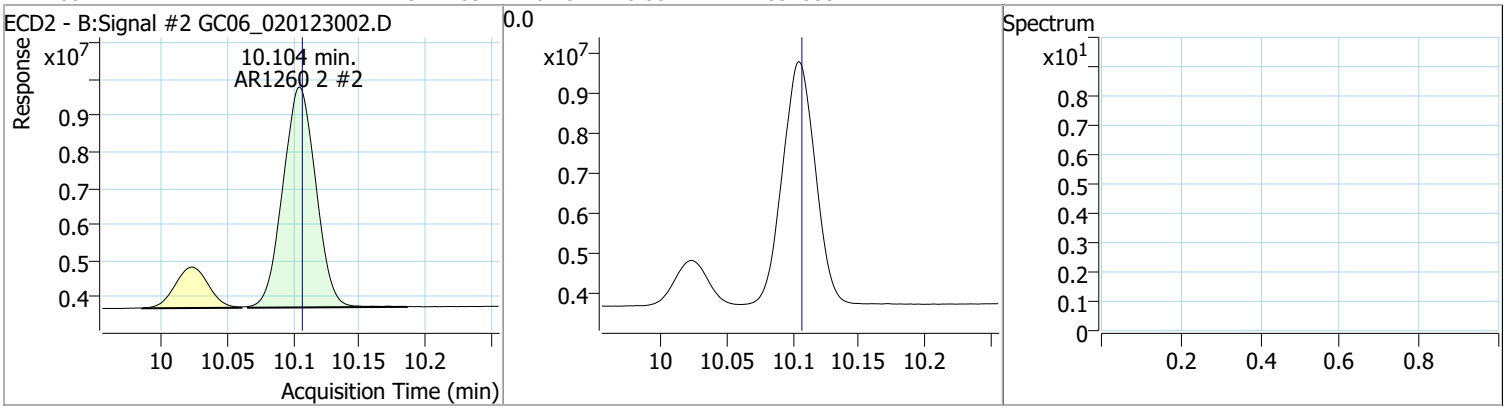
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	468.1061	9.84	0.00	9943171				



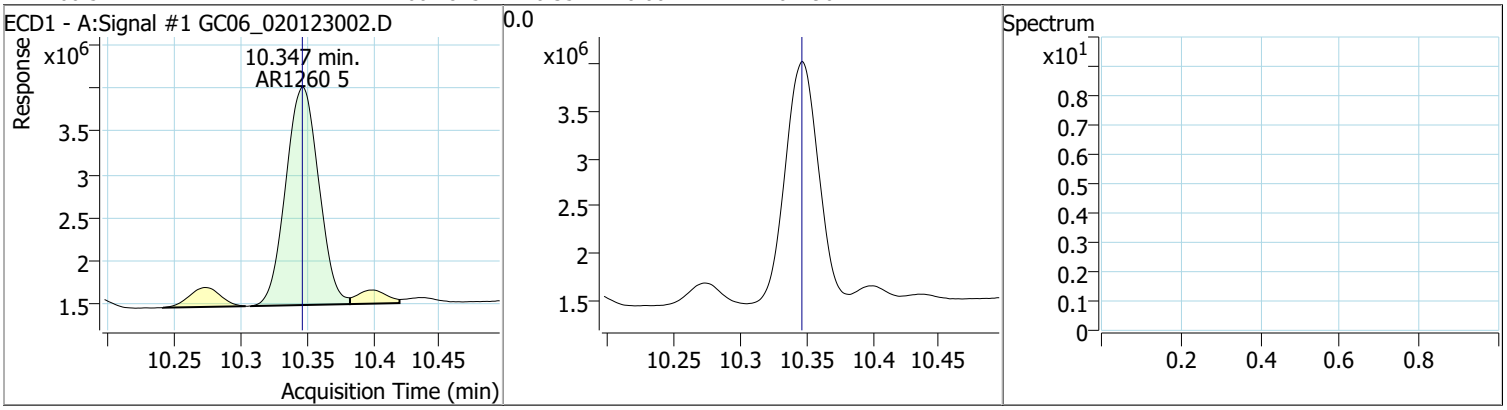
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	494.4932	9.96	0.00	2184176				



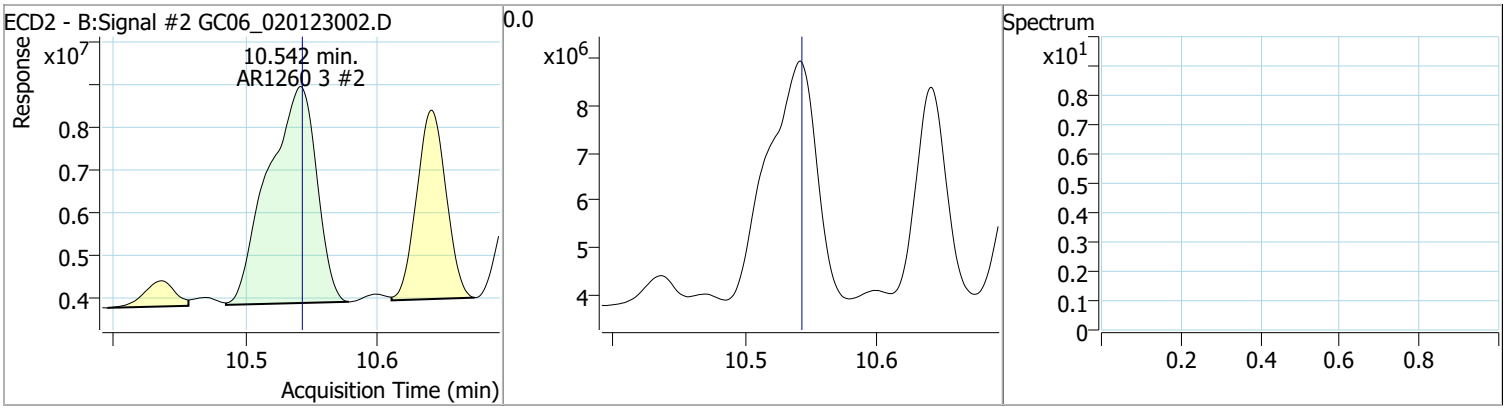
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	482.1103	10.10	0.00	10576881				



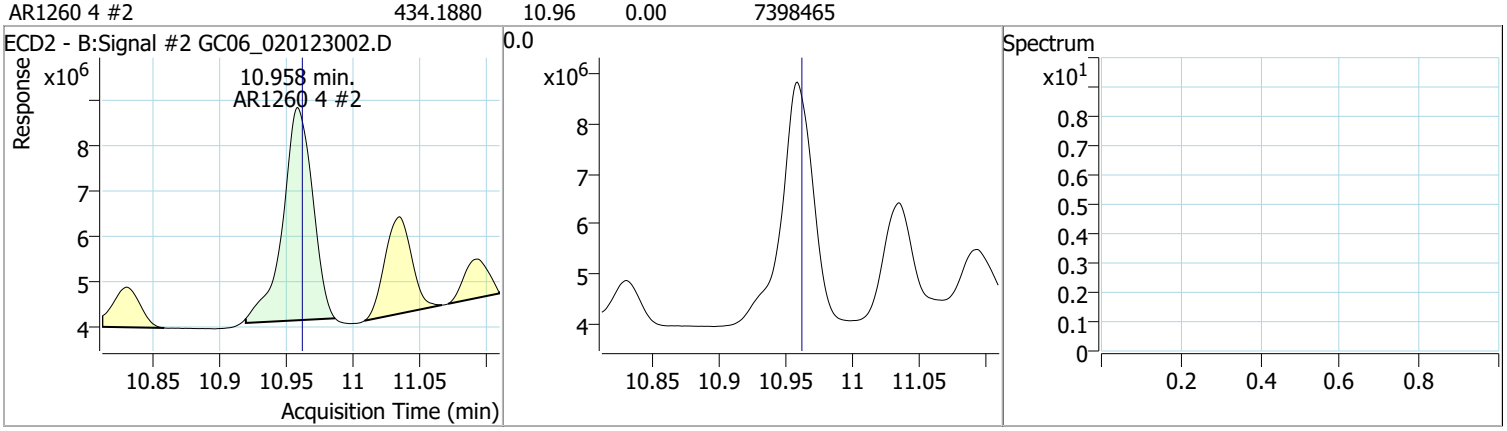
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	460.1815	10.35	0.00	4404790				



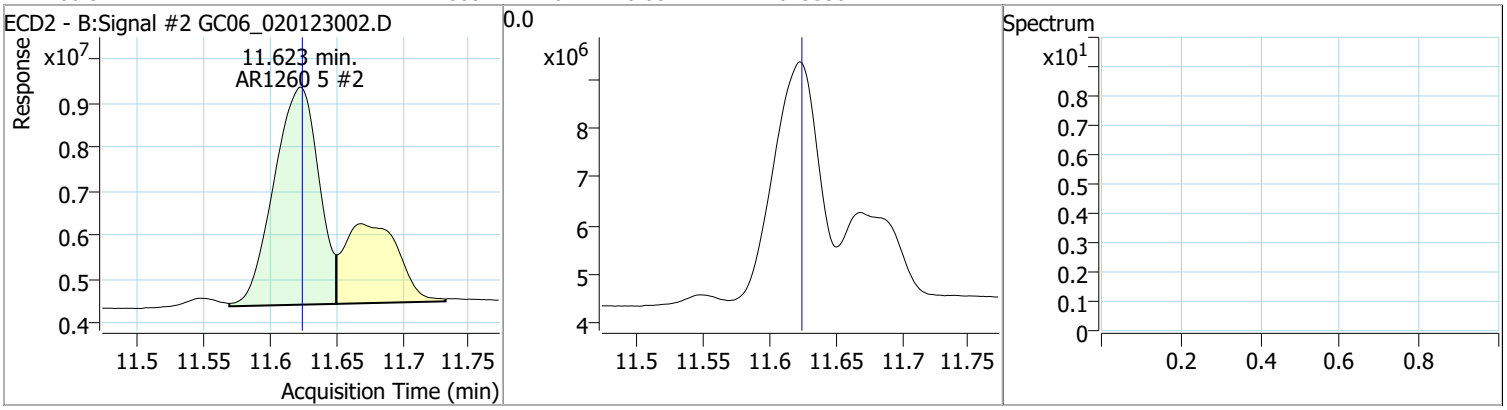
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	416.0707	10.54	0.00	12896691				



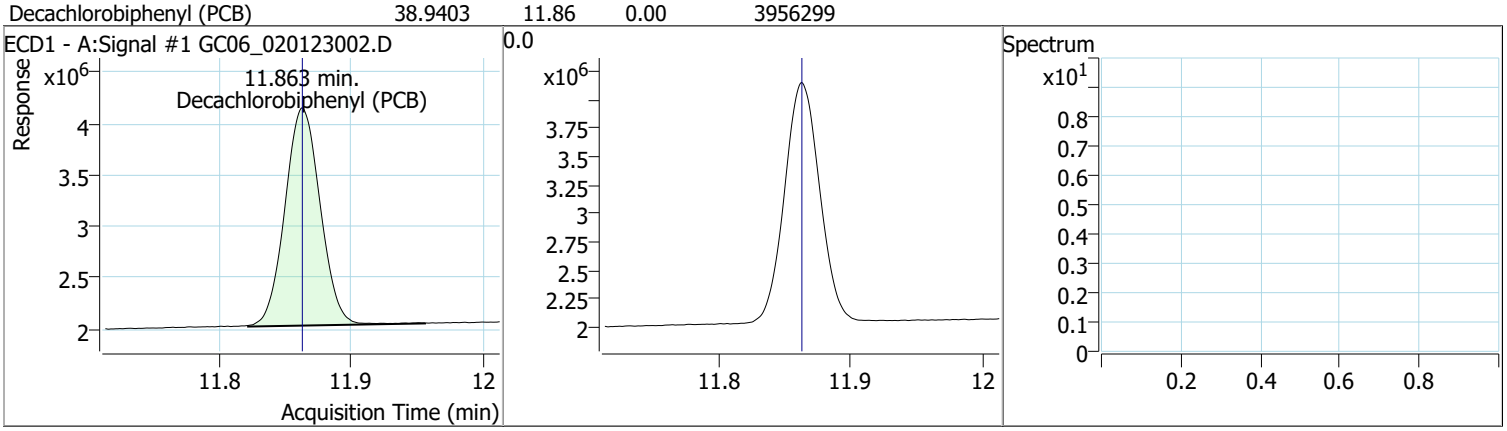
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	434.1880	10.96	0.00	7398465				



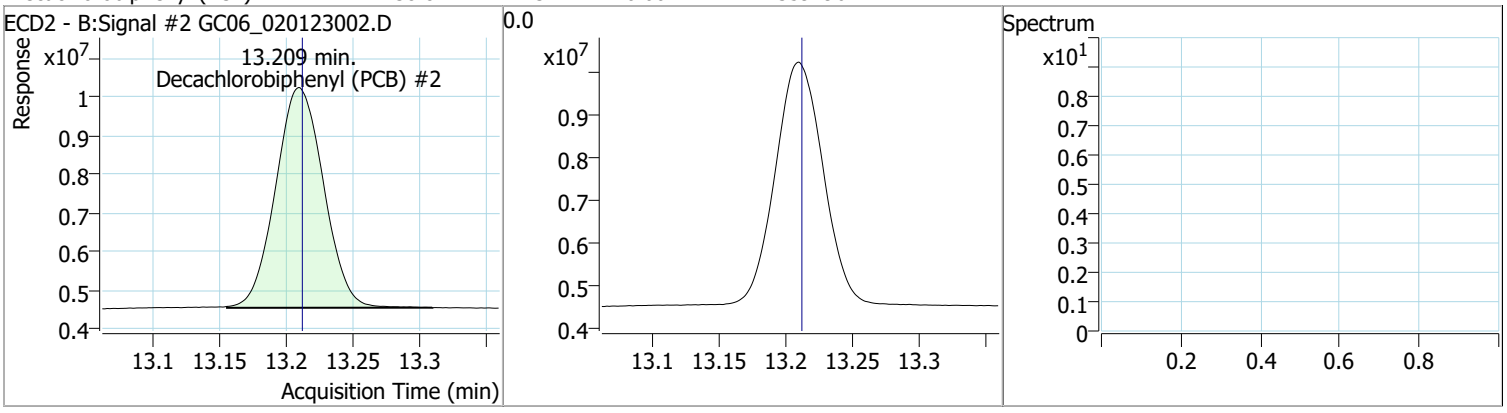
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	414.7885	11.62	0.00	11643530				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.9403	11.86	0.00	3956299				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.8442	13.21	0.00	14359196				



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

enthalpy.com

Lab Job Number: 478371
Report Level: IV
Report Date: 02/06/2023

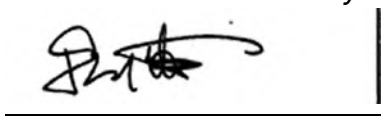
Metals

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478371
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-WF	478371-002	01/26/23 14:25	Wipe
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP-WF	478371-003	01/26/23 14:25	Wipe
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-WF	478371-005	01/26/23 14:10	Wipe
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP-WF	478371-006	01/26/23 14:10	Wipe
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L-LA	478371-009	01/26/23 15:25	Wipe
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-L-LA	478371-012	01/26/23 14:50	Wipe
AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-L-WF	478371-014	01/26/23 15:10	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478371 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/27/23

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 01/30/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

Chain of Custody

478371

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B							HOLD
1	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P- WF	1/26/2023	1425	WP	1	--	X								
2	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L- WF	1/26/2023	1425	WP	1	--		X							
3	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP- WF	1/26/2023	1425	WP	1	--		X							
4	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P- WF	1/26/2023	1410	WP	1	--	X								
5	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L- WF	1/26/2023	1410	WP	1	--		X							
6	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP- WF	1/26/2023	1410	WP	1	--		X							
7	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P- LA	1/26/2023	1525	WP	1	--	X								
8	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP- LA	1/26/2023	1525	WP	1	--	X								
9	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L- LA	1/26/2023	1525	WP	1	--		X							
10	AFRAME-C3W-LAT-L3-DN-C3W-DG-230126-P- LA	1/26/2023	1450	WP	1	--	X								
11	AFRAME-C3W-LAT-L3-DN-C3W-DG-230126-P-DUP- LA	1/26/2023	1450	WP	1	--	X								
12	AFRAME-C3W-LAT-L3-DN-C3W-DG-230126-L- LA	1/26/2023	1450	WP	1	--		X							
13	~~AFRAME-C4W-MED-L2-HS-1-230126-P-~~	~~1/26/2023~~		WP	1		X								TS
14	AFRAME-C4W-MED-L2-HS-1-230126-L-	1/26/2023		WP	1			X							TS
15	AFRAME-C3W-MED-L3-EXT-0 TO 1-230126-P- WF	1/26/2023	1510	WP	1	--	X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	1/26/23 / 1645 TS
1 Received By:		Michaella Kim	Rincon / Env Scientist	1/27/23 @ 1351
2 Relinquished By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1/27/23 @ 13:57
2 Received By:	Audrey Hudson	"	"	1/27/23 @ 16:50
3 Relinquished By:		Mycenah Uy	E.A.	1/27/23 16:50
3 Received By:	Gecna Sylvester	Gecna Sylvester	E.A.	1/28/23 11:14

478371

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C3W-MED-L3-EXT-0 TO 1-230126-L-WF	1/26/2023	1510	WP	1	--		X		
17	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230126-P-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~	X			~~TS~~
18	~~AFRAME-C3W-LAT-L3-EXT-0 TO 1-230126-L-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~		X		~~TS~~
19	~~AFRAME-C3W-MED-L2-UP-C3.7-DG-230126-P-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~	X			~~TS~~
20	~~AFRAME-C3W-MED-L2-UP-C3.7-DG-230126-L-~~	~~1/26/2023~~		~~WP~~	~~1~~	~~--~~		X		~~TS~~
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Simnott	~~Rincon / Env. Scientist~~	~~1/26/23 16:45~~ TS
1 Received By:		Michaela King	Rincon/Env Scientist	1/27/23 @ 1351
2 Relinquished By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1/27/23 @ 13:51
2 Received By:	Audrey Hudson	"	"	1/27/23 @ 16:50
3 Relinquished By:		Maxemilly Ling	RA	1/27/23 16:50
3 Received By:		Celina Sylva	EA	1/28/23 11:14

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

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478371 Client: Rincon

Date Received: 1.27.23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 1.27.23 How many 2 ☑ Signature, ☐ Initials, ☐ None

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

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

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

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

If in cooler: Date Opened 1.27.23 By (print) JJP (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.3, #2: 7.2, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 1.27.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 1.27.22 **By (print)** JJP **(sign)** _____

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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

ENTHALPY ANALYTICAL

478371

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NCTRA

Date Received: 1/28/23

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? ~~1~~ 2 EAS. 1/28/23 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: 2.9 #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: 2.8 #2: 2.2 #3: _____ #4: _____

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

ar 1/28/23

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: Jessica Sylvester Date: 1/28/23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Tracking #: 558701542

SDS

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

ORANGE

COD: $0.00
Weight: 0 lb(s)
Reference:

S10003H

Delivery Instructions:

Signature Type: STANDARD

79867300

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 1 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

4.2/2.8

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701543

SDS

ORANGE

S10003H

79867301

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 2 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

Cooler #7 custody Seal on cooler Intact

2.9/2.2

1/20/23 @ 1114

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 478371 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-WF **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B
Lab ID: 478371-002 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-002 Analyte	Result	RL	Units	Qual
Lead	**160**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP-WF **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B
Lab ID: 478371-003 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-003 Analyte	Result	RL	Units	Qual
Lead	**180**	0.25	ug/ft2	b

Field ID: AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-WF **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B
Lab ID: 478371-005 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-005 Analyte	Result	RL	Units	Qual
Lead	**160**	0.25	ug/ft2	b

Field ID: AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP-WF **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B
Lab ID: 478371-006 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-006 Analyte	Result	RL	Units	Qual
Lead	**150**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L-LA **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B
Lab ID: 478371-009 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-009 Analyte	Result	RL	Units	Qual
Lead	**260**	0.25	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478371 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-L-LA **Batch#:** 306445 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B

Lab ID: 478371-012 **Received:** 01/27/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 01/30/23

Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-012 Analyte	Result	RL	Units	Qual
Lead	**400**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-L-WF **Batch#:** 306445 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 01/26/23 **Analysis:** EPA 6010B

Lab ID: 478371-014 **Received:** 01/27/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 01/30/23

Diln Fac: 1.000 **Analyzed:** 01/30/23

478371-014 Analyte	Result	RL	Units	Qual
Lead	**220**	0.25	ug/ft2	b

Type: BLANK **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042048 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

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

QC1042048 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 478371 **Project#:** 20-10491

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

Type: BS **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042049 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1042049 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	52.93	106	80-120	ug/ft2	b

Type: BSD **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042050 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1042050 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	51.48	103	80-120	ug/ft2	3	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

REPORTING SUMMARY FOR 478371 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
478371-002	MET06	01/30/23 20:05	1.0	+	
478371-003	MET06	01/30/23 20:08	1.0	+	
478371-005	MET06	01/30/23 20:12	1.0	+	
478371-006	MET06	01/30/23 20:15	1.0	+	
478371-009	MET06	01/30/23 20:25	1.0	+	
478371-012	MET06	01/30/23 20:28	1.0	+	
478371-014	MET06	01/30/23 20:31	1.0	+	
QC1042048	MET06	01/30/23 19:20	1.0	+	
QC1042049	MET06	01/30/23 19:23	1.0	+	
QC1042050	MET06	01/30/23 19:26	1.0	+	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			01/30/23 13:12	1.0	1	
002	met06_master011	ICALBLK	CALBLANK			01/30/23 13:20	1.0	1	
003	met06_master011	ICAL	L1			01/30/23 13:23	1.0	2 1	
004	met06_master011	ICAL	L2			01/30/23 13:26	1.0	3 1	
005	met06_master011	ICAL	L3			01/30/23 13:29	1.0	4 1	
006	met06_master011	ICAL	L4			01/30/23 13:33	1.0	5 1	
007	met06_master011	ICAL	L5			01/30/23 13:36	1.0	6 1	
008	met06_master011	ICAL	L6			01/30/23 13:39	1.0	7 1	
009	met06_master011	ICAL	L7			01/30/23 13:43	1.0	8 1	
010	met06_master011	ICAL	L8			01/30/23 13:46	1.0	9 1	
011	met06_master011	ICV				01/30/23 13:49	1.0	10 1	
012	met06_master011	CRI				01/30/23 13:53	1.0	11 1	
013	met06_master011	ICB				01/30/23 13:56	1.0	1	
014	met06_master011	ICSA				01/30/23 13:59	1.0	12 1	6:MGASMGCO3=1400
015	met06_master011	ICSAB				01/30/23 14:02	1.0	13 1	6:MGASMGCO3=1400
016	met06_master011	SAMPLE	477963-001	Soil	306052	01/30/23 14:07	20.0	1	
017	met06_master011	SAMPLE	477965-001	Soil	306052	01/30/23 14:11	20.0	1	
018	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:14	20.0	1	3:AL=68
019	met06_master011	XSAMPLE	477965-003	Soil	306052	01/30/23 14:17	20.0	1	
020	met06_master011	XBLANK	QC1040706	Drinking Water	305982	01/30/23 14:21	1.0	1	3:MGASMGCO3=680
021	met06_master011	XLCS	QC1040707	Drinking Water	305982	01/30/23 14:24	1.0	1	1:MGASMGCO3=1400
022	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 14:27	1.0	1	
023	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 14:30	1.0	1	
024	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 14:34	1.0	1	
025	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 14:37	1.0	1	3:MGASMGCO3=1400
026	met06_master011	XCCV				01/30/23 14:40	1.0	10 1	2:MGASMGCO3=1100

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:49	100.0	1	
028	met06_master011	SAMPLE	477965-003	Soil	306052	01/30/23 14:53	20.0	1	1:FE=41
029	met06_master011	CCV				01/30/23 14:56	1.0	10 1	
030	met06_master011	CCB				01/30/23 14:59	1.0	1	
031	met06_master011	BLANK	QC1040706	Drinking Water	305982	01/30/23 15:02	1.0	1	
032	met06_master011	LCS	QC1040707	Drinking Water	305982	01/30/23 15:06	1.0	1	
033	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 15:09	1.0	1	
034	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 15:12	1.0	1	
035	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 15:15	1.0	1	1:TI=12
036	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 15:20	1.0	1	2:MGASMGCO3=1700
037	met06_master011	XMS	QC1040708	Drinking Water	305982	01/30/23 15:23	1.0	1	3:MGASMGCO3=830
038	met06_master011	XMSD	QC1040709	Drinking Water	305982	01/30/23 15:26	1.0	1	2:MGASMGCO3=1600
039	met06_master011	XSAMPLE	477089-001	Water	305245	01/30/23 15:29	1.0	1	1:TI=12
040	met06_master011	XCCV				01/30/23 15:33	1.0	10 1	3:MGASMGCO3=960
041	met06_master011	SAMPLE	477538-001	Drinking Water	305982	01/30/23 15:38	1.0	1	
042	met06_master011	SAMPLE	477538-002	Drinking Water	305982	01/30/23 15:41	1.0	1	
043	met06_master011	SAMPLE	477538-003	Drinking Water	305982	01/30/23 15:45	1.0	1	
044	met06_master011	MSS	477943-001	Drinking Water	305982	01/30/23 15:48	1.0	1	
045	met06_master011	MS	QC1040708	Drinking Water	305982	01/30/23 15:51	1.0	1	
046	met06_master011	MSD	QC1040709	Drinking Water	305982	01/30/23 15:55	1.0	1	
047	met06_master011	SAMPLE	477089-001	Water	305245	01/30/23 15:58	1.0	1	
048	met06_master011	CCV				01/30/23 16:01	1.0	10 1	
049	met06_master011	CCB				01/30/23 16:04	1.0	1	
050	met06_master011	BLANK	QC1041981	Water	306425	01/30/23 16:08	1.0	1	
051	met06_master011	LCS	QC1041982	Water	306425	01/30/23 16:11	1.0	1	
052	met06_master011	MSS	478317-009	Water	306425	01/30/23 16:14	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	MS	QC1041983	Water	306425	01/30/23 16:17	1.0	1	
054	met06_master011	MSD	QC1041984	Water	306425	01/30/23 16:21	1.0	1	
055	met06_master011	CCV				01/30/23 16:24	1.0	10 1	
056	met06_master011	CCB				01/30/23 16:27	1.0	1	
057	met06_master011	BLANK	QC1041229	Water	306192	01/30/23 16:30	1.0	1	
058	met06_master011	LCS	QC1041230	Water	306192	01/30/23 16:34	1.0	1	
059	met06_master011	SAMPLE	478161-001	Water	306192	01/30/23 16:37	1.0	1	2:NA=1400
060	met06_master011	SAMPLE	478330-001	Water	306425	01/30/23 16:41	1.0	1	
061	met06_master011	MSS	478161-002	Water	306192	01/30/23 16:44	1.0	1	
062	met06_master011	MS	QC1041231	Water	306192	01/30/23 16:48	1.0	1	
063	met06_master011	MSD	QC1041232	Water	306192	01/30/23 16:51	1.0	1	
064	met06_master011	SAMPLE	478161-003	Water	306192	01/30/23 16:54	1.0	1	
065	met06_master011	CCV				01/30/23 16:57	1.0	10 1	
066	met06_master011	CCB				01/30/23 17:01	1.0	1	
067	met06_master011	LCS	QC1041326	Soil	306211	01/30/23 17:05	1.0	1	
068	met06_master011	MSS	478142-001	Miscell.	306211	01/30/23 17:09	1.0	1	5:FEASFE2O3=250
069	met06_master011	MS	QC1041327	Miscell.	306211	01/30/23 17:12	1.0	1	5:FEASFE2O3=240
070	met06_master011	MSD	QC1041328	Miscell.	306211	01/30/23 17:15	1.0	1	5:FEASFE2O3=260
071	met06_master011	PDS	QC1041329	Miscell.	306211	01/30/23 17:18	1.0	1	5:FEASFE2O3=250
072	met06_master011	SAMPLE	478202-001	Miscell.	306211	01/30/23 17:29	10.0	1	2:FE=410
073	met06_master011	SAMPLE	478202-002	Miscell.	306211	01/30/23 17:33	10.0	1	1:FE=190
074	met06_master011	XCCV				01/30/23 17:36	1.0	10 1	
075	met06_master011	CCV				01/30/23 17:41	1.0	10 1	
076	met06_master011	CCB				01/30/23 17:45	1.0	1	
077	met06_master011	LCS	QC1040220	Filtrate	305816	01/30/23 17:48	1.0	1	
078	met06_master011	SAMPLE	476977-002	Filtrate	305816	01/30/23 17:52	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	476977-003	Filtrate	305816	01/30/23 17:55	1.0	1	
080	met06_master011	SAMPLE	476977-004	Filtrate	305816	01/30/23 17:58	1.0	1	
081	met06_master011	LCS	QC1041418	Water	306246	01/30/23 18:01	1.0	1	
082	met06_master011	SAMPLE	477696-003	Water	306246	01/30/23 18:05	1.0	1	
083	met06_master011	SAMPLE	478108-001	Drinking Water	306246	01/30/23 18:08	1.0	1	
084	met06_master011	MSS	478193-001	Water	306246	01/30/23 18:11	1.0	1	
085	met06_master011	MS	QC1041419	Water	306246	01/30/23 18:14	1.0	1	
086	met06_master011	MSD	QC1041420	Water	306246	01/30/23 18:18	1.0	1	
087	met06_master011	CCV				01/30/23 18:21	1.0	10 1	
088	met06_master011	CCB				01/30/23 18:24	1.0	1	
089	met06_master011	BLANK	QC1041807	Water	306373	01/30/23 18:27	1.0	1	
090	met06_master011	LCS	QC1041808	Water	306373	01/30/23 18:31	1.0	1	
091	met06_master011	MSS	477789-001	Water	306373	01/30/23 18:34	1.0	1	
092	met06_master011	MS	QC1041809	Water	306373	01/30/23 18:37	1.0	1	
093	met06_master011	MSD	QC1041810	Water	306373	01/30/23 18:40	1.0	1	
094	met06_master011	SAMPLE	477789-002	Water	306373	01/30/23 18:44	1.0	1	
095	met06_master011	SAMPLE	477789-003	Water	306373	01/30/23 18:47	1.0	1	
096	met06_master011	BLANK	QC1041776	Soil	306366	01/30/23 18:50	1.0	1	
097	met06_master011	LCS	QC1041777	Soil	306366	01/30/23 18:53	1.0	1	
098	met06_master011	MSS	478043-001	Soil	306366	01/30/23 18:57	1.0	1	7:ALASAL2O3=380
099	met06_master011	CCV				01/30/23 19:00	1.0	10 1	
100	met06_master011	CCB				01/30/23 19:03	1.0	1	
101	met06_master011	MS	QC1041778	Soil	306366	01/30/23 19:06	1.0	1	7:FEASFE2O3=350
102	met06_master011	MSD	QC1041779	Soil	306366	01/30/23 19:10	1.0	1	6:FEASFE2O3=370
103	met06_master011	PDS	QC1041780	Soil	306366	01/30/23 19:13	1.0	1	7:ALASAL2O3=370
104	met06_master011	SAMPLE	478302-001	Soil	306366	01/30/23 19:16	1.0	1	3:FE=220

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	BLANK	QC1042048	Wipe	306445	01/30/23 19:20	1.0	1	
106	met06_master011	BS	QC1042049	Wipe	306445	01/30/23 19:23	1.0	1	
107	met06_master011	BSD	QC1042050	Wipe	306445	01/30/23 19:26	1.0	1	
108	met06_master011	SAMPLE	478361-002	Wipe	306445	01/30/23 19:29	1.0	1	1:FE=66
109	met06_master011	SAMPLE	478361-004	Wipe	306445	01/30/23 19:33	1.0	1	1:FE=75
110	met06_master011	SAMPLE	478361-005	Wipe	306445	01/30/23 19:36	1.0	1	1:FE=84
111	met06_master011	CCV				01/30/23 19:39	1.0	10 1	
112	met06_master011	CCB				01/30/23 19:42	1.0	1	
113	met06_master011	SAMPLE	478362-002	Wipe	306445	01/30/23 19:46	1.0	1	1:FE=100
114	met06_master011	SAMPLE	478362-004	Wipe	306445	01/30/23 19:49	1.0	1	1:FE=120
115	met06_master011	SAMPLE	478362-006	Wipe	306445	01/30/23 19:52	1.0	1	1:FE=86
116	met06_master011	SAMPLE	478362-008	Wipe	306445	01/30/23 19:55	1.0	1	1:FE=83
117	met06_master011	SAMPLE	478362-010	Wipe	306445	01/30/23 19:59	1.0	1	1:FE=120
118	met06_master011	SAMPLE	478368-002	Wipe	306445	01/30/23 20:02	1.0	1	
119	met06_master011	SAMPLE	478371-002	Wipe	306445	01/30/23 20:05	1.0	1	1:FE=100
120	met06_master011	SAMPLE	478371-003	Wipe	306445	01/30/23 20:08	1.0	1	1:FE=86
121	met06_master011	SAMPLE	478371-005	Wipe	306445	01/30/23 20:12	1.0	1	1:FE=84
122	met06_master011	SAMPLE	478371-006	Wipe	306445	01/30/23 20:15	1.0	1	1:FE=76
123	met06_master011	CCV				01/30/23 20:18	1.0	10 1	
124	met06_master011	CCB				01/30/23 20:21	1.0	1	
125	met06_master011	SAMPLE	478371-009	Wipe	306445	01/30/23 20:25	1.0	1	1:FE=88
126	met06_master011	SAMPLE	478371-012	Wipe	306445	01/30/23 20:28	1.0	1	2:ZN=230
127	met06_master011	SAMPLE	478371-014	Wipe	306445	01/30/23 20:31	1.0	1	1:FE=59
128	met06_master011	SAMPLE	478373-002	Wipe	306445	01/30/23 20:34	1.0	1	1:FE=93
129	met06_master011	SAMPLE	478373-004	Wipe	306445	01/30/23 20:38	1.0	1	1:FE=90
130	met06_master011	SAMPLE	478373-007	Wipe	306445	01/30/23 20:41	1.0	1	1:FE=91

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master011	SAMPLE	478373-009	Wipe	306445	01/30/23 20:44	1.0	1	1:FE=92
132	met06_master011	BLANK	QC1041457	Soil	306257	01/30/23 20:48	1.0	1	
133	met06_master011	LCS	QC1041458	Soil	306257	01/30/23 20:51	1.0	1	
134	met06_master011	SAMPLE	478036-009	Soil	306257	01/30/23 20:54	1.0	1	2:FE=220
135	met06_master011	CCV				01/30/23 20:57	1.0	10 1	
136	met06_master011	CCB				01/30/23 21:01	1.0	1	
137	met06_master011	SAMPLE	478036-010	Soil	306257	01/30/23 21:04	1.0	1	2:FE=230
138	met06_master011	SAMPLE	478036-011	Soil	306257	01/30/23 21:07	1.0	1	2:FE=240
139	met06_master011	SAMPLE	478036-012	Soil	306257	01/30/23 21:10	1.0	1	2:FE=100
140	met06_master011	SAMPLE	478169-001	Soil	306257	01/30/23 21:13	1.0	1	2:FE=140
141	met06_master011	SAMPLE	478169-002	Soil	306257	01/30/23 21:17	1.0	1	2:FE=210
142	met06_master011	MSS	478211-001	Soil	306257	01/30/23 21:20	1.0	1	4:ALASAL2O3=250
143	met06_master011	MS	QC1041459	Soil	306257	01/30/23 21:23	1.0	1	4:ALASAL2O3=470
144	met06_master011	MSD	QC1041460	Soil	306257	01/30/23 21:26	1.0	1	4:ALASAL2O3=430
145	met06_master011	PDS	QC1041461	Soil	306257	01/30/23 21:30	1.0	1	4:ALASAL2O3=250
146	met06_master011	SAMPLE	478211-002	Soil	306257	01/30/23 21:33	1.0	1	2:AL=55
147	met06_master011	CCV				01/30/23 21:36	1.0	10 1	
148	met06_master011	CCB				01/30/23 21:39	1.0	1	
149	met06_master011	CCV				01/30/23 21:56	1.0	10 1	
150	met06_master011	CCB				01/30/23 22:00	1.0	1	
151	met06_master011	BLANK	QC1042029	Wipe	306440	01/30/23 22:03	1.0	1	
152	met06_master011	BS	QC1042030	Wipe	306440	01/30/23 22:06	1.0	1	
153	met06_master011	BSD	QC1042031	Wipe	306440	01/30/23 22:09	1.0	1	
154	met06_master011	SAMPLE	478373-011	Wipe	306440	01/30/23 22:13	1.0	1	1:FE=60
155	met06_master011	SAMPLE	478373-012	Wipe	306440	01/30/23 22:16	1.0	1	1:FE=90
156	met06_master011	SAMPLE	478373-014	Wipe	306440	01/30/23 22:19	1.0	1	1:FE=70

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	SAMPLE	478373-016	Wipe	306440	01/30/23 22:22	1.0	1	1:FE=92
158	met06_master011	SAMPLE	478373-018	Wipe	306440	01/30/23 22:26	1.0	1	1:FE=130
159	met06_master011	SAMPLE	478373-020	Wipe	306440	01/30/23 22:29	1.0	1	1:FE=75
160	met06_master011	SAMPLE	478373-022	Wipe	306440	01/30/23 22:32	1.0	1	1:FE=54
161	met06_master011	CCV				01/30/23 22:36	1.0	10 1	
162	met06_master011	CCB				01/30/23 22:39	1.0	1	
163	met06_master011	SAMPLE	478373-024	Wipe	306440	01/30/23 22:42	1.0	1	1:FE=31
164	met06_master011	SAMPLE	478373-026	Wipe	306440	01/30/23 22:45	1.0	1	1:FE=83
165	met06_master011	SAMPLE	478373-028	Wipe	306440	01/30/23 22:49	1.0	1	1:FE=62
166	met06_master011	SAMPLE	478373-030	Wipe	306440	01/30/23 22:52	1.0	1	2:FE=140
167	met06_master011	SAMPLE	478373-032	Wipe	306440	01/30/23 22:55	1.0	1	1:FE=110
168	met06_master011	SAMPLE	478373-034	Wipe	306440	01/30/23 22:58	1.0	1	2:FE=91
169	met06_master011	SAMPLE	478373-037	Wipe	306440	01/30/23 23:02	1.0	1	2:FE=130
170	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:05	1.0	1	
171	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:08	1.0	1	
172	met06_master011	SAMPLE	478373-039	Wipe	306440	01/30/23 23:11	1.0	1	2:FE=130
173	met06_master011	CCV				01/30/23 23:15	1.0	10 1	
174	met06_master011	CCB				01/30/23 23:18	1.0	1	
175	met06_master011	SAMPLE	478373-041	Wipe	306440	01/30/23 23:21	1.0	1	2:FE=110
176	met06_master011	SAMPLE	478373-043	Wipe	306440	01/30/23 23:24	1.0	1	2:FE=92
177	met06_master011	SAMPLE	478373-045	Wipe	306440	01/30/23 23:28	1.0	1	2:FE=89
178	met06_master011	SAMPLE	478373-047	Wipe	306440	01/30/23 23:31	1.0	1	2:FE=130
179	met06_master011	SAMPLE	478373-049	Wipe	306440	01/30/23 23:34	1.0	1	2:FE=85
180	met06_master011	BLANK	QC1042034	Wipe	306441	01/30/23 23:37	1.0	1	
181	met06_master011	BS	QC1042035	Wipe	306441	01/30/23 23:41	1.0	1	
182	met06_master011	BSD	QC1042036	Wipe	306441	01/30/23 23:44	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master011	SAMPLE	478373-050	Wipe	306441	01/30/23 23:47	1.0	1	2:FE=110
184	met06_master011	SAMPLE	478373-052	Wipe	306441	01/30/23 23:50	1.0	1	2:FE=120
185	met06_master011	CCV				01/30/23 23:54	1.0	10 1	
186	met06_master011	CCB				01/30/23 23:57	1.0	1	
187	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 00:00	1.0	1	2:FE=110
188	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 00:03	1.0	1	2:FE=230
189	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 00:07	1.0	1	2:FE=96
190	met06_master011	SAMPLE	478373-060	Wipe	306441	01/31/23 00:10	1.0	1	1:FE=73
191	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 00:13	1.0	1	3:FEASFE2O3=160
192	met06_master011	SAMPLE	478373-064	Wipe	306441	01/31/23 00:16	1.0	1	
193	met06_master011	BLANK	QC1042162	Miscell.	306479	01/31/23 00:20	1.0	1	
194	met06_master011	LCS	QC1042163	Miscell.	306479	01/31/23 00:23	1.0	1	
195	met06_master011	SAMPLE	478268-001	Soil	306479	01/31/23 00:26	1.0	1	3:FE=250
196	met06_master011	SAMPLE	478268-002	Soil	306479	01/31/23 00:29	1.0	1	2:AL=480
197	met06_master011	CCV				01/31/23 00:33	1.0	10 1	
198	met06_master011	CCB				01/31/23 00:36	1.0	1	
199	met06_master011	SAMPLE	478268-003	Soil	306479	01/31/23 00:39	1.0	1	2:FE=160
200	met06_master011	SAMPLE	478268-004	Soil	306479	01/31/23 00:42	1.0	1	2:FE=240
201	met06_master011	SAMPLE	478268-005	Soil	306479	01/31/23 00:46	1.0	1	3:FE=280
202	met06_master011	SAMPLE	478268-006	Soil	306479	01/31/23 00:49	1.0	1	2:FE=290
203	met06_master011	SAMPLE	478268-007	Soil	306479	01/31/23 00:52	1.0	1	2:FE=210
204	met06_master011	SAMPLE	478268-008	Soil	306479	01/31/23 00:55	1.0	1	2:FE=260
205	met06_master011	SAMPLE	478268-009	Soil	306479	01/31/23 00:59	1.0	1	2:FE=200
206	met06_master011	SAMPLE	478268-010	Soil	306479	01/31/23 01:02	1.0	1	2:FE=250
207	met06_master011	SAMPLE	478268-011	Soil	306479	01/31/23 01:05	1.0	1	4:FEASFE2O3=520
208	met06_master011	SAMPLE	478268-012	Soil	306479	01/31/23 01:09	1.0	1	4:FEASFE2O3=450

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master011	CCV				01/31/23 01:12	1.0	10 1	
210	met06_master011	CCB				01/31/23 01:15	1.0	1	
211	met06_master011	MSS	478269-001	Soil	306479	01/31/23 01:18	1.0	1	4:FEASFE2O3=180
212	met06_master011	MS	QC1042164	Soil	306479	01/31/23 01:22	1.0	1	4:ALASAL2O3=210
213	met06_master011	SAMPLE	478211-003	Soil	306257	01/31/23 01:25	1.0	1	2:FE=92
214	met06_master011	SAMPLE	478211-004	Soil	306257	01/31/23 01:28	1.0	1	2:AL=96
215	met06_master011	SAMPLE	478211-005	Soil	306257	01/31/23 01:31	1.0	1	2:AL=84
216	met06_master011	SAMPLE	478211-006	Soil	306257	01/31/23 01:35	1.0	1	2:AL=61
217	met06_master011	SAMPLE	478211-007	Soil	306257	01/31/23 01:38	1.0	1	2:FE=110
218	met06_master011	SAMPLE	478211-008	Soil	306257	01/31/23 01:41	1.0	1	2:FE=170
219	met06_master011	SAMPLE	478211-009	Soil	306257	01/31/23 01:44	1.0	1	2:AL=120
220	met06_master011	SAMPLE	478211-010	Soil	306257	01/31/23 01:48	1.0	1	2:FE=120
221	met06_master011	CCV				01/31/23 01:51	1.0	10 1	
222	met06_master011	CCB				01/31/23 01:54	1.0	1	
223	met06_master011	SAMPLE	478211-011	Soil	306257	01/31/23 01:57	1.0	1	2:FE=90
224	met06_master011	SAMPLE	478211-012	Soil	306257	01/31/23 02:00	1.0	1	3:CA=1100
225	met06_master011	SAMPLE	478214-001	Miscell.	306257	01/31/23 02:04	1.0	1	2:AL=66
226	met06_master011	SAMPLE	478263-001	Miscell.	306257	01/31/23 02:07	1.0	1	2:FE=160
227	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 02:10	1.0	1	3:FE=130
228	met06_master011	SAMPLE	478037-005	Soil	306202	01/31/23 02:13	1.0	1	2:AL=190
229	met06_master011	SAMPLE	478037-010	Soil	306202	01/31/23 02:17	1.0	1	2:AL=200
230	met06_master011	SAMPLE	478040-005	Soil	306202	01/31/23 02:20	1.0	1	2:AL=190
231	met06_master011	SAMPLE	478040-010	Soil	306202	01/31/23 02:23	1.0	1	3:AL=230
232	met06_master011	SAMPLE	478072-001	Miscell.	306202	01/31/23 02:26	1.0	1	3:FE=170
233	met06_master011	CCV				01/31/23 02:30	1.0	10 1	
234	met06_master011	CCB				01/31/23 02:33	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
235	met06_master011	SAMPLE	478072-002	Miscell.	306202	01/31/23 02:36	1.0	1	3:FE=160
236	met06_master011	SAMPLE	478072-007	Soil	306202	01/31/23 02:39	1.0	1	3:FE=230
237	met06_master011	SAMPLE	478011-002	Soil	306209	01/31/23 02:43	1.0	1	3:AL=290
238	met06_master011	SAMPLE	478011-003	Soil	306209	01/31/23 02:46	1.0	1	2:AL=230
239	met06_master011	SAMPLE	478011-004	Soil	306209	01/31/23 02:49	1.0	1	2:AL=230
240	met06_master011	SAMPLE	478011-005	Soil	306209	01/31/23 02:52	1.0	1	2:AL=290
241	met06_master011	SAMPLE	478011-006	Soil	306209	01/31/23 02:56	1.0	1	2:AL=280
242	met06_master011	SAMPLE	478034-005	Soil	306209	01/31/23 02:59	1.0	1	3:AL=180
243	met06_master011	SAMPLE	478036-001	Soil	306209	01/31/23 03:02	1.0	1	2:FE=200
244	met06_master011	SAMPLE	478036-002	Soil	306209	01/31/23 03:05	1.0	1	2:FE=240
245	met06_master011	CCV				01/31/23 03:09	1.0	10 1	
246	met06_master011	CCB				01/31/23 03:12	1.0	1	
247	met06_master011	SAMPLE	478036-003	Soil	306209	01/31/23 03:15	1.0	1	3:FE=250
248	met06_master011	SAMPLE	478036-004	Soil	306209	01/31/23 03:18	1.0	1	2:FE=240
249	met06_master011	SAMPLE	478036-005	Soil	306209	01/31/23 03:22	1.0	1	2:FE=220
250	met06_master011	SAMPLE	478036-006	Soil	306209	01/31/23 03:25	1.0	1	2:FE=230
251	met06_master011	SAMPLE	478036-007	Soil	306209	01/31/23 03:28	1.0	1	2:FE=220
252	met06_master011	SAMPLE	478036-008	Soil	306209	01/31/23 03:31	1.0	1	2:FE=250
253	met06_master011	SAMPLE	478307-001	Water	306425	01/31/23 03:35	1.0	1	1:FE=33
254	met06_master011	SAMPLE	478317-004	Water	306425	01/31/23 03:38	1.0	1	3:FE=130
255	met06_master011	SAMPLE	478317-007	Water	306425	01/31/23 03:41	1.0	1	2:FE=100
256	met06_master011	SAMPLE	478339-001	Water	306425	01/31/23 03:44	1.0	1	1:FE=41
257	met06_master011	CCV				01/31/23 03:48	1.0	10 1	
258	met06_master011	CCB				01/31/23 03:51	1.0	1	
259	met06_master011	SAMPLE	478384-001	Water	306425	01/31/23 03:54	1.0	1	3:FE=160
260	met06_master011	SAMPLE	478042-004	Soil	306211	01/31/23 03:57	1.0	1	3:FE=140

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master011	SAMPLE	478129-005	Soil	306211	01/31/23 04:01	1.0	1	3:FE=190
262	met06_master011	SAMPLE	478129-006	Soil	306211	01/31/23 04:04	1.0	1	3:FE=220
263	met06_master011	SAMPLE	478145-001	Miscell.	306211	01/31/23 04:07	1.0	1	3:FE=170
264	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 04:10	10.0	1	
265	met06_master011	BLANK	QC1042002	TCLP Leachate	306431	01/31/23 04:14	1.0	1	1:NA=950
266	met06_master011	LCS	QC1042003	TCLP Leachate	306431	01/31/23 04:17	1.0	1	1:NA=980
267	met06_master011	MSS	477799-001	TCLP Leachate	306431	01/31/23 04:20	1.0	1	3:NA=1000
268	met06_master011	MS	QC1042004	TCLP Leachate	306431	01/31/23 04:23	1.0	1	3:NA=1000
269	met06_master011	CCV				01/31/23 04:27	1.0	10 1	
270	met06_master011	CCB				01/31/23 04:30	1.0	1	
271	met06_master011	MSD	QC1042005	TCLP Leachate	306431	01/31/23 04:33	1.0	1	3:NA=1000
272	met06_master011	BLANK	QC1041581	Water	306295	01/31/23 04:36	1.0	1	
273	met06_master011	LCS	QC1041582	Water	306295	01/31/23 04:40	1.0	1	
274	met06_master011	SAMPLE	477569-001	Water	306295	01/31/23 04:43	1.0	1	4:MG=1900
275	met06_master011	SAMPLE	477569-002	Water	306295	01/31/23 04:46	1.0	1	4:MG=2700
276	met06_master011	SAMPLE	477569-003	Water	306295	01/31/23 04:49	1.0	1	4:NA=1800
277	met06_master011	SAMPLE	478172-001	Water	306295	01/31/23 04:53	1.0	1	
278	met06_master011	MSS	478242-003	Water	306295	01/31/23 04:56	1.0	1	2:NA=1400
279	met06_master011	MS	QC1041583	Water	306295	01/31/23 04:59	1.0	1	2:NA=1500
280	met06_master011	MSD	QC1041584	Water	306295	01/31/23 05:02	1.0	1	2:NA=1400
281	met06_master011	CCV				01/31/23 05:06	1.0	10 1	
282	met06_master011	CCB				01/31/23 05:09	1.0	1	
283	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 05:12	1.0	1	2:FE=93
284	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 05:15	1.0	1	2:FE=88
285	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 05:19	1.0	1	2:FE=78
286	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 05:22	1.0	1	2:AL=260

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
287	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 05:25	1.0	1	2:FE=120
288	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 05:29	1.0	1	2:FE=110
289	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 05:32	1.0	1	2:FE=86
290	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 05:35	1.0	1	2:FE=170
291	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 05:38	1.0	1	2:FE=90
292	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 05:42	1.0	1	2:FE=90
293	met06_master011	CCV				01/31/23 05:45	1.0	10 1	
294	met06_master011	CCB				01/31/23 05:48	1.0	1	
295	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 05:51	1.0	1	2:FE=86
296	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 05:55	1.0	1	2:FE=97
297	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 05:58	1.0	1	2:FE=97
298	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 06:01	1.0	1	2:FE=460
299	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 06:04	1.0	1	3:AL=270
300	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 06:08	1.0	1	2:FE=160
301	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 06:11	1.0	1	2:FE=160
302	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 06:14	1.0	1	2:FE=200
303	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 06:17	1.0	1	
304	met06_master011	LCS	QC1041429	Water	306249	01/31/23 06:21	1.0	1	
305	met06_master011	CCV				01/31/23 06:24	1.0	10 1	
306	met06_master011	CCB				01/31/23 06:27	1.0	1	
307	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 06:30	1.0	1	
308	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 06:34	1.0	1	
309	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 06:37	1.0	1	
310	met06_master011	MSS	477983-001	Water	306249	01/31/23 06:40	1.0	1	1:CAASCACO3=810
311	met06_master011	MS	QC1041455	Water	306249	01/31/23 06:43	1.0	1	2:CAASCACO3=910
312	met06_master011	MSD	QC1041456	Water	306249	01/31/23 06:47	1.0	1	1:CAASCACO3=810

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 06:50	1.0	1	2:FE=510
314	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 06:53	1.0	1	3:NA=1300
315	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 06:56	1.0	1	1:FE=460
316	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 07:00	1.0	1	1:NA=1000
317	met06_master011	CCV				01/31/23 07:03	1.0	10 1	
318	met06_master011	CCB				01/31/23 07:06	1.0	1	
319	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 07:09	1.0	1	1:FE=460
320	met06_master011	MSS	478044-006	Water	306249	01/31/23 07:13	1.0	1	1:NA=910
321	met06_master011	MS	QC1041430	Water	306249	01/31/23 07:16	1.0	1	
322	met06_master011	MSD	QC1041431	Water	306249	01/31/23 07:19	1.0	1	1:NA=930
323	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 07:22	1.0	1	
324	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 07:26	1.0	1	2:FE=130
325	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 07:29	1.0	1	2:FE=110
326	met06_master011	CCV				01/31/23 07:32	1.0	10 1	
327	met06_master011	CCB				01/31/23 07:36	1.0	1	
328	met06_master011	CCV				01/31/23 08:11	1.0	10 1	
329	met06_master011	CCB				01/31/23 08:14	1.0	1	
330	met06_master011	MSD	QC1042165	Soil	306479	01/31/23 08:23	1.0	1	4:ALASAL2O3=230
331	met06_master011	SAMPLE	478401-001	Miscell.	306479	01/31/23 08:26	1.0	1	
332	met06_master011	MSS	478043-001	Soil	306366	01/31/23 08:32	10.0	1	2:FEASFE2O3=46
333	met06_master011	MS	QC1041778	Soil	306366	01/31/23 08:36	10.0	1	2:FEASFE2O3=44
334	met06_master011	LCS	QC1041418	Water	306246	01/31/23 08:40	1.0	1	
335	met06_master011	MSD	QC1041779	Soil	306366	01/31/23 08:43	10.0	1	2:FEASFE2O3=49
336	met06_master011	PDS	QC1041780	Soil	306366	01/31/23 08:46	10.0	1	2:FEASFE2O3=45
337	met06_master011	CCV				01/31/23 08:49	1.0	10 1	
338	met06_master011	CCB				01/31/23 08:53	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
339	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 08:56	1.0	1	2:FE=94
340	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 08:59	1.0	1	2:FE=88
341	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 09:02	1.0	1	1:FE=75
342	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 09:06	1.0	1	2:AL=260
343	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 09:09	1.0	1	2:FE=120
344	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 09:12	1.0	1	2:FE=110
345	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 09:15	1.0	1	1:FE=86
346	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 09:19	1.0	1	2:FE=170
347	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 09:22	1.0	1	2:FE=90
348	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 09:25	1.0	1	1:FE=88
349	met06_master011	CCV				01/31/23 09:28	1.0	10 1	
350	met06_master011	CCB				01/31/23 09:32	1.0	1	
351	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 09:35	1.0	1	2:FE=88
352	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 09:38	1.0	1	2:FE=97
353	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 09:41	1.0	1	1:FE=95
354	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 09:45	1.0	1	1:FE=430
355	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 09:48	1.0	1	3:AL=260
356	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 09:51	1.0	1	2:FE=160
357	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 09:54	1.0	1	2:FE=160
358	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 09:58	1.0	1	2:FE=200
359	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 10:01	1.0	1	
360	met06_master011	LCS	QC1041429	Water	306249	01/31/23 10:04	1.0	1	
361	met06_master011	CCV				01/31/23 10:07	1.0	10 1	
362	met06_master011	CCB				01/31/23 10:11	1.0	1	
363	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 10:14	1.0	1	
364	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 10:17	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 10:20	1.0	1	
366	met06_master011	MSS	477983-001	Water	306249	01/31/23 10:24	1.0	1	
367	met06_master011	MS	QC1041455	Water	306249	01/31/23 10:27	1.0	1	
368	met06_master011	MSD	QC1041456	Water	306249	01/31/23 10:30	1.0	1	
369	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 10:34	1.0	1	1:FE=500
370	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 10:37	1.0	1	3:NA=1300
371	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 10:40	1.0	1	1:FE=450
372	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 10:44	1.0	1	
373	met06_master011	CCV				01/31/23 10:48	1.0	10 1	
374	met06_master011	CCB				01/31/23 10:51	1.0	1	
375	met06_master011	BLANK	QC1042212	Soil	306492	01/31/23 10:55	1.0	1	
376	met06_master011	LCS	QC1042213	Soil	306492	01/31/23 10:58	1.0	1	
377	met06_master011	BLANK	QC1042266	Drinking Water	306505	01/31/23 11:01	1.0	1	
378	met06_master011	LCS	QC1042267	Drinking Water	306505	01/31/23 11:05	1.0	1	
379	met06_master011	SAMPLE	478474-001	Drinking Water	306505	01/31/23 11:08	1.0	1	
380	met06_master011	SAMPLE	478475-001	Drinking Water	306505	01/31/23 11:11	1.0	1	
381	met06_master011	MSS	478476-001	Drinking Water	306505	01/31/23 11:14	1.0	1	
382	met06_master011	MS	QC1042268	Drinking Water	306505	01/31/23 11:17	1.0	1	
383	met06_master011	MSD	QC1042269	Drinking Water	306505	01/31/23 11:21	1.0	1	
384	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 11:24	1.0	1	1:FE=470
385	met06_master011	XCCV				01/31/23 11:27	1.0	10 1	
386	met06_master011	XCCB				01/31/23 11:30	1.0	1	
387	met06_master011	CCV				01/31/23 11:35	1.0	10 1	
388	met06_master011	CCB				01/31/23 11:38	1.0	1	
389	met06_master011	MSS	478044-006	Water	306249	01/31/23 11:41	1.0	1	
390	met06_master011	MS	QC1041430	Water	306249	01/31/23 11:45	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
391	met06_master011	MSD	QC1041431	Water	306249	01/31/23 11:48	1.0	1	
392	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 11:51	1.0	1	
393	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 11:55	1.0	1	2:FE=130
394	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 11:58	1.0	1	2:FE=110
395	met06_master011	PDS	QC1042297	Soil	306479	01/31/23 12:01	1.0	1	4:ALASAL2O3=180
396	met06_master011	CCV				01/31/23 12:04	1.0	10 1	
397	met06_master011	CCB				01/31/23 12:08	1.0	1	
398	met06_master011	BLANK	QC1041989	Soil	306427	01/31/23 12:12	1.0	1	
399	met06_master011	LCS	QC1041990	Soil	306427	01/31/23 12:15	1.0	1	
400	met06_master011	MSS	477276-026	Soil	306427	01/31/23 12:18	1.0	1	4:ALASAL2O3=350
401	met06_master011	MS	QC1041991	Soil	306427	01/31/23 12:21	1.0	1	5:ALASAL2O3=420
402	met06_master011	MSD	QC1041992	Soil	306427	01/31/23 12:25	1.0	1	5:ALASAL2O3=460
403	met06_master011	PDS	QC1042047	Soil	306427	01/31/23 12:28	1.0	1	5:ALASAL2O3=340
404	met06_master011	SAMPLE	477276-027	Soil	306427	01/31/23 12:31	1.0	1	2:FE=260
405	met06_master011	SAMPLE	477276-028	Soil	306427	01/31/23 12:34	1.0	1	2:FE=260
406	met06_master011	SAMPLE	477276-029	Soil	306427	01/31/23 12:38	1.0	1	2:FE=270
407	met06_master011	SAMPLE	478373-030	Wipe	306440	01/31/23 12:41	10.0	1	
408	met06_master011	CCV				01/31/23 12:44	1.0	10 1	
409	met06_master011	CCB				01/31/23 12:47	1.0	1	
410	met06_master011	BLANK	QC1042323	Filtrate	306535	01/31/23 12:51	1.0	1	
411	met06_master011	BS	QC1042324	Filtrate	306535	01/31/23 12:54	1.0	1	
412	met06_master011	BSD	QC1042325	Filtrate	306535	01/31/23 12:58	1.0	1	
413	met06_master011	SAMPLE	476977-001	Filtrate	306535	01/31/23 13:01	1.0	1	
414	met06_master011	SAMPLE	476977-005	Filtrate	306535	01/31/23 13:04	1.0	1	
415	met06_master011	SAMPLE	478373-034	Wipe	306440	01/31/23 13:08	10.0	1	
416	met06_master011	SAMPLE	478373-037	Wipe	306440	01/31/23 13:11	10.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master011	SAMPLE	478373-039	Wipe	306440	01/31/23 13:14	10.0	1	
418	met06_master011	SAMPLE	478373-041	Wipe	306440	01/31/23 13:17	10.0	1	
419	met06_master011	SAMPLE	478373-043	Wipe	306440	01/31/23 13:21	10.0	1	
420	met06_master011	CCV				01/31/23 13:24	1.0	10 1	
421	met06_master011	CCB				01/31/23 13:27	1.0	1	
422	met06_master011	SAMPLE	478373-045	Wipe	306440	01/31/23 13:30	10.0	1	
423	met06_master011	SAMPLE	478373-047	Wipe	306440	01/31/23 13:34	10.0	1	
424	met06_master011	SAMPLE	478373-049	Wipe	306440	01/31/23 13:37	10.0	1	
425	met06_master011	SAMPLE	478373-050	Wipe	306441	01/31/23 13:40	10.0	1	
426	met06_master011	SAMPLE	478373-052	Wipe	306441	01/31/23 13:43	10.0	1	
427	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 13:47	10.0	1	
428	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 13:50	10.0	1	1:FE=28
429	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 13:53	10.0	1	
430	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 13:56	10.0	1	
431	met06_master011	BLANK	QC1041554	Soil	306287	01/31/23 14:00	1.0	1	
432	met06_master011	CCV				01/31/23 14:03	1.0	10 1	
433	met06_master011	CCB				01/31/23 14:06	1.0	1	
434	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 14:10	1.0	1	
435	met06_master011	LCS	QC1041429	Water	306249	01/31/23 14:13	1.0	1	
436	met06_master011	LCS	QC1041555	Soil	306287	01/31/23 14:16	1.0	1	
437	met06_master011	MSS	478206-001	Soil	306287	01/31/23 14:20	1.0	1	4:FEASFE2O3=480
438	met06_master011	MS	QC1041556	Soil	306287	01/31/23 14:23	1.0	1	4:FEASFE2O3=360
439	met06_master011	MSD	QC1041557	Soil	306287	01/31/23 14:26	1.0	1	5:FEASFE2O3=320
440	met06_master011	PDS	QC1041766	Soil	306287	01/31/23 14:29	1.0	1	4:FEASFE2O3=470
441	met06_master011	SAMPLE	478208-009	Soil	306287	01/31/23 14:33	1.0	1	2:FE=230
442	met06_master011	SAMPLE	478208-010	Soil	306287	01/31/23 14:36	1.0	1	2:FE=200

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
443	met06_master011	SAMPLE	478268-001	Soil	306479	01/31/23 14:39	10.0	1	1:FE=32
444	met06_master011	CCV				01/31/23 14:42	1.0	10 1	
445	met06_master011	CCB				01/31/23 14:46	1.0	1	
446	met06_master011	BLANK	QC1041798	Miscell.	306371	01/31/23 14:50	1.0	1	
447	met06_master011	LCS	QC1041799	Miscell.	306371	01/31/23 14:53	1.0	1	
448	met06_master011	MSS	478094-003	Soil	306371	01/31/23 14:56	1.0	1	7:FEASFE2O3=570
449	met06_master011	MS	QC1041800	Soil	306371	01/31/23 15:00	1.0	1	7:FEASFE2O3=620

SBW 01/31/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 346.

Standards Used:
1=S13369 2=S17856 3=S17855 4=S17854 5=S17853 6=S17852 7=S17851 8=S17857 9=S17858 10=S17901 11=S17918 12=S17605 13=S17891

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	27309900	802542	91936
		LOWER LIMIT	8192970	240763	27581
		UPPER LIMIT	54619800	1605084	183872
013	ICB		27002300	811249	93656
014	ICSA		22593900	725928	86381
015	ICSAB		22754500	721557	86326
016	SAMPLE	477963-001	27725900	819200	91351
017	SAMPLE	477965-001	27518800	822996	91339
018	SAMPLE	477965-002	27280900	695386	21322 *
027	SAMPLE	477965-002	29101700	866297	99397
028	SAMPLE	477965-003	27605500	840409	96508
029	CCV		25077300	815839	91979
030	CCB		27319200	817208	92305
031	BLANK	QC1040706	27213900	817579	93202
032	LCS	QC1040707	26044800	790431	93697
041	SAMPLE	477538-001	26610300	821667	98102
042	SAMPLE	477538-002	26807200	812458	96913
043	SAMPLE	477538-003	26575200	807337	95713
044	MSS	477943-001	27877700	841573	97757
045	MS	QC1040708	27099300	827248	96225
046	MSD	QC1040709	26984500	826675	95900
047	SAMPLE	477089-001	28169100	850700	96759
048	CCV		25414100	823537	92989
049	CCB		27601300	831574	93761
050	BLANK	QC1041981	27519200	825903	93439
051	LCS	QC1041982	26806800	800074	93363
052	MSS	478317-009	25177300	818944	93893
053	MS	QC1041983	25136700	817080	95175
054	MSD	QC1041984	24922900	817071	94161
055	CCV		25888300	818429	93907
056	CCB		27786700	839912	95772
057	BLANK	QC1041229	27529800	827491	94891
058	LCS	QC1041230	26168800	792289	91980
059	SAMPLE	478161-001	20718500	696428	92858
060	SAMPLE	478330-001	25542400	821563	90443
061	MSS	478161-002	25568300	821519	92283
062	MS	QC1041231	25214200	819917	94082
063	MSD	QC1041232	25565200	825043	95096
064	SAMPLE	478161-003	26112100	807464	93957
065	CCV		25570100	804521	93920
066	CCB		27653300	837363	95054
067	LCS	QC1041326	26816400	807860	94059
068	MSS	478142-001	25990900	817123	94690
069	MS	QC1041327	25967800	820803	94378
070	MSD	QC1041328	25986200	793696	93809
071	PDS	QC1041329	26017400	810852	94770
072	SAMPLE	478202-001	26776900	872140	118328
073	SAMPLE	478202-002	27373200	846754	104265
075	CCV		25173100	809974	94400
076	CCB		27060600	816499	96332
077	LCS	QC1040220	25501400	821488	91270

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
078	SAMPLE	476977-002	28060400	857153	99493
079	SAMPLE	476977-003	28060700	856712	97406
080	SAMPLE	476977-004	27756800	854393	96535
081	LCS	QC1041418	26184900	811524	94332
082	SAMPLE	477696-003	24880400	821993	92517
083	SAMPLE	478108-001	26121100	811902	94562
084	MSS	478193-001	26275900	819057	94347
085	MS	QC1041419	25296100	827457	92514
086	MSD	QC1041420	25258800	836010	92162
087	CCV		24366100	816433	91497
088	CCB		26475100	819666	91598
089	BLANK	QC1041807	27572100	844871	95443
090	LCS	QC1041808	26270100	813465	93415
091	MSS	477789-001	25831700	798690	94749
092	MS	QC1041809	25537700	831235	94186
093	MSD	QC1041810	25398800	830312	94817
094	SAMPLE	477789-002	27211000	827670	95981
095	SAMPLE	477789-003	25435700	827695	90338
096	BLANK	QC1041776	25698500	797836	88247
097	LCS	QC1041777	25735900	802374	89461
098	MSS	478043-001	24005000	784547	89319
099	CCV		24867900	811520	90384
100	CCB		26727500	812465	92438
101	MS	QC1041778	24009100	794492	90270
102	MSD	QC1041779	24227200	799348	90621
103	PDS	QC1041780	24010500	790263	89242
104	SAMPLE	478302-001	24770300	801223	89524
105	BLANK	QC1042048	25706000	807723	86714
106	BS	QC1042049	24973800	796787	86901
107	BSD	QC1042050	24629600	793846	85938
108	SAMPLE	478361-002	25168400	812183	89162
109	SAMPLE	478361-004	24448700	788537	85844
110	SAMPLE	478361-005	25123200	800486	85735
111	CCV		25338300	812648	91089
112	CCB		27217400	824715	92335
113	SAMPLE	478362-002	24759800	799726	87587
114	SAMPLE	478362-004	25785500	790454	84875
115	SAMPLE	478362-006	24675100	787120	84947
116	SAMPLE	478362-008	24834600	784842	84904
117	SAMPLE	478362-010	24476100	783480	85749
118	SAMPLE	478368-002	25648400	774424	84526
119	SAMPLE	478371-002	24480600	775746	84961
120	SAMPLE	478371-003	25120700	799081	86530
121	SAMPLE	478371-005	24332800	790143	86866
122	SAMPLE	478371-006	24838500	803536	86846
123	CCV		25711500	812428	93230
124	CCB		27561600	854300	93806
125	SAMPLE	478371-009	24321900	794580	86601
126	SAMPLE	478371-012	24637400	800935	86217
127	SAMPLE	478371-014	24459800	793082	87701
128	SAMPLE	478373-002	24844500	806588	85902
129	SAMPLE	478373-004	24827300	806684	86650

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
130	SAMPLE	478373-007	24488400	791602	86269
131	SAMPLE	478373-009	24428500	785084	84906
132	BLANK	QC1041457	27195600	821973	90454
133	LCS	QC1041458	26326400	803418	87721
134	SAMPLE	478036-009	24202500	795545	89418
135	CCV		24807100	821339	88775
136	CCB		26927600	833357	90889
137	SAMPLE	478036-010	23776800	797041	90464
138	SAMPLE	478036-011	23900700	816408	88614
139	SAMPLE	478036-012	24698100	820059	87052
140	SAMPLE	478169-001	24474300	818675	89389
142	MSS	478211-001	26048800	812401	92832
143	MS	QC1041459	25120800	815641	91531
144	MSD	QC1041460	25069000	821819	90883
145	PDS	QC1041461	25948800	811149	92157
146	SAMPLE	478211-002	25831900	818304	88861
147	CCV		24911500	817318	88778
148	CCB		27096600	826553	91051
149	CCV		25263600	814828	91127
150	CCB		27114500	823514	90921
151	BLANK	QC1042029	25956800	804009	86731
152	BS	QC1042030	25497200	817939	86615
153	BSD	QC1042031	24525800	794928	84120
154	SAMPLE	478373-011	25229500	804523	87016
155	SAMPLE	478373-012	24925300	795438	85639
156	SAMPLE	478373-014	25022100	783157	83509
157	SAMPLE	478373-016	25377900	804160	86908
158	SAMPLE	478373-018	25365800	812897	86072
159	SAMPLE	478373-020	25348400	809443	86050
160	SAMPLE	478373-022	25662500	812473	86741
161	CCV		25260200	799844	90588
162	CCB		27167000	835852	92402
163	SAMPLE	478373-024	25240900	799758	86082
164	SAMPLE	478373-026	25693700	815873	87705
165	SAMPLE	478373-028	25644100	817523	87670
166	SAMPLE	478373-030	24946200	805428	86318
167	SAMPLE	478373-032	24937400	803183	86187
168	SAMPLE	478373-034	25061100	802046	86739
169	SAMPLE	478373-037	25408600	811927	88756
172	SAMPLE	478373-039	24561700	792586	84123
173	CCV		25186900	822802	89809
174	CCB		27280600	835879	91626
175	SAMPLE	478373-041	24296200	776938	84156
176	SAMPLE	478373-043	24977800	805092	85915
177	SAMPLE	478373-045	24341100	784364	82574
178	SAMPLE	478373-047	24901000	799722	84377
179	SAMPLE	478373-049	25162000	805500	85286
180	BLANK	QC1042034	24932500	791435	82881
181	BS	QC1042035	24288700	774359	81530
182	BSD	QC1042036	24399700	776588	83304
183	SAMPLE	478373-050	24675000	787692	83841
184	SAMPLE	478373-052	24286700	780034	82943

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
185	CCV		25463500	801422	88479
186	CCB		27729800	845716	93195
187	SAMPLE	478373-054	23885500	765270	82824
188	SAMPLE	478373-056	24496200	783643	84201
189	SAMPLE	478373-058	24937000	788566	86215
190	SAMPLE	478373-060	25967300	792672	84715
191	SAMPLE	478373-062	25262200	806253	85624
192	SAMPLE	478373-064	24888100	793914	86918
193	BLANK	QC1042162	27730200	839660	91975
194	LCS	QC1042163	26837500	821281	91458
195	SAMPLE	478268-001	25139300	821882	92391
196	SAMPLE	478268-002	23609200	765821	89304
197	CCV		24999100	823400	90191
198	CCB		27475800	842794	90667
199	SAMPLE	478268-003	25439500	817074	88419
200	SAMPLE	478268-004	25088400	820892	89564
201	SAMPLE	478268-005	25229300	815561	90595
202	SAMPLE	478268-006	25513100	787975	91233
203	SAMPLE	478268-007	25429800	814094	89831
204	SAMPLE	478268-008	25293600	821663	87899
205	SAMPLE	478268-009	24502700	798864	89302
206	SAMPLE	478268-010	25117300	822339	88503
207	SAMPLE	478268-011	24713200	812003	87860
208	SAMPLE	478268-012	24709200	812446	88378
209	CCV		24794600	809651	90208
210	CCB		27148400	835711	91877
211	MSS	478269-001	25539500	798906	90503
212	MS	QC1042164	25228800	803914	89337
213	SAMPLE	478211-003	25672000	803304	90342
214	SAMPLE	478211-004	24953000	807916	88547
215	SAMPLE	478211-005	25144100	817229	87504
216	SAMPLE	478211-006	25474900	801855	88396
217	SAMPLE	478211-007	25283000	807486	87809
218	SAMPLE	478211-008	24796200	812943	88108
219	SAMPLE	478211-009	24551100	807926	87610
220	SAMPLE	478211-010	23987200	779423	85772
221	CCV		24871000	820309	88786
222	CCB		27035100	827421	91253
223	SAMPLE	478211-011	24726700	797325	86736
224	SAMPLE	478211-012	22626500	732678	84295
225	SAMPLE	478214-001	25282300	819072	87790
226	SAMPLE	478263-001	24894900	807206	85547
227	SAMPLE	477964-001	25209200	814070	86493
228	SAMPLE	478037-005	24487700	801392	87630
229	SAMPLE	478037-010	24292100	796959	87384
230	SAMPLE	478040-005	24179100	787809	86940
231	SAMPLE	478040-010	23331800	769774	85824
232	SAMPLE	478072-001	24735400	814938	87159
233	CCV		24663400	809002	87966
234	CCB		26771700	812964	89833
235	SAMPLE	478072-002	24602700	795981	87295
236	SAMPLE	478072-007	24292200	798527	87717

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
237	SAMPLE	478011-002	24010600	791973	86803
238	SAMPLE	478011-003	24546200	807864	87300
239	SAMPLE	478011-004	24334700	800646	87238
240	SAMPLE	478011-005	24578100	809216	89050
241	SAMPLE	478011-006	24582300	802355	89087
242	SAMPLE	478034-005	24333000	790142	86907
243	SAMPLE	478036-001	24085900	782414	87150
244	SAMPLE	478036-002	23602200	768313	86080
245	CCV		24411900	803374	86876
246	CCB		26705900	804101	88747
247	SAMPLE	478036-003	23951800	775996	87505
248	SAMPLE	478036-004	24028900	772570	85307
249	SAMPLE	478036-005	23908700	769533	85187
250	SAMPLE	478036-006	23960800	767285	85893
251	SAMPLE	478036-007	23721400	768994	87013
252	SAMPLE	478036-008	23731600	765778	86731
253	SAMPLE	478307-001	21675800	728469	88949
254	SAMPLE	478317-004	23426100	763249	85725
255	SAMPLE	478317-007	23207500	753448	86404
256	SAMPLE	478339-001	24482800	768308	85578
257	CCV		24551800	788127	85633
258	CCB		26797900	802965	91817
259	SAMPLE	478384-001	22132000	722019	87552
260	SAMPLE	478042-004	24677100	796821	89160
261	SAMPLE	478129-005	24412400	780267	87316
262	SAMPLE	478129-006	24049100	771160	88129
263	SAMPLE	478145-001	24870900	789646	88512
264	SAMPLE	477964-001	27411600	812626	93235
265	BLANK	QC1042002	22012100	717709	87842
266	LCS	QC1042003	21574100	718251	87262
267	MSS	477799-001	21549700	708635	87052
268	MS	QC1042004	21338800	704976	86056
269	CCV		24479600	779354	85812
270	CCB		26792900	786884	89286
271	MSD	QC1042005	21265500	701664	87066
272	BLANK	QC1041581	25165900	781242	85433
273	LCS	QC1041582	24348600	752163	82997
274	SAMPLE	477569-001	13884500	455994	77295
275	SAMPLE	477569-002	12770700	410006	74151
276	SAMPLE	477569-003	15411100	505166	79325
277	SAMPLE	478172-001	24289600	767645	86842
278	MSS	478242-003	19351100	645447	87330
279	MS	QC1041583	19180800	635462	84325
280	MSD	QC1041584	19449500	644759	86132
281	CCV		24636700	769853	84798
282	CCB		27139100	782684	88720
283	SAMPLE	478043-002	24924800	780705	86533
284	SAMPLE	478043-003	24978200	773209	84586
285	SAMPLE	478043-004	25022900	771116	84433
286	SAMPLE	478043-005	24006300	747372	84887
287	SAMPLE	478043-006	24775200	765969	84071
288	SAMPLE	478043-007	24812100	762056	84249

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
289	SAMPLE	478043-008	25060900	768917	84036
290	SAMPLE	478043-009	24482400	754851	83425
291	SAMPLE	478043-010	25138500	767159	84129
292	SAMPLE	478043-011	25268700	774156	87043
293	CCV		24825800	793831	92974
294	CCB		26998300	774009	89926
295	SAMPLE	478043-012	25096100	775806	88488
296	SAMPLE	478043-013	25105600	768700	86996
297	SAMPLE	478043-014	24979000	769268	86435
298	SAMPLE	478110-004	24828300	767666	88315
299	SAMPLE	478110-005	24566500	761521	87858
300	SAMPLE	478130-007	24543900	749038	87240
301	SAMPLE	478130-008	24799900	763008	87654
302	SAMPLE	478130-009	24564800	751962	88024
303	BLANK	QC1041428	27730300	794178	90422
304	LCS	QC1041429	25977800	769756	88660
305	CCV		59464800 *	1676020 *	208881 *
306	CCB		26799900	768295	86504
310	MSS	477983-001	21041100	677251	83211
311	MS	QC1041455	20582800	663123	82254
312	MSD	QC1041456	20884500	662880	81032
313	SAMPLE	478044-001	23624100	744572	80727
314	SAMPLE	478044-002	19653000	647818	81223
315	SAMPLE	478044-003	21988200	702118	79694
316	SAMPLE	478044-004	20761000	685039	89024
317	CCV		59301200 *	1717000 *	205760 *
318	CCB		26899100	767993	88303
319	SAMPLE	478044-005	23415400	730078	90007
320	MSS	478044-006	22256600	708878	92041
321	MS	QC1041430	22422400	701544	90685
322	MSD	QC1041431	22286000	700639	90877
323	SAMPLE	478100-001	25597300	769629	88254
324	SAMPLE	478019-016	25292800	757554	88076
325	SAMPLE	478019-020	28542000	818244	99724
326	CCV		59831000 *	1731590 *	206070 *
327	CCB		27331600	764165	88523
328	CCV		24160200	688969	94181
329	CCB		26332000	758456	96834
330	MSD	QC1042165	24387700	710522	89189
331	SAMPLE	478401-001	27677000	790841	92524
332	MSS	478043-001	26779400	785296	91187
333	MS	QC1041778	26889100	783323	87609
334	LCS	QC1041418	26054100	763698	89330
335	MSD	QC1041779	27091500	783655	90858
336	PDS	QC1041780	27117500	781399	91160
337	CCV		24711300	725598	85691
338	CCB		27025600	770117	87130
339	SAMPLE	478043-002	25171600	732775	84079
340	SAMPLE	478043-003	25248200	727666	85705
341	SAMPLE	478043-004	25225700	755446	188460 *
342	SAMPLE	478043-005	23755900	678997	83645
343	SAMPLE	478043-006	24979400	710131	82924

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
344	SAMPLE	478043-007	25318200	711820	83421
345	SAMPLE	478043-008	25463000	725081	133097
346	SAMPLE	478043-009	24707800	704632	84639
347	SAMPLE	478043-010	25434700	719649	85105
348	SAMPLE	478043-011	25758700	728380	128349
349	CCV		24666000	706819	84049
350	CCB		27086800	758364	87293
351	SAMPLE	478043-012	25234600	712577	86416
352	SAMPLE	478043-013	25644100	723164	86665
353	SAMPLE	478043-014	25319300	720023	136457
354	SAMPLE	478110-004	25154000	767011	166594
355	SAMPLE	478110-005	24665800	714883	93288
356	SAMPLE	478130-007	24730900	699091	106461
357	SAMPLE	478130-008	24789100	702158	94281
358	SAMPLE	478130-009	24752300	692199	95207
359	BLANK	QC1041428	27944200	759054	95203
360	LCS	QC1041429	26691100	734899	88392
361	CCV		24654900	697137	86652
362	CCB		27361300	741912	87748
366	MSS	477983-001	22216600	664738	200339 *
367	MS	QC1041455	22025500	697303	154780
368	MSD	QC1041456	22295800	1025860	197598 *
369	SAMPLE	478044-001	25515500	715258	92222
370	SAMPLE	478044-002	21313600	623830	91408
371	SAMPLE	478044-003	24045600	686702	100401
372	SAMPLE	478044-004	22723700	665012	117766
373	CCV		25282800	706405	88365
374	CCB		27631900	748766	90408
375	BLANK	QC1042212	26157300	700490	83940
376	LCS	QC1042213	25706800	705955	85367
377	BLANK	QC1042266	27473800	749722	89803
378	LCS	QC1042267	26194100	723358	87850
379	SAMPLE	478474-001	27368000	747638	89961
380	SAMPLE	478475-001	27527300	751325	91930
381	MSS	478476-001	27399200	750920	91669
382	MS	QC1042268	26660700	739533	91888
383	MSD	QC1042269	26859800	738379	91128
384	SAMPLE	478044-005	24127400	678761	93683
387	CCV		25460300	703431	89240
388	CCB		27648700	744154	90013
389	MSS	478044-006	23292700	665852	103671
390	MS	QC1041430	23032700	658974	98735
391	MSD	QC1041431	22885200	652574	125832
392	SAMPLE	478100-001	26634000	772085	187759 *
393	SAMPLE	478019-016	26432600	722850	129459
394	SAMPLE	478019-020	29761600	762827	109313
395	PDS	QC1042297	26340400	723542	91887
396	CCV		25382500	699154	87295
397	CCB		27699400	743065	89868
398	BLANK	QC1041989	27725200	732677	89065
399	LCS	QC1041990	26721300	720986	86598
400	MSS	477276-026	26419700	718063	88594

Enthalpy Internal Standard Summary for Sequence 483043992

Date:	01/30/23	Reference:	met06_master011
Sequence:	MET06 01/30/23	Analyzed:	01/30/23 13:20

#	Type	Sample ID	Y H	Y A	Y R
401	MS	QC1041991	25982900	716970	89496
402	MSD	QC1041992	25742800	713112	88799
403	PDS	QC1042047	25795700	716172	88565
404	SAMPLE	477276-027	25668000	708312	87762
405	SAMPLE	477276-028	25757400	710639	87973
406	SAMPLE	477276-029	26089900	720003	89104
407	SAMPLE	478373-030	28809700	736196	92981
408	CCV		25588400	714470	87811
409	CCB		27994300	755368	88953
410	BLANK	QC1042323	27625600	755618	88878
411	BS	QC1042324	26309100	738548	88181
412	BSD	QC1042325	26324600	745294	87656
413	SAMPLE	476977-001	28572300	750578	92494
414	SAMPLE	476977-005	28128100	757192	90804
415	SAMPLE	478373-034	28039800	759091	91288
416	SAMPLE	478373-037	27831300	756338	89246
417	SAMPLE	478373-039	27836800	775701	89230
418	SAMPLE	478373-041	27783400	777305	89492
419	SAMPLE	478373-043	27593900	774849	88888
420	CCV		24668900	711270	83950
421	CCB		26971500	754247	88213
422	SAMPLE	478373-045	27676000	762656	89550
423	SAMPLE	478373-047	27485300	760373	89337
424	SAMPLE	478373-049	27770300	765756	91111
425	SAMPLE	478373-050	27379900	753744	89550
426	SAMPLE	478373-052	27126100	746464	88743
427	SAMPLE	478373-054	27272300	742389	91596
428	SAMPLE	478373-056	27467800	746049	89433
429	SAMPLE	478373-058	27553400	746883	90234
430	SAMPLE	478373-062	27512100	752317	92230
431	BLANK	QC1041554	26657100	725077	88246
432	CCV		24487700	677638	85158
433	CCB		26586900	726971	88817
434	BLANK	QC1041428	27774100	737211	90869
435	LCS	QC1041429	26416300	707495	87469
436	LCS	QC1041555	26187700	695008	87013
437	MSS	478206-001	25069300	682371	90749
438	MS	QC1041556	24803200	684233	90667
439	MSD	QC1041557	25078900	684898	90671
440	PDS	QC1041766	25093700	688189	88506
441	SAMPLE	478208-009	24752500	678420	88383
442	SAMPLE	478208-010	25293800	686295	89848
443	SAMPLE	478268-001	28142600	743890	95541
444	CCV		25092800	681554	88398
445	CCB		27335600	724232	90943
446	BLANK	QC1041798	26420900	700508	89349
447	LCS	QC1041799	26033700	700601	88697
448	MSS	478094-003	24906600	685968	93295
449	MS	QC1041800	24613500	667050	91734

ENTHALPY INITIAL CALIBRATION FOR 478371 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483043992001	Date:	30-JAN-2023 13:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483043992003	L1	30-JAN-2023 13:23	S17856, S13369 (100X)
L2	met06_master011	483043992004	L2	30-JAN-2023 13:26	S17855, S13369 (100X)
L3	met06_master011	483043992005	L3	30-JAN-2023 13:29	S17854, S13369 (100X)
L4	met06_master011	483043992006	L4	30-JAN-2023 13:33	S17853, S13369 (100X)
L5	met06_master011	483043992007	L5	30-JAN-2023 13:36	S17852, S13369 (100X)
L6	met06_master011	483043992008	L6	30-JAN-2023 13:39	S17851, S13369 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00309	34.8131		0.0240	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	0.0232	0.0329	0.0310	0.0288	0.0287

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-10	0.0100	12	0.1000	18	1.0000	8	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	483043992001	Cal Date:	30-JAN-2023

- ICV 483043992011 (30-JAN-2023) stds: S17901, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.047	mg/l	5	10	

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992013.2	File:	met06_master011	Time:	30-JAN-2023 13:56
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001974]	0.003333	---	mg/l	!ICB

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27002300	-1.13
Yttrium	A	802542	811249	1.08
Yttrium	R	91936	93656	1.87

!=warning ICB=instrument blank

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992014.2	File:	met06_master011	Time:	30-JAN-2023 13:59
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17605, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01370	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	150.5	mg/l	94	
Aluminum	R	400.0	420.4	mg/l	105	calc
Calcium	R	400.0	405.8	mg/l	101	
Magnesium	R	400.0	394.4	mg/l	99	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22593900	-17.27
Yttrium	A	802542	725928	-9.55
Yttrium	R	91936	86381	-6.04

+=high bias a=ICSA calc=check quantitation

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992015	File:	met06_master011	Time:	30-JAN-2023 14:02
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17891, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.057	mg/l	6	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22754500	-16.68
Yttrium	A	802542	721557	-10.09
Yttrium	R	91936	86326	-6.10

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992099	File:	met06_master011	Time:	30-JAN-2023 19:00
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0295	1.000	1.029	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	24867900	-8.94
Yttrium	A	802542	811520	1.12
Yttrium	R	91936	90384	-1.69

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992100	File:	met06_master011	Time:	30-JAN-2023 19:03
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	26727500	-2.13
Yttrium	A	802542	812465	1.24
Yttrium	R	91936	92438	0.55

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992111	File:	met06_master011	Time:	30-JAN-2023 19:39
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0300	1.000	1.049	mg/l	5	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	25338300	-7.22
Yttrium	A	802542	812648	1.26
Yttrium	R	91936	91089	-0.92

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992112	File:	met06_master011	Time:	30-JAN-2023 19:42
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27217400	-0.34
Yttrium	A	802542	824715	2.76
Yttrium	R	91936	92335	0.43

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992123	File:	met06_master011	Time:	30-JAN-2023 20:18
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0306	1.000	1.069	mg/l	7	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	25711500	-5.85
Yttrium	A	802542	812428	1.23
Yttrium	R	91936	93230	1.41

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992124	File:	met06_master011	Time:	30-JAN-2023 20:21
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27561600	0.92
Yttrium	A	802542	854300	6.45
Yttrium	R	91936	93806	2.03

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992135	File:	met06_master011	Time:	30-JAN-2023 20:57
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0294	1.000	1.025	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	24807100	-9.16
Yttrium	A	802542	821339	2.34
Yttrium	R	91936	88775	-3.44

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992136	File:	met06_master011	Time:	30-JAN-2023 21:01
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	26927600	-1.40
Yttrium	A	802542	833357	3.84
Yttrium	R	91936	90889	-1.14

SAMPLE PREPARATION SUMMARY

Batch # : 306445
Started By : PAJ
Method : 3050B
Spike #1 ID : S17422
Prep Date : 30-JAN-2023 12:30
Spike #2 ID : S17423
Analysis : ICP
Finished By : PAJ
Units : ft2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
478361-002		Wipe	1	50	1	50.0						6010	
478361-004		Wipe	1.138	50	1	43.94						6010	
478361-005		Wipe	1	50	1	50.0						6010	
478362-002		Wipe	1	50	1	50.0						6010	
478362-004		Wipe	1	50	1	50.0						6010	
478362-006		Wipe	1	50	1	50.0						6010	
478362-008		Wipe	1	50	1	50.0						6010	
478362-010		Wipe	1.04	50	1	48.08						6010	
478368-002		Wipe	1	50	1	50.0						6010	
478371-002		Wipe	1	50	1	50.0						6010	
478371-003		Wipe	1	50	1	50.0						6010	
478371-005		Wipe	1	50	1	50.0						6010	
478371-006		Wipe	1	50	1	50.0						6010	
478371-009		Wipe	1	50	1	50.0						6010	
478371-012		Wipe	1	50	1	50.0						6010	
478371-014		Wipe	1	50	1	50.0						6010	
478373-002		Wipe	1	50	1	50.0						6010	
478373-004		Wipe	1	50	1	50.0						6010	
478373-007		Wipe	1	50	1	50.0						6010	
478373-009		Wipe	1	50	1	50.0						6010	
QC1042048	BLANK	Wipe	1	50	1	50.0						ICP	
QC1042049	BS	Wipe	1	50	1	50.0		.5	.5			ICP	
QC1042050	BSD	Wipe	1	50	1	50.0		.5	.5			ICP	

Analyst: SBW Date: 01/31/23 Reviewer: MCP Date: 01/31/23

ICP Prep Log

Initials: PAJ / KLN Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 306445

Prep Start, Date/Time: 1/30/23 ~~11:59~~ PAJ 1/30/23 12:30 Prep End, Date/Time: 1/30/23 14:45 Therm ID/Corr Factor: 942650 / 0°C

HotBlock Temp (Obs/Cor), °C: 91 / 91 HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	----	----	----					
LCS	----	----	----		NA	50	MLD150000011	
LCSD								
478361-2	A	NA	wipe	whole wipe				
-4	A							
-5	A							
362-2	A							
-4	A							
-6	A							
-8	A							
-10	A							
368-2	A							
371-2	A							
-3	A							
-5	A							
-6	A							
-9	A							
-12	A							
-14	A							
373-2	A							
-4	A							
-7	A							
-9	A							
							MLD 015000011	

Hydrochloric Acid ID: 10ml 2237036

Nitric Acid ID: 10ml 20220906AS

H_2O_2 ID: 3ml 223401

LCS Spike ID: 1LSD 0.5ml (817422, 817423)

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			01/30/23 13:12	1.0	1	
002	met06_master011	ICALBLK	CALBLANK			01/30/23 13:20	1.0	1	
003	met06_master011	ICAL	L1			01/30/23 13:23	1.0	2 1	
004	met06_master011	ICAL	L2			01/30/23 13:26	1.0	3 1	
005	met06_master011	ICAL	L3			01/30/23 13:29	1.0	4 1	
006	met06_master011	ICAL	L4			01/30/23 13:33	1.0	5 1	
007	met06_master011	ICAL	L5			01/30/23 13:36	1.0	6 1	
008	met06_master011	ICAL	L6			01/30/23 13:39	1.0	7 1	
009	met06_master011	ICAL	L7			01/30/23 13:43	1.0	8 1	
010	met06_master011	ICAL	L8			01/30/23 13:46	1.0	9 1	
011	met06_master011	ICV				01/30/23 13:49	1.0	10 1	
012	met06_master011	CRI				01/30/23 13:53	1.0	11 1	
013	met06_master011	ICB				01/30/23 13:56	1.0	1	
014	met06_master011	ICSA				01/30/23 13:59	1.0	12 1	6:MGASMGCO3=1400
015	met06_master011	ICSAB				01/30/23 14:02	1.0	13 1	6:MGASMGCO3=1400
016	met06_master011	SAMPLE	477963-001	Soil	306052	01/30/23 14:07	20.0	1	
017	met06_master011	SAMPLE	477965-001	Soil	306052	01/30/23 14:11	20.0	1	
018	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:14	20.0	1	3:AL=68
019	met06_master011	XSAMPLE	477965-003	Soil	306052	01/30/23 14:17	20.0	1	
020	met06_master011	XBLANK	QC1040706	Drinking Water	305982	01/30/23 14:21	1.0	1	3:MGASMGCO3=680
021	met06_master011	XLCS	QC1040707	Drinking Water	305982	01/30/23 14:24	1.0	1	1:MGASMGCO3=1400
022	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 14:27	1.0	1	
023	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 14:30	1.0	1	
024	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 14:34	1.0	1	
025	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 14:37	1.0	1	3:MGASMGCO3=1400
026	met06_master011	XCCV				01/30/23 14:40	1.0	10 1	2:MGASMGCO3=1100

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	SAMPLE	477965-002	Soil	306052	01/30/23 14:49	100.0	1	
028	met06_master011	SAMPLE	477965-003	Soil	306052	01/30/23 14:53	20.0	1	1:FE=41
029	met06_master011	CCV				01/30/23 14:56	1.0	10 1	
030	met06_master011	CCB				01/30/23 14:59	1.0	1	
031	met06_master011	BLANK	QC1040706	Drinking Water	305982	01/30/23 15:02	1.0	1	
032	met06_master011	LCS	QC1040707	Drinking Water	305982	01/30/23 15:06	1.0	1	
033	met06_master011	XSAMPLE	477538-001	Drinking Water	305982	01/30/23 15:09	1.0	1	
034	met06_master011	XSAMPLE	477538-002	Drinking Water	305982	01/30/23 15:12	1.0	1	
035	met06_master011	XSAMPLE	477538-003	Drinking Water	305982	01/30/23 15:15	1.0	1	1:TI=12
036	met06_master011	XMSS	477943-001	Drinking Water	305982	01/30/23 15:20	1.0	1	2:MGASMGCO3=1700
037	met06_master011	XMS	QC1040708	Drinking Water	305982	01/30/23 15:23	1.0	1	3:MGASMGCO3=830
038	met06_master011	XMSD	QC1040709	Drinking Water	305982	01/30/23 15:26	1.0	1	2:MGASMGCO3=1600
039	met06_master011	XSAMPLE	477089-001	Water	305245	01/30/23 15:29	1.0	1	1:TI=12
040	met06_master011	XCCV				01/30/23 15:33	1.0	10 1	3:MGASMGCO3=960
041	met06_master011	SAMPLE	477538-001	Drinking Water	305982	01/30/23 15:38	1.0	1	
042	met06_master011	SAMPLE	477538-002	Drinking Water	305982	01/30/23 15:41	1.0	1	
043	met06_master011	SAMPLE	477538-003	Drinking Water	305982	01/30/23 15:45	1.0	1	
044	met06_master011	MSS	477943-001	Drinking Water	305982	01/30/23 15:48	1.0	1	
045	met06_master011	MS	QC1040708	Drinking Water	305982	01/30/23 15:51	1.0	1	
046	met06_master011	MSD	QC1040709	Drinking Water	305982	01/30/23 15:55	1.0	1	
047	met06_master011	SAMPLE	477089-001	Water	305245	01/30/23 15:58	1.0	1	
048	met06_master011	CCV				01/30/23 16:01	1.0	10 1	
049	met06_master011	CCB				01/30/23 16:04	1.0	1	
050	met06_master011	BLANK	QC1041981	Water	306425	01/30/23 16:08	1.0	1	
051	met06_master011	LCS	QC1041982	Water	306425	01/30/23 16:11	1.0	1	
052	met06_master011	MSS	478317-009	Water	306425	01/30/23 16:14	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	MS	QC1041983	Water	306425	01/30/23 16:17	1.0	1	
054	met06_master011	MSD	QC1041984	Water	306425	01/30/23 16:21	1.0	1	
055	met06_master011	CCV				01/30/23 16:24	1.0	10 1	
056	met06_master011	CCB				01/30/23 16:27	1.0	1	
057	met06_master011	BLANK	QC1041229	Water	306192	01/30/23 16:30	1.0	1	
058	met06_master011	LCS	QC1041230	Water	306192	01/30/23 16:34	1.0	1	
059	met06_master011	SAMPLE	478161-001	Water	306192	01/30/23 16:37	1.0	1	2:NA=1400
060	met06_master011	SAMPLE	478330-001	Water	306425	01/30/23 16:41	1.0	1	
061	met06_master011	MSS	478161-002	Water	306192	01/30/23 16:44	1.0	1	
062	met06_master011	MS	QC1041231	Water	306192	01/30/23 16:48	1.0	1	
063	met06_master011	MSD	QC1041232	Water	306192	01/30/23 16:51	1.0	1	
064	met06_master011	SAMPLE	478161-003	Water	306192	01/30/23 16:54	1.0	1	
065	met06_master011	CCV				01/30/23 16:57	1.0	10 1	
066	met06_master011	CCB				01/30/23 17:01	1.0	1	
067	met06_master011	LCS	QC1041326	Soil	306211	01/30/23 17:05	1.0	1	
068	met06_master011	MSS	478142-001	Miscell.	306211	01/30/23 17:09	1.0	1	5:FEASFE2O3=250
069	met06_master011	MS	QC1041327	Miscell.	306211	01/30/23 17:12	1.0	1	5:FEASFE2O3=240
070	met06_master011	MSD	QC1041328	Miscell.	306211	01/30/23 17:15	1.0	1	5:FEASFE2O3=260
071	met06_master011	PDS	QC1041329	Miscell.	306211	01/30/23 17:18	1.0	1	5:FEASFE2O3=250
072	met06_master011	SAMPLE	478202-001	Miscell.	306211	01/30/23 17:29	10.0	1	2:FE=410
073	met06_master011	SAMPLE	478202-002	Miscell.	306211	01/30/23 17:33	10.0	1	1:FE=190
074	met06_master011	XCCV				01/30/23 17:36	1.0	10 1	
075	met06_master011	CCV				01/30/23 17:41	1.0	10 1	
076	met06_master011	CCB				01/30/23 17:45	1.0	1	
077	met06_master011	LCS	QC1040220	Filtrate	305816	01/30/23 17:48	1.0	1	
078	met06_master011	SAMPLE	476977-002	Filtrate	305816	01/30/23 17:52	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	476977-003	Filtrate	305816	01/30/23 17:55	1.0	1	
080	met06_master011	SAMPLE	476977-004	Filtrate	305816	01/30/23 17:58	1.0	1	
081	met06_master011	LCS	QC1041418	Water	306246	01/30/23 18:01	1.0	1	
082	met06_master011	SAMPLE	477696-003	Water	306246	01/30/23 18:05	1.0	1	
083	met06_master011	SAMPLE	478108-001	Drinking Water	306246	01/30/23 18:08	1.0	1	
084	met06_master011	MSS	478193-001	Water	306246	01/30/23 18:11	1.0	1	
085	met06_master011	MS	QC1041419	Water	306246	01/30/23 18:14	1.0	1	
086	met06_master011	MSD	QC1041420	Water	306246	01/30/23 18:18	1.0	1	
087	met06_master011	CCV				01/30/23 18:21	1.0	10 1	
088	met06_master011	CCB				01/30/23 18:24	1.0	1	
089	met06_master011	BLANK	QC1041807	Water	306373	01/30/23 18:27	1.0	1	
090	met06_master011	LCS	QC1041808	Water	306373	01/30/23 18:31	1.0	1	
091	met06_master011	MSS	477789-001	Water	306373	01/30/23 18:34	1.0	1	
092	met06_master011	MS	QC1041809	Water	306373	01/30/23 18:37	1.0	1	
093	met06_master011	MSD	QC1041810	Water	306373	01/30/23 18:40	1.0	1	
094	met06_master011	SAMPLE	477789-002	Water	306373	01/30/23 18:44	1.0	1	
095	met06_master011	SAMPLE	477789-003	Water	306373	01/30/23 18:47	1.0	1	
096	met06_master011	BLANK	QC1041776	Soil	306366	01/30/23 18:50	1.0	1	
097	met06_master011	LCS	QC1041777	Soil	306366	01/30/23 18:53	1.0	1	
098	met06_master011	MSS	478043-001	Soil	306366	01/30/23 18:57	1.0	1	7:ALASAL2O3=380
099	met06_master011	CCV				01/30/23 19:00	1.0	10 1	
100	met06_master011	CCB				01/30/23 19:03	1.0	1	
101	met06_master011	MS	QC1041778	Soil	306366	01/30/23 19:06	1.0	1	7:FEASFE2O3=350
102	met06_master011	MSD	QC1041779	Soil	306366	01/30/23 19:10	1.0	1	6:FEASFE2O3=370
103	met06_master011	PDS	QC1041780	Soil	306366	01/30/23 19:13	1.0	1	7:ALASAL2O3=370
104	met06_master011	SAMPLE	478302-001	Soil	306366	01/30/23 19:16	1.0	1	3:FE=220

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	BLANK	QC1042048	Wipe	306445	01/30/23 19:20	1.0	1	
106	met06_master011	BS	QC1042049	Wipe	306445	01/30/23 19:23	1.0	1	
107	met06_master011	BSD	QC1042050	Wipe	306445	01/30/23 19:26	1.0	1	
108	met06_master011	SAMPLE	478361-002	Wipe	306445	01/30/23 19:29	1.0	1	1:FE=66
109	met06_master011	SAMPLE	478361-004	Wipe	306445	01/30/23 19:33	1.0	1	1:FE=75
110	met06_master011	SAMPLE	478361-005	Wipe	306445	01/30/23 19:36	1.0	1	1:FE=84
111	met06_master011	CCV				01/30/23 19:39	1.0	10 1	
112	met06_master011	CCB				01/30/23 19:42	1.0	1	
113	met06_master011	SAMPLE	478362-002	Wipe	306445	01/30/23 19:46	1.0	1	1:FE=100
114	met06_master011	SAMPLE	478362-004	Wipe	306445	01/30/23 19:49	1.0	1	1:FE=120
115	met06_master011	SAMPLE	478362-006	Wipe	306445	01/30/23 19:52	1.0	1	1:FE=86
116	met06_master011	SAMPLE	478362-008	Wipe	306445	01/30/23 19:55	1.0	1	1:FE=83
117	met06_master011	SAMPLE	478362-010	Wipe	306445	01/30/23 19:59	1.0	1	1:FE=120
118	met06_master011	SAMPLE	478368-002	Wipe	306445	01/30/23 20:02	1.0	1	
119	met06_master011	SAMPLE	478371-002	Wipe	306445	01/30/23 20:05	1.0	1	1:FE=100
120	met06_master011	SAMPLE	478371-003	Wipe	306445	01/30/23 20:08	1.0	1	1:FE=86
121	met06_master011	SAMPLE	478371-005	Wipe	306445	01/30/23 20:12	1.0	1	1:FE=84
122	met06_master011	SAMPLE	478371-006	Wipe	306445	01/30/23 20:15	1.0	1	1:FE=76
123	met06_master011	CCV				01/30/23 20:18	1.0	10 1	
124	met06_master011	CCB				01/30/23 20:21	1.0	1	
125	met06_master011	SAMPLE	478371-009	Wipe	306445	01/30/23 20:25	1.0	1	1:FE=88
126	met06_master011	SAMPLE	478371-012	Wipe	306445	01/30/23 20:28	1.0	1	2:ZN=230
127	met06_master011	SAMPLE	478371-014	Wipe	306445	01/30/23 20:31	1.0	1	1:FE=59
128	met06_master011	SAMPLE	478373-002	Wipe	306445	01/30/23 20:34	1.0	1	1:FE=93
129	met06_master011	SAMPLE	478373-004	Wipe	306445	01/30/23 20:38	1.0	1	1:FE=90
130	met06_master011	SAMPLE	478373-007	Wipe	306445	01/30/23 20:41	1.0	1	1:FE=91

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master011	SAMPLE	478373-009	Wipe	306445	01/30/23 20:44	1.0	1	1:FE=92
132	met06_master011	BLANK	QC1041457	Soil	306257	01/30/23 20:48	1.0	1	
133	met06_master011	LCS	QC1041458	Soil	306257	01/30/23 20:51	1.0	1	
134	met06_master011	SAMPLE	478036-009	Soil	306257	01/30/23 20:54	1.0	1	2:FE=220
135	met06_master011	CCV				01/30/23 20:57	1.0	10 1	
136	met06_master011	CCB				01/30/23 21:01	1.0	1	
137	met06_master011	SAMPLE	478036-010	Soil	306257	01/30/23 21:04	1.0	1	2:FE=230
138	met06_master011	SAMPLE	478036-011	Soil	306257	01/30/23 21:07	1.0	1	2:FE=240
139	met06_master011	SAMPLE	478036-012	Soil	306257	01/30/23 21:10	1.0	1	2:FE=100
140	met06_master011	SAMPLE	478169-001	Soil	306257	01/30/23 21:13	1.0	1	2:FE=140
141	met06_master011	SAMPLE	478169-002	Soil	306257	01/30/23 21:17	1.0	1	2:FE=210
142	met06_master011	MSS	478211-001	Soil	306257	01/30/23 21:20	1.0	1	4:ALASAL2O3=250
143	met06_master011	MS	QC1041459	Soil	306257	01/30/23 21:23	1.0	1	4:ALASAL2O3=470
144	met06_master011	MSD	QC1041460	Soil	306257	01/30/23 21:26	1.0	1	4:ALASAL2O3=430
145	met06_master011	PDS	QC1041461	Soil	306257	01/30/23 21:30	1.0	1	4:ALASAL2O3=250
146	met06_master011	SAMPLE	478211-002	Soil	306257	01/30/23 21:33	1.0	1	2:AL=55
147	met06_master011	CCV				01/30/23 21:36	1.0	10 1	
148	met06_master011	CCB				01/30/23 21:39	1.0	1	
149	met06_master011	CCV				01/30/23 21:56	1.0	10 1	
150	met06_master011	CCB				01/30/23 22:00	1.0	1	
151	met06_master011	BLANK	QC1042029	Wipe	306440	01/30/23 22:03	1.0	1	
152	met06_master011	BS	QC1042030	Wipe	306440	01/30/23 22:06	1.0	1	
153	met06_master011	BSD	QC1042031	Wipe	306440	01/30/23 22:09	1.0	1	
154	met06_master011	SAMPLE	478373-011	Wipe	306440	01/30/23 22:13	1.0	1	1:FE=60
155	met06_master011	SAMPLE	478373-012	Wipe	306440	01/30/23 22:16	1.0	1	1:FE=90
156	met06_master011	SAMPLE	478373-014	Wipe	306440	01/30/23 22:19	1.0	1	1:FE=70

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	SAMPLE	478373-016	Wipe	306440	01/30/23 22:22	1.0	1	1:FE=92
158	met06_master011	SAMPLE	478373-018	Wipe	306440	01/30/23 22:26	1.0	1	1:FE=130
159	met06_master011	SAMPLE	478373-020	Wipe	306440	01/30/23 22:29	1.0	1	1:FE=75
160	met06_master011	SAMPLE	478373-022	Wipe	306440	01/30/23 22:32	1.0	1	1:FE=54
161	met06_master011	CCV				01/30/23 22:36	1.0	10 1	
162	met06_master011	CCB				01/30/23 22:39	1.0	1	
163	met06_master011	SAMPLE	478373-024	Wipe	306440	01/30/23 22:42	1.0	1	1:FE=31
164	met06_master011	SAMPLE	478373-026	Wipe	306440	01/30/23 22:45	1.0	1	1:FE=83
165	met06_master011	SAMPLE	478373-028	Wipe	306440	01/30/23 22:49	1.0	1	1:FE=62
166	met06_master011	SAMPLE	478373-030	Wipe	306440	01/30/23 22:52	1.0	1	2:FE=140
167	met06_master011	SAMPLE	478373-032	Wipe	306440	01/30/23 22:55	1.0	1	1:FE=110
168	met06_master011	SAMPLE	478373-034	Wipe	306440	01/30/23 22:58	1.0	1	2:FE=91
169	met06_master011	SAMPLE	478373-037	Wipe	306440	01/30/23 23:02	1.0	1	2:FE=130
170	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:05	1.0	1	
171	met06_master011	SAMPLE	INCORRECT	Wipe	306440	01/30/23 23:08	1.0	1	
172	met06_master011	SAMPLE	478373-039	Wipe	306440	01/30/23 23:11	1.0	1	2:FE=130
173	met06_master011	CCV				01/30/23 23:15	1.0	10 1	
174	met06_master011	CCB				01/30/23 23:18	1.0	1	
175	met06_master011	SAMPLE	478373-041	Wipe	306440	01/30/23 23:21	1.0	1	2:FE=110
176	met06_master011	SAMPLE	478373-043	Wipe	306440	01/30/23 23:24	1.0	1	2:FE=92
177	met06_master011	SAMPLE	478373-045	Wipe	306440	01/30/23 23:28	1.0	1	2:FE=89
178	met06_master011	SAMPLE	478373-047	Wipe	306440	01/30/23 23:31	1.0	1	2:FE=130
179	met06_master011	SAMPLE	478373-049	Wipe	306440	01/30/23 23:34	1.0	1	2:FE=85
180	met06_master011	BLANK	QC1042034	Wipe	306441	01/30/23 23:37	1.0	1	
181	met06_master011	BS	QC1042035	Wipe	306441	01/30/23 23:41	1.0	1	
182	met06_master011	BSD	QC1042036	Wipe	306441	01/30/23 23:44	1.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master011	SAMPLE	478373-050	Wipe	306441	01/30/23 23:47	1.0	1	2:FE=110
184	met06_master011	SAMPLE	478373-052	Wipe	306441	01/30/23 23:50	1.0	1	2:FE=120
185	met06_master011	CCV				01/30/23 23:54	1.0	10 1	
186	met06_master011	CCB				01/30/23 23:57	1.0	1	
187	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 00:00	1.0	1	2:FE=110
188	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 00:03	1.0	1	2:FE=230
189	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 00:07	1.0	1	2:FE=96
190	met06_master011	SAMPLE	478373-060	Wipe	306441	01/31/23 00:10	1.0	1	1:FE=73
191	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 00:13	1.0	1	3:FEASFE2O3=160
192	met06_master011	SAMPLE	478373-064	Wipe	306441	01/31/23 00:16	1.0	1	
193	met06_master011	BLANK	QC1042162	Miscell.	306479	01/31/23 00:20	1.0	1	
194	met06_master011	LCS	QC1042163	Miscell.	306479	01/31/23 00:23	1.0	1	
195	met06_master011	SAMPLE	478268-001	Soil	306479	01/31/23 00:26	1.0	1	3:FE=250
196	met06_master011	SAMPLE	478268-002	Soil	306479	01/31/23 00:29	1.0	1	2:AL=480
197	met06_master011	CCV				01/31/23 00:33	1.0	10 1	
198	met06_master011	CCB				01/31/23 00:36	1.0	1	
199	met06_master011	SAMPLE	478268-003	Soil	306479	01/31/23 00:39	1.0	1	2:FE=160
200	met06_master011	SAMPLE	478268-004	Soil	306479	01/31/23 00:42	1.0	1	2:FE=240
201	met06_master011	SAMPLE	478268-005	Soil	306479	01/31/23 00:46	1.0	1	3:FE=280
202	met06_master011	SAMPLE	478268-006	Soil	306479	01/31/23 00:49	1.0	1	2:FE=290
203	met06_master011	SAMPLE	478268-007	Soil	306479	01/31/23 00:52	1.0	1	2:FE=210
204	met06_master011	SAMPLE	478268-008	Soil	306479	01/31/23 00:55	1.0	1	2:FE=260
205	met06_master011	SAMPLE	478268-009	Soil	306479	01/31/23 00:59	1.0	1	2:FE=200
206	met06_master011	SAMPLE	478268-010	Soil	306479	01/31/23 01:02	1.0	1	2:FE=250
207	met06_master011	SAMPLE	478268-011	Soil	306479	01/31/23 01:05	1.0	1	4:FEASFE2O3=520
208	met06_master011	SAMPLE	478268-012	Soil	306479	01/31/23 01:09	1.0	1	4:FEASFE2O3=450

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master011	CCV				01/31/23 01:12	1.0	10 1	
210	met06_master011	CCB				01/31/23 01:15	1.0	1	
211	met06_master011	MSS	478269-001	Soil	306479	01/31/23 01:18	1.0	1	4:FEASFE2O3=180
212	met06_master011	MS	QC1042164	Soil	306479	01/31/23 01:22	1.0	1	4:ALASAL2O3=210
213	met06_master011	SAMPLE	478211-003	Soil	306257	01/31/23 01:25	1.0	1	2:FE=92
214	met06_master011	SAMPLE	478211-004	Soil	306257	01/31/23 01:28	1.0	1	2:AL=96
215	met06_master011	SAMPLE	478211-005	Soil	306257	01/31/23 01:31	1.0	1	2:AL=84
216	met06_master011	SAMPLE	478211-006	Soil	306257	01/31/23 01:35	1.0	1	2:AL=61
217	met06_master011	SAMPLE	478211-007	Soil	306257	01/31/23 01:38	1.0	1	2:FE=110
218	met06_master011	SAMPLE	478211-008	Soil	306257	01/31/23 01:41	1.0	1	2:FE=170
219	met06_master011	SAMPLE	478211-009	Soil	306257	01/31/23 01:44	1.0	1	2:AL=120
220	met06_master011	SAMPLE	478211-010	Soil	306257	01/31/23 01:48	1.0	1	2:FE=120
221	met06_master011	CCV				01/31/23 01:51	1.0	10 1	
222	met06_master011	CCB				01/31/23 01:54	1.0	1	
223	met06_master011	SAMPLE	478211-011	Soil	306257	01/31/23 01:57	1.0	1	2:FE=90
224	met06_master011	SAMPLE	478211-012	Soil	306257	01/31/23 02:00	1.0	1	3:CA=1100
225	met06_master011	SAMPLE	478214-001	Miscell.	306257	01/31/23 02:04	1.0	1	2:AL=66
226	met06_master011	SAMPLE	478263-001	Miscell.	306257	01/31/23 02:07	1.0	1	2:FE=160
227	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 02:10	1.0	1	3:FE=130
228	met06_master011	SAMPLE	478037-005	Soil	306202	01/31/23 02:13	1.0	1	2:AL=190
229	met06_master011	SAMPLE	478037-010	Soil	306202	01/31/23 02:17	1.0	1	2:AL=200
230	met06_master011	SAMPLE	478040-005	Soil	306202	01/31/23 02:20	1.0	1	2:AL=190
231	met06_master011	SAMPLE	478040-010	Soil	306202	01/31/23 02:23	1.0	1	3:AL=230
232	met06_master011	SAMPLE	478072-001	Miscell.	306202	01/31/23 02:26	1.0	1	3:FE=170
233	met06_master011	CCV				01/31/23 02:30	1.0	10 1	
234	met06_master011	CCB				01/31/23 02:33	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
235	met06_master011	SAMPLE	478072-002	Miscell.	306202	01/31/23 02:36	1.0	1	3:FE=160
236	met06_master011	SAMPLE	478072-007	Soil	306202	01/31/23 02:39	1.0	1	3:FE=230
237	met06_master011	SAMPLE	478011-002	Soil	306209	01/31/23 02:43	1.0	1	3:AL=290
238	met06_master011	SAMPLE	478011-003	Soil	306209	01/31/23 02:46	1.0	1	2:AL=230
239	met06_master011	SAMPLE	478011-004	Soil	306209	01/31/23 02:49	1.0	1	2:AL=230
240	met06_master011	SAMPLE	478011-005	Soil	306209	01/31/23 02:52	1.0	1	2:AL=290
241	met06_master011	SAMPLE	478011-006	Soil	306209	01/31/23 02:56	1.0	1	2:AL=280
242	met06_master011	SAMPLE	478034-005	Soil	306209	01/31/23 02:59	1.0	1	3:AL=180
243	met06_master011	SAMPLE	478036-001	Soil	306209	01/31/23 03:02	1.0	1	2:FE=200
244	met06_master011	SAMPLE	478036-002	Soil	306209	01/31/23 03:05	1.0	1	2:FE=240
245	met06_master011	CCV				01/31/23 03:09	1.0	10 1	
246	met06_master011	CCB				01/31/23 03:12	1.0	1	
247	met06_master011	SAMPLE	478036-003	Soil	306209	01/31/23 03:15	1.0	1	3:FE=250
248	met06_master011	SAMPLE	478036-004	Soil	306209	01/31/23 03:18	1.0	1	2:FE=240
249	met06_master011	SAMPLE	478036-005	Soil	306209	01/31/23 03:22	1.0	1	2:FE=220
250	met06_master011	SAMPLE	478036-006	Soil	306209	01/31/23 03:25	1.0	1	2:FE=230
251	met06_master011	SAMPLE	478036-007	Soil	306209	01/31/23 03:28	1.0	1	2:FE=220
252	met06_master011	SAMPLE	478036-008	Soil	306209	01/31/23 03:31	1.0	1	2:FE=250
253	met06_master011	SAMPLE	478307-001	Water	306425	01/31/23 03:35	1.0	1	1:FE=33
254	met06_master011	SAMPLE	478317-004	Water	306425	01/31/23 03:38	1.0	1	3:FE=130
255	met06_master011	SAMPLE	478317-007	Water	306425	01/31/23 03:41	1.0	1	2:FE=100
256	met06_master011	SAMPLE	478339-001	Water	306425	01/31/23 03:44	1.0	1	1:FE=41
257	met06_master011	CCV				01/31/23 03:48	1.0	10 1	
258	met06_master011	CCB				01/31/23 03:51	1.0	1	
259	met06_master011	SAMPLE	478384-001	Water	306425	01/31/23 03:54	1.0	1	3:FE=160
260	met06_master011	SAMPLE	478042-004	Soil	306211	01/31/23 03:57	1.0	1	3:FE=140

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master011	SAMPLE	478129-005	Soil	306211	01/31/23 04:01	1.0	1	3:FE=190
262	met06_master011	SAMPLE	478129-006	Soil	306211	01/31/23 04:04	1.0	1	3:FE=220
263	met06_master011	SAMPLE	478145-001	Miscell.	306211	01/31/23 04:07	1.0	1	3:FE=170
264	met06_master011	SAMPLE	477964-001	Soil	306202	01/31/23 04:10	10.0	1	
265	met06_master011	BLANK	QC1042002	TCLP Leachate	306431	01/31/23 04:14	1.0	1	1:NA=950
266	met06_master011	LCS	QC1042003	TCLP Leachate	306431	01/31/23 04:17	1.0	1	1:NA=980
267	met06_master011	MSS	477799-001	TCLP Leachate	306431	01/31/23 04:20	1.0	1	3:NA=1000
268	met06_master011	MS	QC1042004	TCLP Leachate	306431	01/31/23 04:23	1.0	1	3:NA=1000
269	met06_master011	CCV				01/31/23 04:27	1.0	10 1	
270	met06_master011	CCB				01/31/23 04:30	1.0	1	
271	met06_master011	MSD	QC1042005	TCLP Leachate	306431	01/31/23 04:33	1.0	1	3:NA=1000
272	met06_master011	BLANK	QC1041581	Water	306295	01/31/23 04:36	1.0	1	
273	met06_master011	LCS	QC1041582	Water	306295	01/31/23 04:40	1.0	1	
274	met06_master011	SAMPLE	477569-001	Water	306295	01/31/23 04:43	1.0	1	4:MG=1900
275	met06_master011	SAMPLE	477569-002	Water	306295	01/31/23 04:46	1.0	1	4:MG=2700
276	met06_master011	SAMPLE	477569-003	Water	306295	01/31/23 04:49	1.0	1	4:NA=1800
277	met06_master011	SAMPLE	478172-001	Water	306295	01/31/23 04:53	1.0	1	
278	met06_master011	MSS	478242-003	Water	306295	01/31/23 04:56	1.0	1	2:NA=1400
279	met06_master011	MS	QC1041583	Water	306295	01/31/23 04:59	1.0	1	2:NA=1500
280	met06_master011	MSD	QC1041584	Water	306295	01/31/23 05:02	1.0	1	2:NA=1400
281	met06_master011	CCV				01/31/23 05:06	1.0	10 1	
282	met06_master011	CCB				01/31/23 05:09	1.0	1	
283	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 05:12	1.0	1	2:FE=93
284	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 05:15	1.0	1	2:FE=88
285	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 05:19	1.0	1	2:FE=78
286	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 05:22	1.0	1	2:AL=260

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
287	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 05:25	1.0	1	2:FE=120
288	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 05:29	1.0	1	2:FE=110
289	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 05:32	1.0	1	2:FE=86
290	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 05:35	1.0	1	2:FE=170
291	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 05:38	1.0	1	2:FE=90
292	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 05:42	1.0	1	2:FE=90
293	met06_master011	CCV				01/31/23 05:45	1.0	10 1	
294	met06_master011	CCB				01/31/23 05:48	1.0	1	
295	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 05:51	1.0	1	2:FE=86
296	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 05:55	1.0	1	2:FE=97
297	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 05:58	1.0	1	2:FE=97
298	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 06:01	1.0	1	2:FE=460
299	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 06:04	1.0	1	3:AL=270
300	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 06:08	1.0	1	2:FE=160
301	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 06:11	1.0	1	2:FE=160
302	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 06:14	1.0	1	2:FE=200
303	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 06:17	1.0	1	
304	met06_master011	LCS	QC1041429	Water	306249	01/31/23 06:21	1.0	1	
305	met06_master011	CCV				01/31/23 06:24	1.0	10 1	
306	met06_master011	CCB				01/31/23 06:27	1.0	1	
307	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 06:30	1.0	1	
308	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 06:34	1.0	1	
309	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 06:37	1.0	1	
310	met06_master011	MSS	477983-001	Water	306249	01/31/23 06:40	1.0	1	1:CAASCACO3=810
311	met06_master011	MS	QC1041455	Water	306249	01/31/23 06:43	1.0	1	2:CAASCACO3=910
312	met06_master011	MSD	QC1041456	Water	306249	01/31/23 06:47	1.0	1	1:CAASCACO3=810

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
313	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 06:50	1.0	1	2:FE=510
314	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 06:53	1.0	1	3:NA=1300
315	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 06:56	1.0	1	1:FE=460
316	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 07:00	1.0	1	1:NA=1000
317	met06_master011	CCV				01/31/23 07:03	1.0	10 1	
318	met06_master011	CCB				01/31/23 07:06	1.0	1	
319	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 07:09	1.0	1	1:FE=460
320	met06_master011	MSS	478044-006	Water	306249	01/31/23 07:13	1.0	1	1:NA=910
321	met06_master011	MS	QC1041430	Water	306249	01/31/23 07:16	1.0	1	
322	met06_master011	MSD	QC1041431	Water	306249	01/31/23 07:19	1.0	1	1:NA=930
323	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 07:22	1.0	1	
324	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 07:26	1.0	1	2:FE=130
325	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 07:29	1.0	1	2:FE=110
326	met06_master011	CCV				01/31/23 07:32	1.0	10 1	
327	met06_master011	CCB				01/31/23 07:36	1.0	1	
328	met06_master011	CCV				01/31/23 08:11	1.0	10 1	
329	met06_master011	CCB				01/31/23 08:14	1.0	1	
330	met06_master011	MSD	QC1042165	Soil	306479	01/31/23 08:23	1.0	1	4:ALASAL2O3=230
331	met06_master011	SAMPLE	478401-001	Miscell.	306479	01/31/23 08:26	1.0	1	
332	met06_master011	MSS	478043-001	Soil	306366	01/31/23 08:32	10.0	1	2:FEASFE2O3=46
333	met06_master011	MS	QC1041778	Soil	306366	01/31/23 08:36	10.0	1	2:FEASFE2O3=44
334	met06_master011	LCS	QC1041418	Water	306246	01/31/23 08:40	1.0	1	
335	met06_master011	MSD	QC1041779	Soil	306366	01/31/23 08:43	10.0	1	2:FEASFE2O3=49
336	met06_master011	PDS	QC1041780	Soil	306366	01/31/23 08:46	10.0	1	2:FEASFE2O3=45
337	met06_master011	CCV				01/31/23 08:49	1.0	10 1	
338	met06_master011	CCB				01/31/23 08:53	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
339	met06_master011	SAMPLE	478043-002	Soil	306366	01/31/23 08:56	1.0	1	2:FE=94
340	met06_master011	SAMPLE	478043-003	Soil	306366	01/31/23 08:59	1.0	1	2:FE=88
341	met06_master011	SAMPLE	478043-004	Soil	306366	01/31/23 09:02	1.0	1	1:FE=75
342	met06_master011	SAMPLE	478043-005	Soil	306366	01/31/23 09:06	1.0	1	2:AL=260
343	met06_master011	SAMPLE	478043-006	Soil	306366	01/31/23 09:09	1.0	1	2:FE=120
344	met06_master011	SAMPLE	478043-007	Soil	306366	01/31/23 09:12	1.0	1	2:FE=110
345	met06_master011	SAMPLE	478043-008	Soil	306366	01/31/23 09:15	1.0	1	1:FE=86
346	met06_master011	SAMPLE	478043-009	Soil	306366	01/31/23 09:19	1.0	1	2:FE=170
347	met06_master011	SAMPLE	478043-010	Soil	306366	01/31/23 09:22	1.0	1	2:FE=90
348	met06_master011	SAMPLE	478043-011	Soil	306366	01/31/23 09:25	1.0	1	1:FE=88
349	met06_master011	CCV				01/31/23 09:28	1.0	10 1	
350	met06_master011	CCB				01/31/23 09:32	1.0	1	
351	met06_master011	SAMPLE	478043-012	Soil	306366	01/31/23 09:35	1.0	1	2:FE=88
352	met06_master011	SAMPLE	478043-013	Soil	306366	01/31/23 09:38	1.0	1	2:FE=97
353	met06_master011	SAMPLE	478043-014	Soil	306366	01/31/23 09:41	1.0	1	1:FE=95
354	met06_master011	SAMPLE	478110-004	Soil	306366	01/31/23 09:45	1.0	1	1:FE=430
355	met06_master011	SAMPLE	478110-005	Soil	306366	01/31/23 09:48	1.0	1	3:AL=260
356	met06_master011	SAMPLE	478130-007	Soil	306366	01/31/23 09:51	1.0	1	2:FE=160
357	met06_master011	SAMPLE	478130-008	Soil	306366	01/31/23 09:54	1.0	1	2:FE=160
358	met06_master011	SAMPLE	478130-009	Soil	306366	01/31/23 09:58	1.0	1	2:FE=200
359	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 10:01	1.0	1	
360	met06_master011	LCS	QC1041429	Water	306249	01/31/23 10:04	1.0	1	
361	met06_master011	CCV				01/31/23 10:07	1.0	10 1	
362	met06_master011	CCB				01/31/23 10:11	1.0	1	
363	met06_master011	SAMPLE	477981-001	Water	306249	01/31/23 10:14	1.0	1	
364	met06_master011	SAMPLE	477981-002	Water	306249	01/31/23 10:17	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
365	met06_master011	SAMPLE	477981-003	Water	306249	01/31/23 10:20	1.0	1	
366	met06_master011	MSS	477983-001	Water	306249	01/31/23 10:24	1.0	1	
367	met06_master011	MS	QC1041455	Water	306249	01/31/23 10:27	1.0	1	
368	met06_master011	MSD	QC1041456	Water	306249	01/31/23 10:30	1.0	1	
369	met06_master011	SAMPLE	478044-001	Water	306249	01/31/23 10:34	1.0	1	1:FE=500
370	met06_master011	SAMPLE	478044-002	Water	306249	01/31/23 10:37	1.0	1	3:NA=1300
371	met06_master011	SAMPLE	478044-003	Water	306249	01/31/23 10:40	1.0	1	1:FE=450
372	met06_master011	SAMPLE	478044-004	Water	306249	01/31/23 10:44	1.0	1	
373	met06_master011	CCV				01/31/23 10:48	1.0	10 1	
374	met06_master011	CCB				01/31/23 10:51	1.0	1	
375	met06_master011	BLANK	QC1042212	Soil	306492	01/31/23 10:55	1.0	1	
376	met06_master011	LCS	QC1042213	Soil	306492	01/31/23 10:58	1.0	1	
377	met06_master011	BLANK	QC1042266	Drinking Water	306505	01/31/23 11:01	1.0	1	
378	met06_master011	LCS	QC1042267	Drinking Water	306505	01/31/23 11:05	1.0	1	
379	met06_master011	SAMPLE	478474-001	Drinking Water	306505	01/31/23 11:08	1.0	1	
380	met06_master011	SAMPLE	478475-001	Drinking Water	306505	01/31/23 11:11	1.0	1	
381	met06_master011	MSS	478476-001	Drinking Water	306505	01/31/23 11:14	1.0	1	
382	met06_master011	MS	QC1042268	Drinking Water	306505	01/31/23 11:17	1.0	1	
383	met06_master011	MSD	QC1042269	Drinking Water	306505	01/31/23 11:21	1.0	1	
384	met06_master011	SAMPLE	478044-005	Water	306249	01/31/23 11:24	1.0	1	1:FE=470
385	met06_master011	XCCV				01/31/23 11:27	1.0	10 1	
386	met06_master011	XCCB				01/31/23 11:30	1.0	1	
387	met06_master011	CCV				01/31/23 11:35	1.0	10 1	
388	met06_master011	CCB				01/31/23 11:38	1.0	1	
389	met06_master011	MSS	478044-006	Water	306249	01/31/23 11:41	1.0	1	
390	met06_master011	MS	QC1041430	Water	306249	01/31/23 11:45	1.0	1	

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
391	met06_master011	MSD	QC1041431	Water	306249	01/31/23 11:48	1.0	1	
392	met06_master011	SAMPLE	478100-001	Water	306249	01/31/23 11:51	1.0	1	
393	met06_master011	SAMPLE	478019-016	Soil	306051	01/31/23 11:55	1.0	1	2:FE=130
394	met06_master011	SAMPLE	478019-020	Soil	306051	01/31/23 11:58	1.0	1	2:FE=110
395	met06_master011	PDS	QC1042297	Soil	306479	01/31/23 12:01	1.0	1	4:ALASAL2O3=180
396	met06_master011	CCV				01/31/23 12:04	1.0	10 1	
397	met06_master011	CCB				01/31/23 12:08	1.0	1	
398	met06_master011	BLANK	QC1041989	Soil	306427	01/31/23 12:12	1.0	1	
399	met06_master011	LCS	QC1041990	Soil	306427	01/31/23 12:15	1.0	1	
400	met06_master011	MSS	477276-026	Soil	306427	01/31/23 12:18	1.0	1	4:ALASAL2O3=350
401	met06_master011	MS	QC1041991	Soil	306427	01/31/23 12:21	1.0	1	5:ALASAL2O3=420
402	met06_master011	MSD	QC1041992	Soil	306427	01/31/23 12:25	1.0	1	5:ALASAL2O3=460
403	met06_master011	PDS	QC1042047	Soil	306427	01/31/23 12:28	1.0	1	5:ALASAL2O3=340
404	met06_master011	SAMPLE	477276-027	Soil	306427	01/31/23 12:31	1.0	1	2:FE=260
405	met06_master011	SAMPLE	477276-028	Soil	306427	01/31/23 12:34	1.0	1	2:FE=260
406	met06_master011	SAMPLE	477276-029	Soil	306427	01/31/23 12:38	1.0	1	2:FE=270
407	met06_master011	SAMPLE	478373-030	Wipe	306440	01/31/23 12:41	10.0	1	
408	met06_master011	CCV				01/31/23 12:44	1.0	10 1	
409	met06_master011	CCB				01/31/23 12:47	1.0	1	
410	met06_master011	BLANK	QC1042323	Filtrate	306535	01/31/23 12:51	1.0	1	
411	met06_master011	BS	QC1042324	Filtrate	306535	01/31/23 12:54	1.0	1	
412	met06_master011	BSD	QC1042325	Filtrate	306535	01/31/23 12:58	1.0	1	
413	met06_master011	SAMPLE	476977-001	Filtrate	306535	01/31/23 13:01	1.0	1	
414	met06_master011	SAMPLE	476977-005	Filtrate	306535	01/31/23 13:04	1.0	1	
415	met06_master011	SAMPLE	478373-034	Wipe	306440	01/31/23 13:08	10.0	1	
416	met06_master011	SAMPLE	478373-037	Wipe	306440	01/31/23 13:11	10.0	1	

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
417	met06_master011	SAMPLE	478373-039	Wipe	306440	01/31/23 13:14	10.0	1	
418	met06_master011	SAMPLE	478373-041	Wipe	306440	01/31/23 13:17	10.0	1	
419	met06_master011	SAMPLE	478373-043	Wipe	306440	01/31/23 13:21	10.0	1	
420	met06_master011	CCV				01/31/23 13:24	1.0	10 1	
421	met06_master011	CCB				01/31/23 13:27	1.0	1	
422	met06_master011	SAMPLE	478373-045	Wipe	306440	01/31/23 13:30	10.0	1	
423	met06_master011	SAMPLE	478373-047	Wipe	306440	01/31/23 13:34	10.0	1	
424	met06_master011	SAMPLE	478373-049	Wipe	306440	01/31/23 13:37	10.0	1	
425	met06_master011	SAMPLE	478373-050	Wipe	306441	01/31/23 13:40	10.0	1	
426	met06_master011	SAMPLE	478373-052	Wipe	306441	01/31/23 13:43	10.0	1	
427	met06_master011	SAMPLE	478373-054	Wipe	306441	01/31/23 13:47	10.0	1	
428	met06_master011	SAMPLE	478373-056	Wipe	306441	01/31/23 13:50	10.0	1	1:FE=28
429	met06_master011	SAMPLE	478373-058	Wipe	306441	01/31/23 13:53	10.0	1	
430	met06_master011	SAMPLE	478373-062	Wipe	306441	01/31/23 13:56	10.0	1	
431	met06_master011	BLANK	QC1041554	Soil	306287	01/31/23 14:00	1.0	1	
432	met06_master011	CCV				01/31/23 14:03	1.0	10 1	
433	met06_master011	CCB				01/31/23 14:06	1.0	1	
434	met06_master011	BLANK	QC1041428	Water	306249	01/31/23 14:10	1.0	1	
435	met06_master011	LCS	QC1041429	Water	306249	01/31/23 14:13	1.0	1	
436	met06_master011	LCS	QC1041555	Soil	306287	01/31/23 14:16	1.0	1	
437	met06_master011	MSS	478206-001	Soil	306287	01/31/23 14:20	1.0	1	4:FEASFE2O3=480
438	met06_master011	MS	QC1041556	Soil	306287	01/31/23 14:23	1.0	1	4:FEASFE2O3=360
439	met06_master011	MSD	QC1041557	Soil	306287	01/31/23 14:26	1.0	1	5:FEASFE2O3=320
440	met06_master011	PDS	QC1041766	Soil	306287	01/31/23 14:29	1.0	1	4:FEASFE2O3=470
441	met06_master011	SAMPLE	478208-009	Soil	306287	01/31/23 14:33	1.0	1	2:FE=230
442	met06_master011	SAMPLE	478208-010	Soil	306287	01/31/23 14:36	1.0	1	2:FE=200

Enthalpy Sequence Summary for Sequence 483043992

Instrument: MET06 Begun: 01/30/23 13:12
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
443	met06_master011	SAMPLE	478268-001	Soil	306479	01/31/23 14:39	10.0	1	1:FE=32
444	met06_master011	CCV				01/31/23 14:42	1.0	10 1	
445	met06_master011	CCB				01/31/23 14:46	1.0	1	
446	met06_master011	BLANK	QC1041798	Miscell.	306371	01/31/23 14:50	1.0	1	
447	met06_master011	LCS	QC1041799	Miscell.	306371	01/31/23 14:53	1.0	1	
448	met06_master011	MSS	478094-003	Soil	306371	01/31/23 14:56	1.0	1	7:FEASFE2O3=570
449	met06_master011	MS	QC1041800	Soil	306371	01/31/23 15:00	1.0	1	7:FEASFE2O3=620

SBW 01/31/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 346.

Standards Used:
1=S13369 2=S17856 3=S17855 4=S17854 5=S17853 6=S17852 7=S17851 8=S17857 9=S17858 10=S17901 11=S17918 12=S17605 13=S17891

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-002	Client ID:	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-WF
Seqnum:	483043992119	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:05
Cal:	483043992001	Caldate:	30-JAN-2023		
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	3.125	160	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	775746	-3.34

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-002,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 20:05:37	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26910.10000000	1642.77000000	2728.11000000	5860.30000000	7976.30000000	19782.30000000	7002.72000000
Int RSD	*0.80434112*	*6.88392167*	*1.13225273*	*1.00433937*	*0.20311423*	*0.64058274*	*0.87799455*
Int SD	*216.44900000*	*113.08700000*	*30.88910000*	*58.85730000*	*16.20100000*	*126.72200000*	*61.48350000*
RelInt Mean	0.00000840	0.01754820	-0.00047764	0.00174445	0.00473263	0.23231000	0.00387537
RelInt RSD	*60.58099484*	*9.52200226*	*5.61127372*	*5.26167560*	*0.85626808*	*0.84489690*	*2.05950400*
RelInt SD	*0.00000509*	*0.00167094*	*0.00002680*	*0.00009179*	*0.00004052*	*0.00196278*	*0.00007981*
Conc Mean	<-0.00060820[mg/l]	1.46703000[mg/l]	<-0.02143440[mg/l]	0.01990080[mg/l]	0.01498870[mg/l]	18.83000000[mg/l]	0.02517640[mg/l]
Conc RSD	*33.63449672*	*13.74757162*	*6.85440227*	*5.57676073*	*0.86750018*	*0.84372278*	*2.09141895*
Conc SD	*0.00020456[mg/l]*	*0.20168100[mg/l]*	*0.00146920[mg/l]*	*0.00110982[mg/l]*	*0.00013003[mg/l]*	*0.15887300[mg/l]*	*0.00052654[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	8544.84000000	288648	22910700	4007.81000000	1435.84000000	1040080	3245.79000000
Int RSD	*0.98673702*	*1.06434134*	*0.43169262*	*7.00025700*	*3.57594857*	*0.17154642*	*0.58867333*
Int SD	*84.31510000*	*3072.20000000*	*98903.80000000*	*280.55700000*	*51.34490000*	*1784.22000000*	*19.10710000*
RelInt Mean	0.00552682	0.01076780	29.73540000	0.04869700	0.01456490	1.34276000	-0.00012163
RelInt RSD	*1.60183614*	*0.71960475*	*0.22596131*	*6.62652730*	*5.17750894*	*0.61479713*	*25.52446805*
RelInt SD	*0.00008853*	*0.00007749*	*0.06719050*	*0.00322692*	*0.00075410*	*0.00825525*	*0.00003104*
Conc Mean	0.03949820[mg/l]	0.31345700[mg/l]	>103.29000000[mg/l]	3.87274000[mg/l]	3.07359000[mg/l]	0.84223200[mg/l]	<-0.00165336[mg/l]
Conc RSD	*1.64956378*	*0.73016714*	*0.22603931*	*6.47874631*	*4.60978855*	*0.61497782*	*13.90622732*
Conc SD	*0.00065155[mg/l]*	*0.00228876[mg/l]*	*0.23347600[mg/l]*	*0.25090500[mg/l]*	*0.14168600[mg/l]*	*0.00517954[mg/l]*	*0.00022992[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	84295.00000000	9764.37000000	73409.00000000	3366.57000000	3244.35000000	7107.53000000	666.65400000
Int RSD	*0.48526010*	*1.22773922*	*0.14079336*	*0.79880115*	*1.19286760*	*0.09345821*	*19.72837484*
Int SD	*409.05000000*	*119.88100000*	*103.35500000*	*26.89220000*	*38.70080000*	*6.64257000*	*131.52000000*
RelInt Mean	0.98110600	0.00700193	0.08968370	0.00018140	0.00045580	0.00437552	0.00743206
RelInt RSD	*0.27141002*	*1.76601308*	*0.40021654*	*4.34021676*	*11.20633256*	*0.68464091*	*14.05491882*
RelInt SD	*0.00266282*	*0.00012365*	*0.00035893*	*0.00000787*	*0.00005108*	*0.00002996*	*0.00104457*
Conc Mean	8.33121000[mg/l]	0.07377950[mg/l]	3.12485000[mg/l]	0.01301900[mg/l]	0.03437150[mg/l]	0.08433290[mg/l]	0.00836706[mg/l]
Conc RSD	*0.28245957*	*1.83034583*	*0.40080004*	*3.38227206*	*11.20634828*	*0.68925295*	*12.16807337*
Conc SD	*0.02353230[mg/l]*	*0.00135042[mg/l]*	*0.01252440[mg/l]*	*0.00044034[mg/l]*	*0.00385179[mg/l]*	*0.00058127[mg/l]*	*0.00101811[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	590226	2780.98000000	7859.20000000	775746	24480600	84960.70000000	556448
Int RSD	*2.84513051*	*0.60421866*	*1.59493333*	*0.52183060*	*0.42347410*	*0.29136883*	*0.78246305*
Int SD	*16792.70000000*	*16.80320000*	*125.34900000*	*4048.08000000*	*103669*	*247.54900000*	*4354.00000000*
RelInt Mean	0.02293770	-0.00067467	0.00008148	---	---	---	0.71839400
RelInt RSD	*2.59266186*	*2.25645944*	*4.84071891*	---	---	---	*0.34875430*
RelInt SD	*0.00059470*	*0.00001522*	*0.00000394*	---	---	---	*0.00250543*
Conc Mean	0.20101600[mg/l]	<-0.03159040[mg/l]	0.00833381[mg/l]	770225	24434900	84954.10000000	3.23069000[mg/l]
Conc RSD	*2.59304234*	*2.36430688*	*8.14831392*	---	---	---	*0.34889451*
Conc SD	*0.00521243[mg/l]*	*0.00074689[mg/l]*	*0.00067907[mg/l]*	*4043.62000000*	*103072*	*217.05300000*	*0.01127170[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-67.89660000	463.53400000	245033	13838.20000000	4250.80000000	50149.90000000	
Int RSD	*134.94460695*	*15.99725155*	*0.34981084*	*1.26757815*	*0.62854522*	*0.23335440*	
Int SD	*91.62280000*	*74.15270000*	*857.15200000*	*175.41000000*	*26.71820000*	*117.02700000*	
RelInt Mean	-0.00215417	0.00127015	0.31154200	0.01363000	-0.00021126	0.06071060	
RelInt RSD	*70.68058695*	*77.59115065*	*0.84077267*	*0.98844461*	*31.80179498*	*0.34198311*	
RelInt SD	*0.00152258*	*0.00098552*	*0.00261936*	*0.00013473*	*0.00006718*	*0.00020762*	
Conc Mean	<-0.00182228[mg/l]	<0.00133788[mg/l]	5.10538000[mg/l]	0.47935200[mg/l]	<-0.00092690[mg/l]	6.05862000[mg/l]	
Conc RSD	*312.20119850*	*77.59141328*	*0.84162589*	*1.03623016*	*30.24791320*	*0.34131205*	
Conc SD	*0.00568918[mg/l]*	*0.00103808[mg/l]*	*0.04296820[mg/l]*	*0.00496719[mg/l]*	*0.00028037[mg/l]*	*0.02067880[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-003	Client ID:	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP-WF
Seqnum:	483043992120	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:08
Cal:	483043992001	Caldate:	30-JAN-2023		
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	3.570	180	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	799081	-0.43

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-003,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 20:08:52	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26739.60000000	1392.06000000	2683.06000000	5730.98000000	7824.14000000	19136.60000000	6433.79000000
Int RSD	*0.08035685*	*7.02485525*	*1.87840376*	*0.49644563*	*0.26162875*	*0.72301767*	*0.74223591*
Int SD	*21.48710000*	*97.79020000*	*50.39870000*	*28.45120000*	*20.47020000*	*138.36100000*	*47.75390000*
RelInt Mean	0.00000296	0.01356220	-0.00044831	0.00173177	0.00451484	0.22059700	0.00311214
RelInt RSD	*247.40200270*	*7.00846470*	*7.53665990*	*0.63791381*	*0.44731375*	*0.51858819*	*2.02095343*
RelInt SD	*0.00000732*	*0.00095050*	*0.00003379*	*0.00001105*	*0.00002020*	*0.00114399*	*0.00006289*
Conc Mean	<-0.00082695[mg/l]	0.98592300[mg/l]	<-0.01982220[mg/l]	0.01974760[mg/l]	0.01428700[mg/l]	17.88190000[mg/l]	0.02014980[mg/l]
Conc RSD	*35.57732772*	*11.63569569*	*9.34694434*	*0.67655816*	*0.45072933*	*0.51773637*	*2.07680970*
Conc SD	*0.00029421[mg/l]*	*0.11471900[mg/l]*	*0.00185277[mg/l]*	*0.00013360[mg/l]*	*0.00006440[mg/l]*	*0.09258110[mg/l]*	*0.00041847[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	8151.12000000	238971	19571200	3538.41000000	1222.99000000	901555	3119.71000000
Int RSD	*0.11517399*	*0.39911496*	*0.14764450*	*10.45766319*	*7.35922616*	*0.48900954*	*1.42083078*
Int SD	*9.38797000*	*953.76900000*	*28895.80000000*	*370.03500000*	*90.00260000*	*4408.69000000*	*44.32580000*
RelInt Mean	0.00495264	0.00852186	24.65060000	0.04244230	0.01237950	1.12880000	-0.00017133
RelInt RSD	*0.42333584*	*0.67630775*	*0.58442391*	*9.40092785*	*14.82418514*	*0.45652197*	*17.80685831*
RelInt SD	*0.00002097*	*0.00005763*	*0.14406400*	*0.00398997*	*0.00183516*	*0.00515322*	*0.00003051*
Conc Mean	0.03527270[mg/l]	0.24712600[mg/l]	85.62680000[mg/l]	3.38641000[mg/l]	2.66295000[mg/l]	0.70801400[mg/l]	<-0.00202142[mg/l]
Conc RSD	*0.43735807*	*0.68874178*	*0.58451092*	*9.16117659*	*12.94883494*	*0.45629182*	*11.17739015*
Conc SD	*0.00015427[mg/l]*	*0.00170206[mg/l]*	*0.50049800[mg/l]*	*0.31023500[mg/l]*	*0.34482100[mg/l]*	*0.00323061[mg/l]*	*0.00022594[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	87745.00000000	8614.99000000	85626.40000000	3313.55000000	3181.95000000	6557.97000000	748.56500000
Int RSD	*0.67679184*	*0.06747959*	*1.59204404*	*0.56394803*	*1.06479360*	*0.50076777*	*17.36255369*
Int SD	*593.85100000*	*5.81336000*	*1363.21000000*	*18.68670000*	*33.88120000*	*32.84020000*	*129.97000000*
RelInt Mean	1.00328000	0.00543707	0.10247100	0.00013983	0.00047869	0.00360595	0.00781264
RelInt RSD	*0.40155590*	*0.51168920*	*2.16237765*	*6.45875916*	*1.99736154*	*1.04351142*	*13.99232526*
RelInt SD	*0.00402873*	*0.00002782*	*0.00221581*	*0.00000903*	*0.00000956*	*0.00003763*	*0.00109317*
Conc Mean	8.52714000[mg/l]	0.05668960[mg/l]	3.57007000[mg/l]	0.01069930[mg/l]	0.03609730[mg/l]	0.06939960[mg/l]	0.00873800[mg/l]
Conc RSD	*0.41767228*	*0.53593604*	*2.16095763*	*4.76856430*	*1.99737376*	*1.05209252*	*12.19375143*
Conc SD	*0.03561550[mg/l]*	*0.00030382[mg/l]*	*0.07714770[mg/l]*	*0.00051020[mg/l]*	*0.00072100[mg/l]*	*0.00073015[mg/l]*	*0.00106549[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	509004	2723.29000000	7593.60000000	799081	25120700	86530.30000000	714110
Int RSD	*2.44589433*	*0.43639495*	*1.76104878*	*0.57547983*	*0.76146763*	*0.33636310*	*0.37725701*
Int SD	*12449.70000000*	*11.88430000*	*133.72700000*	*4598.55000000*	*191286*	*291.05600000*	*2694.03000000*
RelInt Mean	0.01912220	-0.00062601	0.00007518	---	---	---	0.89583100
RelInt RSD	*3.26086434*	*3.23810604*	*8.91729293*	---	---	---	*0.40552068*
RelInt SD	*0.00062355*	*0.00002027*	*0.00000670*	---	---	---	*0.00363278*
Conc Mean	0.16757100[mg/l]	<-0.02907700[mg/l]	0.00724977[mg/l]	793661	25074700	86520.40000000	4.02908000[mg/l]
Conc RSD	*3.26180544*	*3.52446951*	*15.92119474*	---	---	---	*0.40558887*
Conc SD	*0.00546584[mg/l]*	*0.00102481[mg/l]*	*0.00115425[mg/l]*	*4596.09000000*	*191319*	*293.50700000*	*0.01634150[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-35.27720000	480.36600000	217998	14743.00000000	4177.58000000	51784.00000000	
Int RSD	*275.45128298*	*12.31735801*	*0.43603015*	*1.18382283*	*0.95184293*	*0.25274409*	
Int SD	*97.17150000*	*59.16840000*	*950.53700000*	*174.53100000*	*39.76400000*	*130.88100000*	
RelInt Mean	-0.00190640	0.00158879	0.26849200	0.01441220	-0.00016737	0.06104150	
RelInt RSD	*35.08586865*	*26.26766281*	*0.37591809*	*1.97810189*	*50.73362211*	*0.77943039*	
RelInt SD	*0.00066888*	*0.00041734*	*0.00100931*	*0.00028509*	*0.00008492*	*0.00047578*	
Conc Mean	<-0.00089648[mg/l]	0.00167351[mg/l]	4.39917000[mg/l]	0.50820000[mg/l]	<-0.00075266[mg/l]	6.09158000[mg/l]	
Conc RSD	*278.78833174*	*26.26790399*	*0.37642783*	*2.06896891*	*46.00494781*	*0.77808056*	
Conc SD	*0.00249929[mg/l]*	*0.00043960[mg/l]*	*0.01655970[mg/l]*	*0.01051450[mg/l]*	*0.00034626[mg/l]*	*0.04739740[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-005	Client ID:	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-WF
Seqnum:	483043992121	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:12
Cal:	483043992001	Caldate:	30-JAN-2023		
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	3.299	160	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	790143	-1.54

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-005,306445 | Sample Type: Unknown Sample

Measure Date: 2023-01-30 20:12:07 | Recalculation Date: | State: Measured | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26278.40000000	1400.15000000	2732.71000000	5522.17000000	8459.88000000	20796.70000000	6326.41000000
Int RSD	*1.12096627*	*7.51433775*	*0.76798855*	*0.66111329*	*0.35122720*	*3.14741762*	*0.94169205*
Int SD	*294.57200000*	*105.21200000*	*20.98690000*	*36.50780000*	*29.71340000*	*654.55900000*	*59.57530000*
RelInt Mean	0.00001264	0.01352660	-0.00047389	0.00151697	0.00541262	0.23861600	0.00306894
RelInt RSD	*72.35883316*	*3.71692073*	*9.64094892*	*3.96832502*	*1.30333739*	*1.12416602*	*1.44390897*
RelInt SD	*0.00000915*	*0.00050277*	*0.00004569*	*0.00006020*	*0.00007054*	*0.00268244*	*0.00004431*
Conc Mean	<-0.00043791[mg/l]	0.98162300[mg/l]	<-0.02124190[mg/l]	0.01715040[mg/l]	0.01718150[mg/l]	19.34040000[mg/l]	0.01989190[mg/l]
Conc RSD	*83.93322829*	*6.18223086*	*11.79409563*	*4.24394766*	*1.31976836*	*1.12253107*	*1.46320362*
Conc SD	*0.00036755[mg/l]*	*0.06068620[mg/l]*	*0.00250529[mg/l]*	*0.00072785[mg/l]*	*0.00022676[mg/l]*	*0.21710200[mg/l]*	*0.00029106[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	10073.90000000	247506	19025800	3861.79000000	1237.12000000	894925	3247.84000000
Int RSD	*0.92181181*	*1.03847583*	*0.28756215*	*9.17874871*	*6.42160825*	*0.32394558*	*0.71078932*
Int SD	*92.86240000*	*2570.29000000*	*54711.00000000*	*354.46400000*	*79.44300000*	*2899.07000000*	*23.08530000*
RelInt Mean	0.00757985	0.00916858	24.23500000	0.04547600	0.01274260	1.13331000	-0.00003309
RelInt RSD	*1.06429151*	*0.36926329*	*0.34011554*	*6.85038262*	*4.30495346*	*0.49930822*	*147.02746321*
RelInt SD	*0.00008067*	*0.00003386*	*0.08242700*	*0.00311528*	*0.00054856*	*0.00565871*	*0.00004865*
Conc Mean	0.05460700[mg/l]	0.26622600[mg/l]	84.18290000[mg/l]	3.62230000[mg/l]	2.73118000[mg/l]	0.71084500[mg/l]	<-0.00099763[mg/l]
Conc RSD	*1.08724339*	*0.37568832*	*0.34007857*	*6.68702206*	*3.77404638*	*0.49930716*	*36.11481989*
Conc SD	*0.00059371[mg/l]*	*0.00100018[mg/l]*	*0.28628800[mg/l]*	*0.24222400[mg/l]*	*0.10307600[mg/l]*	*0.00354930[mg/l]*	*0.00036029[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	90779.70000000	9530.07000000	78557.20000000	3284.69000000	3202.32000000	5746.42000000	788.28500000
Int RSD	*0.85851132*	*0.84379653*	*1.04546369*	*0.66365471*	*0.74839491*	*0.56588276*	*20.50349810*
Int SD	*779.35400000*	*80.41440000*	*821.28700000*	*21.79900000*	*23.96600000*	*32.51800000*	*161.62600000*
RelInt Mean	1.03363000	0.00671953	0.09468350	0.00014617	0.00047785	0.00248294	0.00759787
RelInt RSD	*1.36264427*	*1.16521691*	*0.87090042*	*15.71144163*	*1.82578879*	*0.97478795*	*20.70106490*
RelInt SD	*0.01408470*	*0.00007830*	*0.00082460*	*0.00002297*	*0.00000872*	*0.00002420*	*0.00157284*
Conc Mean	8.79540000[mg/l]	0.07069540[mg/l]	3.29897000[mg/l]	0.01094350[mg/l]	0.03603410[mg/l]	0.04760780[mg/l]	0.00852869[mg/l]
Conc RSD	*1.41545581*	*1.20949736*	*0.87041410*	*11.81980171*	*1.82590935*	*0.98640979*	*17.97509348*
Conc SD	*0.12449500[mg/l]*	*0.00085506[mg/l]*	*0.02871470[mg/l]*	*0.00129350[mg/l]*	*0.00065795[mg/l]*	*0.00046961[mg/l]*	*0.00153304[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	445411	2766.44000000	7331.61000000	790143	24332800	86865.80000000	612333
Int RSD	*3.33465047*	*0.23739138*	*0.99420728*	*0.28828453*	*0.91216794*	*1.85265087*	*0.51275042*
Int SD	*14852.90000000*	*6.56729000*	*72.89140000*	*2277.86000000*	*221956*	*1609.32000000*	*3139.74000000*
RelInt Mean	0.01714110	-0.00067714	0.00007178	---	---	---	0.77635000
RelInt RSD	*2.61626150*	*4.40626103*	*5.97305758*	---	---	---	*0.38440781*
RelInt SD	*0.00044846*	*0.00002984*	*0.00000429*	---	---	---	*0.00298435*
Conc Mean	0.15020700[mg/l]	<-0.03158700[mg/l]	0.00666307[mg/l]	784760	24288000	86877.50000000	3.49146000[mg/l]
Conc RSD	*2.61684875*	*4.70510020*	*11.07596048*	---	---	---	*0.38464138*
Conc SD	*0.00393069[mg/l]*	*0.00148620[mg/l]*	*0.00073800[mg/l]*	*2267.34000000*	*221764*	*1604.98000000*	*0.01342960[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-62.99160000	474.27800000	197752	13889.60000000	4159.21000000	49714.30000000	
Int RSD	*62.45213648*	*17.32186608*	*0.72400279*	*0.84618708*	*0.75206590*	*0.85142907*	
Int SD	*39.33960000*	*82.15380000*	*1431.73000000*	*117.53200000*	*31.28000000*	*423.28200000*	
RelInt Mean	-0.00198852	0.00170879	0.24587400	0.01339450	-0.00011148	0.05902220	
RelInt RSD	*42.27360047*	*68.77849238*	*0.79038857*	*0.86865504*	*13.13428418*	*0.71576627*	
RelInt SD	*0.00084062*	*0.00117528*	*0.00194336*	*0.00011635*	*0.00001464*	*0.00042246*	
Conc Mean	<-0.00120334[mg/l]	<0.00179991[mg/l]	4.02810000[mg/l]	0.47066900[mg/l]	<-0.00051808[mg/l]	5.89043000[mg/l]	
Conc RSD	*261.02348463*	*68.77843892*	*0.79164370*	*0.91158755*	*9.84463669*	*0.71450132*	
Conc SD	*0.00314100[mg/l]*	*0.00123795[mg/l]*	*0.03188820[mg/l]*	*0.00429056[mg/l]*	*0.00005100[mg/l]*	*0.04208720[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-006	Client ID:	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP-WF
Seqnum:	483043992122	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:15
Cal:	483043992001	Caldate:	30-JAN-2023		
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	3.002	150	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	803536	0.12

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-006,306445 | Sample Type: Unknown Sample

Measure Date: 2023-01-30 20:15:24 | Recalculation Date: | State: Measured | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26730.50000000	1277.09000000	2521.24000000	5489.69000000	8519.60000000	22247.10000000	6093.08000000
Int RSD	*1.16874731*	*8.55491782*	*0.82400723*	*1.37392093*	*0.54186464*	*1.31301158*	*0.26947948*
Int SD	*312.41200000*	*109.25400000*	*20.77520000*	*75.42400000*	*46.16470000*	*292.10700000*	*16.41960000*
RelInt Mean	0.00001131	0.01267710	-0.00041080	0.00151131	0.00540744	0.25531000	0.00272301
RelInt RSD	*86.81692358*	*9.03621491*	*5.83099846*	*7.82182345*	*2.06119717*	*1.11710078*	*2.75711070*
RelInt SD	*0.00000982*	*0.00114553*	*0.00002395*	*0.00011821*	*0.00011146*	*0.00285207*	*0.00007508*
Conc Mean	<-0.00049144[mg/l]	0.87909600[mg/l]	<-0.01777840[mg/l]	0.01708200[mg/l]	0.01716270[mg/l]	20.69150000[mg/l]	0.01758610[mg/l]
Conc RSD	*80.27787556*	*15.72740634*	*7.39166629*	*8.36752137*	*2.09018395*	*1.11562236*	*2.85675619*
Conc SD	*0.00039452[mg/l]*	*0.13825900[mg/l]*	*0.00131412[mg/l]*	*0.00142934[mg/l]*	*0.00035873[mg/l]*	*0.23083900[mg/l]*	*0.00050239[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	9707.91000000	224813	17483400	4269.93000000	1080.79000000	816996	3133.33000000
Int RSD	*1.03051017*	*0.63684040*	*0.45867280*	*5.50978587*	*14.59265907*	*0.91948063*	*0.16911656*
Int SD	*100.04100000*	*1431.70000000*	*80191.60000000*	*235.26400000*	*157.71600000*	*7512.12000000*	*5.29898000*
RelInt Mean	0.00698555	0.00805480	21.89430000	0.05051980	0.01064380	1.01662000	0.00004010
RelInt RSD	*1.34424061*	*1.25393554*	*0.13801126*	*4.72404879*	*18.12764238*	*0.61422065*	*99.71621231*
RelInt SD	*0.00009390*	*0.00010100*	*0.03021660*	*0.00238658*	*0.00192947*	*0.00624429*	*0.00003999*
Conc Mean	0.05023340[mg/l]	0.23333200[mg/l]	76.05230000[mg/l]	4.01447000[mg/l]	2.33681000[mg/l]	0.63764800[mg/l]	<-0.00045560[mg/l]
Conc RSD	*1.37565843*	*1.27850016*	*0.13810891*	*4.62242837*	*15.51426945*	*0.61445500*	*65.00115234*
Conc SD	*0.00069104[mg/l]*	*0.00298315[mg/l]*	*0.10503500[mg/l]*	*0.18556600[mg/l]*	*0.36253900[mg/l]*	*0.00391806[mg/l]*	*0.00029614[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	90040.00000000	8758.65000000	72979.90000000	3162.30000000	2972.93000000	5248.92000000	751.95400000
Int RSD	*0.86379165*	*1.26642805*	*0.52964720*	*1.21300319*	*0.93470415*	*0.80033988*	*12.08621804*
Int SD	*777.75800000*	*110.92200000*	*386.53600000*	*38.35880000*	*27.78810000*	*42.00920000*	*90.88280000*
RelInt Mean	1.02591000	0.00565459	0.08614070	0.00009283	0.00037919	0.00233097	0.00793972
RelInt RSD	*0.57740153*	*2.89580677*	*1.16710219*	*36.45784186*	*13.92683840*	*1.51376466*	*13.71446348*
RelInt SD	*0.00592362*	*0.00016375*	*0.00100535*	*0.00003385*	*0.00005281*	*0.00003529*	*0.00108889*
Conc Mean	8.72714000[mg/l]	0.05906510[mg/l]	3.00160000[mg/l]	0.00796165[mg/l]	0.02859410[mg/l]	0.04465870[mg/l]	0.00886187[mg/l]
Conc RSD	*0.59994683*	*3.02767624*	*1.16542178*	*23.98949966*	*13.92678909*	*1.53322869*	*11.97614048*
Conc SD	*0.05235820[mg/l]*	*0.00178830[mg/l]*	*0.03498130[mg/l]*	*0.00190996[mg/l]*	*0.00398224[mg/l]*	*0.00068472[mg/l]*	*0.00106131[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	456722	2576.43000000	7292.72000000	803536	24838500	86846.20000000	535481
Int RSD	*2.62949891*	*0.52660076*	*0.31609468*	*0.58099202*	*1.21841496*	*0.69613984*	*0.21802081*
Int SD	*12009.50000000*	*13.56750000*	*23.05190000*	*4668.48000000*	*302636*	*604.57100000*	*1167.46000000*
RelInt Mean	0.01724010	-0.00055694	0.00006914	---	---	---	0.66709300
RelInt RSD	*4.00658349*	*0.43545758*	*4.84941049*	---	---	---	*0.39779311*
RelInt SD	*0.00069074*	*0.00000243*	*0.00000335*	---	---	---	*0.00265365*
Conc Mean	0.15107400[mg/l]	<-0.02559300[mg/l]	0.00620944[mg/l]	798213	24792700	86842.40000000	2.99985000[mg/l]
Conc RSD	*4.00778426*	*0.45683585*	*9.29777887*	---	---	---	*0.39805657*
Conc SD	*0.00605472[mg/l]*	*0.00011692[mg/l]*	*0.00057734[mg/l]*	*4636.80000000*	*302466*	*591.46400000*	*0.01194110[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-44.11240000	448.70700000	187923	12507.50000000	4115.28000000	54363.50000000	
Int RSD	*238.53837016*	*9.11779847*	*0.76605312*	*0.75722007*	*1.33157404*	*0.40732477*	
Int SD	*105.22500000*	*40.91220000*	*1439.59000000*	*94.70930000*	*54.79800000*	*221.43600000*	
RelInt Mean	-0.00225897	0.00141283	0.22954400	0.01184030	-0.00013366	0.06413590	
RelInt RSD	*26.95330173*	*21.90468775*	*1.19411529*	*1.69401958*	*69.93895003*	*1.07577971*	
RelInt SD	*0.00060887*	*0.00030948*	*0.00274102*	*0.00020058*	*0.00009348*	*0.00068996*	
Conc Mean	<-0.00221387[mg/l]	0.00148816[mg/l]	3.76019000[mg/l]	0.41334600[mg/l]	<-0.00062172[mg/l]	6.39982000[mg/l]	
Conc RSD	*102.76348656*	*21.90463391*	*1.19555661*	*1.78974031*	*61.19941453*	*1.07401614*	
Conc SD	*0.00227505[mg/l]*	*0.00032598[mg/l]*	*0.04495520[mg/l]*	*0.00739782[mg/l]*	*0.00038049[mg/l]*	*0.06873510[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-009	Client ID:	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L-LA
Seqnum:	483043992125	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:25
Cal:	483043992001	Caldate:	30-JAN-2023		
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	5.112	260	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	794580	-0.99

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-009,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 20:25:09	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26308.90000000	3687.03000000	3150.86000000	5602.93000000	10378.70000000	26308.10000000	6040.77000000
Int RSD	*0.59398150*	*3.42204973*	*0.55143675*	*0.37350993*	*0.23621263*	*2.56115037*	*1.09290206*
Int SD	*156.27000000*	*126.17200000*	*17.37500000*	*20.92750000*	*24.51580000*	*673.79000000*	*66.01970000*
RelInt Mean	0.00001857	0.04036100	0.00023881	0.00166138	0.00785551	0.30348500	0.00272465
RelInt RSD	*28.14408235*	*2.89254478*	*14.73676056*	*1.26190877*	*2.14160506*	*1.60683065*	*2.11635256*
RelInt SD	*0.00000523*	*0.00116746*	*0.00003519*	*0.00002097*	*0.00016823*	*0.00487649*	*0.00005766*
Conc Mean	<-0.00019940[mg/l]	4.22044000[mg/l]	0.01784860[mg/l]	0.01889640[mg/l]	0.02506210[mg/l]	24.59060000[mg/l]	0.01731340[mg/l]
Conc RSD	*105.36169231*	*3.33879880*	*10.80555338*	*1.34149891*	*2.15785988*	*1.60499134*	*2.19550175*
Conc SD	*0.00021009[mg/l]*	*0.14091200[mg/l]*	*0.00192864[mg/l]*	*0.00025349[mg/l]*	*0.00054081[mg/l]*	*0.39467700[mg/l]*	*0.00038012[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	9251.22000000	1262610	19932000	5516.54000000	2198.58000000	832405	3380.99000000
Int RSD	*1.18094695*	*0.97364190*	*0.51007927*	*6.66368775*	*5.82025671*	*1.22823626*	*1.83077146*
Int SD	*109.25200000*	*12293.30000000*	*101669*	*367.60500000*	*127.96300000*	*10223.90000000*	*61.89820000*
RelInt Mean	0.00651190	0.05088350	25.24680000	0.06495460	0.02398640	1.04759000	0.00017029
RelInt RSD	*3.17589336*	*0.23721835*	*0.99583314*	*6.05472130*	*7.69982157*	*0.04153209*	*51.24202849*
RelInt SD	*0.00020681*	*0.00012071*	*0.25141600*	*0.00393282*	*0.00184691*	*0.00043509*	*0.00008726*
Conc Mean	0.04674770[mg/l]	1.49823000[mg/l]	87.69790000[mg/l]	5.13683000[mg/l]	4.84385000[mg/l]	0.65707400[mg/l]	<0.00050863[mg/l]
Conc RSD	*3.25566819*	*0.23783865*	*0.99586877*	*5.95295153*	*7.16430112*	*0.04156122*	*127.06108799*
Conc SD	*0.00152195[mg/l]*	*0.00356337[mg/l]*	*0.87335600[mg/l]*	*0.30579300[mg/l]*	*0.34702800[mg/l]*	*0.00027309[mg/l]*	*0.00064627[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	99589.90000000	19316.00000000	120169	3546.90000000	3094.98000000	7482.43000000	1244.94000000
Int RSD	*1.84724555*	*0.86700145*	*0.92621225*	*1.00578815*	*1.06862080*	*0.83008862*	*7.15350137*
Int SD	*1839.67000000*	*167.47000000*	*1113.02000000*	*35.67430000*	*33.07360000*	*62.11080000*	*89.05680000*
RelInt Mean	1.13843000	0.01913420	0.14677200	0.00041644	0.00042144	0.00499108	0.01404800
RelInt RSD	*1.18409564*	*1.85004860*	*0.30310413*	*9.65190747*	*8.97243518*	*0.46084014*	*6.90952449*
RelInt SD	*0.01348010*	*0.00035399*	*0.00044487*	*0.00004019*	*0.00003781*	*0.00002300*	*0.00097065*
Conc Mean	9.72157000[mg/l]	0.20627600[mg/l]	5.11173000[mg/l]	0.02623060[mg/l]	0.03178060[mg/l]	0.09627780[mg/l]	0.01481550[mg/l]
Conc RSD	*1.22557365*	*1.87405709*	*0.30301483*	*8.65077429*	*8.97245489*	*0.46360116*	*6.38535318*
Conc SD	*0.11914500[mg/l]*	*0.00386573[mg/l]*	*0.01548930[mg/l]*	*0.00226915[mg/l]*	*0.00285150[mg/l]*	*0.00044634[mg/l]*	*0.00094602[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	905443	2691.14000000	8496.91000000	794580	24321900	86600.70000000	955961
Int RSD	*2.09551568*	*0.64337790*	*1.48112667*	*1.20738503*	*0.80523726*	*0.96756146*	*0.76896233*
Int SD	*18973.70000000*	*17.31420000*	*125.85000000*	*9593.64000000*	*195849*	*837.91500000*	*7350.98000000*
RelInt Mean	0.03608110	-0.00062209	0.00012078	---	---	---	1.20707000
RelInt RSD	*1.58348277*	*0.27767231*	*1.95472610*	---	---	---	*0.65107409*
RelInt SD	*0.00057134*	*0.00000173*	*0.00000236*	---	---	---	*0.00785892*
Conc Mean	0.31622200[mg/l]	<-0.02926390[mg/l]	0.01509830[mg/l]	789254	24277000	86614.10000000	5.42952000[mg/l]
Conc RSD	*1.58372599*	*0.29697101*	*2.69380659*	---	---	---	*0.65123252*
Conc SD	*0.00500809[mg/l]*	*0.00008691[mg/l]*	*0.00040672[mg/l]*	*9568.96000000*	*195471*	*905.78400000*	*0.03535880[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-146.20400000	517.21400000	432545	16327.00000000	4149.71000000	49437.10000000	
Int RSD	*76.23115647*	*29.65174957*	*0.54717775*	*0.74931096*	*1.73054262*	*0.14138612*	
Int SD	*111.45300000*	*153.36300000*	*2366.79000000*	*122.34000000*	*71.81250000*	*69.89720000*	
RelInt Mean	-0.00251101	0.00212758	0.54147300	0.01664220	-0.00009660	0.05850410	
RelInt RSD	*78.91565545*	*45.10956110*	*0.82728594*	*1.86968670*	*91.70863661*	*1.31953316*	
RelInt SD	*0.00198158*	*0.00095974*	*0.00447953*	*0.00031116*	*0.00008859*	*0.00077198*	
Conc Mean	<-0.00315563[mg/l]	0.00224103[mg/l]	8.87732000[mg/l]	0.59044600[mg/l]	<-0.00059921[mg/l]	5.83882000[mg/l]	
Conc RSD	*234.63587303*	*45.10961478*	*0.82770814*	*1.94342920*	*61.16540500*	*1.31708119*	
Conc SD	*0.00740424[mg/l]*	*0.00101092[mg/l]*	*0.07347830[mg/l]*	*0.01147490[mg/l]*	*0.00036651[mg/l]*	*0.07690200[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-012	Client ID:	AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-L-LA
Seqnum:	483043992126	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:28
Cal:	483043992001	Caldate:	30-JAN-2023		
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	7.908	400	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	800935	-0.20

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-012,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 20:28:25	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26356.40000000	2937.80000000	2498.51000000	4872.36000000	11592.20000000	22363.80000000	4601.31000000
Int RSD	*0.65531711*	*2.55182790*	*1.08633546*	*0.43806492*	*0.97307672*	*0.96065964*	*0.28014196*
Int SD	*172.71800000*	*74.96760000*	*27.14220000*	*21.34410000*	*112.80100000*	*214.84000000*	*12.89020000*
RelInt Mean	-0.00003936	0.03190270	-0.00047399	0.00133705	0.00943041	0.25919200	0.00093427
RelInt RSD	*8.59119286*	*2.51388127*	*10.48484452*	*3.08884484*	*1.70981962*	*0.58267616*	*3.73983836*
RelInt SD	*0.00000338*	*0.00080200*	*0.00004970*	*0.00004130*	*0.00016124*	*0.00151025*	*0.00003494*
Conc Mean	<-0.00252757[mg/l]	3.19956000[mg/l]	<-0.02122660[mg/l]	0.01497490[mg/l]	0.03017180[mg/l]	21.00580000[mg/l]	0.00527361[mg/l]
Conc RSD	*5.37631005*	*3.02518471*	*12.83710062*	*3.33482694*	*1.72699010*	*0.58187739*	*3.82159470*
Conc SD	*0.00013589[mg/l]*	*0.09679260[mg/l]*	*0.00272488[mg/l]*	*0.00049939[mg/l]*	*0.00052106[mg/l]*	*0.12222800[mg/l]*	*0.00020154[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	7134.48000000	90232.40000000	4387520	5026.63000000	1711.33000000	530089	3678.37000000
Int RSD	*0.78138981*	*1.09357725*	*0.39221018*	*4.76703079*	*11.21005300*	*0.73585945*	*1.02792269*
Int SD	*55.74810000*	*986.76100000*	*17208.30000000*	*239.62100000*	*191.84100000*	*3900.71000000*	*37.81080000*
RelInt Mean	0.00438469	0.00271155	5.50754000	0.06001670	0.01833500	0.66012100	-0.00077228
RelInt RSD	*1.44344526*	*1.40691118*	*0.61670909*	*6.08968837*	*9.15762203*	*0.70157592*	*2.89228546*
RelInt SD	*0.00006329*	*0.00003815*	*0.03396550*	*0.00365483*	*0.00167905*	*0.00463125*	*0.00002234*
Conc Mean	0.03109300[mg/l]	0.07552580[mg/l]	19.12960000[mg/l]	4.75289000[mg/l]	3.78196000[mg/l]	0.41401600[mg/l]	<-0.00647213[mg/l]
Conc RSD	*1.49799955*	*1.49176838*	*0.61691306*	*5.97901487*	*8.34189151*	*0.70169510*	*2.55589736*
Conc SD	*0.00046577[mg/l]*	*0.00112667[mg/l]*	*0.11801300[mg/l]*	*0.28417600[mg/l]*	*0.31548700[mg/l]*	*0.00290513[mg/l]*	*0.00016542[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	96919.80000000	7432.85000000	185168	5116.20000000	3009.64000000	4585.69000000	1046.29000000
Int RSD	*0.11826067*	*0.55650793*	*0.20897941*	*0.39389977*	*0.39517019*	*1.51020675*	*11.30317598*
Int SD	*114.61800000*	*41.36440000*	*386.96300000*	*20.15270000*	*11.89320000*	*69.25340000*	*118.26400000*
RelInt Mean	1.11308000	0.00415061	0.22708300	-0.00078158	0.00047549	0.00143602	0.01151990
RelInt RSD	*0.40278776*	*0.21973228*	*0.03970724*	*4.63523888*	*5.24973028*	*5.39245972*	*12.30366583*
RelInt SD	*0.00448335*	*0.00000912*	*0.00009017*	*0.00003623*	*0.00002496*	*0.00007744*	*0.00141737*
Conc Mean	9.49753000[mg/l]	0.04264010[mg/l]	7.90759000[mg/l]	<-0.04123510[mg/l]	0.03585640[mg/l]	0.02729250[mg/l]	0.01235130[mg/l]
Conc RSD	*0.41709792*	*0.23360006*	*0.03967909*	*4.95849410*	*5.24977410*	*5.50565174*	*11.18497648*
Conc SD	*0.03961400[mg/l]*	*0.00009961[mg/l]*	*0.00313766[mg/l]*	*0.00204464[mg/l]*	*0.00188238[mg/l]*	*0.00150263[mg/l]*	*0.00138149[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	1104270	2631.95000000	7912.04000000	800935	24637400	86217.10000000	41269100
Int RSD	*7.33894790*	*0.19600714*	*1.37364068*	*0.22919213*	*0.31413461*	*0.30585928*	*0.63360238*
Int SD	*81041.80000000*	*5.15881000*	*108.68300000*	*1835.68000000*	*77394.60000000*	*263.70300000*	*261482*
RelInt Mean	0.04363620	-0.00055440	0.00011665	---	---	---	51.84600000
RelInt RSD	*7.56534712*	*3.16857382*	*4.42148038*	---	---	---	*0.70309185*
RelInt SD	*0.00330123*	*0.00001757*	*0.00000516*	---	---	---	*0.36452500*
Conc Mean	0.38244600[mg/l]	<-0.02603520[mg/l]	0.01439000[mg/l]	795748	24593600	86231.50000000	>233.28200000[mg/l]
Conc RSD	*7.56606161*	*3.22570213*	*6.17014593*	---	---	---	*0.70306325*
Conc SD	*0.02893610[mg/l]*	*0.00083982[mg/l]*	*0.00088788[mg/l]*	*1801.04000000*	*77486.90000000*	*233.35800000*	*1.64012000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-93.57250000	436.86700000	394645	17852.00000000	4181.04000000	48968.20000000	
Int RSD	*87.08552192*	*17.61636837*	*0.35778484*	*0.86595339*	*0.23588102*	*0.34249166*	
Int SD	*81.48810000*	*76.96010000*	*1411.98000000*	*154.59000000*	*9.86228000*	*167.71200000*	
RelInt Mean	-0.00198022	0.00143226	0.48923100	0.01854830	0.00036269	0.05753170	
RelInt RSD	*88.76033976*	*48.59229470*	*0.58607897*	*0.65694430*	*15.88623248*	*0.11533815*	
RelInt SD	*0.00175765*	*0.00069597*	*0.00286728*	*0.00012185*	*0.00005762*	*0.00006636*	
Conc Mean	<-0.00117234[mg/l]	<0.00150864[mg/l]	8.02045000[mg/l]	0.66074700[mg/l]	0.00142803[mg/l]	5.74196000[mg/l]	
Conc RSD	*560.20523056*	*48.59204316*	*0.58654440*	*0.68031486*	*16.61078549*	*0.11521379*	
Conc SD	*0.00656751[mg/l]*	*0.00073308[mg/l]*	*0.04704350[mg/l]*	*0.00449516[mg/l]*	*0.00023721[mg/l]*	*0.00661553[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	478371-014	Client ID:	AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-L-WF
Seqnum:	483043992127	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 20:31
Cal:	483043992001	Caldate:	30-JAN-2023		
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	4.493	220	0.25		**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	802542	793082	-1.18

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 478371-014,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 20:31:42	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	25256.50000000	1599.27000000	2658.26000000	5192.17000000	8330.76000000	19851.90000000	5484.88000000
Int RSD	*0.61818146*	*8.81270830*	*1.39223778*	*0.36639594*	*1.97426165*	*0.50638982*	*0.32385029*
Int SD	*156.13100000*	*140.93900000*	*37.00930000*	*19.02390000*	*164.47100000*	*100.52800000*	*17.76280000*
RelInt Mean	0.00001556	0.01611740	-0.00054038	0.00151353	0.00551365	0.22565000	0.00223618
RelInt RSD	*27.39949103*	*6.91314976*	*9.21379691*	*2.05677456*	*4.03509472*	*0.35307334*	*0.57885322*
RelInt SD	*0.00000426*	*0.00111422*	*0.00004979*	*0.00003113*	*0.00022248*	*0.00079671*	*0.00001294*
Conc Mean	<-0.00032050[mg/l]	1.29434000[mg/l]	<-0.02486470[mg/l]	0.01710880[mg/l]	0.01751320[mg/l]	18.29100000[mg/l]	0.01428770[mg/l]
Conc RSD	*53.46290293*	*10.38992846*	*10.98163260*	*2.19993804*	*4.09315259*	*0.35269477*	*0.53464658*
Conc SD	*0.00017135[mg/l]*	*0.13448100[mg/l]*	*0.00273055[mg/l]*	*0.00037638[mg/l]*	*0.00071684[mg/l]*	*0.06451140[mg/l]*	*0.00007639[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	6929.00000000	254341	13384800	3829.58000000	1209.06000000	682185	2914.57000000
Int RSD	*0.72395439*	*0.61538250*	*0.22453604*	*9.12295865*	*10.78077184*	*0.12587201*	*1.48451058*
Int SD	*50.16280000*	*1565.17000000*	*30053.70000000*	*349.37100000*	*130.34600000*	*858.68000000*	*43.26710000*
RelInt Mean	0.00394560	0.00944346	16.97870000	0.04528600	0.01217730	0.85928900	-0.00023874
RelInt RSD	*1.02833283*	*0.25535556*	*0.07825393*	*7.30375834*	*8.07702857*	*0.12461465*	*23.39131855*
RelInt SD	*0.00004057*	*0.00002411*	*0.01328650*	*0.00330758*	*0.00098356*	*0.00107080*	*0.00005584*
Conc Mean	0.02786160[mg/l]	0.27434500[mg/l]	58.97700000[mg/l]	3.60752000[mg/l]	2.62496000[mg/l]	0.53895300[mg/l]	<-0.00252069[mg/l]
Conc RSD	*1.07183722*	*0.25974302*	*0.07821507*	*7.12894177*	*7.04045014*	*0.12461532*	*16.40757094*
Conc SD	*0.00029863[mg/l]*	*0.00071259[mg/l]*	*0.04612890[mg/l]*	*0.25717800[mg/l]*	*0.18480900[mg/l]*	*0.00067162[mg/l]*	*0.00041358[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	93112.80000000	8325.97000000	105772	3122.08000000	3157.92000000	6727.59000000	822.23100000
Int RSD	*0.20081557*	*0.37293432*	*0.32947472*	*0.54869510*	*1.93064105*	*0.56571670*	*18.27527787*
Int SD	*186.98500000*	*31.05040000*	*348.49200000*	*17.13070000*	*60.96810000*	*38.05910000*	*150.26500000*
RelInt Mean	1.04997000	0.00546662	0.12899500	0.00010998	0.00054559	0.00365220	0.00852810
RelInt RSD	*0.68510719*	*0.88994845*	*0.57068956*	*27.29579821*	*17.08920386*	*1.32632386*	*14.57100644*
RelInt SD	*0.00719342*	*0.00004865*	*0.00073616*	*0.00003002*	*0.00009324*	*0.00004844*	*0.00124263*
Conc Mean	8.93978000[mg/l]	0.05701240[mg/l]	4.49333000[mg/l]	0.00905961[mg/l]	0.04114250[mg/l]	0.07029700[mg/l]	0.00943536[mg/l]
Conc RSD	*0.71110363*	*0.93186570*	*0.57010057*	*18.70246070*	*17.08911709*	*1.33708551*	*12.83650014*
Conc SD	*0.06357110[mg/l]*	*0.00053128[mg/l]*	*0.02561650[mg/l]*	*0.00169437[mg/l]*	*0.00703089[mg/l]*	*0.00093993[mg/l]*	*0.00121117[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	539118	2731.66000000	7073.82000000	793082	24459800	87700.50000000	815752
Int RSD	*3.57135173*	*0.16745459*	*2.25453857*	*0.25217821*	*0.71286356*	*0.69322638*	*0.17802592*
Int SD	*19253.80000000*	*4.57429000*	*159.48200000*	*1999.98000000*	*174365*	*607.96300000*	*1452.25000000*
RelInt Mean	0.02092780	-0.00070828	0.00008051	---	---	---	1.03138000
RelInt RSD	*3.14145300*	*4.45001038*	*6.33458366*	---	---	---	*0.23876263*
RelInt SD	*0.00065744*	*0.00003152*	*0.00000510*	---	---	---	*0.00246255*
Conc Mean	0.18339800[mg/l]	<-0.03322040[mg/l]	0.00816775[mg/l]	787979	24415800	87728.90000000	4.63900000[mg/l]
Conc RSD	*3.14199719*	*4.77363307*	*10.75107588*	---	---	---	*0.23928002*
Conc SD	*0.00576236[mg/l]*	*0.00158582[mg/l]*	*0.00087812[mg/l]*	*1960.59000000*	*174226*	*670.79400000*	*0.01110020[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-108.39300000	495.97300000	223762	15110.90000000	3899.00000000	47091.20000000	
Int RSD	*31.11169540*	*3.08702288*	*0.86475809*	*0.36816338*	*0.55827392*	*0.51962787*	
Int SD	*33.72290000*	*15.31080000*	*1935.00000000*	*55.63280000*	*21.76710000*	*244.69900000*	
RelInt Mean	-0.00248332	0.00155979	0.27827400	0.01486440	-0.00005120	0.05547710	
RelInt RSD	*31.84921798*	*4.00380820*	*0.67118739*	*0.15806087*	*74.54099052*	*0.38133031*	
RelInt SD	*0.00079092*	*0.00006245*	*0.00186774*	*0.00002349*	*0.00003816*	*0.00021155*	
Conc Mean	<-0.00305218[mg/l]	0.00164296[mg/l]	4.55964000[mg/l]	0.52488000[mg/l]	<-0.00025747[mg/l]	5.53728000[mg/l]	
Conc RSD	*96.82587528*	*4.00369455*	*0.67196972*	*0.16489941*	*59.62582630*	*0.38060383*	
Conc SD	*0.00295530[mg/l]*	*0.00006578[mg/l]*	*0.03063940[mg/l]*	*0.00086552[mg/l]*	*0.00015352[mg/l]*	*0.02107510[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1042048		
Seqnum:	483043992105.4	Matrix:	Wipe		
File:	met06_master011	Batch:	306445	Time:	30-JAN-2023 19:20
Cal:	483043992001	Caldate:	30-JAN-2023		
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	0.003170	ND	0.25	u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	802542	807723	0.65

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BLANK,QC1042048,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:20:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26585.70000000	641.19200000	1607.35000000	3817.81000000	3916.02000000	63.24950000	3613.05000000
Int RSD	*1.59597453*	*16.66505508*	*1.98575295*	*0.94421671*	*1.10963938*	*198.79682843*	*0.48733895*
Int SD	*424.30100000*	*106.85500000*	*31.91800000*	*36.04840000*	*43.45370000*	*125.73800000*	*17.60780000*
RelInt Mean	0.00001923	0.00685511	-0.00014973	0.00023734	0.00021423	-0.00034931	0.00005308
RelInt RSD	*31.61085691*	*11.04085857*	*8.35739952*	*17.89462375*	*25.86182270*	*289.94145518*	*56.31826625*
RelInt SD	*0.00000608*	*0.00075686*	*0.00001251*	*0.00004247*	*0.00005540*	*0.00101278*	*0.00002990*
Conc Mean	<-0.00017296[mg/l]	<0.17640500[mg/l]	<-0.00341711[mg/l]	<0.00167804[mg/l]	<0.00039184[mg/l]	<-0.00047163[mg/l]	<0.00004859[mg/l]
Conc RSD	*141.26367400*	*51.78469998*	*20.08761790*	*30.60290577*	*45.96234139*	*17380.06034353*	*403.91497523*
Conc SD	*0.00024432[mg/l]*	*0.09135080[mg/l]*	*0.00068642[mg/l]*	*0.00051353[mg/l]*	*0.00018010[mg/l]*	*0.08197010[mg/l]*	*0.00019627[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	3681.38000000	28668.90000000	22966.50000000	-269.41100000	-66.29840000	6547.35000000	2455.43000000
Int RSD	*0.56813206*	*1.06993990*	*8.86186402*	*20.59010211*	*84.50716759*	*1.30039023*	*1.65562447*
Int SD	*20.91510000*	*306.74000000*	*2035.26000000*	*55.47200000*	*56.02690000*	*85.14110000*	*40.65270000*
RelInt Mean	0.00016551	0.00017940	0.02315440	-0.00165464	-0.00232056	0.00270017	0.00026313
RelInt RSD	*32.27425153*	*2.64310877*	*11.38880731*	*35.48923029*	*59.41324508*	*3.76298529*	*18.93803729*
RelInt SD	*0.00005342*	*0.00000474*	*0.00263701*	*0.00058722*	*0.00137872*	*0.00010161*	*0.00004983*
Conc Mean	<0.00004297[mg/l]	<0.00074179[mg/l]	0.07850000[mg/l]	<-0.04230500[mg/l]	<-0.09915500[mg/l]	0.00161913[mg/l]	<0.00119614[mg/l]
Conc RSD	*914.87480014*	*18.87846511*	*11.66887898*	*107.92743175*	*261.26569512*	*3.93637324*	*30.85332821*
Conc SD	*0.00039310[mg/l]*	*0.00014004[mg/l]*	*0.00916007[mg/l]*	*0.04565870[mg/l]*	*0.25905800[mg/l]*	*0.00006373[mg/l]*	*0.00036905[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	1672.44000000	4103.14000000	3801.34000000	2554.48000000	1848.95000000	2664.87000000	-58.69950000
Int RSD	*8.99207146*	*0.69401970*	*0.70371238*	*0.37082263*	*0.93328646*	*0.00790706*	*42.58349730*
Int SD	*150.38700000*	*28.47660000*	*26.75050000*	*9.47259000*	*17.25600000*	*0.21071300*	*24.99630000*
RelInt Mean	0.01033450	0.00036680	0.00000280	0.00008406	0.00005360	0.00131740	-0.00125809
RelInt RSD	*8.06485074*	*6.00083970*	*1889.50743504*	*29.85799243*	*55.12231888*	*0.93796114*	*57.86772012*
RelInt SD	*0.00083346*	*0.00002201*	*0.00005295*	*0.00002510*	*0.00002955*	*0.00001236*	*0.00072803*
Conc Mean	<-0.24799200[mg/l]	<0.00131697[mg/l]	<0.00316967[mg/l]	0.00776125[mg/l]	<0.00404204[mg/l]	0.02499070[mg/l]	<-0.00010301[mg/l]
Conc RSD	*2.96991032*	*18.25227606*	*58.07008301*	*18.21137059*	*55.12216603*	*0.95928485*	*688.83538971*
Conc SD	*0.00736514[mg/l]*	*0.00024038[mg/l]*	*0.00184063[mg/l]*	*0.00141343[mg/l]*	*0.00222806[mg/l]*	*0.00023973[mg/l]*	*0.00070959[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	49495.50000000	1669.38000000	5967.57000000	807723	25706000	86714.10000000	4307.92000000
Int RSD	*17.72039882*	*0.30621668*	*2.10645204*	*0.39159960*	*0.63604606*	*0.51341247*	*1.01944094*
Int SD	*8770.80000000*	*5.11192000*	*125.70400000*	*3163.04000000*	*163502*	*445.20100000*	*43.91670000*
RelInt Mean	0.00079723	-0.00013140	0.00003520	---	---	---	0.00243457
RelInt RSD	*45.23131882*	*2.16575090*	*5.32965675*	---	---	---	*3.27251219*
RelInt SD	*0.00036060*	*0.00000285*	*0.00000188*	---	---	---	*0.00007967*
Conc Mean	0.00694649[mg/l]	<-0.00400090[mg/l]	<0.00036478[mg/l]	802835	25661300	86706.00000000	0.00920811[mg/l]
Conc RSD	*45.50182898*	*3.73256017*	*88.55888876*	---	---	---	*3.89528361*
Conc SD	*0.00316078[mg/l]*	*0.00014934[mg/l]*	*0.00032305[mg/l]*	*3144.55000000*	*163124*	*522.68100000*	*0.00035868[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-115.59900000	449.91900000	5038.96000000	2694.26000000	3664.82000000	2140.09000000	
Int RSD	*21.70087977*	*3.46251214*	*0.57739097*	*0.88799893*	*1.51287376*	*2.04395142*	
Int SD	*25.08600000*	*15.57850000*	*29.09450000*	*23.92500000*	*55.44410000*	*43.74240000*	
RelInt Mean	-0.00238026	0.00113158	0.00147120	0.00124269	0.00017205	0.00016129	
RelInt RSD	*10.29127070*	*66.20654306*	*2.18249048*	*1.67800497*	*25.70917080*	*35.19058838*	
RelInt SD	*0.00024496*	*0.00074918*	*0.00003211*	*0.00002085*	*0.00004423*	*0.00005676*	
Conc Mean	<-0.00266708[mg/l]	<0.00119192[mg/l]	0.01865330[mg/l]	0.02249400[mg/l]	<0.00058077[mg/l]	0.02703240[mg/l]	
Conc RSD	*34.31813069*	*66.20687630*	*2.83239427*	*3.41923180*	*30.91844834*	*20.91564197*	
Conc SD	*0.00091529[mg/l]*	*0.00078913[mg/l]*	*0.00052834[mg/l]*	*0.00076912[mg/l]*	*0.00017957[mg/l]*	*0.00565400[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 478371 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	483043992106.4	Seqnum:	483043992107.4
File:	met06_master011	File:	met06_master011
IDF:	1.0	IDF:	1.0
Lab ID:	QC1042049	Lab ID:	QC1042050
Matrix:	Wipe	Matrix:	Wipe
Batch:	306445	Batch:	306445
Time:	30-JAN-2023 19:23	Time:	30-JAN-2023 19:26
Cal:	483043992001	Cal:	483043992001
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	1.059	52.93	A	106	1.030	51.48	A	103	80-120	3	20	**<a+** u **b***

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	802542	796787	-0.72

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	802542	793846	-1.08

+=high bias <=opening a=ICSA b=noncompliant u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BS,QC1042049,306445				Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:23:18	Recalculation Date:	State: Measured	Quality: Drifted	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	305027	742.55700000	15258.50000000	60815.10000000	267351	234.03600000	133711
Int RSD	*0.92592131*	*7.97607456*	*0.44002818*	*0.34753869*	*0.16951199*	*59.06228102*	*0.08198578*
Int SD	*2824.31000000*	*59.22690000*	*67.14170000*	*211.35600000*	*453.19200000*	*138.22700000*	*109.62400000*
RelInt Mean	0.01113150	0.00697868	0.01695400	0.07206400	0.33256000	0.00161972	0.16385800
RelInt RSD	*0.50423752*	*11.62545066*	*0.41234458*	*1.01054618*	*0.59451528*	*65.16311461*	*0.56532791*
RelInt SD	*0.00005613*	*0.00081130*	*0.00006991*	*0.00072824*	*0.00197712*	*0.00105546*	*0.00092634*
Conc Mean	0.44641600[mg/l]	<0.19131900[mg/l]	0.93360600[mg/l]	0.87015300[mg/l]	1.06943000[mg/l]	0.15889300[mg/l]	1.08944000[mg/l]
Conc RSD	*0.50538959*	*51.18231854*	*0.41011305*	*1.01191630*	*0.59474954*	*53.76202853*	*0.56785872*
Conc SD	*0.00225614[mg/l]*	*0.09792150[mg/l]*	*0.00382884[mg/l]*	*0.00880522[mg/l]*	*0.00636043[mg/l]*	*0.08542410[mg/l]*	*0.00618648[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	116594	875262	272770	4140.85000000	148.09100000	1417430	114957
Int RSD	*0.74429044*	*0.94681364*	*0.39237086*	*3.56762500*	*40.64264540*	*0.28735669*	*0.15623494*
Int SD	*867.79800000*	*8287.10000000*	*1070.27000000*	*147.73000000*	*60.18810000*	*4073.08000000*	*179.60300000*
RelInt Mean	0.14233400	0.03401070	0.33871300	0.04904650	-0.00046300	1.78414000	0.14211700
RelInt RSD	*0.73546026*	*0.44904104*	*0.88113240*	*3.20915866*	*100.52246672*	*0.60483482*	*0.49327596*
RelInt SD	*0.00104681*	*0.00015272*	*0.00298451*	*0.00157398*	*0.00046542*	*0.01079110*	*0.00070103*
Conc Mean	1.04630000[mg/l]	0.99990900[mg/l]	1.17466000[mg/l]	3.89992000[mg/l]	0.24987700[mg/l]	1.11911000[mg/l]	1.05178000[mg/l]
Conc RSD	*0.73615120*	*0.45136607*	*0.88228083*	*3.13819258*	*34.99737871*	*0.60446158*	*0.49361749*
Conc SD	*0.00770235[mg/l]*	*0.00451325[mg/l]*	*0.01036380[mg/l]*	*0.12238700[mg/l]*	*0.08745040[mg/l]*	*0.00676459[mg/l]*	*0.00519177[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	9585.04000000	80899.60000000	28055.40000000	15909.40000000	10439.10000000	2768.31000000	96858.30000000
Int RSD	*0.36526921*	*0.33986942*	*0.17312175*	*0.10146391*	*0.91081798*	*0.69330386*	*0.77319032*
Int SD	*35.01120000*	*274.95300000*	*48.57000000*	*16.14230000*	*95.08120000*	*19.19280000*	*748.89900000*
RelInt Mean	0.09995410	0.09691570	0.03032130	0.01674590	0.01075110	0.00129119	1.11371000
RelInt RSD	*0.53522467*	*0.39633310*	*0.73810819*	*0.68220281*	*0.51600952*	*1.47334629*	*0.28293990*
RelInt SD	*0.00053498*	*0.00038411*	*0.00022380*	*0.00011424*	*0.00005548*	*0.00001902*	*0.00315113*
Conc Mean	0.54402200[mg/l]	1.05573000[mg/l]	1.05858000[mg/l]	0.94119700[mg/l]	0.81072800[mg/l]	0.02448200[mg/l]	1.08663000[mg/l]
Conc RSD	*0.86942256*	*0.39725498*	*0.73687298*	*0.68124633*	*0.51591286*	*1.50767503*	*0.28268868*
Conc SD	*0.00472985[mg/l]*	*0.00419394[mg/l]*	*0.00780039[mg/l]*	*0.00641187[mg/l]*	*0.00418265[mg/l]*	*0.00036911[mg/l]*	*0.00307178[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	2950770	19173.10000000	146540	796787	24973800	86901.40000000	184154
Int RSD	*1.66390129*	*0.26269774*	*1.42267640*	*0.64942952*	*0.71843292*	*0.48833506*	*0.20589126*
Int SD	*49097.90000000*	*50.36730000*	*2084.79000000*	*5174.57000000*	*179420*	*424.37000000*	*379.15700000*
RelInt Mean	0.11698600	0.02174220	0.00565447	---	---	---	0.22918500
RelInt RSD	*1.17190091*	*0.50919870*	*0.99386503*	---	---	---	*0.50934398*
RelInt SD	*0.00137096*	*0.00011071*	*0.00005620*	---	---	---	*0.00116734*
Conc Mean	1.02538000[mg/l]	1.08202000[mg/l]	0.96734900[mg/l]	791744	24928900	86864.40000000	1.02896000[mg/l]
Conc RSD	*1.17164368*	*0.51129554*	*1.00030289*	---	---	---	*0.51008397*
Conc SD	*0.01201380[mg/l]*	*0.00553232[mg/l]*	*0.00967642[mg/l]*	*5163.64000000*	*179477*	*487.38300000*	*0.00524856[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22119.30000000	58398.60000000	219183	3279.85000000	183719	2346.92000000	
Int RSD	*0.55172632*	*1.10301617*	*0.37021347*	*0.58791103*	*0.34724715*	*1.50875616*	
Int SD	*122.03800000*	*644.14600000*	*811.44500000*	*19.28260000*	*637.95900000*	*35.40930000*	
RelInt Mean	0.25283100	0.66494200	0.27149300	0.00183781	0.22693500	0.00028745	
RelInt RSD	*0.85212256*	*0.83078073*	*0.89322745*	*0.84858065*	*0.56503404*	*18.78862832*	
RelInt SD	*0.00215443*	*0.00552421*	*0.00242505*	*0.00001560*	*0.00128226*	*0.00005401*	
Conc Mean	0.95093700[mg/l]	0.70039900[mg/l]	4.42467000[mg/l]	0.04444310[mg/l]	0.92789300[mg/l]	0.03959990[mg/l]	
Conc RSD	*0.84654609*	*0.83080644*	*0.89672450*	*1.29406140*	*0.56572794*	*13.58591815*	
Conc SD	*0.00805012[mg/l]*	*0.00581896[mg/l]*	*0.03967710[mg/l]*	*0.00057512[mg/l]*	*0.00524935[mg/l]*	*0.00538001[mg/l]*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BSD,QC1042050,306445			Sample Type: Unknown Sample
Measure Date: 2023-01-30 19:26:34	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	296210	689.27600000	14877.30000000	59306.80000000	261971	156.66200000	130390
Int RSD	*1.65610884*	*9.27770588*	*0.29254771*	*0.44622876*	*0.92633154*	*25.82910980*	*0.96373955*
Int SD	*4905.56000000*	*63.94900000*	*43.52320000*	*264.64400000*	*2426.72000000*	*40.46440000*	*1256.62000000*
RelInt Mean	0.01093020	0.00731673	0.01650950	0.07041490	0.32698900	0.00135456	0.16026100
RelInt RSD	*1.25196245*	*5.31368521*	*1.30808928*	*0.69115201*	*0.19273309*	*6.34799492*	*0.17361055*
RelInt SD	*0.00013684*	*0.00038879*	*0.00021596*	*0.00048667*	*0.00063022*	*0.00008599*	*0.00027823*
Conc Mean	0.43832600[mg/l]	0.23212100[mg/l]	0.90924400[mg/l]	0.85021300[mg/l]	1.05149000[mg/l]	0.13743200[mg/l]	1.06550000[mg/l]
Conc RSD	*1.25449323*	*20.21600803*	*1.30222471*	*0.69207716*	*0.19181923*	*5.06400256*	*0.17254716*
Conc SD	*0.00549877[mg/l]*	*0.04692560[mg/l]*	*0.01184040[mg/l]*	*0.00588413[mg/l]*	*0.00201696[mg/l]*	*0.00695956[mg/l]*	*0.00183849[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	114550	853008	266881	4028.12000000	92.91910000	1382270	113022
Int RSD	*0.84643562*	*1.52693761*	*1.18176266*	*4.81653973*	*40.93948392*	*0.75250132*	*0.52830334*
Int SD	*969.59200000*	*13024.90000000*	*3153.90000000*	*194.01600000*	*38.04060000*	*10401.60000000*	*597.09900000*
RelInt Mean	0.14027000	0.03359440	0.33252400	0.04849500	-0.00043346	1.74622000	0.14017800
RelInt RSD	*0.29189706*	*1.15853535*	*0.17615691*	*4.93877719*	*110.95925806*	*0.71090126*	*0.60210090*
RelInt SD	*0.00040944*	*0.00038920*	*0.00058576*	*0.00239506*	*0.00048096*	*0.01241390*	*0.00084401*
Conc Mean	1.03111000[mg/l]	0.98761100[mg/l]	1.15316000[mg/l]	3.85703000[mg/l]	0.25542600[mg/l]	1.09532000[mg/l]	1.03741000[mg/l]
Conc RSD	*0.29272532*	*1.16354516*	*0.17638229*	*4.82830053*	*35.38093225*	*0.71093653*	*0.60300074*
Conc SD	*0.00301832[mg/l]*	*0.01149130[mg/l]*	*0.00203397[mg/l]*	*0.18622900[mg/l]*	*0.09037210[mg/l]*	*0.00778703[mg/l]*	*0.00625559[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	9727.27000000	79353.90000000	27291.00000000	15798.60000000	10194.60000000	2835.17000000	94814.20000000
Int RSD	*1.61853223*	*0.83423121*	*0.88623722*	*0.28167876*	*0.42991486*	*0.98951033*	*0.51463177*
Int SD	*157.43900000*	*661.99500000*	*241.86300000*	*44.50130000*	*43.82810000*	*28.05430000*	*487.94400000*
RelInt Mean	0.10351700	0.09532100	0.02949100	0.01668360	0.01049480	0.00140143	1.10219000
RelInt RSD	*1.79398553*	*0.28947766*	*0.35946221*	*0.81456041*	*0.54653924*	*2.01634045*	*0.38437112*
RelInt SD	*0.00185708*	*0.00027593*	*0.00010601*	*0.00013590*	*0.00005736*	*0.00002826*	*0.00423650*
Conc Mean	0.57551200[mg/l]	1.03831000[mg/l]	1.02967000[mg/l]	0.93777700[mg/l]	0.79139800[mg/l]	0.02662120[mg/l]	1.07540000[mg/l]
Conc RSD	*2.85222550*	*0.29028325*	*0.35916362*	*0.81530364*	*0.54683990*	*2.05967800*	*0.38370653*
Conc SD	*0.01641490[mg/l]*	*0.00301404[mg/l]*	*0.00369820[mg/l]*	*0.00764573[mg/l]*	*0.00432768[mg/l]*	*0.00054831[mg/l]*	*0.00412638[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	2874900	18771.40000000	142955	793846	24629600	85938.20000000	180189
Int RSD	*1.31985460*	*0.35095091*	*1.83673883*	*1.09098742*	*0.98026765*	*0.17186769*	*0.99301289*
Int SD	*37944.50000000*	*65.87840000*	*2625.71000000*	*8660.76000000*	*241436*	*147.70000000*	*1789.30000000*
RelInt Mean	0.11554800	0.02128090	0.00558761	---	---	---	0.22505100
RelInt RSD	*0.70832987*	*1.47742812*	*1.50630950*	---	---	---	*0.30293578*
RelInt SD	*0.00081846*	*0.00031441*	*0.00008417*	---	---	---	*0.00068176*
Conc Mean	1.01278000[mg/l]	1.05908000[mg/l]	0.95584300[mg/l]	788815	24584800	85955.60000000	1.01036000[mg/l]
Conc RSD	*0.70862774*	*1.47883068*	*1.51585564*	---	---	---	*0.30379271*
Conc SD	*0.00717684[mg/l]*	*0.01566200[mg/l]*	*0.01448920[mg/l]*	*8669.48000000*	*241133*	*125.92900000*	*0.00306940[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21545.40000000	56750.20000000	215182	3318.40000000	178939	2411.70000000	
Int RSD	*0.09353737*	*0.35745953*	*1.24222751*	*4.74373192*	*1.10279481*	*0.28840196*	
Int SD	*20.15300000*	*202.85900000*	*2673.05000000*	*157.41600000*	*1973.33000000*	*6.95539000*	
RelInt Mean	0.24956100	0.65310600	0.26743000	0.00189484	0.22165700	0.00038619	
RelInt RSD	*0.28125028*	*0.61256060*	*0.30251169*	*9.49130270*	*0.27963701*	*5.00450553*	
RelInt SD	*0.00070189*	*0.00400067*	*0.00080901*	*0.00017985*	*0.00061984*	*0.00001933*	
Conc Mean	0.93871800[mg/l]	0.68793100[mg/l]	4.35835000[mg/l]	0.04654640[mg/l]	0.90632000[mg/l]	0.04943580[mg/l]	
Conc RSD	*0.27943429*	*0.61248003*	*0.30455103*	*14.25027499*	*0.27897762*	*3.89434378*	
Conc SD	*0.00262310[mg/l]*	*0.00421344[mg/l]*	*0.01327340[mg/l]*	*0.00663299[mg/l]*	*0.00252843[mg/l]*	*0.00192520[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 478371 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483043992001	Date:	30-JAN-2023 13:20
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483043992003	L1	30-JAN-2023 13:23	S17856, S13369 (100X)
L2	met06_master011	483043992004	L2	30-JAN-2023 13:26	S17855, S13369 (100X)
L3	met06_master011	483043992005	L3	30-JAN-2023 13:29	S17854, S13369 (100X)
L4	met06_master011	483043992006	L4	30-JAN-2023 13:33	S17853, S13369 (100X)
L5	met06_master011	483043992007	L5	30-JAN-2023 13:36	S17852, S13369 (100X)
L6	met06_master011	483043992008	L6	30-JAN-2023 13:39	S17851, S13369 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00309	34.8131		0.0240	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	0.0232	0.0329	0.0310	0.0288	0.0287

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-10	0.0100	12	0.1000	18	1.0000	8	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	483043992001	Cal Date:	30-JAN-2023

- ICV 483043992011 (30-JAN-2023) stds: S17901, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.047	mg/l	5	10	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:20:05	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28289.70000000	540.68600000	1716.50000000	4047.55000000	4164.93000000	-2.17958000	3958.52000000
Int RSD	*2.00962895*	*7.19410157*	*0.44944072*	*0.89349359*	*0.68866223*	*1430.88117894*	*1.46582309*
Int SD	*568.51800000*	*38.89750000*	*7.71465000*	*36.16460000*	*28.68230000*	*31.18720000*	*58.02490000*
RelInt Mean	0.00002354	0.00541018	-0.00008832	0.00010090	0.00008273	-0.00034347	0.00003644
RelInt RSD	*9.17958327*	*2.99078774*	*33.65704037*	*37.51377547*	*39.75214893*	*230.59100292*	*125.13673949*
RelInt SD	*0.00000216*	*0.00016181*	*0.00002973*	*0.00003785*	*0.00003289*	*0.00079200*	*0.00004560*

	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	3970.48000000	29729.60000000	5182.62000000	-255.11900000	-56.52830000	4686.71000000	2465.60000000
Int RSD	*0.52091687*	*1.76379433*	*1.05633637*	*20.04919273*	*297.94987643*	*0.25014349*	*3.33582090*
Int SD	*20.68290000*	*524.36900000*	*54.74590000*	*51.14930000*	*168.42600000*	*11.72350000*	*82.24800000*
RelInt Mean	0.00014967	0.00015618	0.00050640	-0.00111039	-0.00179284	-0.00003162	0.00009562
RelInt RSD	*10.42005746*	*4.45448492*	*6.87415581*	*44.19104999*	*54.67409250*	*59.22128036*	*82.03538018*
RelInt SD	*0.00001560*	*0.00000696*	*0.00003481*	*0.00049069*	*0.00098022*	*0.00001872*	*0.00007844*

	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	4414.41000000	4382.70000000	4039.71000000	2680.11000000	1956.44000000	1740.52000000	-70.25090000
Int RSD	*0.63425237*	*0.65180825*	*0.98002332*	*0.49075971*	*0.28372043*	*1.00509618*	*99.64427502*
Int SD	*27.99850000*	*28.56680000*	*39.59010000*	*13.15290000*	*5.55082000*	*17.49390000*	*70.00100000*
RelInt Mean	0.03913760	0.00023648	-0.00009173	-0.00005358	-0.00000477	0.00002565	-0.00137206
RelInt RSD	*4.26211623*	*21.30507772*	*17.00510298*	*43.66106491*	*494.92700294*	*40.17815375*	*33.72760666*
RelInt SD	*0.00166809*	*0.00005038*	*0.00001560*	*0.00002339*	*0.00002360*	*0.00001031*	*0.00046276*

	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	30691.10000000	1706.39000000	6386.89000000	802542	27309900	91935.90000000	2817.64000000
Int RSD	*1.81741287*	*1.09062407*	*2.41602721*	*0.20967501*	*1.69319185*	*0.99028562*	*0.52432177*
Int SD	*557.78400000*	*18.61030000*	*154.30900000*	*1682.73000000*	*462409*	*910.42800000*	*14.77350000*
RelInt Mean	0.00000892	-0.00006310	0.00003322	---	---	---	0.00030915
RelInt RSD	*32.16893426*	*11.03687925*	*15.35060760*	---	---	---	*10.39854697*
RelInt SD	*0.00000287*	*0.00000696*	*0.00000510*	---	---	---	*0.00003215*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-66.87120000	373.56600000	4449.49000000	2283.23000000	3953.22000000	2059.03000000	
Int RSD	*91.89710967*	*7.98268579*	*1.17351652*	*3.96431809*	*1.11612053*	*1.35970821*	
Int SD	*61.45270000*	*29.82060000*	*52.21550000*	*90.51450000*	*44.12270000*	*27.99680000*	
RelInt Mean	-0.00166645	0.00043418	0.00033250	0.00063278	0.00003244	-0.00011008	
RelInt RSD	*36.72135378*	*77.72644254*	*13.43195106*	*17.76083315*	*76.67533957*	*38.53025073*	
RelInt SD	*0.00061194*	*0.00033748*	*0.00004466*	*0.00011239*	*0.00002487*	*0.00004241*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L1,S17856			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:23:22	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	27864.10000000	585.51800000	1728.11000000	4153.97000000	5029.22000000	24.11400000	4088.67000000
Int RSD	*0.41522604*	*17.21723329*	*0.15352263*	*0.36132904*	*0.89285217*	*154.89632579*	*0.75839332*
Int SD	*115.69900000*	*100.81000000*	*2.65304000*	*15.00950000*	*44.90350000*	*37.35170000*	*31.00820000*
RelInt Mean	0.00002504	0.00519114	-0.00007972	0.00035054	0.00127200	-0.00042357	0.00026282
RelInt RSD	*20.50893085*	*31.90012213*	*12.31466825*	*6.17295080*	*4.67747642*	*68.60573552*	*12.01269324*
RelInt SD	*0.00000513*	*0.00165598*	*0.00000982*	*0.00002164*	*0.00005950*	*0.00029059*	*0.00003157*

	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	4251.19000000	32377.40000000	6846.62000000	-226.67100000	68.27280000	9339.80000000	2743.65000000
Int RSD	*0.59170491*	*0.32132599*	*0.53078161*	*47.03733605*	*60.23438324*	*0.21059659*	*0.75639750*
Int SD	*25.15450000*	*104.03700000*	*36.34060000*	*106.62000000*	*41.12370000*	*19.66930000*	*20.75290000*
RelInt Mean	0.00058529	0.00026709	0.00273360	-0.00125199	-0.00098336	0.00596380	0.00047937
RelInt RSD	*4.91887727*	*2.99147846*	*1.19270925*	*32.43468398*	*73.87424125*	*1.20809719*	*14.08491926*
RelInt SD	*0.00002879*	*0.00000799*	*0.00003260*	*0.00040608*	*0.00072645*	*0.00007205*	*0.00006752*

	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	4682.88000000	4606.64000000	4039.71000000	2799.75000000	2044.46000000	1874.80000000	318.45000000
Int RSD	*3.86193966*	*1.35919021*	*0.94068386*	*0.45618716*	*2.20661201*	*1.08379560*	*29.62804208*
Int SD	*180.85000000*	*62.61300000*	*38.00090000*	*12.77210000*	*45.11330000*	*20.31900000*	*94.35050000*
RelInt Mean	0.04206360	0.00057204	-0.00000260	0.00014804	0.00016817	0.00020869	0.00329071
RelInt RSD	*5.00687055*	*14.19455496*	*1895.57059366*	*11.36349205*	*10.97767074*	*14.32442534*	*27.19549884*
RelInt SD	*0.00210607*	*0.00008120*	*0.00004930*	*0.00001682*	*0.00001846*	*0.00002989*	*0.00089492*

	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	39809.30000000	1884.23000000	6522.29000000	791978	26719700	92161.90000000	4775.99000000
Int RSD	*0.10602573*	*0.18054908*	*0.59248975*	*0.22660225*	*0.53304116*	*0.83157682*	*0.77238436*
Int SD	*42.20810000*	*3.40196000*	*38.64390000*	*1794.64000000*	*142427*	*766.39700000*	*36.88900000*
RelInt Mean	0.00036064	0.00018061	0.00004276	---	---	---	0.00284422
RelInt RSD	*2.29180219*	*4.47809043*	*8.70257516*	---	---	---	*1.93040623*
RelInt SD	*0.00000827*	*0.00000809*	*0.00000372*	---	---	---	*0.00005491*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-72.97850000	506.73400000	4385.50000000	2510.78000000	4239.48000000	2037.03000000	
Int RSD	*130.78797180*	*15.39095462*	*1.06003420*	*0.76678164*	*0.26858247*	*1.93406577*	
Int SD	*95.44710000*	*77.99120000*	*46.48780000*	*19.25220000*	*11.38650000*	*39.39750000*	
RelInt Mean	-0.00203890	0.00193531	0.00037770	0.00093734	0.00049226	-0.00009998	
RelInt RSD	*29.58448183*	*39.28647090*	*7.07465793*	*4.50887513*	*9.02454780*	*60.81441682*	
RelInt SD	*0.00060320*	*0.00076032*	*0.00002672*	*0.00004226*	*0.00004442*	*0.00006080*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L2,S17855			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:26:39	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28013.80000000	607.53700000	1904.39000000	4675.19000000	6897.17000000	57.89400000	4618.70000000
Int RSD	*0.38127637*	*16.56919661*	*1.25328320*	*0.81713898*	*0.13570479*	*117.13942723*	*0.59801892*
Int SD	*106.81000000*	*100.66400000*	*23.86740000*	*38.20280000*	*9.35979000*	*67.81670000*	*27.62070000*
RelInt Mean	0.00002658	0.00530862	0.00013651	0.00091060	0.00351138	0.00049333	0.00087121
RelInt RSD	*13.62259834*	*21.34848605*	*17.09965716*	*5.80815485*	*0.66679197*	*185.02233808*	*4.31646476*
RelInt SD	*0.00000362*	*0.00113331*	*0.00002334*	*0.00005289*	*0.00002341*	*0.00091277*	*0.00003761*

	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	5125.45000000	38185.90000000	10255.90000000	-283.07500000	12.98800000	19271.90000000	3561.06000000
Int RSD	*0.83515008*	*0.22458132*	*0.41919383*	*10.85818246*	*893.65568217*	*0.24290755*	*0.62438150*
Int SD	*42.80520000*	*85.75840000*	*42.99210000*	*30.73680000*	*116.06800000*	*46.81290000*	*22.23460000*
RelInt Mean	0.00161011	0.00046956	0.00683464	-0.00181208	-0.00172043	0.01813350	0.00145884
RelInt RSD	*2.89602574*	*1.94934822*	*1.38495810*	*15.71453799*	*58.63534116*	*0.79752392*	*1.27335417*
RelInt SD	*0.00004663*	*0.00000915*	*0.00009466*	*0.00028476*	*0.00100878*	*0.00014462*	*0.00001858*

	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	6391.03000000	5178.54000000	4287.55000000	3139.32000000	2324.46000000	2204.09000000	3458.34000000
Int RSD	*0.49064392*	*1.32437328*	*0.61232172*	*0.89438159*	*0.54041369*	*0.81596033*	*2.39955875*
Int SD	*31.35720000*	*68.58320000*	*26.25360000*	*28.07750000*	*12.56170000*	*17.98450000*	*82.98490000*
RelInt Mean	0.05970610	0.00123481	0.00023216	0.00053991	0.00047017	0.00059208	0.03654630
RelInt RSD	*1.85069867*	*4.67250832*	*12.58004213*	*11.16762053*	*2.98247219*	*8.67515095*	*2.09179315*
RelInt SD	*0.00110498*	*0.00005770*	*0.00002921*	*0.00006030*	*0.00001402*	*0.00005136*	*0.00076447*

	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	60425.70000000	2312.04000000	7076.49000000	808139	27119300	93115.30000000	8668.69000000
Int RSD	*0.58025310*	*1.07305669*	*1.74053804*	*0.40662312*	*0.86915591*	*0.83850559*	*0.16075209*
Int SD	*350.62200000*	*24.80950000*	*123.16900000*	*3286.08000000*	*235709*	*780.77700000*	*13.93510000*
RelInt Mean	0.00111604	0.00067920	0.00006230	---	---	---	0.00757495
RelInt RSD	*1.42572847*	*6.76652940*	*6.70394550*	---	---	---	*0.49529964*
RelInt SD	*0.00001591*	*0.00004596*	*0.00000418*	---	---	---	*0.00003752*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-104.24900000	748.26500000	4466.07000000	2516.98000000	4981.22000000	2069.02000000	
Int RSD	*73.61893160*	*9.72193006*	*0.70551290*	*0.60724360*	*0.34762367*	*1.74870712*	
Int SD	*76.74700000*	*72.74580000*	*31.50870000*	*15.28420000*	*17.31590000*	*36.18110000*	
RelInt Mean	-0.00250935	0.00390328	0.00038218	0.00091139	0.00136330	-0.00006815	
RelInt RSD	*29.72534720*	*10.35085876*	*19.04115109*	*3.33865122*	*0.74184699*	*77.57504794*	
RelInt SD	*0.00074591*	*0.00040402*	*0.00007277*	*0.00003043*	*0.00001011*	*0.00005287*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L3,S17854			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:29:55	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28105.40000000	525.83000000	3285.89000000	10686.50000000	31408.70000000	216.04800000	10805.90000000
Int RSD	*0.59372932*	*20.02320141*	*2.01657085*	*1.15243532*	*0.19104388*	*37.38905243*	*1.51965130*
Int SD	*166.87000000*	*105.28800000*	*66.26230000*	*123.15500000*	*60.00440000*	*80.77830000*	*164.21200000*
RelInt Mean	0.00002336	0.00494821	0.00185600	0.00839134	0.03405920	0.00228649	0.00855905
RelInt RSD	*30.22345484*	*19.38468658*	*3.16550108*	*1.74154545*	*0.18856109*	*30.19225975*	*2.57192095*
RelInt SD	*0.00000706*	*0.00095920*	*0.00005875*	*0.00014614*	*0.00006422*	*0.00069034*	*0.00022013*

	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	15827.50000000	118283	56557.50000000	-246.85200000	84.71500000	150979	13852.80000000
Int RSD	*0.24155552*	*0.57092313*	*0.56245237*	*23.03197868*	*41.55875583*	*0.51620159*	*0.18540006*
Int SD	*38.23220000*	*675.30500000*	*318.10900000*	*56.85490000*	*35.20650000*	*779.35600000*	*25.68310000*
RelInt Mean	0.01489980	0.00343777	0.06458290	-0.00093143	-0.00060888	0.18233900	0.01425790
RelInt RSD	*0.41846535*	*1.19629585*	*0.50211743*	*63.20834935*	*41.11595426*	*0.44345697*	*0.14662819*
RelInt SD	*0.00006235*	*0.00004113*	*0.00032428*	*0.00058874*	*0.00025035*	*0.00080859*	*0.00002091*

	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	20378.80000000	12472.30000000	6745.41000000	7208.28000000	5573.65000000	6436.16000000	49989.70000000
Int RSD	*0.89514103*	*0.23226189*	*0.91213581*	*0.93116943*	*0.77842706*	*0.70427242*	*0.27716910*
Int SD	*182.41900000*	*28.96840000*	*61.52730000*	*67.12130000*	*43.38680000*	*45.32810000*	*138.55600000*
RelInt Mean	0.20575600	0.01030020	0.00329101	0.00559394	0.00449680	0.00584939	0.52708900
RelInt RSD	*1.08078987*	*0.46084057*	*1.44458692*	*1.53126061*	*0.84453834*	*0.93925691*	*0.30471325*
RelInt SD	*0.00222379*	*0.00004747*	*0.00004754*	*0.00008566*	*0.00003798*	*0.00005494*	*0.00160611*

	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	329618	7455.47000000	13806.60000000	806764	26967700	94729.90000000	62615.90000000
Int RSD	*0.36288370*	*0.20202348*	*1.71169586*	*0.14993480*	*0.63830063*	*0.09343386*	*0.66541406*
Int SD	*1196.13000000*	*15.06180000*	*236.32700000*	*1209.62000000*	*172135*	*88.50980000*	*416.65500000*
RelInt Mean	0.01109960	0.00708731	0.00030994	---	---	---	0.07484960
RelInt RSD	*0.94451151*	*0.20201741*	*3.30683384*	---	---	---	*0.61166660*
RelInt SD	*0.00010484*	*0.00001432*	*0.00001025*	---	---	---	*0.00045783*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-90.89420000	5767.16000000	4639.61000000	2592.04000000	14276.20000000	2113.53000000	
Int RSD	*29.18987130*	*0.35103933*	*0.45317171*	*2.27249965*	*0.76725599*	*1.01881686*	
Int SD	*26.53190000*	*20.24500000*	*21.02540000*	*58.90410000*	*109.53500000*	*21.53300000*	
RelInt Mean	-0.00154712	0.05661140	0.00058398	0.00098136	0.01289880	-0.00004502	
RelInt RSD	*14.40114535*	*0.66173951*	*8.46524515*	*7.52049955*	*1.03190219*	*26.37747350*	
RelInt SD	*0.00022280*	*0.00037462*	*0.00004944*	*0.00007380*	*0.00013310*	*0.00001187*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L4,S17853			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:33:12	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28912.10000000	1199.11000000	16987.40000000	70355.20000000	265036	10705.30000000	68067.20000000
Int RSD	*1.07772524*	*4.23630026*	*0.12500206*	*0.40311306*	*0.32622285*	*2.50402137*	*0.26997144*
Int SD	*311.59300000*	*50.79790000*	*21.23460000*	*283.61100000*	*864.60800000*	*268.06300000*	*183.76200000*
RelInt Mean	0.00001378	0.01129250	0.01868830	0.08231540	0.32394500	0.11437300	0.07937400
RelInt RSD	*39.60008128*	*4.87266770*	*2.82978655*	*2.95493917*	*2.67347544*	*1.86449599*	*3.12492756*
RelInt SD	*0.00000546*	*0.00055025*	*0.00052884*	*0.00243237*	*0.00866059*	*0.00213248*	*0.00248038*

	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	117838	884298	495988	14098.90000000	4307.96000000	1383380	113214
Int RSD	*0.20914561*	*0.71541268*	*0.40602998*	*1.24047266*	*2.94580265*	*0.63144111*	*0.35826311*
Int SD	*246.45300000*	*6326.38000000*	*2013.86000000*	*174.89300000*	*126.90400000*	*8735.23000000*	*405.60400000*
RelInt Mean	0.14125600	0.03309760	0.61011600	0.15246500	0.04384130	1.71300000	0.13741300
RelInt RSD	*2.71982075*	*0.21984132*	*2.58885196*	*0.68811203*	*1.87090711*	*3.57765324*	*2.84537125*
RelInt SD	*0.00384191*	*0.00007276*	*0.01579500*	*0.00104913*	*0.00082023*	*0.06128520*	*0.00390991*

	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	160689	82783.60000000	29268.50000000	46645.00000000	36415.60000000	46053.70000000	487832
Int RSD	*1.10626739*	*0.32430336*	*0.42518749*	*0.76995819*	*0.13669993*	*1.07010512*	*1.01490062*
Int SD	*1777.65000000*	*268.47000000*	*124.44600000*	*359.14700000*	*49.78010000*	*492.82300000*	*4951.01000000*
RelInt Mean	1.70820000	0.09722750	0.03102120	0.05427440	0.04264740	0.05485550	5.22767000
RelInt RSD	*0.84575577*	*3.27940140*	*3.20017279*	*2.67735802*	*2.95345086*	*2.35159647*	*0.48884876*
RelInt SD	*0.01444720*	*0.00318848*	*0.00099273*	*0.00145312*	*0.00125957*	*0.00128998*	*0.02555540*

	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	2953480	56302.70000000	81194.90000000	810301	25896400	93304.70000000	590240
Int RSD	*0.34820618*	*0.21603227*	*0.85492562*	*2.88924733*	*0.77510388*	*1.04133018*	*0.06377592*
Int SD	*10284.20000000*	*121.63200000*	*694.15600000*	*23411.60000000*	*200724*	*971.61000000*	*376.43100000*
RelInt Mean	0.11287500	0.06743440	0.00291237	---	---	---	0.72971400
RelInt RSD	*0.95979623*	*2.74569063*	*0.05177536*	---	---	---	*2.98934925*
RelInt SD	*0.00108337*	*0.00185154*	*0.00000151*	---	---	---	*0.02181370*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6027.91000000	62815.60000000	5685.61000000	3295.96000000	103241	2310.97000000	
Int RSD	*2.01819536*	*0.52760779*	*0.84234937*	*2.07878736*	*0.30377273*	*0.74274872*	
Int SD	*121.65500000*	*331.42000000*	*47.89270000*	*68.51600000*	*313.61800000*	*17.16470000*	
RelInt Mean	0.06364230	0.66623900	0.00171530	0.00167325	0.12298700	0.00003932	
RelInt RSD	*1.35966645*	*0.66807557*	*7.37789308*	*2.32234275*	*2.70618846*	*89.16248140*	
RelInt SD	*0.00086532*	*0.00445098*	*0.00012655*	*0.00003886*	*0.00332826*	*0.00003506*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L5,S17852			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:36:29	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	30942.10000000	7679.19000000	75626.50000000	330792	1226120	58161.70000000	308125
Int RSD	*1.92087156*	*1.50924772*	*0.32685897*	*0.25662017*	*0.80121929*	*1.54632172*	*0.44530304*
Int SD	*594.35800000*	*115.89800000*	*247.19200000*	*848.87900000*	*9823.91000000*	*899.36700000*	*1372.09000000*
RelInt Mean	-0.00000688	0.08107020	0.09196300	0.40988400	1.53454000	0.63573500	0.38085800
RelInt RSD	*34.08950824*	*1.11681974*	*0.53075585*	*0.41449288*	*0.93065023*	*0.85614289*	*0.14354825*
RelInt SD	*0.00000234*	*0.00090541*	*0.00048810*	*0.00169894*	*0.01428120*	*0.00544280*	*0.00054671*

	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	552902	4090690	2316580	111469	23936.30000000	6379470	546044
Int RSD	*0.38154863*	*0.85859843*	*0.81228362*	*1.09157703*	*1.30112423*	*0.78565774*	*0.39610361*
Int SD	*2109.59000000*	*35122.60000000*	*18817.20000000*	*1216.77000000*	*311.44100000*	*50120.80000000*	*2162.90000000*
RelInt Mean	0.68795700	0.16759400	2.90409000	1.21981000	0.25984800	8.01024000	0.68204200
RelInt RSD	*0.06527138*	*0.47762808*	*0.90379430*	*0.59643879*	*0.71572612*	*0.86413641*	*0.11496462*
RelInt SD	*0.00044904*	*0.00080048*	*0.02624700*	*0.00727542*	*0.00185980*	*0.06921940*	*0.00078411*

	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	1019500	376378	119593	212952	161213	207929	2358470
Int RSD	*1.23515449*	*0.32858456*	*0.35806778*	*0.14971308*	*0.41100656*	*0.39777184*	*0.30293241*
Int SD	*12592.40000000*	*1236.72000000*	*428.22400000*	*318.81700000*	*662.59600000*	*827.08300000*	*7144.57000000*
RelInt Mean	11.10470000	0.46606700	0.14399200	0.26286000	0.19943200	0.25817000	25.79690000
RelInt RSD	*1.94889551*	*0.13973892*	*0.27587366*	*0.32746709*	*0.07915079*	*0.06790409*	*0.90057720*
RelInt SD	*0.21641900*	*0.00065128*	*0.00039724*	*0.00086078*	*0.00015785*	*0.00017531*	*0.23232100*

	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	13711900	248761	353822	801326	24214500	91408.40000000	2680840
Int RSD	*0.67274047*	*0.21901785*	*0.49910124*	*0.42978388*	*0.38857461*	*0.64564526*	*0.70875919*
Int SD	*92245.50000000*	*544.83100000*	*1765.93000000*	*3443.97000000*	*94091.40000000*	*590.17400000*	*19000.70000000*
RelInt Mean	0.56505300	0.30920400	0.01433680	---	---	---	3.36400000
RelInt RSD	*0.50458807*	*0.22084417*	*0.47526435*	---	---	---	*0.75882580*
RelInt SD	*0.00285119*	*0.00068286*	*0.00006814*	---	---	---	*0.02552690*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	36444.10000000	394656	10202.80000000	5824.67000000	489413	3221.44000000	
Int RSD	*1.97498909*	*1.23146234*	*0.41444701*	*0.76112123*	*0.34952688*	*0.99023108*	
Int SD	*719.76700000*	*4860.04000000*	*42.28520000*	*44.33280000*	*1710.63000000*	*31.89970000*	
RelInt Mean	0.39750300	4.27922000	0.00672689	0.00420073	0.60769900	0.00055511	
RelInt RSD	*1.35253570*	*1.96736321*	*0.47334206*	*2.07065201*	*0.20311042*	*9.51004570*	
RelInt SD	*0.00537637*	*0.08418780*	*0.00003184*	*0.00008698*	*0.00123430*	*0.00005279*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L6,S17851			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:39:46	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	33830.10000000	16686.10000000	145458	654818	2437580	114408	591608
Int RSD	*0.19256875*	*0.86222664*	*0.59720950*	*0.62024868*	*0.16359258*	*0.48318474*	*0.61481589*
Int SD	*65.14620000*	*143.87200000*	*868.68900000*	*4061.50000000*	*3987.70000000*	*552.80200000*	*3637.30000000*
RelInt Mean	-0.00004107	0.17467100	0.18176600	0.82903800	3.10338000	1.22656000	0.74738600
RelInt RSD	*16.98161221*	*1.37932456*	*0.39136417*	*0.37479705*	*0.18540011*	*1.32264219*	*0.76040359*
RelInt SD	*0.00000697*	*0.00240928*	*0.00071137*	*0.00310721*	*0.00575367*	*0.01622300*	*0.00568315*

	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	1068010	8037870	4505840	243481	49955.50000000	12472400	1059300
Int RSD	*0.24361008*	*0.47473025*	*0.15181209*	*0.70794846*	*0.71391138*	*0.41740804*	*0.31746908*
Int SD	*2601.78000000*	*38158.20000000*	*6840.41000000*	*1723.72000000*	*356.63800000*	*52060.80000000*	*3362.95000000*
RelInt Mean	1.35418000	0.33975500	5.74193000	2.60771000	0.53325000	15.90870000	1.34666000
RelInt RSD	*0.06925084*	*1.24493532*	*0.12661579*	*1.39240176*	*0.63478481*	*0.68044529*	*0.07416490*
RelInt SD	*0.00093778*	*0.00422973*	*0.00727019*	*0.03630980*	*0.00338499*	*0.10825000*	*0.00099875*

	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	2138840	720556	230614	422768	314276	406374	4775400
Int RSD	*1.38625610*	*0.42106512*	*0.32915565*	*0.68691102*	*0.44846568*	*0.61082402*	*0.54610085*
Int SD	*29649.80000000*	*3034.01000000*	*759.07900000*	*2904.04000000*	*1409.42000000*	*2482.23000000*	*26078.50000000*
RelInt Mean	22.83400000	0.91123900	0.28668700	0.53335000	0.39725900	0.51477000	51.21290000
RelInt RSD	*1.30881142*	*0.41648239*	*0.13009659*	*0.42951533*	*0.22124634*	*0.40200089*	*0.38293282*
RelInt SD	*0.29885400*	*0.00379515*	*0.00037297*	*0.00229082*	*0.00087892*	*0.00206938*	*0.19611100*

	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	26952300	470539	694844	789741	23548900	93260.20000000	5213380
Int RSD	*1.19280729*	*0.45763263*	*0.45339386*	*0.27130160*	*0.78855488*	*0.89619366*	*0.36082350*
Int SD	*321489*	*2153.34000000*	*3150.38000000*	*2142.58000000*	*185696*	*835.79200000*	*18811.10000000*
RelInt Mean	1.14364000	0.59587900	0.02918590	---	---	---	6.64559000
RelInt RSD	*0.48675370*	*0.27483600*	*0.32890334*	---	---	---	*0.30383156*
RelInt SD	*0.00556671*	*0.00163769*	*0.00009599*	---	---	---	*0.02019140*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	75081.40000000	914631	15273.60000000	9372.61000000	962413	4200.88000000	
Int RSD	*0.71182610*	*1.59746390*	*0.18818812*	*1.49965698*	*0.35925533*	*1.22093704*	
Int SD	*534.44900000*	*14610.90000000*	*28.74310000*	*140.55700000*	*3457.52000000*	*51.29010000*	
RelInt Mean	0.80355800	9.71928000	0.01278460	0.00814835	1.21884000	0.00117935	
RelInt RSD	*0.66020250*	*1.46213506*	*0.31596374*	*2.36317782*	*0.09412802*	*6.32969856*	
RelInt SD	*0.00530511*	*0.14210900*	*0.00004039*	*0.00019256*	*0.00114727*	*0.00007465*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L7,S17857			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:43:03	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1386890	587.64900000	1733.09000000	4666.88000000	4216.00000000	84.35560000	3869.01000000
Int RSD	*0.23598555*	*22.78349831*	*2.37650670*	*2.21323454*	*0.34004507*	*25.95950951*	*0.63235298*
Int SD	*3272.86000000*	*133.88700000*	*41.18700000*	*103.28900000*	*14.33630000*	*21.89830000*	*24.46580000*
RelInt Mean	0.04978860	0.00495231	0.00000087	0.00100836	0.00027697	0.00058406	0.00005091
RelInt RSD	*0.47832837*	*23.12860059*	*3371.34690144*	*13.73636400*	*5.72597329*	*23.03915022*	*51.84304867*
RelInt SD	*0.00023815*	*0.00114540*	*0.00002949*	*0.00013851*	*0.00001586*	*0.00013456*	*0.00002639*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3844.25000000	31171.70000000	6357.45000000	-281.15700000	-101.80700000	5124.65000000	5190.59000000
Int RSD	*0.43388177*	*5.96143297*	*7.17397699*	*20.89995981*	*36.29082480*	*1.57068483*	*17.10774690*
Int SD	*16.67950000*	*1858.28000000*	*456.08200000*	*58.76170000*	*36.94660000*	*80.49210000*	*887.99300000*
RelInt Mean	0.00010913	0.00022363	0.00209085	-0.00149296	-0.00254449	0.00062518	0.00352598
RelInt RSD	*28.73000018*	*27.64484669*	*28.78657006*	*5.84814730*	*31.84139061*	*17.02800145*	*32.13007448*
RelInt SD	*0.00003135*	*0.00006182*	*0.00060188*	*0.00008731*	*0.00081020*	*0.00010646*	*0.00113290*

	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	3373.59000000	4293.94000000	3955.74000000	3518.11000000	2115.97000000	1899.34000000	-53.07010000
Int RSD	*2.57861803*	*0.59501530*	*1.42075313*	*9.41101898*	*1.44749689*	*3.62494340*	*146.18758962*
Int SD	*86.99200000*	*25.54960000*	*56.20130000*	*331.09000000*	*30.62860000*	*68.85000000*	*77.58190000*
RelInt Mean	0.02666370	0.00023350	-0.00004437	0.00105887	0.00027358	0.00028076	-0.00139246
RelInt RSD	*4.56812070*	*9.74582332*	*124.15267416*	*41.77415547*	*22.38263203*	*38.15336285*	*52.02483375*
RelInt SD	*0.00121803*	*0.00002276*	*0.00005509*	*0.00044233*	*0.00006124*	*0.00010712*	*0.00072443*

	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	57300.70000000	2451.06000000	6389.14000000	819740	27299300	93684.00000000	3378.95000000
Int RSD	*21.26309103*	*19.52037078*	*0.95713821*	*0.50133457*	*0.55165151*	*0.47464348*	*2.06267923*
Int SD	*12183.90000000*	*478.45600000*	*61.15290000*	*4109.64000000*	*150597*	*444.66500000*	*69.69690000*
RelInt Mean	0.00099741	0.00091097	0.00003481	---	---	---	0.00106368
RelInt RSD	*43.67481778*	*66.43178857*	*11.11720386*	---	---	---	*11.85638538*
RelInt SD	*0.00043562*	*0.00060517*	*0.00000387*	---	---	---	*0.00012611*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-129.77300000	499.57700000	4353.65000000	2259.39000000	3996.19000000	1983.37000000	
Int RSD	*41.93484007*	*2.74702398*	*0.16321730*	*4.44411987*	*0.30001076*	*0.23933810*	
Int SD	*54.42010000*	*13.72350000*	*7.10591000*	*100.41000000*	*11.98900000*	*4.74696000*	
RelInt Mean	-0.00254965	0.00108559	0.00033697	0.00064472	0.00022574	-0.00012558	
RelInt RSD	*32.91887122*	*57.46994722*	*6.18809501*	*13.85182118*	*5.14764774*	*13.02438364*	
RelInt SD	*0.00083932*	*0.00062389*	*0.00002085*	*0.00008931*	*0.00001162*	*0.00001636*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L8,S17858			Sample Type: Calibration Sample
Measure Date: 2023-01-30 13:46:19	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28346.60000000	562.70200000	1727.39000000	4291.05000000	4155.10000000	38.02040000	3915.84000000
Int RSD	*0.51146875*	*12.55231010*	*0.84961705*	*0.29104532*	*0.53772232*	*208.33499911*	*0.23416125*
Int SD	*144.98400000*	*70.63210000*	*14.67620000*	*12.48890000*	*22.34290000*	*79.20980000*	*9.16938000*
RelInt Mean	0.00003244	0.00508552	-0.00006029	0.00043893	0.00008966	0.00010881	0.00003066
RelInt RSD	*12.73117922*	*27.30635215*	*48.36990055*	*2.90559813*	*25.61930745*	*1009.41089973*	*123.09930077*
RelInt SD	*0.00000413*	*0.00138867*	*0.00002916*	*0.00001275*	*0.00002297*	*0.00109834*	*0.00003775*

	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	3883.56000000	29644.10000000	5417.04000000	-319.39800000	-24.28700000	4792.33000000	2940.15000000
Int RSD	*1.07637322*	*0.44654080*	*1.18921404*	*49.23387122*	*147.27879112*	*0.71315832*	*4.78880329*
Int SD	*41.80160000*	*132.37300000*	*64.42020000*	*157.25200000*	*35.76960000*	*34.17690000*	*140.79800000*
RelInt Mean	0.00011782	0.00015232	0.00087652	-0.00205366	-0.00225284	0.00013755	0.00068096
RelInt RSD	*29.23834905*	*2.19667934*	*8.84342100*	*64.44688994*	*13.69893113*	*56.97320208*	*25.78925109*
RelInt SD	*0.00003445*	*0.00000335*	*0.00007751*	*0.00132352*	*0.00030861*	*0.00007837*	*0.00017562*

	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	4805.28000000	4331.86000000	3991.14000000	2888.63000000	1963.24000000	1823.77000000	-80.68440000
Int RSD	*0.93699014*	*1.41369065*	*0.46363194*	*0.27799614*	*1.41055093*	*1.90823953*	*90.85969531*
Int SD	*45.02500000*	*61.23910000*	*18.50420000*	*8.03028000*	*27.69250000*	*34.80190000*	*73.30960000*
RelInt Mean	0.04005660	0.00020301	-0.00008952	0.00023965	0.00005422	0.00013315	-0.00137454
RelInt RSD	*2.20079837*	*37.22508189*	*57.00309104*	*4.28317491*	*48.60336226*	*39.89703342*	*31.34634132*
RelInt SD	*0.00088157*	*0.00007557*	*0.00005103*	*0.00001026*	*0.00002635*	*0.00005312*	*0.00043087*

	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	38209.30000000	1757.73000000	6355.14000000	839166	27139300	96546.70000000	3159.03000000
Int RSD	*4.68728817*	*0.88897043*	*1.92689697*	*0.24552472*	*2.39160922*	*0.73613081*	*1.23088733*
Int SD	*1790.98000000*	*15.62570000*	*122.45700000*	*2060.36000000*	*649066*	*710.71000000*	*38.88410000*
RelInt Mean	0.00028847	0.00002921	0.00002990	---	---	---	0.00074335
RelInt RSD	*20.81156878*	*60.98635520*	*16.00606717*	---	---	---	*5.65213473*
RelInt SD	*0.00006003*	*0.00001782*	*0.00000479*	---	---	---	*0.00004202*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21.94150000	413.74500000	513761	228925	3918.58000000	85889.70000000	
Int RSD	*180.48538158*	*19.06647814*	*0.23525141*	*0.36800437*	*0.64339123*	*0.13061403*	
Int SD	*39.60120000*	*78.88660000*	*1208.63000000*	*842.45400000*	*25.21180000*	*112.18400000*	
RelInt Mean	-0.00092173	-0.00008521	0.60990800	0.27177400	0.00008794	0.10027700	
RelInt RSD	*14.23349864*	*982.21873815*	*0.47742446*	*0.55513037*	*15.54021399*	*0.38687436*	
RelInt SD	*0.00013119*	*0.00083698*	*0.00291185*	*0.00150870*	*0.00001367*	*0.00038795*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICV,S17901	Sample Type: Control Sample		
Measure Date: 2023-01-30 13:49:49	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	320693	968.12500000	17502.70000000	72047.30000000	261510	59613.30000000	130349
Int RSD	*0.45003165*	*7.07370433*	*1.19633542*	*0.43978053*	*0.46928989*	*0.11554133*	*0.50207060*
Int SD	*1443.22000000*	*68.48230000*	*209.39100000*	*316.85000000*	*1227.24000000*	*68.87800000*	*654.44400000*
RelInt Mean	0.01174180	0.00771637	0.01911420	0.08379970	0.31792600	0.64105400	0.15573300
RelInt RSD	*0.64966956*	*1.40589422*	*0.94519781*	*0.72686537*	*0.23651164*	*0.68936470*	*0.54238536*
RelInt SD	*0.00007628*	*0.00010848*	*0.00018067*	*0.00060911*	*0.00075193*	*0.00441920*	*0.00084467*
Conc Mean	0.47094200[mg/l]	0.28035600[mg/l]	1.05211000[mg/l]	1.01205000[mg/l]	1.02226000[mg/l]	51.91210000[mg/l]	1.03535000[mg/l]
Conc RSD	*0.65070858*	*4.67059738*	*0.94156410*	*0.72814485*	*0.23477980*	*0.68889334*	*0.54370020*
Conc SD	*0.00306446[mg/l]*	*0.01309430[mg/l]*	*0.00990629[mg/l]*	*0.00736919[mg/l]*	*0.00240006[mg/l]*	*0.35761900[mg/l]*	*0.00562920[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	113652	850670	248567	59345.10000000	24561.20000000	1349800	115446
Int RSD	*0.54450428*	*0.69724100*	*0.52313461*	*0.24901972*	*0.89739101*	*0.19509779*	*0.48153249*
Int SD	*618.84000000*	*5931.22000000*	*1300.34000000*	*147.78100000*	*220.41000000*	*2633.43000000*	*555.91000000*
RelInt Mean	0.13518500	0.03307830	0.30113700	0.63952000	0.26238400	1.66349000	0.13948400
RelInt RSD	*0.27056848*	*0.74475411*	*0.48105015*	*0.64461315*	*1.50245823*	*0.70906347*	*0.71038470*
RelInt SD	*0.00036577*	*0.00024635*	*0.00144862*	*0.00412243*	*0.00394221*	*0.01179520*	*0.00099087*
Conc Mean	0.99369000[mg/l]	0.97237100[mg/l]	1.04412000[mg/l]	49.81160000[mg/l]	49.63820000[mg/l]	1.04342000[mg/l]	1.03228000[mg/l]
Conc RSD	*0.27094768*	*0.74820208*	*0.48207007*	*0.64343647*	*1.49236072*	*0.70935002*	*0.71076355*
Conc SD	*0.00269238[mg/l]*	*0.00727530[mg/l]*	*0.00503339[mg/l]*	*0.32050600[mg/l]*	*0.74078100[mg/l]*	*0.00740150[mg/l]*	*0.00733707[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	453596	80011.60000000	28641.70000000	17907.90000000	13944.90000000	214043	101734
Int RSD	*1.63579264*	*1.17264247*	*1.43497767*	*0.66931354*	*0.48989666*	*0.81852245*	*0.58385692*
Int SD	*7419.89000000*	*938.25000000*	*411.00200000*	*119.86000000*	*68.31560000*	*1751.99000000*	*593.98100000*
RelInt Mean	4.85955000	0.09316620	0.02998120	0.01845210	0.01459170	0.26239000	1.09454000
RelInt RSD	*2.26109413*	*1.02678869*	*1.17239137*	*0.29991383*	*0.63302494*	*0.70420367*	*0.63717818*
RelInt SD	*0.10987900*	*0.00095662*	*0.00035150*	*0.00005534*	*0.00009237*	*0.00184776*	*0.00697417*
Conc Mean	42.60700000[mg/l]	1.01478000[mg/l]	1.04673000[mg/l]	1.03772000[mg/l]	1.10034000[mg/l]	5.09106000[mg/l]	1.06795000[mg/l]
Conc RSD	*2.27910437*	*1.02966160*	*1.16927001*	*0.30198030*	*0.63293164*	*0.70428359*	*0.63668617*
Conc SD	*0.97105800[mg/l]*	*0.01044880[mg/l]*	*0.01223910[mg/l]*	*0.00313371[mg/l]*	*0.00696440[mg/l]*	*0.03585550[mg/l]*	*0.00679949[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	2883050	19685.90000000	146288	813510	24896900	92931.00000000	194564
Int RSD	*0.59372539*	*0.55763262*	*0.79942306*	*0.52544529*	*0.60190224*	*0.66531620*	*0.67299706*
Int SD	*17117.40000000*	*109.77500000*	*1169.46000000*	*4274.55000000*	*149855*	*618.28500000*	*1309.41000000*
RelInt Mean	0.11458500	0.02181820	0.00563229	---	---	---	0.23702300
RelInt RSD	*0.28339748*	*0.13598601*	*0.90385616*	---	---	---	*0.68474367*
RelInt SD	*0.00032473*	*0.00002967*	*0.00005091*	---	---	---	*0.00162300*
Conc Mean	1.00434000[mg/l]	1.08592000[mg/l]	0.96353800[mg/l]	808214	24849100	92890.50000000	1.06425000[mg/l]
Conc RSD	*0.28334727*	*0.13556708*	*0.90969635*	---	---	---	*0.68586234*
Conc SD	*0.00284577[mg/l]*	*0.00147215[mg/l]*	*0.00876527[mg/l]*	*4250.48000000*	*149814*	*597.47200000*	*0.00729929[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	23612.20000000	74294.10000000	249100	116307	206314	44555.90000000	
Int RSD	*1.38001965*	*0.67725566*	*0.31570895*	*0.72783753*	*0.40332261*	*0.88833353*	
Int SD	*325.85300000*	*503.16100000*	*786.43100000*	*846.52600000*	*832.11100000*	*395.80500000*	
RelInt Mean	0.25243000	0.79182000	0.30213700	0.14103800	0.24952800	0.05208740	
RelInt RSD	*1.92743335*	*0.74508348*	*0.34908667*	*0.92575760*	*0.35150765*	*1.32778561*	
RelInt SD	*0.00486542*	*0.00589972*	*0.00105472*	*0.00130567*	*0.00087711*	*0.00069161*	
Conc Mean	0.94943900[mg/l]	0.83404200[mg/l]	4.92783000[mg/l]	5.17830000[mg/l]	1.02019000[mg/l]	5.19962000[mg/l]	
Conc RSD	*1.91484656*	*0.74516271*	*0.34775347*	*0.92970473*	*0.35114341*	*1.32501606*	
Conc SD	*0.01818030[mg/l]*	*0.00621497[mg/l]*	*0.01713670[mg/l]*	*0.04814290[mg/l]*	*0.00358233[mg/l]*	*0.06889580[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992013.2	File:	met06_master011	Time:	30-JAN-2023 13:56
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001974]	0.003333	---	mg/l	!ICB

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27002300	-1.13
Yttrium	A	802542	811249	1.08
Yttrium	R	91936	93656	1.87

!=warning ICB=instrument blank

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICB,1 | Sample Type: Control Sample

Measure Date: 2023-01-30 13:56:20 | Recalculation Date: | State: Checked | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28007.20000000	605.27600000	1717.78000000	4024.36000000	4119.51000000	32.63250000	3889.68000000
Int RSD	*1.36334228*	*7.61857401*	*0.65727858*	*0.54121649*	*0.32814582*	*219.11928292*	*0.74702032*
Int SD	*381.83400000*	*46.11340000*	*11.29060000*	*21.78050000*	*13.51800000*	*71.50410000*	*29.05670000*
RelInt Mean	0.00002745	0.00581543	-0.00002970	0.00020740	0.00015580	-0.00080426	0.00004574
RelInt RSD	*38.22118449*	*5.03861279*	*34.77590485*	*4.99546761*	*6.84657796*	*58.98216362*	*43.70946199*
RelInt SD	*0.00001049*	*0.00029302*	*0.00001033*	*0.00001036*	*0.00001067*	*0.00047437*	*0.00001999*
Conc Mean	<0.00015744[mg/l]	<0.05091860[mg/l]	0.00316516[mg/l]	<0.00131598[mg/l]	<0.00020289[mg/l]	<-0.03729340[mg/l]	<0.00001110[mg/l]
Conc RSD	*267.84806911*	*69.45634798*	*17.90184382*	*9.51845773*	*16.98047739*	*102.94931543*	*1200.26494124*
Conc SD	*0.00042170[mg/l]*	*0.03536620[mg/l]*	*0.00056662[mg/l]*	*0.00012526[mg/l]*	*0.00003445[mg/l]*	*0.03839330[mg/l]*	*0.00013319[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	3845.20000000	29452.70000000	5811.90000000	-246.77900000	-91.61040000	4744.10000000	2585.41000000
Int RSD	*0.28088526*	*0.69971853*	*0.36868322*	*29.32016095*	*95.28492398*	*0.49430872*	*1.45269029*
Int SD	*10.80060000*	*206.08600000*	*21.42750000*	*72.35600000*	*87.29090000*	*23.45050000*	*37.55800000*
RelInt Mean	0.00010202	0.00015306	0.00142772	-0.00119158	-0.00221506	0.00015862	0.00027449
RelInt RSD	*33.40175062*	*5.93174053*	*0.67269633*	*66.71176086*	*39.71838235*	*8.07894289*	*13.86238278*
RelInt SD	*0.00003408*	*0.00000908*	*0.00000960*	*0.00079492*	*0.00087979*	*0.00001281*	*0.00003805*
Conc Mean	<-0.00042423[mg/l]	<-0.00003609[mg/l]	0.00302804[mg/l]	<-0.00629974[mg/l]	<-0.07933200[mg/l]	<0.00002483[mg/l]	<0.00128027[mg/l]
Conc RSD	*59.11406340*	*743.05926950*	*1.10202639*	*981.12779258*	*208.37619120*	*32.37059349*	*22.01129449*
Conc SD	*0.00025078[mg/l]*	*0.00026815[mg/l]*	*0.00003337[mg/l]*	*0.06180850[mg/l]*	*0.16530900[mg/l]*	*0.00000804[mg/l]*	*0.00028180[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	3690.15000000	4341.16000000	3982.75000000	2703.31000000	1910.12000000	1758.49000000	-109.37500000
Int RSD	*1.52704091*	*1.04226981*	*0.77905467*	*1.73646752*	*1.59789437*	*4.16459007*	*77.69792000*
Int SD	*56.35010000*	*45.24660000*	*31.02780000*	*46.94210000*	*30.52170000*	*73.23390000*	*84.98210000*
RelInt Mean	0.03004070	0.00028645	-0.00003208	0.00005265	-0.00000019	0.00008659	-0.00171873
RelInt RSD	*1.89778867*	*14.60694162*	*98.53201974*	*44.64731079*	*28774.79466119*	*82.25614044*	*45.64044382*
RelInt SD	*0.00057011*	*0.00004184*	*0.00003161*	*0.00002350*	*0.00005605*	*0.00007123*	*0.00078444*
Conc Mean	<-0.07383910[mg/l]	<0.00043945[mg/l]	<0.00197406[mg/l]	0.00599256[mg/l]	<-0.00001469[mg/l]	<0.00110707[mg/l]	<-0.00055200[mg/l]
Conc RSD	*6.82325489*	*103.98248716*	*55.98664681*	*22.14295727*	*28774.06398911*	*124.85028047*	*138.50988051*
Conc SD	*0.00503823[mg/l]*	*0.00045695[mg/l]*	*0.00110521[mg/l]*	*0.00132693[mg/l]*	*0.00422691[mg/l]*	*0.00138218[mg/l]*	*0.00076457[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	31294.80000000	1685.54000000	6382.93000000	811249	27002300	93655.90000000	3030.65000000
Int RSD	*0.48800120*	*1.26631821*	*0.24368433*	*0.04398465*	*1.04325187*	*0.61188137*	*0.62988138*
Int SD	*152.71900000*	*21.34430000*	*15.55420000*	*356.82500000*	*281702*	*573.06300000*	*19.08950000*
RelInt Mean	0.00004066	-0.00002747	0.00003513	---	---	---	0.00062615
RelInt RSD	*3.97805938*	*41.00240645*	*5.48910831*	---	---	---	*1.40128947*
RelInt SD	*0.00000162*	*0.00001126*	*0.00000193*	---	---	---	*0.00000877*
Conc Mean	<0.00031489[mg/l]	<0.00120148[mg/l]	<0.00035383[mg/l]	806267	26955200	93636.30000000	0.00107126[mg/l]
Conc RSD	*4.50293438*	*46.75425309*	*93.80182574*	---	---	---	*3.67380468*
Conc SD	*0.00001418[mg/l]*	*0.00056174[mg/l]*	*0.00033190[mg/l]*	*345.07500000*	*281870*	*587.78200000*	*0.00003936[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-99.73360000	492.43400000	4499.75000000	2335.16000000	3876.78000000	1984.43000000	
Int RSD	*68.90736923*	*3.03559462*	*0.41990777*	*2.10764145*	*0.24443997*	*0.80781383*	
Int SD	*68.72380000*	*14.94830000*	*18.89480000*	*49.21680000*	*9.47640000*	*16.03050000*	
RelInt Mean	-0.00254447	0.00059940	0.00055751	0.00071691	0.00006282	-0.00013617	
RelInt RSD	*46.69223846*	*82.78467539*	*7.55286462*	*9.59727050*	*56.41317896*	*27.18498935*	
RelInt SD	*0.00118807*	*0.00049621*	*0.00004211*	*0.00006880*	*0.00003544*	*0.00003702*	
Conc Mean	<-0.00328064[mg/l]	<0.00063136[mg/l]	0.00366249[mg/l]	<0.00310275[mg/l]	<0.00010851[mg/l]	<-0.00259890[mg/l]	
Conc RSD	*135.31749902*	*82.78457435*	*18.93665239*	*81.78390138*	*135.45105195*	*141.88733695*	
Conc SD	*0.00443928[mg/l]*	*0.00052267[mg/l]*	*0.00069355[mg/l]*	*0.00253755[mg/l]*	*0.00014698[mg/l]*	*0.00368751[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992014.2	File:	met06_master011	Time:	30-JAN-2023 13:59
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17605, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01370	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	150.5	mg/l	94	
Aluminum	R	400.0	420.4	mg/l	105	calc
Calcium	R	400.0	405.8	mg/l	101	
Magnesium	R	400.0	394.4	mg/l	99	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22593900	-17.27
Yttrium	A	802542	725928	-9.55
Yttrium	R	91936	86381	-6.04

+=high bias a=ICSA calc=check quantitation

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSA,S17605			Sample Type: Control Sample
Measure Date: 2023-01-30 13:59:35	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29749.00000000	302978	7702.61000000	7140.83000000	5758.71000000	433124	5498.16000000
Int RSD	*0.42656896*	*0.81544865*	*0.17655574*	*1.44047681*	*0.39732683*	*0.06446329*	*0.63295357*
Int SD	*126.90000000*	*2470.63000000*	*13.59940000*	*102.86200000*	*22.88090000*	*279.20600000*	*34.80080000*
RelInt Mean	0.00000860	3.48891000	-0.00006031	0.00106867	0.00031914	5.01359000	0.00018548
RelInt RSD	*60.08485556*	*1.57280641*	*96.08798591*	*11.74422413*	*10.69612519*	*0.85093715*	*31.77858410*
RelInt SD	*0.00000517*	*0.05487380*	*0.00005795*	*0.00012551*	*0.00003414*	*0.04266250*	*0.00005894*
Conc Mean	<-0.00060032[mg/l]	>420.44800000[mg/l]	<0.00149125[mg/l]	0.01172990[mg/l]	0.00075862[mg/l]	>405.80700000[mg/l]	<0.00093974[mg/l]
Conc RSD	*34.58544540*	*1.57528874*	*213.10041911*	*12.93719469*	*15.54706645*	*0.85085275*	*41.78393265*
Conc SD	*0.00020762[mg/l]*	*6.62327000[mg/l]*	*0.00317786[mg/l]*	*0.00151752[mg/l]*	*0.00011794[mg/l]*	*3.45282000[mg/l]*	*0.00039266[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	5616.58000000	33461.00000000	31179000	-249.84600000	181451	10559.30000000	11351.50000000
Int RSD	*1.49381652*	*0.42507098*	*0.67877738*	*48.95975921*	*0.53618167*	*1.80167246*	*1.09988988*
Int SD	*83.90140000*	*142.23300000*	*211636*	*122.32400000*	*972.90700000*	*190.24400000*	*124.85400000*
RelInt Mean	-0.00062327	0.00019418	43.33480000	-0.00134487	2.09719000	0.00276299	-0.00077326
RelInt RSD	*9.13699133*	*3.56065569*	*0.67666633*	*104.25691703*	*1.29912407*	*9.10462941*	*36.96982786*
RelInt SD	*0.00005695*	*0.00000691*	*0.29323200*	*0.00140212*	*0.02724510*	*0.00025156*	*0.00028587*
Conc Mean	<-0.00576185[mg/l]	<0.00117820[mg/l]	>150.53000000[mg/l]	<-0.01821880[mg/l]	>394.39300000[mg/l]	0.00165854[mg/l]	<-0.00647938[mg/l]
Conc RSD	*7.27368814*	*17.33186216*	*0.67654288*	*598.39835774*	*1.29809606*	*9.51469365*	*32.67565724*
Conc SD	*0.00041910[mg/l]*	*0.00020420[mg/l]*	*1.01840000[mg/l]*	*0.10902100[mg/l]*	*5.11960000[mg/l]*	*0.00015781[mg/l]*	*0.00211718[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	3184.99000000	5903.14000000	12091.10000000	13677.20000000	8981.64000000	7776.01000000	449.02500000
Int RSD	*3.50936738*	*0.22061818*	*0.48143097*	*0.05537902*	*0.34442040*	*0.56247356*	*9.30101887*
Int SD	*111.77300000*	*13.02340000*	*58.21030000*	*7.57430000*	*30.93460000*	*43.73800000*	*41.76390000*
RelInt Mean	0.02931080	0.00023259	0.00211839	0.00009621	-0.00054852	0.00004770	0.00473731
RelInt RSD	*3.38015680*	*10.39980910*	*1.52462011*	*157.55403086*	*20.59680377*	*63.68774936*	*26.07809073*
RelInt SD	*0.00099075*	*0.00002419*	*0.00003230*	*0.00015158*	*0.00011298*	*0.00003038*	*0.00123540*
Conc Mean	<-0.08028890[mg/l]	<-0.00014876[mg/l]	0.01370200[mg/l]	0.00848044[mg/l]	<-0.04136340[mg/l]	<0.00035227[mg/l]	0.00574055[mg/l]
Conc RSD	*10.90519362*	*177.57678424*	*4.85207999*	*100.82200924*	*20.59680781*	*167.33207292*	*20.97551628*
Conc SD	*0.00875566[mg/l]*	*0.00026416[mg/l]*	*0.00066483[mg/l]*	*0.00855015[mg/l]*	*0.00851954[mg/l]*	*0.00058945[mg/l]*	*0.00120411[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	38633.40000000	8000.57000000	9129.40000000	725928	22593900	86381.30000000	13511.70000000
Int RSD	*0.29385454*	*0.61570113*	*0.60275155*	*0.19501245*	*0.56756470*	*0.84781197*	*0.69823412*
Int SD	*113.52600000*	*49.25960000*	*55.02760000*	*1415.65000000*	*128235*	*732.35100000*	*94.34330000*
RelInt Mean	0.00018441	-0.00010224	0.00001750	---	---	---	0.00095060
RelInt RSD	*1.05633192*	*35.94323383*	*32.57662578*	---	---	---	*18.20029455*
RelInt SD	*0.00000195*	*0.00003675*	*0.00000570*	---	---	---	*0.00017301*
Conc Mean	0.00157485[mg/l]	<-0.00251205[mg/l]	<-0.00267797[mg/l]	719253	22535700	86368.40000000	0.00253384[mg/l]
Conc RSD	*1.08404610*	*73.16056607*	*36.64383843*	---	---	---	*30.72356581*
Conc SD	*0.00001707[mg/l]*	*0.00183783[mg/l]*	*0.00098131[mg/l]*	*1399.59000000*	*128248*	*697.64300000*	*0.00077849[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-15.95630000	406.98700000	7331.19000000	6304.63000000	5744.08000000	6912.70000000	
Int RSD	*155.85693425*	*31.53663385*	*1.03223351*	*1.20327442*	*0.46784864*	*0.84960580*	
Int SD	*24.86900000*	*128.35000000*	*75.67500000*	*75.86200000*	*26.87360000*	*58.73070000*	
RelInt Mean	-0.00168838	0.00087467	0.00100512	0.00046103	-0.00035112	-0.00034531	
RelInt RSD	*98.79944088*	*156.85501112*	*18.00272604*	*11.73884940*	*15.82548466*	*20.63739643*	
RelInt SD	*0.00166811*	*0.00137197*	*0.00018095*	*0.00005412*	*0.00005557*	*0.00007126*	
Conc Mean	<-0.00008183[mg/l]	<0.00092131[mg/l]	0.01118000[mg/l]	<-0.00633439[mg/l]	<-0.00158436[mg/l]	<-0.02343240[mg/l]	
Conc RSD	*7616.65831633*	*156.85440236*	*26.40867621*	*31.51021645*	*13.71096216*	*30.29497619*	
Conc SD	*0.00623294[mg/l]*	*0.00144512[mg/l]*	*0.00295249[mg/l]*	*0.00199598[mg/l]*	*0.00021723[mg/l]*	*0.00709884[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992015	File:	met06_master011	Time:	30-JAN-2023 14:02
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17891, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.057	mg/l	6	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	22754500	-16.68
Yttrium	A	802542	721557	-10.09
Yttrium	R	91936	86326	-6.10

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSAB,S17891 | Sample Type: Control Sample

Measure Date: 2023-01-30 14:02:51 | Recalculation Date: | State: Checked | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	613972	299620	7671.01000000	7317.61000000	123228	428492	60309.40000000
Int RSD	*0.77940851*	*0.59744009*	*0.32262636*	*0.61693640*	*0.40634434*	*0.17537574*	*0.23870740*
Int SD	*4785.35000000*	*1790.05000000*	*24.74870000*	*45.14500000*	*500.73000000*	*751.47100000*	*143.96300000*
RelInt Mean	0.02569040	3.45016000	-0.00011943	0.00123837	0.16450300	4.96201000	0.07655040
RelInt RSD	*1.25307897*	*1.01461961*	*27.59289961*	*4.09675622*	*0.08742698*	*0.60374929*	*0.67197689*
RelInt SD	*0.00032192*	*0.03500600*	*0.00003295*	*0.00005073*	*0.00014382*	*0.02995810*	*0.00051440*
Conc Mean	1.03152000[mg/l]	>415.77100000[mg/l]	<-0.00220975[mg/l]	0.01378180[mg/l]	0.53078500[mg/l]	>401.63200000[mg/l]	0.50962300[mg/l]
Conc RSD	*1.25392624*	*1.01616996*	*81.72870234*	*4.45148674*	*0.08773326*	*0.60375916*	*0.67227539*
Conc SD	*0.01293450[mg/l]*	*4.22494000[mg/l]*	*0.00180600[mg/l]*	*0.00061350[mg/l]*	*0.00046567[mg/l]*	*2.42489000[mg/l]*	*0.00342607[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	56224.40000000	447203	30767500	-266.17400000	178992	614836	11388.60000000
Int RSD	*0.10321551*	*0.86663775*	*0.32101796*	*30.95678015*	*0.16082004*	*0.69750633*	*0.54950301*
Int SD	*58.03230000*	*3875.63000000*	*98769.20000000*	*82.39890000*	*287.85500000*	*4288.52000000*	*62.58070000*
RelInt Mean	0.07001420	0.01836480	43.02470000	-0.00154998	2.06935000	0.84791600	-0.00083922
RelInt RSD	*0.45850270*	*1.20906299*	*0.63443557*	*28.19733158*	*0.43705511*	*0.33116960*	*9.46159529*
RelInt SD	*0.00032102*	*0.00022204*	*0.27296400*	*0.00043705*	*0.00904420*	*0.00280804*	*0.00007940*
Conc Mean	0.51407700[mg/l]	0.53782400[mg/l]	>149.45300000[mg/l]	<-0.03416720[mg/l]	>389.16200000[mg/l]	0.53181900[mg/l]	<-0.00696787[mg/l]
Conc RSD	*0.45963153*	*1.21916463*	*0.63445364*	*99.46059379*	*0.43667933*	*0.33122923*	*8.43966664*
Conc SD	*0.00236286[mg/l]*	*0.00655696[mg/l]*	*0.94821000[mg/l]*	*0.03398290[mg/l]*	*1.69939000[mg/l]*	*0.00176154[mg/l]*	*0.00058807[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	3178.86000000	71083.90000000	33579.50000000	13781.60000000	8995.80000000	7775.02000000	433.57900000
Int RSD	*1.24304625*	*0.72616865*	*0.20994148*	*0.76991061*	*0.38466618*	*0.48465599*	*16.70798171*
Int SD	*39.51470000*	*516.18900000*	*70.49730000*	*106.10600000*	*34.60380000*	*37.68210000*	*72.44230000*
RelInt Mean	0.02903790	0.09115950	0.03207590	0.00023971	-0.00055645	-0.00002518	0.00418630
RelInt RSD	*1.76748319*	*0.32910119*	*0.60032610*	*64.76050627*	*8.70127326*	*226.50165030*	*15.32288656*
RelInt SD	*0.00051324*	*0.00030001*	*0.00019256*	*0.00015524*	*0.00004842*	*0.00005703*	*0.00064146*
Conc Mean	<-0.08270100[mg/l]	0.99286700[mg/l]	1.05725000[mg/l]	0.01352340[mg/l]	<-0.04196080[mg/l]	<-0.00106183[mg/l]	0.00520349[mg/l]
Conc RSD	*5.48466161*	*0.33000392*	*0.57426720*	*64.71767455*	*8.70126404*	*104.21630581*	*12.01532049*
Conc SD	*0.00453587[mg/l]*	*0.00327650[mg/l]*	*0.00607144[mg/l]*	*0.00875203[mg/l]*	*0.00365112[mg/l]*	*0.00110660[mg/l]*	*0.00062522[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	38738.10000000	8106.78000000	75268.60000000	721557	22754500	86326.20000000	174110
Int RSD	*0.57496108*	*0.27755903*	*0.23907845*	*0.40381980*	*0.58532598*	*0.46462719*	*0.53324507*
Int SD	*222.72900000*	*22.50110000*	*179.95100000*	*2913.79000000*	*133188*	*401.09500000*	*928.43300000*
RelInt Mean	0.00018222	-0.00002093	0.00292358	---	---	---	0.22538900
RelInt RSD	*6.39543180*	*256.67107759*	*0.80395611*	---	---	---	*0.35001264*
RelInt SD	*0.00001165*	*0.00005373*	*0.00002350*	---	---	---	*0.00078889*
Conc Mean	0.00155564[mg/l]	<0.00154636[mg/l]	0.49762300[mg/l]	714878	22696300	86347.20000000	1.01215000[mg/l]
Conc RSD	*6.56597928*	*173.47254197*	*0.81320598*	---	---	---	*0.35111298*
Conc SD	*0.00010214[mg/l]*	*0.00268251[mg/l]*	*0.00404670[mg/l]*	*2922.93000000*	*133133*	*405.39700000*	*0.00355379[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9981.80000000	386.12600000	7493.83000000	6519.08000000	192474	6967.64000000	
Int RSD	*0.99980865*	*23.15412586*	*1.22878021*	*0.56937329*	*0.34144508*	*0.92968781*	
Int SD	*99.79890000*	*89.40410000*	*92.08270000*	*37.11790000*	*657.19300000*	*64.77730000*	
RelInt Mean	0.11492100	0.00076587	0.00122113	0.00081962	0.26020400	-0.00027803	
RelInt RSD	*0.65086973*	*68.80250592*	*15.42129012*	*11.71460572*	*0.07614679*	*35.48453230*	
RelInt SD	*0.00074799*	*0.00052694*	*0.00018831*	*0.00009601*	*0.00019814*	*0.00009866*	
Conc Mean	0.43563300[mg/l]	<0.00080671[mg/l]	0.01473480[mg/l]	<0.00689075[mg/l]	1.06784000[mg/l]	<-0.01673030[mg/l]	
Conc RSD	*0.64147574*	*68.80272218*	*20.95467872*	*51.38961651*	*0.07564176*	*58.74240151*	
Conc SD	*0.00279448[mg/l]*	*0.00055503[mg/l]*	*0.00308763[mg/l]*	*0.00354113[mg/l]*	*0.00080773[mg/l]*	*0.00982778[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992099	File:	met06_master011	Time:	30-JAN-2023 19:00
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0295	1.000	1.029	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	24867900	-8.94
Yttrium	A	802542	811520	1.12
Yttrium	R	91936	90384	-1.69

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S17901	Sample Type: Control Sample		
Measure Date: 2023-01-30 19:00:30	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	317387	951.56600000	17048.20000000	70203.20000000	259838	57681.40000000	129149
Int RSD	*1.03165536*	*4.93542224*	*0.25641769*	*0.14505891*	*0.38994296*	*1.21592056*	*0.33423565*
Int SD	*3274.34000000*	*46.96380000*	*43.71460000*	*101.83600000*	*1013.22000000*	*701.36000000*	*431.66200000*
RelInt Mean	0.01162540	0.00796798	0.01861430	0.08179300	0.31672100	0.63759100	0.15476300
RelInt RSD	*2.11385415*	*2.49209963*	*0.53956367*	*0.44977076*	*0.11817499*	*0.29821625*	*0.15598367*
RelInt SD	*0.00024574*	*0.00019857*	*0.00010044*	*0.00036788*	*0.00037428*	*0.00190140*	*0.00024141*
Conc Mean	0.46626600[mg/l]	0.31072500[mg/l]	1.02470000[mg/l]	0.98778800[mg/l]	1.01839000[mg/l]	51.63180000[mg/l]	1.02890000[mg/l]
Conc RSD	*2.11797987*	*7.71292944*	*0.53726066*	*0.45027880*	*0.11741867*	*0.29806631*	*0.15380309*
Conc SD	*0.00987542[mg/l]*	*0.02396600[mg/l]*	*0.00550531[mg/l]*	*0.00444780[mg/l]*	*0.00119578[mg/l]*	*0.15389700[mg/l]*	*0.00158248[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	112565	837945	251843	57216.20000000	23944.20000000	1340140	114507
Int RSD	*0.43785457*	*1.43751678*	*0.70850887*	*2.35251555*	*1.83976078*	*0.55364216*	*0.14550028*
Int SD	*492.87100000*	*12045.60000000*	*1784.33000000*	*1346.02000000*	*440.51600000*	*7419.58000000*	*166.60800000*
RelInt Mean	0.13420300	0.03260590	0.30600700	0.63441400	0.26336700	1.65556000	0.13873600
RelInt RSD	*0.02646036*	*2.18796905*	*0.60786518*	*1.56029501*	*1.03944686*	*0.20643649*	*0.41373832*
RelInt SD	*0.00003551*	*0.00071341*	*0.00186011*	*0.00989873*	*0.00273756*	*0.00341768*	*0.00057400*
Conc Mean	0.98646000[mg/l]	0.95842100[mg/l]	1.06105000[mg/l]	49.41470000[mg/l]	49.82280000[mg/l]	1.03845000[mg/l]	1.02674000[mg/l]
Conc RSD	*0.02651907*	*2.19841802*	*0.60938504*	*1.55764580*	*1.03246706*	*0.20635755*	*0.41399965*
Conc SD	*0.00026160[mg/l]*	*0.02107010[mg/l]*	*0.00646588[mg/l]*	*0.76970600[mg/l]*	*0.51440400[mg/l]*	*0.00214292[mg/l]*	*0.00425070[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	439445	78966.30000000	28099.50000000	17492.30000000	13175.50000000	212114	98856.30000000
Int RSD	*0.19048891*	*0.16860610*	*0.59178277*	*0.34097117*	*0.34498349*	*0.69095392*	*0.77341960*
Int SD	*837.09400000*	*133.14200000*	*166.28800000*	*59.64370000*	*45.45330000*	*1465.61000000*	*764.57400000*
RelInt Mean	4.83804000	0.09218760	0.02947500	0.01808070	0.01371340	0.26064900	1.09338000
RelInt RSD	*0.92422138*	*0.38148406*	*0.96476675*	*0.59496037*	*0.83591961*	*0.41854371*	*0.26981379*
RelInt SD	*0.04471420*	*0.00035168*	*0.00028436*	*0.00010757*	*0.00011463*	*0.00109093*	*0.00295009*
Conc Mean	42.41690000[mg/l]	1.00409000[mg/l]	1.02910000[mg/l]	1.01682000[mg/l]	1.03411000[mg/l]	5.05728000[mg/l]	1.06682000[mg/l]
Conc RSD	*0.93162631*	*0.38240297*	*0.96135944*	*0.59653134*	*0.83598457*	*0.41839685*	*0.26945502*
Conc SD	*0.39516700[mg/l]*	*0.00383967[mg/l]*	*0.00989335[mg/l]*	*0.00606565[mg/l]*	*0.00864500[mg/l]*	*0.02115950[mg/l]*	*0.00287460[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	2869580	19374.00000000	145526	811520	24867900	90384.20000000	191183
Int RSD	*0.36267677*	*0.45641478*	*1.21342578*	*0.47618173*	*1.31917854*	*1.06289595*	*0.33246889*
Int SD	*10407.30000000*	*88.42580000*	*1765.85000000*	*3864.31000000*	*328052*	*960.69000000*	*635.62400000*
RelInt Mean	0.11419000	0.02150830	0.00561077	---	---	---	0.23353900
RelInt RSD	*1.58597075*	*0.87131015*	*2.31647350*	---	---	---	*0.18459615*
RelInt SD	*0.00181102*	*0.00018740*	*0.00012997*	---	---	---	*0.00043110*
Conc Mean	1.00088000[mg/l]	1.07048000[mg/l]	0.95983500[mg/l]	806275	24819400	90380.70000000	1.04858000[mg/l]
Conc RSD	*1.58591440*	*0.86872805*	*2.33105690*	---	---	---	*0.18492437*
Conc SD	*0.01587310[mg/l]*	*0.00929956[mg/l]*	*0.02237430[mg/l]*	*3884.42000000*	*327730*	*945.41400000*	*0.00193908[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22545.10000000	71933.00000000	244991	113633	201701	43198.50000000	
Int RSD	*1.48218903*	*1.61619841*	*0.78013478*	*0.55179129*	*0.92649020*	*0.60576872*	
Int SD	*334.16100000*	*1162.58000000*	*1911.26000000*	*627.01700000*	*1868.74000000*	*261.68300000*	
RelInt Mean	0.24848900	0.78744000	0.29796700	0.13801800	0.24458600	0.05051190	
RelInt RSD	*0.40006358*	*1.10404221*	*0.30355845*	*0.52666102*	*0.43640683*	*1.10950687*	
RelInt SD	*0.00099411*	*0.00869367*	*0.00090450*	*0.00072689*	*0.00106739*	*0.00056043*	
Conc Mean	0.93471500[mg/l]	0.82942900[mg/l]	4.85954000[mg/l]	5.06694000[mg/l]	1.00001000[mg/l]	5.04268000[mg/l]	
Conc RSD	*0.39733395*	*1.10401011*	*0.30712989*	*0.52923066*	*0.44002060*	*1.10723861*	
Conc SD	*0.00371394[mg/l]*	*0.00915698[mg/l]*	*0.01492510[mg/l]*	*0.02681580[mg/l]*	*0.00440025[mg/l]*	*0.05583450[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992100	File:	met06_master011	Time:	30-JAN-2023 19:03
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	26727500	-2.13
Yttrium	A	802542	812465	1.24
Yttrium	R	91936	92438	0.55

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2023-01-30 19:03:44	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28316.20000000	597.54100000	1654.71000000	3991.34000000	4067.40000000	50.82970000	3766.49000000
Int RSD	*0.58661826*	*18.43605711*	*1.35065359*	*1.51469431*	*0.84885922*	*171.72007704*	*0.37890981*
Int SD	*166.10800000*	*110.16300000*	*22.34940000*	*60.45660000*	*34.52650000*	*87.28480000*	*14.27160000*
RelInt Mean	0.00002803	0.00535768	-0.00008633	0.00025090	0.00020096	-0.00026474	0.00002563
RelInt RSD	*29.21306819*	*23.43570351*	*60.31406262*	*12.05869341*	*4.30769958*	*545.80926875*	*179.48150749*
RelInt SD	*0.00000819*	*0.00125561*	*0.00005207*	*0.00003025*	*0.00000866*	*0.00144497*	*0.00004600*
Conc Mean	<0.00018043[mg/l]	<-0.00432920[mg/l]	<0.00005993[mg/l]	<0.00184196[mg/l]	<0.00033787[mg/l]	<0.00637260[mg/l]	<-0.00012459[mg/l]
Conc RSD	*182.35421262*	*3500.60057285*	*4765.44235804*	*19.86036613*	*6.77775476*	*1835.20070301*	*245.33466036*
Conc SD	*0.00032903[mg/l]*	*0.15154800[mg/l]*	*0.00285582[mg/l]*	*0.00036582[mg/l]*	*0.00002290[mg/l]*	*0.11695000[mg/l]*	*0.00030566[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	3783.25000000	29959.70000000	6788.74000000	-236.87900000	12.70700000	4636.72000000	2846.32000000
Int RSD	*1.62239609*	*1.08711703*	*3.12875438*	*33.75841674*	*536.49878020*	*1.55501303*	*6.22361505*
Int SD	*61.37930000*	*325.69700000*	*212.40300000*	*79.96660000*	*68.17290000*	*72.10160000*	*177.14400000*
RelInt Mean	0.00006755	0.00017110	0.00273337	-0.00133068	-0.00210572	0.00011130	0.00067294
RelInt RSD	*79.55759064*	*8.98482794*	*10.95614571*	*60.58594102*	*42.69698725*	*43.11640235*	*31.28524661*
RelInt SD	*0.00005374*	*0.00001537*	*0.00029947*	*0.00080620*	*0.00089908*	*0.00004799*	*0.00021053*
Conc Mean	<-0.00067792[mg/l]	<0.00049672[mg/l]	0.00756346[mg/l]	<-0.01711570[mg/l]	<-0.05878670[mg/l]	<-0.00000485[mg/l]	0.00423122[mg/l]
Conc RSD	*58.33753736*	*91.40919276*	*13.75415484*	*366.24794779*	*287.36772093*	*620.05734673*	*36.84965565*
Conc SD	*0.00039548[mg/l]*	*0.00045404[mg/l]*	*0.00104029[mg/l]*	*0.06268590[mg/l]*	*0.16893400[mg/l]*	*0.00003010[mg/l]*	*0.00155919[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	1743.83000000	4205.58000000	3871.92000000	2723.69000000	1919.90000000	1796.17000000	-40.94210000
Int RSD	*0.37553890*	*0.90244152*	*1.60894595*	*2.54010185*	*0.59547372*	*2.27475128*	*173.83231441*
Int SD	*6.54876000*	*37.95290000*	*62.29710000*	*69.18450000*	*11.43250000*	*40.85840000*	*71.17060000*
RelInt Mean	0.00885253	0.00024761	-0.00006775	0.00017856	0.00008128	0.00015385	-0.00111347
RelInt RSD	*4.64619719*	*17.11234784*	*102.82302343*	*41.22297082*	*30.65518590*	*41.42012180*	*42.68350292*
RelInt SD	*0.00041131*	*0.00004237*	*0.00006967*	*0.00007361*	*0.00002492*	*0.00006373*	*0.00047527*
Conc Mean	<-0.26109000[mg/l]	<0.00001527[mg/l]	<0.00074069[mg/l]	0.01309430[mg/l]	0.00612953[mg/l]	0.00241222[mg/l]	<0.00003794[mg/l]
Conc RSD	*1.39222873*	*3029.91690839*	*324.45827539*	*31.68195322*	*30.65536836*	*51.26398090*	*1220.97169983*
Conc SD	*0.00363497[mg/l]*	*0.00046274[mg/l]*	*0.00240323[mg/l]*	*0.00414853[mg/l]*	*0.00187903[mg/l]*	*0.00123660[mg/l]*	*0.00046323[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	34572.80000000	1659.66000000	6398.79000000	812465	26727500	92437.80000000	2781.01000000
Int RSD	*5.28345983*	*2.50726655*	*0.93779605*	*0.21382336*	*0.12632457*	*0.43249082*	*0.67437729*
Int SD	*1826.64000000*	*41.61210000*	*60.00760000*	*1737.24000000*	*33763.40000000*	*399.78500000*	*18.75450000*
RelInt Mean	0.00015461	-0.00005330	0.00003174	---	---	---	0.00039742
RelInt RSD	*44.33121184*	*53.12363977*	*15.41883530*	---	---	---	*4.50704296*
RelInt SD	*0.00006854*	*0.00002831*	*0.00000489*	---	---	---	*0.00001791*
Conc Mean	0.00131364[mg/l]	<-0.00009780[mg/l]	<-0.00023126[mg/l]	807549	26680300	92422.90000000	<0.00004220[mg/l]
Conc RSD	*45.73330593*	*1449.12258818*	*364.16846839*	---	---	---	*191.34396193*
Conc SD	*0.00060077[mg/l]*	*0.00141731[mg/l]*	*0.00084218[mg/l]*	*1750.06000000*	*33923.60000000*	*394.89400000*	*0.00008075[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-65.27520000	451.90000000	4414.60000000	2212.96000000	3828.65000000	2014.95000000	
Int RSD	*269.12671275*	*21.53925647*	*0.65336610*	*1.51661575*	*0.94843091*	*1.00132013*	
Int SD	*175.67300000*	*97.33590000*	*28.84350000*	*33.56210000*	*36.31210000*	*20.17610000*	
RelInt Mean	-0.00211456	0.00077916	0.00048474	0.00055631	0.00011528	-0.00009750	
RelInt RSD	*86.97459519*	*138.42781365*	*6.91037857*	*2.14485886*	*30.14061660*	*19.42827957*	
RelInt SD	*0.00183913*	*0.00107857*	*0.00003350*	*0.00001193*	*0.00003475*	*0.00001894*	
Conc Mean	<-0.00167428[mg/l]	<0.00082070[mg/l]	<0.00240229[mg/l]	<-0.00282041[mg/l]	<0.00033513[mg/l]	<0.00125293[mg/l]	
Conc RSD	*410.44269776*	*138.42749639*	*21.88898926*	*15.60287334*	*44.85924697*	*150.60697725*	
Conc SD	*0.00687196[mg/l]*	*0.00113608[mg/l]*	*0.00052584[mg/l]*	*0.00044007[mg/l]*	*0.00015034[mg/l]*	*0.00188700[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992111	File:	met06_master011	Time:	30-JAN-2023 19:39
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0300	1.000	1.049	mg/l	5	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	25338300	-7.22
Yttrium	A	802542	812648	1.26
Yttrium	R	91936	91089	-0.92

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S17901			Sample Type: Control Sample
Measure Date: 2023-01-30 19:39:38	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	326459	916.06500000	17642.70000000	71450.40000000	264801	58556.40000000	132343
Int RSD	*0.47103005*	*6.98084743*	*0.43465853*	*0.36907561*	*0.25959607*	*0.38247058*	*0.31133721*
Int SD	*1537.72000000*	*63.94910000*	*76.68550000*	*263.70600000*	*687.41300000*	*223.96100000*	*412.03300000*
RelInt Mean	0.01173790	0.00701410	0.01929190	0.08317960	0.32253600	0.64220400	0.15842800
RelInt RSD	*1.44709020*	*8.19670378*	*2.59286540*	*3.00744413*	*2.78024469*	*0.36164054*	*2.58485874*
RelInt SD	*0.00016986*	*0.00057493*	*0.00050021*	*0.00250158*	*0.00896729*	*0.00232247*	*0.00409514*
Conc Mean	0.47078800[mg/l]	<0.19559500[mg/l]	1.06184000[mg/l]	1.00455000[mg/l]	1.03709000[mg/l]	52.00510000[mg/l]	1.05329000[mg/l]
Conc RSD	*1.44997324*	*35.47713387*	*2.58067129*	*3.01090040*	*2.78263217*	*0.36150301*	*2.59130914*
Conc SD	*0.00682630[mg/l]*	*0.06939150[mg/l]*	*0.02740260[mg/l]*	*0.03024600[mg/l]*	*0.02885840[mg/l]*	*0.18800000[mg/l]*	*0.02729400[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	115581	860830	254240	57828.40000000	24372.60000000	1363160	116679
Int RSD	*0.45774911*	*0.64132059*	*0.57705318*	*0.60077747*	*0.71165571*	*0.12892470*	*0.60844796*
Int SD	*529.07100000*	*5520.68000000*	*1467.10000000*	*347.42000000*	*173.44900000*	*1757.45000000*	*709.93100000*
RelInt Mean	0.13772200	0.03288000	0.30862400	0.63619700	0.26532300	1.68276000	0.14126000
RelInt RSD	*2.86344230*	*1.63854927*	*2.98817979*	*0.50549751*	*0.26947381*	*2.72148138*	*2.41829251*
RelInt SD	*0.00394359*	*0.00053876*	*0.00922224*	*0.00321596*	*0.00071498*	*0.04579600*	*0.00341608*
Conc Mean	1.01236000[mg/l]	0.96651500[mg/l]	1.07013000[mg/l]	49.55330000[mg/l]	50.19020000[mg/l]	1.05551000[mg/l]	1.04543000[mg/l]
Conc RSD	*2.86679640*	*1.64633762*	*2.99357087*	*0.50455570*	*0.26753629*	*2.72183115*	*2.42001856*
Conc SD	*0.02902230[mg/l]*	*0.01591210[mg/l]*	*0.03203510[mg/l]*	*0.25002400[mg/l]*	*0.13427700[mg/l]*	*0.02872920[mg/l]*	*0.02529960[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	445415	80323.70000000	28667.00000000	17759.00000000	13542.80000000	217126	99742.30000000
Int RSD	*0.47182740*	*1.12172871*	*0.49093731*	*0.52700546*	*0.78931240*	*0.46447224*	*0.29416607*
Int SD	*2101.59000000*	*901.01400000*	*140.73700000*	*93.59090000*	*106.89500000*	*1008.49000000*	*293.40800000*
RelInt Mean	4.86637000	0.09367680	0.03003790	0.01830000	0.01409480	0.26659900	1.09460000
RelInt RSD	*0.55711547*	*3.23576382*	*3.07075062*	*3.15441530*	*2.89230071*	*2.79029179*	*0.21106797*
RelInt SD	*0.02711130*	*0.00303116*	*0.00092239*	*0.00057726*	*0.00040766*	*0.00743889*	*0.00231035*
Conc Mean	42.66730000[mg/l]	1.02036000[mg/l]	1.04872000[mg/l]	1.02904000[mg/l]	1.06287000[mg/l]	5.17273000[mg/l]	1.06800000[mg/l]
Conc RSD	*0.56156588*	*3.24430593*	*3.06296247*	*3.14719544*	*2.89250802*	*2.79063473*	*0.21103184*
Conc SD	*0.23960500[mg/l]*	*0.03310360[mg/l]*	*0.03212190[mg/l]*	*0.03238590[mg/l]*	*0.03074360[mg/l]*	*0.14435200[mg/l]*	*0.00225382[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	2973260	19863.20000000	151002	812648	25338300	91089.40000000	196495
Int RSD	*0.43124718*	*0.45155816*	*0.61451305*	*2.55216281*	*0.99869762*	*0.46973193*	*0.40501183*
Int SD	*12822.10000000*	*89.69390000*	*927.92700000*	*20740.10000000*	*253053*	*427.87600000*	*795.82800000*
RelInt Mean	0.11612000	0.02205050	0.00571546	---	---	---	0.23985000
RelInt RSD	*1.20054254*	*3.03336886*	*1.59164967*	---	---	---	*2.86771732*
RelInt SD	*0.00139407*	*0.00066887*	*0.00009097*	---	---	---	*0.00687822*
Conc Mean	1.01779000[mg/l]	1.09745000[mg/l]	0.97785000[mg/l]	807245	25288500	91059.30000000	1.07696000[mg/l]
Conc RSD	*1.20114169*	*3.03784227*	*1.60255663*	---	---	---	*2.87253008*
Conc SD	*0.01222510[mg/l]*	*0.03333880[mg/l]*	*0.01567060[mg/l]*	*20746.40000000*	*253023*	*389.12200000*	*0.03093600[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22743.10000000	72531.80000000	249723	115952	205263	44122.20000000	
Int RSD	*1.25599852*	*1.16537298*	*0.56251126*	*0.25979888*	*0.84359578*	*0.24053424*	
Int SD	*285.65300000*	*845.26600000*	*1404.72000000*	*301.24200000*	*1731.59000000*	*106.12900000*	
RelInt Mean	0.24820000	0.78862800	0.30347500	0.14079700	0.24868900	0.05152440	
RelInt RSD	*0.97578566*	*0.80491943*	*2.92463959*	*2.47526581*	*3.11458890*	*2.82918384*	
RelInt SD	*0.00242190*	*0.00634782*	*0.00887555*	*0.00348510*	*0.00774564*	*0.00145772*	
Conc Mean	0.93363400[mg/l]	0.83068000[mg/l]	4.94947000[mg/l]	5.16943000[mg/l]	1.01672000[mg/l]	5.14354000[mg/l]	
Conc RSD	*0.96928454*	*0.80489358*	*2.93043498*	*2.48644435*	*3.11815446*	*2.82309460*	
Conc SD	*0.00904957[mg/l]*	*0.00668609[mg/l]*	*0.14504100[mg/l]*	*0.12853500[mg/l]*	*0.03170290[mg/l]*	*0.14520700[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992112	File:	met06_master011	Time:	30-JAN-2023 19:42
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27217400	-0.34
Yttrium	A	802542	824715	2.76
Yttrium	R	91936	92335	0.43

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1 | Sample Type: Control Sample

Measure Date: 2023-01-30 19:42:51 | Recalculation Date: | State: Checked | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28520.30000000	613.86500000	1680.30000000	3993.63000000	4057.80000000	-34.67930000	3803.91000000
Int RSD	*0.21741006*	*0.78806089*	*1.64074272*	*1.06676633*	*1.33489576*	*267.14524226*	*0.52178416*
Int SD	*62.00600000*	*4.83763000*	*27.56940000*	*42.60270000*	*54.16740000*	*92.64410000*	*19.84820000*
RelInt Mean	0.00002661	0.00558635	-0.00009564	0.00023688	0.00016098	-0.00129633	0.00002991
RelInt RSD	*26.46609109*	*14.19302407*	*54.46081301*	*11.73688565*	*17.86793390*	*102.09205989*	*85.13043595*
RelInt SD	*0.00000704*	*0.00079287*	*0.00005209*	*0.00002780*	*0.00002876*	*0.00132345*	*0.00002546*
Conc Mean	<0.00012336[mg/l]	<0.02326950[mg/l]	<-0.00045087[mg/l]	<0.00167245[mg/l]	<0.00020731[mg/l]	<-0.07712020[mg/l]	<-0.00009647[mg/l]
Conc RSD	*229.39340634*	*411.25679538*	*633.50211700*	*20.10033185*	*46.71456687*	*138.89227466*	*174.94542447*
Conc SD	*0.00028298[mg/l]*	*0.09569740[mg/l]*	*0.00285629[mg/l]*	*0.00033617[mg/l]*	*0.00009684[mg/l]*	*0.10711400[mg/l]*	*0.00016877[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	3810.60000000	30174.20000000	6465.33000000	-295.17700000	-38.32960000	4674.56000000	2905.78000000
Int RSD	*0.31930667*	*1.94315674*	*2.44596950*	*26.90273971*	*279.55418267*	*0.36768166*	*6.75082078*
Int SD	*12.16750000*	*586.33200000*	*158.14000000*	*79.41070000*	*107.15200000*	*17.18750000*	*196.16400000*
RelInt Mean	0.00009730	0.00016403	0.00227039	-0.00174927	-0.00177579	0.00013460	0.00072830
RelInt RSD	*33.74896580*	*10.86310014*	*9.47048745*	*50.04619070*	*45.40536888*	*33.50178306*	*36.02888374*
RelInt SD	*0.00003284*	*0.00001782*	*0.00021502*	*0.00087544*	*0.00080630*	*0.00004509*	*0.00026240*
Conc Mean	<-0.00045899[mg/l]	<0.00028766[mg/l]	0.00595522[mg/l]	<-0.04966310[mg/l]	<0.00320603[mg/l]	<0.00000976[mg/l]	0.00464122[mg/l]
Conc RSD	*52.64896262*	*182.93726665*	*12.54198837*	*137.06172188*	*4725.53282408*	*289.69419524*	*41.87088740*
Conc SD	*0.00024165[mg/l]*	*0.00052624[mg/l]*	*0.00074690[mg/l]*	*0.06806910[mg/l]*	*0.15150200[mg/l]*	*0.00002829[mg/l]*	*0.00194332[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	1930.90000000	4238.46000000	3869.52000000	2744.44000000	1938.09000000	1819.28000000	-95.87320000
Int RSD	*3.72299446*	*0.25137668*	*0.12700903*	*1.05653977*	*1.36329066*	*1.71667913*	*47.61320160*
Int SD	*71.88730000*	*10.65450000*	*4.91464000*	*28.99610000*	*26.42180000*	*31.23120000*	*45.64830000*
RelInt Mean	0.01194140	0.00023796	-0.00009592	0.00018029	0.00007522	0.00017316	-0.00143651
RelInt RSD	*9.98526136*	*11.18735239*	*28.77028953*	*11.03646428*	*51.38936713*	*25.53533067*	*50.95411797*
RelInt SD	*0.00119238*	*0.00002662*	*0.00002760*	*0.00001990*	*0.00003865*	*0.00004422*	*0.00073196*
Conc Mean	<-0.23379200[mg/l]	<-0.00009009[mg/l]	<-0.00024387[mg/l]	0.01319050[mg/l]	0.00567209[mg/l]	0.00278695[mg/l]	<-0.00027692[mg/l]
Conc RSD	*4.50716877*	*322.70926064*	*399.80194528*	*8.49565976*	*51.38952309*	*30.78795816*	*257.62447459*
Conc SD	*0.01053740[mg/l]*	*0.00029073[mg/l]*	*0.00097501[mg/l]*	*0.00112062[mg/l]*	*0.00291486[mg/l]*	*0.00085805[mg/l]*	*0.00071342[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	35700.50000000	1675.39000000	6572.10000000	824715	27217400	92334.70000000	2792.83000000
Int RSD	*5.92299828*	*1.21134781*	*1.43266840*	*0.14816997*	*0.09218074*	*0.49219091*	*1.06528861*
Int SD	*2114.54000000*	*20.29480000*	*94.15640000*	*1221.98000000*	*25089.20000000*	*454.46300000*	*29.75170000*
RelInt Mean	0.00017863	-0.00003271	0.00003536	---	---	---	0.00040373
RelInt RSD	*42.47060931*	*52.89480845*	*5.50338493*	---	---	---	*4.70041711*
RelInt SD	*0.00007586*	*0.00001730*	*0.00000195*	---	---	---	*0.00001898*
Conc Mean	0.00152419[mg/l]	<0.00092817[mg/l]	<0.00039216[mg/l]	819755	27169700	92332.80000000	<0.00007048[mg/l]
Conc RSD	*43.62822220*	*92.27585122*	*85.25616016*	---	---	---	*121.12703633*
Conc SD	*0.00066498[mg/l]*	*0.00085647[mg/l]*	*0.00033434[mg/l]*	*1235.91000000*	*25068.80000000*	*479.64400000*	*0.00008537[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-90.72370000	385.18900000	4419.54000000	2344.29000000	3849.09000000	2044.90000000	
Int RSD	*39.31971469*	*25.19770814*	*1.41466759*	*2.82550794*	*0.40043491*	*1.23616314*	
Int SD	*35.67230000*	*97.05880000*	*62.52180000*	*66.23810000*	*15.41310000*	*25.27830000*	
RelInt Mean	-0.00193542	0.00026638	0.00052712	0.00067309	0.00008593	-0.00009632	
RelInt RSD	*36.93027870*	*464.86598093*	*13.01715372*	*11.73501573*	*30.28143117*	*6.59647651*	
RelInt SD	*0.00071476*	*0.00123831*	*0.00006862*	*0.00007899*	*0.00002602*	*0.00000635*	
Conc Mean	<-0.00100493[mg/l]	<0.00028058[mg/l]	<0.00308825[mg/l]	<0.00148664[mg/l]	<0.00021654[mg/l]	<0.00137075[mg/l]	
Conc RSD	*265.76179435*	*464.87301395*	*35.25912734*	*195.95396330*	*51.16261886*	*46.17391939*	
Conc SD	*0.00267072[mg/l]*	*0.00130435[mg/l]*	*0.00108889[mg/l]*	*0.00291313[mg/l]*	*0.00011079[mg/l]*	*0.00063293[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992123	File:	met06_master011	Time:	30-JAN-2023 20:18
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0306	1.000	1.069	mg/l	7	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	25711500	-5.85
Yttrium	A	802542	812428	1.23
Yttrium	R	91936	93230	1.41

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S17901			Sample Type: Control Sample
Measure Date: 2023-01-30 20:18:39	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	324702	965.37300000	17581.70000000	72004.70000000	271133	59168.10000000	134441
Int RSD	*0.39199943*	*5.48132173*	*0.18058550*	*0.45769929*	*0.11936651*	*1.36722829*	*0.19896460*
Int SD	*1272.83000000*	*52.91520000*	*31.75000000*	*329.56500000*	*323.64200000*	*808.96300000*	*267.49000000*
RelInt Mean	0.01150830	0.00764449	0.01923590	0.08393140	0.33037800	0.63462100	0.16110800
RelInt RSD	*0.66192226*	*7.25361666*	*0.82211386*	*0.56049702*	*0.45629854*	*0.24645103*	*0.38833019*
RelInt SD	*0.00007618*	*0.00055450*	*0.00015814*	*0.00047043*	*0.00150751*	*0.00156403*	*0.00062563*
Conc Mean	0.46156000[mg/l]	0.27168000[mg/l]	1.05875000[mg/l]	1.01365000[mg/l]	1.06234000[mg/l]	51.39140000[mg/l]	1.07118000[mg/l]
Conc RSD	*0.66319005*	*24.63442285*	*0.81883636*	*0.56115128*	*0.45674455*	*0.24626105*	*0.38839411*
Conc SD	*0.00306102[mg/l]*	*0.06692680[mg/l]*	*0.00866943[mg/l]*	*0.00568811[mg/l]*	*0.00485218[mg/l]*	*0.12655700[mg/l]*	*0.00416040[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	117626	860872	260106	58894.60000000	24299.30000000	1382650	118716
Int RSD	*0.39860830*	*0.51448647*	*0.36823795*	*0.72535173*	*1.54954669*	*0.83802842*	*0.16973112*
Int SD	*468.86700000*	*4429.07000000*	*957.80900000*	*427.19300000*	*376.52900000*	*11587.00000000*	*201.49800000*
RelInt Mean	0.14031900	0.03240740	0.31591600	0.63302700	0.25861100	1.70643000	0.14379700
RelInt RSD	*0.62151954*	*0.70410462*	*0.66394864*	*1.46720598*	*0.74797669*	*0.28532726*	*0.40063145*
RelInt SD	*0.00087211*	*0.00022818*	*0.00209752*	*0.00928781*	*0.00193435*	*0.00486891*	*0.00057610*
Conc Mean	1.03147000[mg/l]	0.95255700[mg/l]	1.09546000[mg/l]	49.30680000[mg/l]	48.92930000[mg/l]	1.07036000[mg/l]	1.06421000[mg/l]
Conc RSD	*0.62200743*	*0.70761645*	*0.66540814*	*1.46473306*	*0.74271040*	*0.28522927*	*0.40082221*
Conc SD	*0.00641582[mg/l]*	*0.00674045[mg/l]*	*0.00728928[mg/l]*	*0.72221300[mg/l]*	*0.36340300[mg/l]*	*0.00305298[mg/l]*	*0.00426559[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	440225	82317.10000000	29066.10000000	18040.20000000	13538.40000000	220823	101001
Int RSD	*1.72214663*	*0.86383267*	*0.49146944*	*0.63463820*	*0.48320481*	*0.25645517*	*1.05781131*
Int SD	*7581.32000000*	*711.08200000*	*142.85100000*	*114.49000000*	*65.41820000*	*566.31200000*	*1068.40000000*
RelInt Mean	4.70038000	0.09624300	0.03061960	0.01870440	0.01413660	0.27110800	1.08324000
RelInt RSD	*2.62240500*	*0.42882703*	*1.04157468*	*1.25335750*	*0.47254078*	*0.41608510*	*0.40152598*
RelInt SD	*0.12326300*	*0.00041272*	*0.00031893*	*0.00023443*	*0.00006680*	*0.00112804*	*0.00434949*
Conc Mean	41.20030000[mg/l]	1.04838000[mg/l]	1.06895000[mg/l]	1.05173000[mg/l]	1.06602000[mg/l]	5.26024000[mg/l]	1.05693000[mg/l]
Conc RSD	*2.64400987*	*0.42961140*	*1.03759764*	*1.25522710*	*0.47274535*	*0.41617303*	*0.40110225*
Conc SD	*1.08934000[mg/l]*	*0.00450396[mg/l]*	*0.01109140[mg/l]*	*0.01320160[mg/l]*	*0.00503956[mg/l]*	*0.02189170[mg/l]*	*0.00423937[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	2942590	19872.60000000	150350	812428	25711500	93229.90000000	199359
Int RSD	*0.91985632*	*0.37296780*	*0.31083605*	*0.54986411*	*0.40588064*	*1.43613798*	*0.38527832*
Int SD	*27067.60000000*	*74.11840000*	*467.34200000*	*4467.25000000*	*104358*	*1338.91000000*	*768.08700000*
RelInt Mean	0.11324400	0.02205630	0.00560598	---	---	---	0.24334600
RelInt RSD	*0.90380064*	*0.82941382*	*0.58966318*	---	---	---	*0.32534293*
RelInt SD	*0.00102350*	*0.00018294*	*0.00003306*	---	---	---	*0.00079171*
Conc Mean	0.99258400[mg/l]	1.09775000[mg/l]	0.95899400[mg/l]	807149	25661900	93196.30000000	1.09268000[mg/l]
Conc RSD	*0.90383685*	*0.82849920*	*0.59320809*	---	---	---	*0.32543746*
Conc SD	*0.00897134[mg/l]*	*0.00909485[mg/l]*	*0.00568883[mg/l]*	*4499.40000000*	*104638*	*1309.56000000*	*0.00355599[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	23039.00000000	72158.80000000	254443	117638	210309	44734.70000000	
Int RSD	*1.93163332*	*1.45384901*	*0.21504148*	*0.04549508*	*0.09922067*	*0.40890629*	
Int SD	*445.02900000*	*1049.08000000*	*547.15800000*	*53.51950000*	*208.67000000*	*182.92300000*	
RelInt Mean	0.24670700	0.76656200	0.30938300	0.14280700	0.25496500	0.05231740	
RelInt RSD	*0.84654266*	*1.36719535*	*0.45579427*	*0.53429454*	*0.47503383*	*0.35789049*	
RelInt SD	*0.00208848*	*0.01048040*	*0.00141015*	*0.00076301*	*0.00121117*	*0.00018724*	
Conc Mean	0.92805600[mg/l]	0.80743800[mg/l]	5.04598000[mg/l]	5.24353000[mg/l]	1.04248000[mg/l]	5.22253000[mg/l]	
Conc RSD	*0.84091369*	*1.36721333*	*0.45674180*	*0.53657937*	*0.47394291*	*0.35708555*	
Conc SD	*0.00780415[mg/l]*	*0.01103940[mg/l]*	*0.02304710[mg/l]*	*0.02813570[mg/l]*	*0.00494076[mg/l]*	*0.01864890[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992124	File:	met06_master011	Time:	30-JAN-2023 20:21
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	27561600	0.92
Yttrium	A	802542	854300	6.45
Yttrium	R	91936	93806	2.03

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-01-30 20:21:54	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	27902.70000000	581.06800000	1653.68000000	3942.54000000	3997.52000000	22.77690000	3680.06000000
Int RSD	*1.15211790*	*8.18952343*	*1.34362755*	*1.05039137*	*0.16525671*	*240.29784562*	*1.07444716*
Int SD	*321.47200000*	*47.58670000*	*22.21930000*	*41.41210000*	*6.60617000*	*54.73240000*	*39.54030000*
RelInt Mean	0.00002360	0.00550962	-0.00007072	0.00024374	0.00018554	-0.00022335	-0.00001463
RelInt RSD	*17.40269426*	*21.34974826*	*29.27871236*	*22.36843725*	*1.74964563*	*177.42829511*	*213.99513355*
RelInt SD	*0.00000411*	*0.00117629*	*0.00002070*	*0.00005452*	*0.00000325*	*0.00039628*	*0.00003131*
Conc Mean	<0.00000252[mg/l]	<0.01400880[mg/l]	<0.00091657[mg/l]	<0.00175546[mg/l]	<0.00028539[mg/l]	<0.00972289[mg/l]	<-0.00039370[mg/l]
Conc RSD	*6543.69347760*	*1013.46296614*	*123.86929109*	*37.55346177*	*4.27939213*	*329.87311386*	*53.31396146*
Conc SD	*0.00016505[mg/l]*	*0.14197400[mg/l]*	*0.00113535[mg/l]*	*0.00065924[mg/l]*	*0.00001221[mg/l]*	*0.03207320[mg/l]*	*0.00020990[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	3692.50000000	29603.10000000	6891.15000000	-200.05000000	-33.58690000	4641.00000000	2911.58000000
Int RSD	*1.52747461*	*1.12180819*	*3.53550568*	*32.56965759*	*186.10648795*	*1.46225598*	*6.97892553*
Int SD	*56.40200000*	*332.09000000*	*243.63700000*	*65.15560000*	*62.50740000*	*67.86330000*	*203.19700000*
RelInt Mean	0.00003850	0.00015869	0.00280050	-0.00115964	-0.00240377	0.00021640	0.00077261
RelInt RSD	*48.97282866*	*9.68296479*	*10.19982146*	*59.70094167*	*58.24309314*	*33.28695339*	*31.33875736*
RelInt SD	*0.00001886*	*0.00001537*	*0.00028565*	*0.00069232*	*0.00140003*	*0.00007203*	*0.00024213*
Conc Mean	<-0.00089167[mg/l]	<0.00013005[mg/l]	0.00779668[mg/l]	<-0.00381640[mg/l]	<-0.11479000[mg/l]	<0.00006108[mg/l]	0.00496942[mg/l]
Conc RSD	*15.56304462*	*348.94924221*	*12.72657080*	*1410.50204381*	*229.16804600*	*73.98149558*	*36.08489522*
Conc SD	*0.00013877[mg/l]*	*0.00045381[mg/l]*	*0.00099225[mg/l]*	*0.05383040[mg/l]*	*0.26306200[mg/l]*	*0.00004519[mg/l]*	*0.00179321[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	2208.21000000	4153.02000000	3823.86000000	2679.63000000	1900.12000000	1794.32000000	-114.19300000
Int RSD	*2.11833114*	*1.28653606*	*0.65487492*	*1.78647425*	*0.81944825*	*4.43421463*	*39.49707951*
Int SD	*46.77720000*	*53.43010000*	*25.04150000*	*47.87090000*	*15.57050000*	*79.56400000*	*45.10290000*
RelInt Mean	0.01420400	0.00024733	-0.00005103	0.00014662	0.00007558	0.00016369	-0.00207604
RelInt RSD	*2.00502675*	*24.47607072*	*22.64104353*	*35.20961923*	*38.78422936*	*67.05011974*	*24.62833086*
RelInt SD	*0.00028479*	*0.00006054*	*0.00001155*	*0.00005163*	*0.00002931*	*0.00010975*	*0.00051129*
Conc Mean	<-0.21379600[mg/l]	<0.00001229[mg/l]	<0.00132021[mg/l]	0.01129470[mg/l]	0.00569926[mg/l]	<0.00260306[mg/l]	<-0.00090025[mg/l]
Conc RSD	*1.17721099*	*5378.35265406*	*29.49508033*	*25.77492098*	*38.78433340*	*81.81678486*	*55.35643869*
Conc SD	*0.00251683[mg/l]*	*0.00066113[mg/l]*	*0.00038940[mg/l]*	*0.00291120[mg/l]*	*0.00221042[mg/l]*	*0.00212974[mg/l]*	*0.00049835[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	36057.40000000	1642.20000000	6302.38000000	854300	27561600	93805.70000000	2816.79000000
Int RSD	*10.28077454*	*0.20009012*	*1.03539139*	*0.34775020*	*0.60827746*	*0.28260116*	*0.89220709*
Int SD	*3706.98000000*	*3.28588000*	*65.25430000*	*2970.83000000*	*167651*	*265.09600000*	*25.13160000*
RelInt Mean	0.00021501	-0.00003709	0.00003009	---	---	---	0.00045924
RelInt RSD	*63.01613878*	*51.07503397*	*6.93893424*	---	---	---	*14.44345730*
RelInt SD	*0.00013549*	*0.00001894*	*0.00000209*	---	---	---	*0.00006633*
Conc Mean	0.00184309[mg/l]	<0.00070784[mg/l]	<-0.00051643[mg/l]	849376	27514400	93794.30000000	<0.00032047[mg/l]
Conc RSD	*64.43689673*	*132.56677375*	*69.52849370*	---	---	---	*93.14874855*
Conc SD	*0.00118763[mg/l]*	*0.00093836[mg/l]*	*0.00035907[mg/l]*	*2945.82000000*	*167957*	*230.89600000*	*0.00029851[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-129.61400000	458.85500000	4396.49000000	2285.64000000	3766.46000000	1983.08000000	
Int RSD	*95.46190998*	*16.92329821*	*3.96361643*	*2.75306260*	*0.28786712*	*0.50630333*	
Int SD	*123.73200000*	*77.65340000*	*174.26000000*	*62.92510000*	*10.84240000*	*10.04040000*	
RelInt Mean	-0.00234090	0.00081691	0.00057353	0.00066483	0.00010191	-0.00009958	
RelInt RSD	*41.15630740*	*80.08057181*	*42.72562582*	*10.81782944*	*28.32165636*	*16.33883688*	
RelInt SD	*0.00096343*	*0.00065419*	*0.00024504*	*0.00007192*	*0.00002886*	*0.00001627*	
Conc Mean	<-0.00252003[mg/l]	<0.00086047[mg/l]	<0.00384223[mg/l]	<0.00118217[mg/l]	<0.00027714[mg/l]	<0.00104553[mg/l]	
Conc RSD	*142.85068035*	*80.08042117*	*103.90476364*	*224.37720463*	*43.28802514*	*155.02472430*	
Conc SD	*0.00359988[mg/l]*	*0.00068907[mg/l]*	*0.00399226[mg/l]*	*0.00265252[mg/l]*	*0.00011997[mg/l]*	*0.00162083[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992135	File:	met06_master011	Time:	30-JAN-2023 20:57
Cal:	483043992001	Caldate:	30-JAN-2023		

Standards: S17901, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0240	0.0294	1.000	1.025	mg/l	3	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	24807100	-9.16
Yttrium	A	802542	821339	2.34
Yttrium	R	91936	88775	-3.44

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S17901	Sample Type: Control Sample		
Measure Date: 2023-01-30 20:57:46	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	316511	904.58300000	17180.30000000	70667.00000000	262906	56880.70000000	130439
Int RSD	*0.98096117*	*6.43653485*	*0.92898261*	*0.11401262*	*0.56559759*	*0.79118752*	*0.25512768*
Int SD	*3104.85000000*	*58.22380000*	*159.60200000*	*80.56930000*	*1486.99000000*	*450.03300000*	*332.78600000*
RelInt Mean	0.01162760	0.00684567	0.01859500	0.08150350	0.31677400	0.63955400	0.15454200
RelInt RSD	*1.22087963*	*18.45385477*	*1.11056198*	*0.46508187*	*0.25982720*	*0.07175516*	*0.14068279*
RelInt SD	*0.00014196*	*0.00126329*	*0.00020651*	*0.00037906*	*0.00082307*	*0.00045891*	*0.00021741*
Conc Mean	0.46635500[mg/l]	<0.17526500[mg/l]	1.02364000[mg/l]	0.98428800[mg/l]	1.01857000[mg/l]	51.79070000[mg/l]	1.02741000[mg/l]
Conc RSD	*1.22355073*	*86.99626280*	*1.10645344*	*0.46558528*	*0.25969055*	*0.07169202*	*0.14065466*
Conc SD	*0.00570609[mg/l]*	*0.15247400[mg/l]*	*0.01132610[mg/l]*	*0.00458270[mg/l]*	*0.00264513[mg/l]*	*0.03712980[mg/l]*	*0.00144510[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	113941	839041	256447	56697.00000000	23551.80000000	1353490	115572
Int RSD	*0.15590086*	*1.36644097*	*0.84019700*	*2.10843607*	*1.11182585*	*0.58830579*	*0.50164400*
Int SD	*177.63500000*	*11465.00000000*	*2154.66000000*	*1195.42000000*	*261.85500000*	*7962.66000000*	*579.76000000*
RelInt Mean	0.13437500	0.03273400	0.30808200	0.64012400	0.26340400	1.65195000	0.13842500
RelInt RSD	*0.44243126*	*1.56334392*	*0.78520978*	*1.54879523*	*0.60452765*	*0.24784043*	*0.37737403*
RelInt SD	*0.00059452*	*0.00051174*	*0.00241909*	*0.00991421*	*0.00159235*	*0.00409420*	*0.00052238*
Conc Mean	0.98772700[mg/l]	0.96220500[mg/l]	1.06825000[mg/l]	49.85860000[mg/l]	49.82980000[mg/l]	1.03619000[mg/l]	1.02443000[mg/l]
Conc RSD	*0.44303841*	*1.57072557*	*0.78635993*	*1.54615854*	*0.60044993*	*0.24821220*	*0.37743526*
Conc SD	*0.00437601[mg/l]*	*0.01511360[mg/l]*	*0.00840029[mg/l]*	*0.77089300[mg/l]*	*0.29920300[mg/l]*	*0.00257195[mg/l]*	*0.00386656[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	438932	79459.00000000	28229.80000000	17442.10000000	13073.30000000	213506	97613.50000000
Int RSD	*1.01879790*	*0.51333015*	*0.11236141*	*0.66514927*	*0.55197387*	*0.37632807*	*0.72448381*
Int SD	*4471.83000000*	*407.88700000*	*31.71940000*	*116.01600000*	*72.16120000*	*803.48300000*	*707.19400000*
RelInt Mean	4.92178000	0.09180870	0.02935800	0.01784830	0.01348300	0.25921600	1.09903000
RelInt RSD	*1.65338150*	*0.37894557*	*0.46630901*	*0.49721990*	*0.46484239*	*0.13078668*	*0.20582605*
RelInt SD	*0.08137580*	*0.00034791*	*0.00013690*	*0.00008875*	*0.00006267*	*0.00033902*	*0.00226209*
Conc Mean	43.15700000[mg/l]	0.99995600[mg/l]	1.02505000[mg/l]	1.00371000[mg/l]	1.01674000[mg/l]	5.02948000[mg/l]	1.07232000[mg/l]
Conc RSD	*1.66640174*	*0.37972271*	*0.46519584*	*0.50075221*	*0.46505006*	*0.13070496*	*0.20549929*
Conc SD	*0.71916900[mg/l]*	*0.00379706[mg/l]*	*0.00476849[mg/l]*	*0.00502610[mg/l]*	*0.00472835[mg/l]*	*0.00657378[mg/l]*	*0.00220361[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	2889100	19425.80000000	145410	821339	24807100	88774.70000000	193176
Int RSD	*0.70481465*	*0.54635073*	*1.35757513*	*0.34194650*	*0.10792717*	*0.60057652*	*0.45020965*
Int SD	*20362.80000000*	*106.13300000*	*1974.05000000*	*2808.54000000*	*26773.60000000*	*533.16000000*	*869.69700000*
RelInt Mean	0.11525200	0.02136480	0.00562249	---	---	---	0.23316500
RelInt RSD	*0.80920071*	*0.55237119*	*1.50543265*	---	---	---	*0.19555679*
RelInt SD	*0.00093262*	*0.00011801*	*0.00008464*	---	---	---	*0.00045597*
Conc Mean	1.01018000[mg/l]	1.06330000[mg/l]	0.96185300[mg/l]	816168	24759000	88754.40000000	1.04689000[mg/l]
Conc RSD	*0.80957354*	*0.55072040*	*1.51490924*	---	---	---	*0.19606358*
Conc SD	*0.00817815[mg/l]*	*0.00585581[mg/l]*	*0.01457120[mg/l]*	*2844.06000000*	*27099.10000000*	*566.46800000*	*0.00205257[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22174.60000000	71510.30000000	247758	114303	204119	43526.00000000	
Int RSD	*1.43872719*	*0.96348778*	*0.58343626*	*0.21527694*	*0.57076509*	*0.54602996*	
Int SD	*319.03200000*	*688.99300000*	*1445.51000000*	*246.06800000*	*1165.04000000*	*237.66500000*	
RelInt Mean	0.24845600	0.79804800	0.29783900	0.13723600	0.24464800	0.05030270	
RelInt RSD	*1.03368001*	*0.59555941*	*0.29166194*	*0.15461322*	*0.44647412*	*0.28280391*	
RelInt SD	*0.00256824*	*0.00475285*	*0.00086868*	*0.00021219*	*0.00109229*	*0.00014226*	
Conc Mean	0.93459100[mg/l]	0.84060200[mg/l]	4.85749000[mg/l]	5.03806000[mg/l]	1.00027000[mg/l]	5.02184000[mg/l]	
Conc RSD	*1.02678070*	*0.59551607*	*0.29457395*	*0.15533380*	*0.45232387*	*0.28217347*	
Conc SD	*0.00959620[mg/l]*	*0.00500592[mg/l]*	*0.01430890[mg/l]*	*0.00782581[mg/l]*	*0.00452446[mg/l]*	*0.01417030[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 478371 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483043992136	File:	met06_master011	Time:	30-JAN-2023 21:01
Cal:	483043992001	Caldate:	30-JAN-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27309900	26927600	-1.40
Yttrium	A	802542	833357	3.84
Yttrium	R	91936	90889	-1.14

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2023-01-30 21:01:01	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	27629.60000000	640.24700000	1636.55000000	3915.59000000	3959.22000000	53.68480000	3709.86000000
Int RSD	*0.57830008*	*11.76364747*	*1.87623354*	*1.13244492*	*1.27273554*	*60.73003904*	*1.28164944*
Int SD	*159.78200000*	*75.31640000*	*30.70550000*	*44.34190000*	*50.39040000*	*32.60280000*	*47.54740000*
RelInt Mean	0.00003037	0.00595377	-0.00007471	0.00023498	0.00016238	-0.00050212	0.00003925
RelInt RSD	*21.85300906*	*10.86689610*	*66.53768524*	*18.29418799*	*10.24996613*	*47.49871047*	*59.02346059*
RelInt SD	*0.00000664*	*0.00064699*	*0.00004971*	*0.00004299*	*0.00001664*	*0.00023850*	*0.00002317*
Conc Mean	<0.00027480[mg/l]	<0.06761620[mg/l]	<0.00069690[mg/l]	<0.00164950[mg/l]	<0.00021003[mg/l]	<-0.01284000[mg/l]	<-0.00003458[mg/l]
Conc RSD	*97.07311215*	*115.48889172*	*391.14245003*	*31.51082146*	*27.71774789*	*150.33722741*	*443.19243395*
Conc SD	*0.00026675[mg/l]*	*0.07808920[mg/l]*	*0.00272586[mg/l]*	*0.00051977[mg/l]*	*0.00005821[mg/l]*	*0.01930330[mg/l]*	*0.00015324[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	3726.25000000	29154.60000000	7461.29000000	-248.92100000	-37.76650000	4771.83000000	2892.78000000
Int RSD	*1.75480711*	*1.45437427*	*5.38937637*	*53.98781139*	*206.18166894*	*0.88552610*	*7.17880378*
Int SD	*65.38850000*	*424.01700000*	*402.11700000*	*134.38700000*	*77.86760000*	*42.25580000*	*207.66700000*
RelInt Mean	0.00010224	0.00015326	0.00357929	-0.00147094	-0.00242878	0.00037176	0.00079484
RelInt RSD	*45.44888159*	*14.29375877*	*12.93795697*	*66.09780141*	*51.42705391*	*12.43212636*	*32.50654532*
RelInt SD	*0.00004647*	*0.00002191*	*0.00046309*	*0.00097226*	*0.00124905*	*0.00004622*	*0.00025838*
Conc Mean	<-0.00042260[mg/l]	<-0.00003043[mg/l]	0.01050190[mg/l]	<-0.02802170[mg/l]	<-0.11949000[mg/l]	0.00015853[mg/l]	0.00513406[mg/l]
Conc RSD	*80.92096545*	*2126.37342773*	*15.31722831*	*269.77984919*	*196.41225207*	*18.28779048*	*37.27186671*
Conc SD	*0.00034197[mg/l]*	*0.00064696[mg/l]*	*0.00160860[mg/l]*	*0.07559690[mg/l]*	*0.23469300[mg/l]*	*0.00002899[mg/l]*	*0.00191356[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	1910.64000000	4132.33000000	3812.82000000	2659.56000000	1861.25000000	1764.83000000	-23.24290000
Int RSD	*1.14025667*	*0.69269637*	*2.03494789*	*2.80264781*	*1.31889859*	*4.68135174*	*303.46342324*
Int SD	*21.78620000*	*28.62450000*	*77.58890000*	*74.53810000*	*24.54800000*	*82.61790000*	*70.53370000*
RelInt Mean	0.01175810	0.00023439	-0.00006687	0.00012241	0.00003029	0.00015551	-0.00111375
RelInt RSD	*7.79780747*	*4.92038910*	*110.59376654*	*54.01274406*	*80.30670694*	*56.57164537*	*42.75537598*
RelInt SD	*0.00091687*	*0.00001153*	*0.00007396*	*0.00006612*	*0.00002432*	*0.00008797*	*0.00047619*
Conc Mean	<-0.23541200[mg/l]	<-0.00012905[mg/l]	<0.00076060[mg/l]	0.00992665[mg/l]	<0.00228409[mg/l]	<0.00244435[mg/l]	<0.00003766[mg/l]
Conc RSD	*3.44202505*	*97.59628051*	*336.93707197*	*37.54307848*	*80.30681803*	*69.83942561*	*1232.25664281*
Conc SD	*0.00810294[mg/l]*	*0.00012595[mg/l]*	*0.00256274[mg/l]*	*0.00372677[mg/l]*	*0.00183428[mg/l]*	*0.00170712[mg/l]*	*0.00046413[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	35266.00000000	1634.10000000	6256.01000000	833357	26927600	90888.70000000	2970.70000000
Int RSD	*5.06036976*	*0.86702160*	*1.39464291*	*1.12692880*	*1.32809088*	*0.86600314*	*1.46149392*
Int SD	*1784.59000000*	*14.16800000*	*87.24900000*	*9391.34000000*	*357623*	*787.09900000*	*43.41660000*
RelInt Mean	0.00020051	-0.00002004	0.00003323	---	---	---	0.00066832
RelInt RSD	*35.93017805*	*57.37685288*	*15.85345378*	---	---	---	*4.34220784*
RelInt SD	*0.00007204*	*0.00001150*	*0.00000527*	---	---	---	*0.00002902*
Conc Mean	0.00171599[mg/l]	<0.00155815[mg/l]	<0.00002537[mg/l]	828512	26880200	90893.20000000	0.00126101[mg/l]
Conc RSD	*36.80015618*	*37.25116324*	*3572.46391090*	---	---	---	*10.34377206*
Conc SD	*0.00063149[mg/l]*	*0.00058043[mg/l]*	*0.00090650[mg/l]*	*9351.47000000*	*357655*	*763.24800000*	*0.00013044[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-45.52770000	461.57400000	4240.45000000	2246.78000000	3773.73000000	1975.12000000	
Int RSD	*195.48670370*	*23.70974102*	*0.67599429*	*2.18341360*	*1.51328261*	*1.34391834*	
Int SD	*89.00060000*	*109.43800000*	*28.66520000*	*49.05650000*	*57.10720000*	*26.54400000*	
RelInt Mean	-0.00210485	0.00120124	0.00041610	0.00062976	0.00015269	-0.00012688	
RelInt RSD	*44.73268879*	*63.35203623*	*8.22975522*	*9.33352282*	*27.18422948*	*28.60389969*	
RelInt SD	*0.00094156*	*0.00076101*	*0.00003424*	*0.00005878*	*0.00004151*	*0.00003629*	
Conc Mean	<-0.00163801[mg/l]	<0.00126529[mg/l]	<0.00125589[mg/l]	<-0.00011142[mg/l]	<0.00048636[mg/l]	<-0.00167375[mg/l]	
Conc RSD	*214.78257153*	*63.35219594*	*42.22583188*	*1945.59471563*	*35.79269634*	*216.00119492*	
Conc SD	*0.00351816[mg/l]*	*0.00080159[mg/l]*	*0.00053031[mg/l]*	*0.00216784[mg/l]*	*0.00017408[mg/l]*	*0.00361532[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
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enthalpy.com

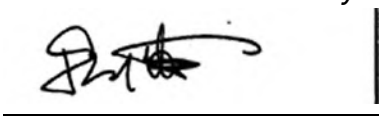
Lab Job Number: 478373
Report Level: II
Report Date: 02/06/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478373
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-P-LA	478373-001	01/27/23 08:40	Wipe
AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-L-LA	478373-002	01/27/23 08:40	Wipe
AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-P-LA	478373-003	01/27/23 09:40	Wipe
AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-L-LA	478373-004	01/27/23 09:40	Wipe
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-LA	478373-005	01/27/23 10:15	Wipe
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-DUP-LA	478373-006	01/27/23 10:15	Wipe
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-L-LA	478373-007	01/27/23 10:15	Wipe
AFRAME-C4W-MED-L2-INT-0 TO 1-230127-P-FB	478373-008	01/27/23 09:50	Wipe
AFRAME-C4W-MED-L2-INT-0 TO 1-230127-L-FB	478373-009	01/27/23 09:50	Wipe
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-P-FB	478373-010	01/27/23 09:55	Wipe
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-FB	478373-011	01/27/23 09:55	Wipe
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-DUP-FB	478373-012	01/27/23 09:55	Wipe
AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-P-I	478373-013	01/27/23 10:50	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478373
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-L-I	478373-014	01/27/23 10:50	Wipe
AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-P-LA	478373-015	01/27/23 10:32	Wipe
AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-L-LA	478373-016	01/27/23 10:32	Wipe
AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-P-FB	478373-017	01/27/23 11:10	Wipe
AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-L-FB	478373-018	01/27/23 11:10	Wipe
AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-P-LA	478373-019	01/27/23 12:10	Wipe
AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-L-LA	478373-020	01/27/23 12:10	Wipe
AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-P-WF	478373-021	01/27/23 11:55	Wipe
AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-L-WF	478373-022	01/27/23 11:55	Wipe
AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-P-SS	478373-023	01/27/23 11:45	Wipe
AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-L-SS	478373-024	01/27/23 11:45	Wipe
AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-P-CB	478373-025	01/27/23 11:31	Wipe
AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-L-CB	478373-026	01/27/23 11:31	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478373
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-LAT-L1-HS-3-230127-P-A	478373-027	01/27/23 11:20	Wipe
AFRAME-C3W-LAT-L1-HS-3-230127-L-A	478373-028	01/27/23 11:20	Wipe
AFRAME-C3W-MED-L1-HS-3-230127-P-G	478373-029	01/27/23 08:40	Wipe
AFRAME-C3W-MED-L1-HS-3-230127-L-G	478373-030	01/27/23 08:40	Wipe
AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-P-SS	478373-031	01/27/23 09:03	Wipe
AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-L-SS	478373-032	01/27/23 09:03	Wipe
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-P-I	478373-033	01/27/23 08:55	Wipe
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-L-I	478373-034	01/27/23 08:55	Wipe
AFRAME-C4W-EXT-L1-HS-3-230127-P-A	478373-035	01/27/23 09:12	Wipe
AFRAME-C4W-EXT-L1-HS-3-230127-P-DUP-A	478373-036	01/27/23 09:12	Wipe
AFRAME-C4W-EXT-L1-HS-3-230127-L-A	478373-037	01/27/23 09:12	Wipe
AFRAME-C5W-MED-L1-HS-3-230127-P-A	478373-038	01/27/23 09:25	Wipe
AFRAME-C5W-MED-L1-HS-3-230127-L-A	478373-039	01/27/23 09:25	Wipe
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-P-I	478373-040	01/27/23 09:33	Wipe
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-L-I	478373-041	01/27/23 09:33	Wipe
AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-P-WF	478373-042	01/27/23 09:45	Wipe
AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-L-WF	478373-043	01/27/23 09:45	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478373
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-P-LA	478373-044	01/27/23 10:00	Wipe
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-L-LA	478373-045	01/27/23 10:00	Wipe
AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-P-FB	478373-046	01/27/23 10:15	Wipe
AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-L-FB	478373-047	01/27/23 10:15	Wipe
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-P-WF	478373-048	01/27/23 10:36	Wipe
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-WF	478373-049	01/27/23 10:36	Wipe
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-DUP-WF	478373-050	01/27/23 10:36	Wipe
AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-P-CB	478373-051	01/27/23 10:25	Wipe
AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-L-CB	478373-052	01/27/23 10:25	Wipe
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-P-FB	478373-053	01/27/23 11:00	Wipe
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-L-FB	478373-054	01/27/23 11:00	Wipe
AFRAME-C3W-MED-L1-DN-C3W-DG-230127-P-SS	478373-055	01/27/23 11:10	Wipe
AFRAME-C3W-MED-L1-DN-C3W-DG-230127-L-SS	478373-056	01/27/23 11:10	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478373
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	01/27/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-P-CB	478373-057	01/27/23 11:20	Wipe
AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-L-CB	478373-058	01/27/23 11:20	Wipe
AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-P-FB	478373-059	01/27/23 11:35	Wipe
AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-L-FB	478373-060	01/27/23 11:35	Wipe
AFRAME-C5W-MED-L1-DN-C5W-DG-230127-P-SS	478373-061	01/27/23 11:50	Wipe
AFRAME-C5W-MED-L1-DN-C5W-DG-230127-L-SS	478373-062	01/27/23 11:50	Wipe
230127-P-MEDBLANK2	478373-063	01/27/23 08:35	Wipe
230127-L-MEDBLANK2	478373-064	01/27/23 08:35	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478373 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/27/23

This data package contains sample and QC results for sixty four wipe samples, requested for the above referenced project on 01/30/23. The samples were received cold and intact.

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

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

478373

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-P-LA	1/27/2023	0940	WP	1	–	X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
2	AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-L-LA	1/27/2023	0840	WP	1	–		X		Report PCB concentrations on a µg/100cm2 basis
3	AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-P-LA	1/27/2023	0940	WP	1	–	X			Report lead concentrations on a µg/ft2 basis
4	AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-L-LA	1/27/2023	0940	WP	1	–		X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-LA	1/27/2023	1015	WP	1	–	X			Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)
6	AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-DUP-LA	1/27/2023	1015	WP	1	–	X			
7	AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-L-LA	1/27/2023	1015	WP	1	–		X		
8	AFRAME-C4W-MED-L2-INT-0 TO 1-230127-P-FB	1/27/2023	0950	WP	1	–	X			
9	AFRAME-C4W-MED-L2-INT-0 TO 1-230127-L-FB	1/27/2023	0950	WP	1	–		X		
10	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-P-FB	1/27/2023	0955	WP	1	–	X			
11	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-FB	1/27/2023	0955	WP	1	–		X		
12	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-DUP-FB	1/27/2023	0955	WP	1	–		X		
13	AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-P-I	1/27/2023	1050	WP	1	–	X			
14	AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-L-I	1/27/2023	1050	WP	1	–		X		
15	AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-P-LA	1/27/2023	1032	WP	1	–	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michael Kim	Rincon / Env Scientist	1/27/23 @ 1353
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	1/27/23 @ 13:53
[2] Relinquished By:	Audrey Hudson	"	"	1/27/23 16:50
[2] Received By:		Marcus Ellis	BH Enthalpy	1/27/23 16:70
[3] Relinquished By:		JJP		1.27.23 17:18
[3] Received By:		Geena Sylvester	EA	1/28/23 11:14

478373

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B							HOLD	Test Instructions / Comments
16	AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-L- LA	1/27/2023	1032	WP	1	--		X								
17	AFRAME-C3W-MED-L1-INT-2 TO 3-230127-P- FB	1/27/2023	1110	WP	1	--	X									
18	AFRAME-C3W-MED-L1-INT-2 TO 3-230127-L- FB	1/27/2023	1110	WP	1	--		X								
19	AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-P- LA	1/27/2023	1210	WP	1	--	X									
20	AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-L- LA	1/27/2023	1210	WP	1	--		X								4x Rivet Type 2 = 0.0400 ft2
21	AFRAME-C4W-MED-L1-EXT-2 TO 3-230127-P- WF	1/27/2023	1155	WP	1	--	X									
22	AFRAME-C4W-MED-L1-EXT-2 TO 3-230127-L- WF	1/27/2023	1155	WP	1	--		X								
23	AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-P- SS	1/27/2023	1145	WP	1	--	X									
24	AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-L- SS	1/27/2023	1145	WP	1	--		X								
25	AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-P- CB	1/27/2023	1131	WP	1	--	X									
26	AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-L- CB	1/27/2023	1131	WP	1	--		X								
27	AFRAME-C3W-LAT-L1-HS-3-230127-P- A	1/27/2023	1120	WP	1	--	X									
28	AFRAME-C3W-LAT-L1-HS-3-230127-L- A	1/27/2023	1120	WP	1	--		X								
29	AFRAME-C3W-MED-L1-HS-3-230127-P- G	1/27/2023	0840	WP	1	--	X									
30	AFRAME-C3W-MED-L1-HS-3-230127-L- G	1/27/2023	0840	WP	1	--		X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/EAW Scientist	1/27/23@1353
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	1/27/23 @13:53
[2] Relinquished By:	Audrey Hudson			1/27/23 16:50
[2] Received By:		Maxwell	B.A	1/27/23 16:50
[3] Relinquished By:				
[3] Received By:			E.A.	1/28/23 11:14

478373

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B							HOLD	Test Instructions / Comments
31	AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-P-GS	1/27/2023	0903	WP	1	–	X									**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)
32	AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-L-SS	1/27/2023	0903	WP	1	–		X								
33	AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-P-I	1/27/2023	0855	WP	1	–	X									
34	AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-L-I	1/27/2023	0855	WP	1	–		X								
35	AFRAME-C4W-EXT-L1-HS-3-230127-P-A	1/27/2023	0912	WP	1	–	X									
36	AFRAME-C4W-EXT-L1-HS-3-230127 -P-DUP-A	1/27/2023	0917	WP	1	–	X									
37	AFRAME-C4W-EXT-L1-HS-3-230127-L-A	1/27/2023	0917	WP	1	–		X								
38	AFRAME-C5W-MED-L1-HS-3-230127-P-A	1/27/2023	0925	WP	1	–	X									
39	AFRAME-C5W-MED-L1-HS-3-230127 -L-A	1/27/2023	0925	WP	1	–		X								
40	AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-P-I	1/27/2023	0933	WP	1	–	X									
41	AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-L-I	1/27/2023	0933	WP	1	–		X								
42	AFRAME-C3W-MED-L1-EXT-1 TO 2-230127 -P-DUF	1/27/2023	0945	WP	1	–	X									
43	AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-L-DUF	1/27/2023	0945	WP	1	–		X								
44	AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-P-LA	1/27/2023	1000	WP	1	–	X									
45	AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-L-LA	1/27/2023	1000	WP	1	–		X								2x Rivet Type 2 = 0.0200 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon Env Scientist	1/27/23@1353
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy "	1/27/23@ 13:53
[2] Relinquished By:	Audrey Hudson	" "	" "	1/27/23 1688
[2] Received By:		Marcenil Cruz	FA	1/27/23 16:50
[3] Relinquished By:				
[3] Received By:		Gene Sylvestri	EA.	1/28/23 1694

478373

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 4 of 5

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
46	AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-P-FB	1/27/2023	1015	WP	1	–	X		
47	AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-L-FB	1/27/2023	1015	WP	1	–		X	
48	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-P-WF	1/27/2023	1036	WP	1	–	X		
49	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-WF	1/27/2023	1036	WP	1	–		X	
50	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-DUP-WF	1/27/2023	1036	WP	1	–		X	
51	AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-P-CB	1/27/2023	1025	WP	1	–	X		
52	AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-L-CB	1/27/2023	1025	WP	1	–		X	
53	AFRAME-C3W-LAT-L1-INT-0 TO 1-230127-P-FB	1/27/2023	1100	WP	1	–	X		
54	AFRAME-C3W-LAT-L1-INT-0 TO 1-230127-L-FB	1/27/2023	1100	WP	1	–		X	
55	AFRAME-C3W-MED-L1-DN-C3W-DG-230127-P-SS	1/27/2023	1110	WP	1	–	X		
56	AFRAME-C3W-MED-L1-DN-C3W-DG-230127-L-SS	1/27/2023	1110	WP	1	–		X	
57	AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-P-CB	1/27/2023	1120	WP	1	–	X		
58	AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-L-CB	1/27/2023	1120	WP	1	–		X	
59	AFRAME-C5W-MED-L1-INT-~~0 TO 1~~ 1TO2-230127-P-FB	1/27/2023	1135	WP	1	–	X		
60	AFRAME-C5W-MED-L1-INT-~~0 TO 1~~ 1TO2-230127-L-FB	1/27/2023	1135	WP	1	–		X	

Analysis Request

Test Instructions / Comments

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Envscientist	1/27/23 @1353
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	1/27/23 @ 13:53
2 Relinquished By:	Audrey Hudson	"	"	1/27/23 @ 16:50
2 Received By:				1/27/23 16:50
3 Relinquished By:				
3 Received By:			EA	1/28/23 M/H

479373

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 5 of 5

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

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Report: Level II data validation

Sample Receipt Temp: (lab use only)

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Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
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Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
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	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
61	AFRAME-C5W-MED-L1-DN-~~C5-7~~-DG-230127-P-SS	1/27/2023	1150	WP	1	--	X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 3 Enclosure C/D (high occupancy)
62	AFRAME-C5W-MED-L1-DN-~~C5-7~~-DG-230127-L-SS	1/27/2023	1150	WP	1	--		X		
63	~~230127-P-MEDBLANK1~~	~~1/27/2023~~		~~WP~~	~~1~~		~~X~~			~~Collected from High Occupancy zone of Hangar 1~~ MK
64	~~230127-L-MEDBLANK1~~	~~1/27/2023~~		WP	1	--		X		~~Collected from High Occupancy zone of Hangar 1~~ MK
65	230127-P-MEDBLANK2	1/27/2023	0835	WP	1	--	X			Collected from High Occupancy zone of Hangar 1
66	230127-L-MEDBLANK2	1/27/2023	0835	WP	1	--		X		Collected from High Occupancy zone of Hangar 1
67										
68										
69										
70										
71										
72										
73										
74										
75										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Any Scientist	1/27/23 @ 1353
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	1/27/23 @ 13:53
2 Relinquished By:	Audrey Hudson			1/27/23 16:50
2 Received By:				1/27/23 16:50
3 Relinquished By:				
3 Received By:			E.A	1/28/23 1114

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478373 Client: Rincon

Date Received: 1.27.23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 1.27.23 How many 2 ☑ Signature, ☐ Initials, ☐ None

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

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

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

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

If in cooler: Date Opened 1.27.23 By (print) JJP (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.3, #2: 7.2, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

☐ H2SO4 lot# _____	added to samples _____	on/at _____
☐ HCL lot# _____	added to samples _____	on/at _____
☐ HNO3 lot# _____	added to samples _____	on/at _____
☐ NaOH lot#	added to samples	on/at

Section 6:

Explanations/Comments: _____

Date Logged in 1.27.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 1.27.22 **By (print)** JJP **(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.

478373

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NCTRA

Date Received: 1/28/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1+2 ☐ No (skip section 2) EM 1/28/23

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: 2.9 #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: 2.8 #2: 2.2 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		✓ EM 1/28/23
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: EM Date: 1/28/23

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701542

SDS

ORANGE

S10003H

79867300

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 1 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

4.7/2.8

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL
SAMPLE RECEIVING
931 W BARKLEY AVE
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 558701543

SDS

ORANGE

S10003H

79867301

ORC CA927-EH0

Print Date: 1/27/2023 4:16 PM

Package 2 of 5

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

cooler #7 custody seal on cooler Intact

2.9/2.2

1/20/23 @ 1114

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-P-LA **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-001 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-001 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

478373-001 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-P-LA **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-003 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-003 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

478373-003 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-LA **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-005 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-005 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

478373-005 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	57	19-121

Field ID: AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-DUP-LA **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-006 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-006 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

478373-006 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	57	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C4W-MED-L2-INT-0 TO 1-230127-P-FB **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-008 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-008 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

478373-008 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	52	19-121

Field ID: AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-P-FB **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-010 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-010 Surrogate	%REC	Limits
TCMX (PCB)	55	19-121
Decachlorobiphenyl (PCB)	50	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-P-I **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-013 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-013 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

478373-013 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	48	19-121

Field ID: AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-P-LA **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-015 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-015 Surrogate	%REC	Limits
TCMX (PCB)	38	19-121
Decachlorobiphenyl (PCB)	29	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-P-FB **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-017 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-017 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-P-LA **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-019 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-019 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-P-WF **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-021 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-021 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	50	19-121

Field ID: AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-P-SS **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-023 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-023 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	51	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-P-CB **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-025 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-025 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	52	19-121

Field ID: AFRAME-C3W-LAT-L1-HS-3-230127-P-A **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-027 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-027 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	51	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L1-HS-3-230127-P-G **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-029 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 01/31/23

478373-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-029 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	49	19-121

Field ID: AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-P-SS **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-031 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-031 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-031 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	56	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-P-I **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-033 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-033 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	50	19-121

Field ID: AFRAME-C4W-EXT-L1-HS-3-230127-P-A **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-035 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-035 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

478373-035 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	61	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C4W-EXT-L1-HS-3-230127-P-DUP-A **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-036 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

Dil n Fac: 1.000 **Analyzed:** 02/01/23

478373-036 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

478373-036 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C5W-MED-L1-HS-3-230127-P-A **Batch#:** 306458 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-038 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

Dil n Fac: 1.000 **Analyzed:** 02/01/23

478373-038 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

478373-038 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-P-I **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-040 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-040 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

478373-040 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	74	19-121

Field ID: AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-P-WF **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-042 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-042 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

478373-042 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-P-LA **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-044 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-044 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

478373-044 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	61	19-121

Field ID: AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-P-FB **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-046 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-046 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

478373-046 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-P-WF **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-048 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-048 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

478373-048 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-P-CB **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-051 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-051 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

478373-051 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-P-FB **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-053 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-053 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

478373-053 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	66	19-121

Field ID: AFRAME-C3W-MED-L1-DN-C3W-DG-230127-P-SS **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-055 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-055 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

478373-055 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-P-CB **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-057 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-057 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

478373-057 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	59	19-121

Field ID: AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-P-FB **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-059 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-059 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

478373-059 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-MED-L1-DN-C5W-DG-230127-P-SS **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-061 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-061 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

478373-061 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	66	19-121

Field ID: 230127-P-MEDBLANK2 **Batch#:** 306459 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 8082

Lab ID: 478373-063 **Received:** 01/27/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 01/31/23

DiIn Fac: 1.000 **Analyzed:** 02/01/23

478373-063 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

478373-063 Surrogate	%REC	Limits
TCMX (PCB)	82	19-121
Decachlorobiphenyl (PCB)	80	19-121

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Lab #: 478373 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 306458 **Analysis:** EPA 8082
Lab ID: QC1042111 **Prepared:** 01/31/23 **Analyst:** TRN
Matrix: Wipe **Analyzed:** 01/31/23
DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042111 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

QC1042111 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	67	19-121

Type: BLANK **Batch#:** 306459 **Analysis:** EPA 8082
Lab ID: QC1042114 **Prepared:** 01/31/23 **Analyst:** TRN
Matrix: Wipe **Analyzed:** 02/01/23
DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042114 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

QC1042114 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	65	19-121

Legend
ND: Not Detected
RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 478373 **Project#:** 20-10491

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

Type: BS **Batch#:** 306458 **Analysis:** EPA 8082

Lab ID: QC1042112 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 01/31/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042112 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.558	71	60-140	ug/100 cm2
Aroclor-1260	5.000	3.302	66	60-140	ug/100 cm2

QC1042112 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	68	19-121

Type: BSD **Batch#:** 306458 **Analysis:** EPA 8082

Lab ID: QC1042113 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 01/31/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042113 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.593	72	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	3.400	68	60-140	ug/100 cm2	3	20

QC1042113 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	69	19-121

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 478373 **Project#:** 20-10491

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

Type: BS **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042115 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042115 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.228	65	60-140	ug/100 cm2
Aroclor-1260	5.000	3.517	70	60-140	ug/100 cm2

QC1042115 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	64	19-121

Type: BSD **Batch#:** 306459 **Analysis:** EPA 8082

Lab ID: QC1042116 **Prepared:** 01/31/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 02/01/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1042116 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.934	79	60-140	ug/100 cm2	20	20
Aroclor-1260	5.000	4.288	86	60-140	ug/100 cm2	20	20

QC1042116 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	82	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-L-LA **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-002 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478373-002 Analyte	Result	RL	Units	Qual
Lead	**180**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-L-LA **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-004 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478373-004 Analyte	Result	RL	Units	Qual
Lead	**68**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-L-LA **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-007 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478373-007 Analyte	Result	RL	Units	Qual
Lead	**120**	0.25	ug/ft2	b

Field ID: AFRAME-C4W-MED-L2-INT-0 TO 1-230127-L-FB **Batch#:** 306445 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-009 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478373-009 Analyte	Result	RL	Units	Qual
Lead	**140**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-FB **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-011 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Dln Fac: 1.000 **Analyzed:** 01/30/23

478373-011 Analyte	Result	RL	Units	Qual
Lead	**73**	0.25	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-DUP-FB **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-012 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-012 Analyte	Result	RL	Units	Qual
Lead	**71**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-L-I **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-014 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-014 Analyte	Result	RL	Units	Qual
Lead	**67**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-L-LA **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-016 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-016 Analyte	Result	RL	Units	Qual
Lead	**64**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-L-FB **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-018 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-018 Analyte	Result	RL	Units	Qual
Lead	**150**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-L-LA **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-020 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-020 Analyte	Result	RL	Units	Qual
Lead	**160**	0.24	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-L-WF **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-022 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-022 Analyte	Result	RL	Units	Qual
Lead	**75**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-L-SS **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-024 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-024 Analyte	Result	RL	Units	Qual
Lead	**320**	0.25	ug/ft2	b

Field ID: AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-L-CB **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-026 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-026 Analyte	Result	RL	Units	Qual
Lead	**190**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-LAT-L1-HS-3-230127-L-A **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-028 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-028 Analyte	Result	RL	Units	Qual
Lead	**220**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-MED-L1-HS-3-230127-L-G **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-030 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-030 Analyte	Result	RL	Units	Qual
Lead	**880**	2.5	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-L-SS **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-032 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/30/23

478373-032 Analyte	Result	RL	Units	Qual
Lead	**330**	0.25	ug/ft2	b

Field ID: AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-L-I **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-034 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-034 Analyte	Result	RL	Units	Qual
Lead	**960**	2.5	ug/ft2	b

Field ID: AFRAME-C4W-EXT-L1-HS-3-230127-L-A **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-037 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-037 Analyte	Result	RL	Units	Qual
Lead	**550**	2.5	ug/ft2	b

Field ID: AFRAME-C5W-MED-L1-HS-3-230127-L-A **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-039 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-039 Analyte	Result	RL	Units	Qual
Lead	**690**	2.5	ug/ft2	b

Field ID: AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-L-I **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-041 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-041 Analyte	Result	RL	Units	Qual
Lead	**710**	2.5	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-L-WF **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-043 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-043 Analyte	Result	RL	Units	Qual
Lead	**860**	2.5	ug/ft2	b

Field ID: AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-L-LA **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-045 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-045 Analyte	Result	RL	Units	Qual
Lead	**770**	2.5	ug/ft2	b

Field ID: AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-L-FB **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-047 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-047 Analyte	Result	RL	Units	Qual
Lead	**1,500**	2.5	ug/ft2	b

Field ID: AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-WF **Batch#:** 306440 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-049 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-049 Analyte	Result	RL	Units	Qual
Lead	**1,800**	2.5	ug/ft2	b

Field ID: AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-DUP-WF **Batch#:** 306441 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-050 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-050 Analyte	Result	RL	Units	Qual
Lead	**1,900**	2.5	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-L-CB **Batch#:** 306441 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-052 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-052 Analyte	Result	RL	Units	Qual
Lead	**1,400**	2.5	ug/ft2	b

Field ID: AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-L-FB **Batch#:** 306441 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-054 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-054 Analyte	Result	RL	Units	Qual
Lead	**2,500**	2.5	ug/ft2	b

Field ID: AFRAME-C3W-MED-L1-DN-C3W-DG-230127-L-SS **Batch#:** 306441 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-056 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-056 Analyte	Result	RL	Units	Qual
Lead	**1,700**	2.5	ug/ft2	b

Field ID: AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-L-CB **Batch#:** 306441 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-058 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 10.00 **Analyzed:** 01/31/23

478373-058 Analyte	Result	RL	Units	Qual
Lead	**820**	2.5	ug/ft2	b

Field ID: AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-L-FB **Batch#:** 306441 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B
Lab ID: 478373-060 **Received:** 01/27/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 01/30/23
Diln Fac: 1.000 **Analyzed:** 01/31/23

478373-060 Analyte	Result	RL	Units	Qual
Lead	**380**	0.25	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 478373 **Project#:** 20-10491

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

Field ID: AFRAME-C5W-MED-L1-DN-C5W-DG-230127-L-SS **Batch#:** 306441 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B

Lab ID: 478373-062 **Received:** 01/27/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 01/30/23

Dln Fac: 10.00 **Analyzed:** 01/31/23

478373-062 Analyte	Result	RL	Units	Qual
Lead	**1,100**	2.5	ug/ft2	b

Field ID: 230127-L-MEDBLANK2 **Batch#:** 306441 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 01/27/23 **Analysis:** EPA 6010B

Lab ID: 478373-064 **Received:** 01/27/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 01/30/23

Dln Fac: 1.000 **Analyzed:** 01/31/23

478373-064 Analyte	Result	RL	Units	Qual
Lead	**6.2**	0.25	ug/ft2	b

Type: BLANK **Batch#:** 306440 **Analysis:** EPA 6010B

Lab ID: QC1042029 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

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

QC1042029 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Type: BLANK **Batch#:** 306441 **Analysis:** EPA 6010B

Lab ID: QC1042034 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

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

QC1042034 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Type: BLANK **Batch#:** 306445 **Analysis:** EPA 6010B

Lab ID: QC1042048 **Prepared:** 01/30/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 01/30/23

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

QC1042048 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 478373 **Project#:** 20-10491

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

Type: BS **Batch#:** 306440 **Analysis:** EPA 6010B
Lab ID: QC1042030 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042030 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	53.21	106	80-120	ug/ft2	b

Type: BS **Batch#:** 306441 **Analysis:** EPA 6010B
Lab ID: QC1042035 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042035 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	55.07	110	80-120	ug/ft2	b

Type: BS **Batch#:** 306445 **Analysis:** EPA 6010B
Lab ID: QC1042049 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042049 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	52.93	106	80-120	ug/ft2	b

Type: BSD **Batch#:** 306440 **Analysis:** EPA 6010B
Lab ID: QC1042031 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042031 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	53.06	106	80-120	ug/ft2	0	20	b

Type: BSD **Batch#:** 306441 **Analysis:** EPA 6010B
Lab ID: QC1042036 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042036 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	53.32	107	80-120	ug/ft2	3	20	b

Type: BSD **Batch#:** 306445 **Analysis:** EPA 6010B
Lab ID: QC1042050 **Prepared:** 01/30/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 01/30/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1042050 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	51.48	103	80-120	ug/ft2	3	20	b

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 478373 **Project#:** 20-10491

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

Legend

RPD: Relative Percent Difference

b: See narrative

Enthalpy Analytical
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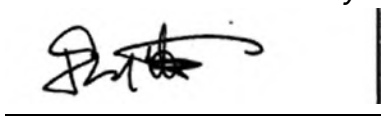
Lab Job Number: 478913
Report Level: II
Report Date: 02/08/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
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This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	478913
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	02/06/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C3W-MED-L1-HS-3-230204-L-G	478913-001	02/04/23 07:30	Wipe
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-L-I	478913-002	02/04/23 07:37	Wipe
AFRAME-C4W-LAT-L1-HS-3-230204-L-A	478913-003	02/04/23 07:45	Wipe
AFRAME-C5W-MED-L1-HS-3-230204-L-A	478913-004	02/04/23 07:52	Wipe
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-L-I	478913-005	02/04/23 08:00	Wipe
AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-L-WF	478913-006	02/04/23 08:10	Wipe
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-L-LA	478913-007	02/04/23 08:20	Wipe
AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-L-FB	478913-008	02/04/23 08:30	Wipe
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-WF	478913-009	02/04/23 08:40	Wipe
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-DUP-WF	478913-010	02/04/23 08:40	Wipe
AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-L-CB	478913-011	02/04/23 09:30	Wipe
AFRAME-C3W-LAT-L1-INT-0 TO 1-230204-L-FB	478913-012	02/04/23 09:00	Wipe
AFRAME-C3W-MED-L1-DN-C3W-DG-230204-L-SS	478913-013	02/04/23 09:20	Wipe
AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-L-CB	478913-014	02/04/23 09:10	Wipe
AFRAME-C5W-MED-L1-DN-C5W-DG-230204-L-SS	478913-015	02/04/23 09:35	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 478913 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 02/06/23

This data package contains sample and QC results for fifteen wipe samples, requested for the above referenced project on 02/07/23. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 478913

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:	Tyler Sinnott and Donald Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C3W-MED-L1-HS-3-230204-L-G	2/4/2023	0730	WP	1	–		X		Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 3 Enclosure C/D (high occupancy resample)
2	AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-L-I	2/4/2023	0737	WP	1	–		X		
3	AFRAME-C4W-LAT-L1-HS-3-230204-L-A	2/4/2023	0745	WP	1	–		X		
4	AFRAME-C5W-MED-L1-HS-3-230204-L-A	2/4/2023	0752	WP	1	–		X		
5	AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-L-I	2/4/2023	0800	WP	1	–		X		
6	AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-L-WF	2/4/2023	0810	WP	1	–		X		
7	AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-L-LA	2/4/2023	0820	WP	1	–		X		2x Rivet Type 2 = 0.0200 ft²
8	AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-L-FB	2/4/2023	0830	WP	1	–		X		
9	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-WF	2/4/2023	0840	WP	1	–		X		
10	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-DUP-WF	2/4/2023	0840	WP	1	–		X		
11	AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-L-CB	2/4/2023	0930	WP	1	–		X		
12	AFRAME-C3W-LAT-L1-INT-0 TO 1-230204-L-FB	2/4/2023	0900	WP	1	–		X		
13	AFRAME-C3W-MED-L1-DN-C3W-DG-230204-L-SS	2/4/2023	0920	WP	1	–		X		
14	AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-L-CB	2/4/2023	0910	WP	1	–		X		
15	AFRAME-C5W-MED-L1-DN-C5W-DG-230204-L-SS	2/4/2023	0935	WP	1	–		X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	2/6/23 / 1310
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	2/6/23 13:10
[2] Relinquished By:	Audrey Hudson	"	" / "	2/6/23 16:00
[2] Received By:		Jak Peterson	Enthalpy	2.6.23 16:00
[3] Relinquished By:		Jak Peterson	Enthalpy	2.6.23 16:28
[3] Received By:		FEDEX	EN	2/7/23 1100

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 478913 Client: Rincon

Date Received: 2/6/23 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

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

☑ Date: 2/6/23 How many _____ ☑ Signature, ☐ Initials, ☐ None

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

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

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

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

If in cooler: Date Opened 2.6.23 By (print) JJP (sign) _____

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

Packing in cooler: (if other, describe) _____

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

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

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

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

Cooler Temp (°C): #1: 6.8, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

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

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

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

Preservative added:

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

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

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

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

Section 6:

Explanations/Comments: _____

Date Logged in 2.6.23 **By (print)** JJP **(sign)** _____

Date Labeled 2.6.23 **By (print)** JJP **(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: 2/7/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #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: Southwest Airlines

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.0 #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: 2/7/23

SOUTHWEST AIRLINES

Printed on:
06 FEB 18:21

526 OAK 8423 4441



SNA

PC# 2 OF 8

DG G

LOT WT 340 LB (154.3 KG)

OAK WN 1332 07 FEB 08:10

STN FLT DATE ETD LOT 01



PC ID: 0002
PC WT: 43LB

526 84234441 0002

S

2.0 / 5.0

ENTHALPY ANALYTICAL

Lead

Lab #: 478913 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C3W-MED-L1-HS-3-230204-L-G **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-001 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dil n Fac: 1.000 **Analyzed:** 02/07/23

478913-001 Analyte	Result	RL	Units
Lead	**4.7**	0.25	ug/ft2

Field ID: AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-L-I **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-002 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dil n Fac: 1.000 **Analyzed:** 02/07/23

478913-002 Analyte	Result	RL	Units
Lead	**3.5**	0.25	ug/ft2

Field ID: AFRAME-C4W-LAT-L1-HS-3-230204-L-A **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-003 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dil n Fac: 1.000 **Analyzed:** 02/07/23

478913-003 Analyte	Result	RL	Units
Lead	**21**	0.25	ug/ft2

Field ID: AFRAME-C5W-MED-L1-HS-3-230204-L-A **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-004 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dil n Fac: 1.000 **Analyzed:** 02/07/23

478913-004 Analyte	Result	RL	Units
Lead	**8.8**	0.25	ug/ft2

Field ID: AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-L-I **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-005 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dil n Fac: 1.000 **Analyzed:** 02/07/23

478913-005 Analyte	Result	RL	Units
Lead	**8.5**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 478913 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-L-WF **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-006 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dln Fac: 1.000 **Analyzed:** 02/07/23

478913-006 Analyte	Result	RL	Units
Lead	**7.8**	0.25	ug/ft2

Field ID: AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-L-LA **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-007 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dln Fac: 1.000 **Analyzed:** 02/07/23

478913-007 Analyte	Result	RL	Units
Lead	**14**	0.25	ug/ft2

Field ID: AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-L-FB **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-008 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dln Fac: 1.000 **Analyzed:** 02/07/23

478913-008 Analyte	Result	RL	Units
Lead	**8.6**	0.25	ug/ft2

Field ID: AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-WF **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-009 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dln Fac: 1.000 **Analyzed:** 02/07/23

478913-009 Analyte	Result	RL	Units
Lead	**19**	0.25	ug/ft2

Field ID: AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-DUP-WF **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-010 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Dln Fac: 1.000 **Analyzed:** 02/07/23

478913-010 Analyte	Result	RL	Units
Lead	**24**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 478913 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-L-CB **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-011 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Diln Fac: 1.000 **Analyzed:** 02/07/23

478913-011 Analyte	Result	RL	Units
Lead	**9.4**	0.25	ug/ft2

Field ID: AFRAME-C3W-LAT-L1-INT-0 TO 1-230204-L-FB **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-012 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Diln Fac: 1.000 **Analyzed:** 02/07/23

478913-012 Analyte	Result	RL	Units
Lead	**13**	0.25	ug/ft2

Field ID: AFRAME-C3W-MED-L1-DN-C3W-DG-230204-L-SS **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-013 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Diln Fac: 1.000 **Analyzed:** 02/07/23

478913-013 Analyte	Result	RL	Units
Lead	**15**	0.25	ug/ft2

Field ID: AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-L-CB **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-014 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Diln Fac: 1.000 **Analyzed:** 02/07/23

478913-014 Analyte	Result	RL	Units
Lead	**12**	0.25	ug/ft2

Field ID: AFRAME-C5W-MED-L1-DN-C5W-DG-230204-L-SS **Batch#:** 307001 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 02/04/23 **Analysis:** EPA 6010B
Lab ID: 478913-015 **Received:** 02/06/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 02/07/23
Diln Fac: 1.000 **Analyzed:** 02/07/23

478913-015 Analyte	Result	RL	Units
Lead	**9.8**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 478913 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	307001	**Analysis:**	EPA 6010B
Lab ID:	QC1043811	**Prepared:**	02/07/23	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	02/07/23		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1043811 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 478913 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 307001 **Analysis:** EPA 6010B

Lab ID: QC1043813 **Prepared:** 02/07/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 02/07/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1043813 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	110.7	111	80-120	ug/ft2

Type: BSD **Batch#:** 307001 **Analysis:** EPA 6010B

Lab ID: QC1043814 **Prepared:** 02/07/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 02/07/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1043814 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	111.7	112	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Attachment 4

ProUCL Input and Output Files

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 3
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-LA	630	1
AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-CB	180	1
AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-LA	190	1
AFRAME-C5W-MED-L2-HS-1-230127-G	120	1
AFRAME-C3W-LAT-L2-HS-1-230127-FB	150	1
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-DUP-WF	180	1
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-WF	160	1
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-LA	260	1
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-LA	400	1
AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-WF	220	1
AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-LA	180	1
AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-LA	68	1
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-LA	120	1
AFRAME-C4W-MED-L2-INT-0 TO 1-230127-FB	140	1
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-FB	73	1
AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-I	67	1
AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-LA	64	1
AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-FB	150	1
AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-LA	160	1
AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-WF	75	1
AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-SS	320	1
AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-CB	190	1
AFRAME-C3W-LAT-L1-HS-3-230127-A	220	1
AFRAME-C3W-MED-L1-HS-3-230204-G	4.7	1
AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-SS	330	1
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-I	3.5	1
AFRAME-C4W-EXT-L1-HS-3-230204-A	21	1
AFRAME-C5W-MED-L1-HS-3-230204-A	8.8	1
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-I	8.5	1
AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-WF	7.8	1
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-LA	14	1
AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-FB	8.6	1
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-DUP-WF	24	1
AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-CB	9.4	1
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230204-FB	13	1
AFRAME-C3W-MED-L1-DN-C3W-DG-230204-SS	15	1
AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-CB	12	1
AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-FB	380	1
AFRAME-C5W-MED-L1-DN-C5W-DG-230204-SS	9.8	1
AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-LA	32	1

Sample ID	LeadResults	d_LeadResults
AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-I	100	1
AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-LA	89	1
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-FB	370	1
AFRAME-C4E-MED-L2-INT-1 TO 2-230414-FB	150	1
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-LA	93	1
AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-WF	410	1
AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-LA	250	1
AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-LA	110	1
AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-FB	28	1
AFRAME-C3E-MED-L1-HS-3-230414-G	24	1
AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-I	160	1
AFRAME-C5E-MED-L1-HS-3-230414-A	200	1
AFRAME-C4E-LAT-L1-HS-3-230414-A	110	1
AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-I	39	1
AFRAME-C3E-LAT-L1-HS-3-230414-A	14	1
AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-SS	83	1
AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-SS	49	1
AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-LA	78	1
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-DUP-WF	69	1
AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-FB	54	1
AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-LA	56	1
AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-WF	170	1
AFRAME-C5E-MED-L1-DN-C5E-DG-230414-SS	47	1
AFRAME-C5E-MED-L1-INT-0 TO 1-230414-FB	86	1
AFRAME-C3E-MED-L1-DN-C3E-DG-230414-SS	30	1
AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-CB	42	1
AFRAME-C3E-MED-L1-INT-0 TO 1-230414-FB	86	1
AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-LA	140	1
AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-LA	63	1
AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-CB	32	1
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-DUP-WF	170	1
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-DUP-WF	77	1
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-LA	120	1
AFRAME-C4E-MED-L3-INT-0 TO 1-230414-WF	97	1
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-LA	69	1
AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-LA	170	1
AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-WF	170	1
AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-LA	120	1

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/16/2023 1:27:27 PM
From File	Z3_HO_Lead_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	57
		Number of Missing Observations	0
Minimum	3.5	Mean	121.1
Maximum	630	Median	87.5
SD	115.1	Std. Error of Mean	13.03
Coefficient of Variation	0.95	Skewness	1.829

Normal GOF Test		
Shapiro Wilk Test Statistic	0.835	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	4.913E-12	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.153	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.116	Data Not Normal at 1% Significance Level
Data Not Normal at 1% Significance Level		

Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	142.8	95% Adjusted-CLT UCL (Chen-1995)	145.4
		95% Modified-t UCL (Johnson-1978)	143.2

Gamma GOF Test		
A-D Test Statistic	0.417	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.779	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0667	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.104	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics			
k hat (MLE)	1.096	k star (bias corrected MLE)	1.063
Theta hat (MLE)	110.4	Theta star (bias corrected MLE)	113.9
nu hat (MLE)	171	nu star (bias corrected)	165.8
MLE Mean (bias corrected)	121.1	MLE Sd (bias corrected)	117.5
		Approximate Chi Square Value (0.05)	137
Adjusted Level of Significance	0.0469	Adjusted Chi Square Value	136.5

Assuming Gamma Distribution			
95% Approximate Gamma UCL	146.5	95% Adjusted Gamma UCL	147

Lognormal GOF Test		
Shapiro Wilk Test Statistic	0.939	**Shapiro Wilk Lognormal GOF Test**
10% Shapiro Wilk P Value	0.00148	Data Not Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.122	**Lilliefors Lognormal GOF Test**
10% Lilliefors Critical Value	0.0919	Data Not Lognormal at 10% Significance Level
Data Not Lognormal at 10% Significance Level		

Lognormal Statistics			
Minimum of Logged Data	1.253	Mean of logged Data	4.275
Maximum of Logged Data	6.446	SD of logged Data	1.174

Assuming Lognormal Distribution			
95% H-UCL	198.7	90% Chebyshev (MVUE) UCL	211.8
95% Chebyshev (MVUE) UCL	243.7	97.5% Chebyshev (MVUE) UCL	288
99% Chebyshev (MVUE) UCL	375.1		

Nonparametric Distribution Free UCL Statistics
Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs			
95% CLT UCL	142.5	95% BCA Bootstrap UCL	145.5
95% Standard Bootstrap UCL	142.3	95% Bootstrap-t UCL	147.3
95% Hall's Bootstrap UCL	147.7	95% Percentile Bootstrap UCL	143.1
90% Chebyshev(Mean, Sd) UCL	160.2	95% Chebyshev(Mean, Sd) UCL	177.9
97.5% Chebyshev(Mean, Sd) UCL	202.4	99% Chebyshev(Mean, Sd) UCL	250.7

Suggested UCL to Use			
95% Approximate Gamma UCL	146.5		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/16/2023 1:28:39 PM
From File	Z3_HO_PCB_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1016 was not processed!			

Aroclor 1221

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1221 was not processed!			

Aroclor 1232

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1232 was not processed!			

Aroclor 1242

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1242 was not processed!			

Aroclor 1248

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1248 was not processed!			

Aroclor 1254

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1254 was not processed!			

Aroclor 1260

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1260 was not processed!			

Aroclor 1262

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1262 was not processed!			

Aroclor 1268

General Statistics			
Total Number of Observations	78	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	78
Number of Distinct Detects	0	Number of Distinct Non-Detects	2
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1268 was not processed!			

Attachment 5

Data Validation Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

September 14, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 5, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55779_RV2:

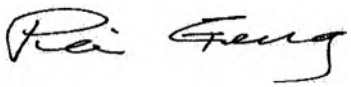
SDG #	**Fraction**
474713, 474718, 475736, 475743, 475744	Polychlorinated Biphenyls, Lead

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

238 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55780 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	474713	01/05/23	01/26/23	0	5	-	-																												
B	474718	01/05/23	01/26/23	-	-	0	5																												
C	475736	01/05/23	01/26/23	0	29	0	29																												
D	475743	01/05/23	01/26/23	0	7	0	7																												
E	475744	01/05/23	01/26/23	0	2	0	2																												
Total	TR/PG			0	43	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\55780ST-Wipe.wpd

LDC Report# 55780_RV2

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

474713
474718
475736
475743
475744

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 3.

September 14, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the November 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes with the following exceptions:

SDG	Date	Standard	Column	Analyte	%D	Affected Analyte	Associated Samples	Flag	A or P
474713	12/14/22	CCV	Ch A	Aroclor-1260	18	Aroclor-1260 Aroclor-1254 Aroclor-1248 Aroclor-1262 Aroclor-1268	All samples in SDG 474713	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

Media blank samples are referred to as field blank samples in the text of the report

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. Two media blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The 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 sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Four field duplicate pairs were 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. Four 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.

Due to continuing calibration %D, data were qualified as estimated in five samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/7/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 474713						
Method: 8082						
ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA	474713-005	WIPE	N	3546	12/9/2022	~~S3VEM~~
ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA	474713-002	WIPE	N	3546	12/9/2022	S3VEM
ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA	474713-003	WIPE	N	3546	12/9/2022	S3VEM
ARCH-C5W-EXT-1 TO 2-221209-P-WF	474713-001	WIPE	N	3546	12/9/2022	S3VEM
ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF	474713-004	WIPE	N	3546	12/9/2022	S3VEM

Crossed out sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/7/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 474718						
Method: 6010B						
ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-L-LA	474718-005	WIPE	N	3010A	12/9/2022	S3VEM
ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-L-LA	474718-002	WIPE	N	3010A	12/9/2022	S3VEM
ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-6-LA	474718-003	WIPE	N	3010A	12/9/2022	S3VEM
ARCH-C5W-EXT-1 TO 2-221209-L-WF	474718-001	WIPE	N	3010A	12/9/2022	S3VEM
ARCH-C5W-INT-4.5 TO 5.5-221209-L-WF	474718-004	WIPE	N	3010A	12/9/2022	S3VEM

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

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: 475736						
Method: 6010B						
221221-L-MEDBLANK1	475736-056	WIPE	FB	3050B	12/21/2022 7:35:00 AM	S2AVE
221221-L-MEDBLANK2	475736-058	WIPE	FB	3050B	12/21/2022 12:55:00 PM	S2AVE
ARCH-C3W-DG-4 TO 4.5-DN-C3.4-VS-221221-L-LA	475736-010	WIPE	N	3050B	12/21/2022 9:20:00 AM	S2AVE
ARCH-C3W-DG-5 TO 5.5-UP-C3.6-VS-221221-L-LA	475736-021	WIPE	N	3050B	12/21/2022 12:40:00 PM	S2AVE
ARCH-C3W-DG-5.5 TO 6-UP-C3.3-HS-221221-L-LA	475736-035	WIPE	N	3050B	12/21/2022 8:55:00 AM	S2AVE
ARCH-C3W-DG-6 TO 6.5-UP-C3.1-HS-221221-L-LA	475736-041	WIPE	N	3050B	12/21/2022 9:55:00 AM	S2AVE
ARCH-C3W-DG-7 TO 7.5-UP-C3.4-DG-221221-L-LA	475736-050	WIPE	N	3050B	12/21/2022 12:20:00 PM	S2AVE
ARCH-C3W-DG-7 TO 7.5-UP-C3.5-DG-221221-L-LA	475736-052	WIPE	N	3050B	12/21/2022 12:45:00 PM	S2AVE
ARCH-C3W-EXT-6 TO 7-221221-L-WF	475736-043	WIPE	N	3050B	12/21/2022 9:38:00 AM	S2AVE
ARCH-C3W-INT-2.5 TO 3.5-221221-L-WF	475736-004	WIPE	N	3050B	12/21/2022 9:05:00 AM	S2AVE
ARCH-C3W-INT-4.5 TO 5.5-221221-L-WF	475736-025	WIPE	N	3050B	12/21/2022 12:35:00 PM	S2AVE
ARCH-C3W-PS-5.5-221221-L-G	475736-029	WIPE	N	3050B	12/21/2022 8:05:00 AM	S2AVE
ARCH-C3W-PS-6.5-221221-L-G	475736-048	WIPE	N	3050B	12/21/2022 10:35:00 AM	S2AVE
ARCH-C4W-DG-3 TO 3.5-221221-L-DUP-FB	475736-007	WIPE	FD	3050B	12/21/2022 8:55:00 AM	S2AVE
ARCH-C4W-DG-3 TO 3.5-221221-L-FB	475736-006	WIPE	N	3050B	12/21/2022 8:55:00 AM	S2AVE
ARCH-C4W-EXT-4 TO 5-221221-L-WF	475736-015	WIPE	N	3050B	12/21/2022 12:00:00 PM	S2AVE
ARCH-C4W-INT-2.5 TO 3.5-221221-L-WF	475736-002	WIPE	N	3050B	12/21/2022 8:30:00 AM	S2AVE
ARCH-C4W-PS-5.5-221221-L-G	475736-027	WIPE	N	3050B	12/21/2022 7:45:00 AM	S2AVE
ARCH-C5W-DG-4 TO 4.5-221221-L-DUP-FB	475736-013	WIPE	FD	3050B	12/21/2022 11:50:00 AM	S2AVE
ARCH-C5W-DG-4 TO 4.5-221221-L-FB	475736-012	WIPE	N	3050B	12/21/2022 11:50:00 AM	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Method: 6010B							
ARCH-C5W-DG-4.5 TO 5-DN-C5.1-DG-221221-L-LA	475736-019	WIPE	N	3050B		12/21/2022 12:20:00 PM	S2AVE
ARCH-C5W-DG-5 TO 5.5-DN-C5.3-DG-221221-L-LA	475736-031	WIPE	N	3050B		12/21/2022 9:15:00 AM	S2AVE
ARCH-C5W-DG-5 TO 5.5-UP-C5.3-HS-221221-L-LA	475736-023	WIPE	N	3050B		12/21/2022 12:50:00 PM	S2AVE
ARCH-C5W-DG-5.5 TO 6-221221-L-FB	475736-037	WIPE	N	3050B		12/21/2022 8:40:00 AM	S2AVE
ARCH-C5W-DG-6 TO 6.5-221221-L-FB	475736-039	WIPE	N	3050B		12/21/2022 9:25:00 AM	S2AVE
ARCH-C5W-EXT-8 TO 9-221221-L-WF	475736-054	WIPE	N	3050B		12/21/2022 1:00:00 PM	S2AVE
ARCH-C5W-PS-4.5-221221-L-G	475736-017	WIPE	N	3050B		12/21/2022 12:10:00 PM	S2AVE
ARCH-C5W-PS-6.5-221221-L-G	475736-046	WIPE	N	3050B		12/21/2022 10:15:00 AM	S2AVE
ARCH-C5W-PS-6-221221-L-G	475736-033	WIPE	N	3050B		12/21/2022 8:25:00 AM	S2AVE
Method: 8082							
221221-P-MEDBLANK1	475736-055	WIPE	FB		3546	12/21/2022 7:35:00 AM	S2AVE
221221-P-MEDBLANK2	475736-057	WIPE	FB		3546	12/21/2022 12:55:00 PM	S2AVE
ARCH-C3W-DG-4 TO 4.5-DN-C3.4-VS-221221-P-DUP-LA	475736-009	WIPE	FD		3546	12/21/2022 9:20:00 AM	S2AVE
ARCH-C3W-DG-4 TO 4.5-DN-C3.4-VS-221221-P-LA	475736-008	WIPE	N		3546	12/21/2022 9:20:00 AM	S2AVE
ARCH-C3W-DG-5 TO 5.5-UP-C3.6-VS-221221-P-LA	475736-020	WIPE	N		3546	12/21/2022 12:40:00 PM	S2AVE
ARCH-C3W-DG-5.5 TO 6-UP-C3.3-HS-221221-P-LA	475736-034	WIPE	N		3546	12/21/2022 8:55:00 AM	S2AVE
ARCH-C3W-DG-6 TO 6.5-UP-C3.1-HS-221221-P-LA	475736-040	WIPE	N		3546	12/21/2022 9:55:00 AM	S2AVE
ARCH-C3W-DG-7 TO 7.5-UP-C3.4-DG-221221-P-LA	475736-049	WIPE	N		3546	12/21/2022 12:20:00 PM	S2AVE
ARCH-C3W-DG-7 TO 7.5-UP-C3.5-DG-221221-P-LA	475736-051	WIPE	N		3546	12/21/2022 12:45:00 PM	S2AVE
ARCH-C3W-EXT-6 TO 7-221221-P-WF	475736-042	WIPE	N		3546	12/21/2022 9:38:00 AM	S2AVE
ARCH-C3W-INT-2.5 TO 3.5-221221-P-WF	475736-003	WIPE	N		3546	12/21/2022 9:05:00 AM	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C3W-INT-4.5 TO 5.5-221221-P-WF	475736-024	WIPE	N	3546	12/21/2022 12:35:00 PM	S2AVE
ARCH-C3W-PS-5.5-221221-P-G	475736-028	WIPE	N	3546	12/21/2022 8:05:00 AM	S2AVE
ARCH-C3W-PS-6.5-221221-P-G	475736-047	WIPE	N	3546	12/21/2022 10:35:00 AM	S2AVE
ARCH-C4W-DG-3 TO 3.5-221221-P-FB	475736-005	WIPE	N	3546	12/21/2022 8:55:00 AM	S2AVE
ARCH-C4W-EXT-4 TO 5-221221-P-WF	475736-014	WIPE	N	3546	12/21/2022 12:00:00 PM	S2AVE
ARCH-C4W-INT-2.5 TO 3.5-221221-P-WF	475736-001	WIPE	N	3546	12/21/2022 8:30:00 AM	S2AVE
ARCH-C4W-PS-5.5-221221-P-G	475736-026	WIPE	N	3546	12/21/2022 7:45:00 AM	S2AVE
ARCH-C5W-DG-4 TO 4.5-221221-P-FB	475736-011	WIPE	N	3546	12/21/2022 11:50:00 AM	S2AVE
ARCH-C5W-DG-4.5 TO 5-DN-C5.1-DG-221221-P-LA	475736-018	WIPE	N	3546	12/21/2022 12:20:00 PM	S2AVE
ARCH-C5W-DG-5 TO 5.5-DN-C5.3-DG-221221-P-LA	475736-030	WIPE	N	3546	12/21/2022 9:15:00 AM	S2AVE
ARCH-C5W-DG-5 TO 5.5-UP-C5.3-HS-221221-P-LA	475736-022	WIPE	N	3546	12/21/2022 12:50:00 PM	S2AVE
ARCH-C5W-DG-5.5 TO 6-221221-P-FB	475736-036	WIPE	N	3546	12/21/2022 8:40:00 AM	S2AVE
ARCH-C5W-DG-6 TO 6.5-221221-P-FB	475736-038	WIPE	N	3546	12/21/2022 9:25:00 AM	S2AVE
ARCH-C5W-EXT-8 TO 9-221221-P-WF	475736-053	WIPE	N	3546	12/21/2022 1:00:00 PM	S2AVE
ARCH-C5W-PS-4.5-221221-P-G	475736-016	WIPE	N	3546	12/21/2022 12:10:00 PM	S2AVE
ARCH-C5W-PS-6.5-221221-P-DUP-G	475736-045	WIPE	FD	3546	12/21/2022 10:15:00 AM	S2AVE
ARCH-C5W-PS-6.5-221221-P-G	475736-044	WIPE	N	3546	12/21/2022 10:15:00 AM	S2AVE
ARCH-C5W-PS-6-221221-P-G	475736-032	WIPE	N	3546	12/21/2022 8:25:00 AM	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/7/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 475743							
Method: 6010B							
ARCH-C3W-DG-2 TO 2.5-221221-L-DUP-FB	475743-006	WIPE	FD	3050B		12/21/2022 7:35:00 AM	S3VEM
ARCH-C3W-DG-2 TO 2.5-221221-L-FB	475743-005	WIPE	N	3050B		12/21/2022 7:35:00 AM	S3VEM
ARCH-C3W-DG-2 TO 2.5-UP-C3.6-HS-221221-L-LA	475743-012	WIPE	N	3050B		12/21/2022 7:50:00 AM	S3VEM
ARCH-C4W-DG-2 TO 2.5-221221-L-DUP-FB	475743-009	WIPE	FD	3050B		12/21/2022 8:00:00 AM	S3VEM
ARCH-C4W-DG-2 TO 2.5-221221-L-FB	475743-008	WIPE	N	3050B		12/21/2022 8:00:00 AM	S3VEM
ARCH-C5W-DG-1.5 TO 2-UP-C5.7-VS-221221-L-LA	475743-003	WIPE	N	3050B		12/21/2022 8:10:00 AM	S3VEM
ARCH-C5W-DG-3 TO 3.5-UP-C5.6-HS-221221-L-LA	475743-014	WIPE	N	3050B		12/21/2022 8:40:00 AM	S3VEM
Method: 8082							
ARCH-C3W-DG-2 TO 2.5-221221-P-FB	475743-004	WIPE	N		3546	12/21/2022 7:35:00 AM	S3VEM
ARCH-C3W-DG-2 TO 2.5-UP-C3.6-HS-221221-P-DUP-LA	475743-011	WIPE	FD		3546	12/21/2022 7:50:00 AM	S3VEM
ARCH-C3W-DG-2 TO 2.5-UP-C3.6-HS-221221-P-LA	475743-010	WIPE	N		3546	12/21/2022 7:50:00 AM	S3VEM
ARCH-C4W-DG-2 TO 2.5-221221-P-FB	475743-007	WIPE	N		3546	12/21/2022 8:00:00 AM	S3VEM
ARCH-C5W-DG-1.5 TO 2-UP-C5.7-VS-221221-P-DUP-LA	475743-002	WIPE	FD		3546	12/21/2022 8:10:00 AM	S3VEM
ARCH-C5W-DG-1.5 TO 2-UP-C5.7-VS-221221-P-LA	475743-001	WIPE	N		3546	12/21/2022 8:10:00 AM	S3VEM
ARCH-C5W-DG-3 TO 3.5-UP-C5.6-HS-221221-P-LA	475743-013	WIPE	N		3546	12/21/2022 8:40:00 AM	S3VEM

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/7/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 475744							
Method: 6010B							
AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA	475744-002	WIPE	N	3050B		12/21/2022 1:25:00 PM	S3VEM
AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB	475744-004	WIPE	N	3050B		12/21/2022 1:40:00 PM	S3VEM
Method: 8082							
AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA	475744-001	WIPE	N		3546	12/21/2022 1:25:00 PM	S3VEM
AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB	475744-003	WIPE	N		3546	12/21/2022 1:40:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (2/7/2023) **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: 474713 **Laboratory: Enthalpy Orange**

EDD Filename: Prep474713 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA **Collected:** 12/9/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA **Collected:** 12/9/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA **Collected:** 12/9/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: ARCH-C5W-EXT-1 TO 2-221209-P-WF **Collected:** 12/9/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 474713 **Laboratory: Enthalpy Orange**

EDD Filename: Prep474713 **eQAPP Name:**

Method Category:	SVOA		
Method:	8082	*Matrix:*	WIPE

***Sample ID:*ARCH-C5W-EXT-1 TO 2-221209-P-WF** ***Collected:*12/9/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

***Sample ID:*ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF** ***Collected:*12/9/2022 12:00:00 AM** ***Analysis Type:*RES** ***Dilution:* 1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 474713

Laboratory: Enthalpy Orange

EDD Filename: Prep474713

eQAPP Name:

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Difference Upper Rejection

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

474713

(No Outliers)

LDC #: 55780A3b

SDG #: 474713

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 1/24/23

Page: 1 of 1

Reviewer: PD

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%RSD ≤ 20 ICV ≤ 20 15%
III.	Continuing calibration	SW	CCV ≤ 20 15%
IV.	Laboratory Blanks	A	
V.	Field blanks	A	
VI.	Surrogate spikes 1/5	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
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; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C5W-EXT-1 TO 2-221209-P-WF	474713-001	Wipe	12/09/22
2	ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-P-LA	474713-002	Wipe	12/09/22
3	ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-P-LA	474713-003	Wipe	12/09/22
4	ARCH-C5W-INT-4.5 TO 5.5-221209-P-WF	474713-004	Wipe	12/09/22
5	ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-P-LA	474713-005	Wipe	12/09/22
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	303/802						

LDC #: 55780A 36 **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%~~? 15%D	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ~~≤ 20%~~? 15%D	~~✓~~	✓		
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55780 A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: ___ of ___
Reviewer: FT

4147113

METHOD: ✓ **GC** __ **HPLC**

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y (N) N/A Were continuing calibration standards analyzed at the required frequencies?
Y (N) N/A Did the continuing calibration standards meet the %D / %R validation criteria of ~~≤20.0~~% / 80-120%? 15%
Level IV Only
Y N (N/A) Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D 15% (Limit ≤ ~~20.0~~)	RT (limit)	Associated Samples	Qualifications
	12/14/22 2246	CCV	ch A	BB	18		All	J/UJ/A and ND qual BB, AA, Z Aroclor-1262 Aroclor-1268

LDC #: 55780A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/24/22	Aroclor 1260-1 chA	0.0578	0.0578	0.0676	0.0676	18	18
			chB	0.0510	0.0510	0.0595	0.0595	14	14
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55780A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	12/14/22 2246	Aroclor 1260 chA	500.0	410.5	410.5	18	18
			chB	↓	453.4	453.4	9	9
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 #: 55780A3b

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
			35.8648	Reported	Recalculated	
TCMX	ch B	FT 40 50	~~28.7308~~ FT	72	72	0
DCB	↓	↓	~~26.7833~~ FT	74	74	J
			37.2153			

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 #: 55780A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; LCS = Laboratory Control Sample; SA = Spike added; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 303182 LCS ID

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	3.780	4.468	76	76	89	89	17	17

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55780A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 303182-LCS Compound Name Aroclor 1260

Concentration = $\frac{378 \quad (10)}{(1.00)(1000)}$ =

= 3.78 (ug/100 cm²)

1900

#	Sample ID	Compound	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100) cm²	Qualifications
	LCS	Aroclor 1260	3.780	3.78	
	1260-1 = $\frac{6047951.77 \quad (20.0)}{57157520 \quad (0.0595)}$		= 355.5	1260-1 = 355.5	
				-2 = 357.8	
				-3 = 340.3	
				-4 = 348.3	
				-5 = 488.1	
				378	

Comments: _____

Quality Control
Outlier Reports

474718

LDC #: 55780B4b
SDG #: 474718
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 1/6/23
Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C,S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C5W-EXT-1 TO 2-221209-L-WF	474718-001	Wipe	12/09/22
2	ARCH-C3W-DG-1.5 TO 2-DN-C3W-DG-221209-L-LA	474718-002	Wipe	12/09/22
3	ARCH-C5W-DG-2.5 TO 3-UP-C5.6-DG-221209-L-LA	474718-003	Wipe	12/09/22
4	ARCH-C5W-INT-4.5 TO 5.5-221209-L-WF	474718-004	Wipe	12/09/22
5	ARCH-C2W-DG-4 TO 4.5-UP-C2.7-DG-221209-L-LA	474718-005	Wipe	12/09/22
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	not reported / provided
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55780B4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	12/12/22	ICSA (13:35)	Pb	-0.005611 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

LDC #: 55780B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9751	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 12/12 @ 14:54	Pb	0.976955	1.000	98	98	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55780B46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (µg/Ht2 (units)	True / D / SDR (µg/Ht2 (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.0170 mg/L	1.000 mg/L	102	102	Y
LCS	Laboratory control sample	Pb	97.89 µg/Ht2	100.00 µg/Ht2	98	98	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55780B4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #3

$0.212246 \times (50/1.02) = 10.404$

#	Sample ID	Analyte	Reported Concentration (µg/l)	Calculated Concentration (µg/l)	Acceptable (Y/N)
	1	Pb	11	10.575	Y
	2	Pb	4.5	4.534	Y
	3	Pb	10	10.404	Y
	4	Pb	6.8	6.792	Y
	5	Pb	9.5	9.504	Y

Note:

Quality Control
Outlier Reports

475736

LDC #: 55780C3b

SDG #: 475736

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/7/2023

Page: ___ of ___

Reviewer: [illegible]

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	AD	
V.	Field blanks	ND	FB= 28, 29
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 5/4, 23/22
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C4W-INT-2.5 TO 3.5-221221-P-WF	475736-001	Wipe	12/21/22
2	ARCH-C3W-INT-2.58 TO 3.5-221221-P-WF	475736-003	Wipe	12/21/22
3	ARCH-C4W-DG-3 TO 3.5-221221-P-FB	475736-005	Wipe	12/21/22
4	ARCH-C3W-DG-4 TO 4.5-DN-C3.4-VS-221221-P-LA	475736-008	Wipe	12/21/22
5	ARCH-C3W-DG-4 TO 4.5-DN-C3.4-VS-221221-P-DUP-LA	475736-009	Wipe	12/21/22
6	ARCH-C5W-DG-4 TO 221221-P-FB	475736-011	Wipe	12/21/22
7	ARCH-C4W-EXT-4 TO 5-221221-P-WF	475736-014	Wipe	12/21/22
8	ARCH-C5W-PS-4.5-221221-P-G	475736-016	Wipe	12/21/22
9	ARCH-C5W-DG-4.5 TO 5-DN-C5.1-DG-221221-P-LA	475736-18	Wipe	12/21/22
10	ARCH-C3W-DG-5 TO 5.5-UP-C3.6-VS-221221-P-LA	475736-20	Wipe	12/21/22
11	ARCH-C5W-DG-5 TO 5.5-UP-C5.3-HS-221221-P-LA	475736-22	Wipe	12/21/22
12	ARCH-C3W-INT-4.5 TO 5.5-221221-P-WF	475736-24	Wipe	12/21/22
13	ARCH-C4W-PS-5.5-221221-P-G	475736-26	Wipe	12/21/22
14	ARCH-C3W-PS-5.5-221221-P-G	475736-28	Wipe	12/21/22
15	ARCH-C5W-DG-5 TO 5.5-DN-C5.3-DG-221221-P-LA	475736-30	Wipe	12/21/22
16	ARCH-C5W-PS-6-221221-P-G	475736-32	Wipe	12/21/22
17	ARCH-C3W-DG-5.5 TO 6-UP-C3.3-HS-221221-P-LA	475736-34	Wipe	12/21/22

LDC #: 55780C3b

SDG #: 475736

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

Page: of

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C5W-DG-5.5-TO 6-221221-P-FB	475736-36	Wipe	12/21/22
19	ARCH-C5W-DG-6 TO 6.5-221221-P-FB	475736-38	Wipe	12/21/22
20	ARCH-C3W-DG-6 TO 6.5-UP-C3.1-HS-221221-P-LA	475736-40	Wipe	12/21/22
21	ARCH-C3W-EXT-6 TO 7-221221-P-WF	475736-42	Wipe	12/21/22
22	ARCH-C5W-PS-6.5-221221-P-G	475736-44	Wipe	12/21/22
23	ARCH-C5W-PS-6.5-221221-P-DUP-G	475736-45	Wipe	12/21/22
24	ARCH-C3W-PS-6.5-221221-P-G	475736-47	Wipe	12/21/22
25	ARCH-C3W-DG-7 TO 7.5-UP-C3.4-DG-221221-P-LA	475736-49	Wipe	12/21/22
26	ARCH-C3W-DG-7 TO 7.5-UP-C3.5-DG-221221-P-LA	475736-51	Wipe	12/21/22
27	ARCH-C5W-EXT-8 TO 9-221221-P-WF	475736-53	Wipe	12/21/22
28	ARCH-P-MEDBLANK1	475736-55	Wipe	12/21/22
29	ARCH-P-MEDBLANK2	475736-57	Wipe	12/21/22
30				
31				
32				

Notes:

LDC #: 55780C4b

SDG #: 475736

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/7/2023

Page: ___ of ___

Reviewer: BM

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB=28, 29
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 4/3, 7/6,
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C4W-INT-2.5 TO 3.5-221221-L-WF	475736-002	Wipe	12/21/22
2	ARCH-C3W-INT-2.5 TO 3.5-2212221-L-WF	475736-004	Wipe	12/21/22
3	ARCH-C4W-DG-3 TO 3.5-221221-L-FB	475736-006	Wipe	12/21/22
4	ARCH-C4W-DG-3-TO 3.5-221221-L-DUP-FB	475736-007	Wipe	12/21/22
5	ARCH-C3W-DG-4 TO 4.5-DN-C3.4-VS-221221-L-LA	475736-010	Wipe	12/21/22
6	ARCH-C5W-DG-4 TO 4.5-221221-L-FB	475736-012	Wipe	12/21/22
7	ARCH-C5W-DG-4 TO 4.5-221221-L-DUP-FB	475736-013	Wipe	12/21/22
8	ARCH-C4W-EXT-4 TO 5-221221-L-WF	475736-015	Wipe	12/21/22
9	ARCH-C5W-PS-4.5-221221-L-G	475736-017	Wipe	12/21/22
10	ARCH-C5W-DG-4.5 TO 5-DN-C5.1-DG-221221-L-LA	475736-19	Wipe	12/21/22
11	ARCH-C3W-DG-5 TO 5.5-UP-C3.6-VS-221221-L-LA	475736-21	Wipe	12/21/22
12	ARCH-C5W-DG-5 TO 5.5-UP-C5.3-HS-221221-L-LA	475736-23	Wipe	12/21/22
13	ARCH-C3W-INT-4.5 TO 5.5-221221-L-WF	475736-25	Wipe	12/21/22
14	ARCH-C4W-PS-5.5-221221-L-G	475736-27	Wipe	12/21/22
15	ARCH-C3W-PS-5.5-221221-L-G	475736-29	Wipe	12/21/22
16	ARCH-C5W-DG-5 TO 5.5-DN-C5.3-DG-221221-L-LA	475736-31	Wipe	12/21/22
17	ARCH-C5W-PS-6-221221-L-G	475736-33	Wipe	12/21/22

LDC #: 55780C4b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:_____

SDG #: 475736

Page: of

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer:_____

2nd Reviewer:_____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C3W-DG5.5 TO 6-UP-C3.3-HS-221221-L-LA	475736-35	Wipe	12/21/22
19	ARCH-C5W-DG-5.5 TO 6-221221-L-FB	475736-37	Wipe	12/21/22
20	ARCH-C5W-DG-6 TO 6.5-221221-L-FB	475736-39	Wipe	12/21/22
21	ARCH-C3W-DG-6 TO 6.5-UP-C3.1-HS-221221-L-LA	475736-41	Wipe	12/21/22
22	ARCH-C3W-EXT-6 TO 7-221221-L-WF	475736-43	Wipe	12/21/22
23	ARCH-C5W-PS-6.5-221221-L-G	475736-46	Wipe	12/21/22
24	ARCH-C3W-PS-6.5-221221-L-G	475736-48	Wipe	12/21/22
25	ARCH-C3W-DG-7 TO 7.5-UP-C3.4-DG-221221-L-LA	475736-50	Wipe	12/21/22
26	ARCH-C3W-DG-7 TO 7.5-UP-C3.5-DG-221221-L-LA	475736-52	Wipe	12/21/22
27	ARCH-C5W-EXT-8 TO 9-221221-L-WF	475736-54	Wipe	12/21/22
28	ARCH-L-MEDBLANK1	475736-56	Wipe	12/21/22
29	ARCH-L-MEDBLANK2	475736-58	Wipe	12/21/22
30				
31				
32				

Notes:_____

Field Blank Contamination Report

Lab Reporting Batch ID: 475736

EDD Filename: Prep475736

Laboratory: Enthalpy Orange

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	221222-L-MEDBLANK1	5.1	No Qualifiers Applied

Field Blank Contamination Report

Lab Reporting Batch ID: 475736

Laboratory: Enthalpy Orange

EDD Filename: Prep475736

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	221222-L-MEDBLANK2	2.8	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 475736 **Laboratory: Enthalpy Orange**

EDD Filename: Prep475736 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C4W-DG-3 TO 3.5-221221-L-FB (TOT)	**ARCH-C4W-DG-3 TO 3.5-221221-L-DUP-FB**			
LEAD	27	38	34	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C5W-DG-4 TO 4.5-221221-L-FB (TOT)	**ARCH-C5W-DG-4 TO 4.5-221221-L-DUP-FB**			
LEAD	59	77	26	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

475743

LDC #: 55780D3b
SDG #: 475743
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 1/24/23
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%RSD ≤ 20 ICV ≤ 20 15 %
III.	Continuing calibration	A	CCV ≤ 20 15 %
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 3,4
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	ND	D = 5,6
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C5W-DG-1.5 TO 2-UP-C5.7-VS-221221-P-LA	475743-001	Wipe	12/21/22
2	ARCH-C5W-DG-1.5 TO 2-UP-C5.7-VS-221221-P-DUP-LA	475743-002	Wipe	12/21/22
3	ARCH-C3W-DG-2 TO 2.5-221221-P-FB	475743-004	Wipe	12/21/22
4	ARCH-C4W-DG-2 TO 2.5-221221-P-FB	475743-007	Wipe	12/21/22
5	ARCH-C3W-DG-2 TO 2.5-UP-C3.6-HS-221221-P-LA	475743-010	Wipe	12/21/22
6	ARCH-C3W-DG-2 TO 2.5-UP-C3.6-HS-221221-P-DUP-LA	475743-011	Wipe	12/21/22
7	ARCH-C5W-DG-3 TO 3.5-UP-C5.6-HS-221221-P-LA	475743-013	Wipe	12/21/22
8				
9				
10				
11				
12				
13				

Notes:

	303863						

LDC #: 55780 D3b

VALIDATION FINDINGS CHECKLIST

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 %?	✓			
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 compounds detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?		✓		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55780 D3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (SDV std)	Recalculated CF (SDV std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/24/22	Aroclor 1260-1 chA	0.0578	0.0578	0.0676	0.0676	18	18
			chB	0.0510	0.0510	0.0595	0.0595	14	14
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55780D3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	12/27/22 1024	Aroclor 1260 chA	500.0	517.4	517.4	3	3
			chB	500.0	500.4	500.4	0	0
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 #: 55780D36

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	35.8706	72	72	0
DCB	↓	↓	37.0986	74	74	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 #: 55780D3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ___ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 3083363 LCS LCSD

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.99	4.895	84	84	98	98	15	15

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55X0D3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 303863-LCS Compound Name Aroclor 1260

Concentration = $\frac{419.92 \ (10.0)}{(1.0)(100)}$ =

= 4.1992

#	Sample ID	Compound	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LCS	Aroclor 1260	4.199	4.1992	
	Aroclor 1260-	1 = 6713395.36 / 52649932.98 (20.0)(0.0595)		1260-1 = 428.6	
				2 = 422.5	
				3 = 420.7	
				4 = 424.1	
				5 = 403.4	
				419.92	

Comments: _____

LDC #: 55780D4b
SDG #: 475743
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 2/6/23
Page: 1 of 1
Reviewer: ATV
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(2,3), (4,5)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C5W-DG-1.5 TO 2-UP-C5.7-VS221221-L-LA	475743-003	Wipe	12/21/22
2	ARCH-C3W-DG-2 TO 2.5-221221-L-FB	475743-005	Wipe	12/21/22
3	ARCH-C3W-DG-2 TO 2.5-221221-L-DUP-FB	475743-006	Wipe	12/21/22
4	ARCH-C4W-DG-2 TO 2.5-221221-L-FB	475743-008	Wipe	12/21/22
5	ARCH-C4W-DG-2 TO 2.5-221221-L-DUP-FB	475743-009	Wipe	12/21/22
6	ARCH-C3W-DG-2 TO 2.5-UP-C3.6-HS-221221-L-LA	475743-012	Wipe	12/21/22
7	ARCH-C5W-DG-3 TO 3.5-UP-C5.6-HS-221221-L-LA	475743-014	Wipe	12/21/22
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55780D4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	12/23/22	ICSA (09:34)	Pb	-0.01871 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 475743 **Laboratory: Enthalpy Orange**

EDD Filename: Prep475743 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C3W-DG-2 TO 2.5-221221-L-FB (TOT)	**ARCH-C3W-DG-2 TO 2.5-221221-L-DUP-FB**			
LEAD	51	55	8	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C4W-DG-2 TO 2.5-221221-L-FB (TOT)	**ARCH-C4W-DG-2 TO 2.5-221221-L-DUP-FB**			
LEAD	45	33	31	100.00	No Qualifiers Applied

LDC#: 55780D4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD (≤ 50%)	
	2	3		
Lead	51	55	8	

\\LDCFILESERVER\Validation\FIELD DUPLICATES\Field Duplicates\FD_inorganic\2023\55780D4b.wpd

Analyte	Concentration (ug/ft2)		RPD (≤ 50%)	
	4	5		
Lead	45	33	31	

LDC #: 55780D46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.01855	1.000	102	102	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 12/23@18:33	Pb	1.03488	1.000	103	103	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55780D46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (mg/kg (units))	True / D / SDR (mg/kg (units))	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9520 mg/L	1.000 mg/L	95	95	Y
LCS	Laboratory control sample	Pb	104.785	100.00	105	105	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55780D4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #6

$4.47763 \times (50/1.02) = 219.492$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (ug/Kg)	Calculated Concentration (ug/Kg)	Acceptable (Y/N)
	1	Pb	56	56.297	Y
	2	Pb	51	51.267	Y
	3	Pb	55	55.000	Y
	4	Pb	45	44.719	Y
	5	Pb	33	33.206	Y
	6	Pb	220	219.492	Y
	7	Pb	100	100.910	Y

Note:

Quality Control
Outlier Reports

475744

LDC #: 55780E3b
SDG #: 475744
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 1/24/23
Page: 1 of 1
Reviewer: F
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%D/PSD ≤20 ICV ≤20 15%
III.	Continuing calibration	A	CCV ≤20 15%
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	C5
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-P-LA	475744-001	Wipe	12/21/22
2	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-P-CB	475744-003	Wipe	12/21/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	303863						

LDC #: 55780E3b

VALIDATION FINDINGS CHECKLIST

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%~~ M 15 %	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20%~~ M 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 compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?		/		
Were target compounds detected in the field duplicates?			/	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	/			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55780E3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC ____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/24/22	Aroclor 1260 / chA	0.0578	0.0578	0.0676	0.0676	18	18
			chB	0.0510	0.0510	0.0595	0.0595	14	14
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55780E36

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	12/27/22 1024	Aroclor 1260 chA	500.0	517.4	517.4	3	3
			chB	500.0	500.4	500.4	0	0
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 #: 55780E3b

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	50.0	28.7308	57	57	0
DCB	chB	↓	26.7833	54	54	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 #: 55780E3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration; SA = Spike added
LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 303863 LCSD

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.99	4.895	84	84	98	98	15	15

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55780E36

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 303863-LCS Compound Name Aroclor 1260

Concentration = $\frac{419.92\ (10)}{(1.00)(1000)}$ =

4.1992

34027

#	Sample ID	Compound	Reported Concentrations (ug / 100 cm²)	Recalculated Results Concentrations (ug / 100 cm²)	Qualifications
	LCS	Aroclor 1260	~~4.99~~ 4.199	4.1992	
	Aroclor 1260-1	= 6713395.36	(20.0)	1260-1 = 428.6	
	2	= 5264632.98	(0.0595)	2 = 422.5	
	3			3 = 420.7	
	4	= 428.6		4 = 424.1	
				5 = 403.4	
				419.92	

Comments:

LDC #: 55780E4b

SDG #: 475744

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 2/6/23

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	CS
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C5W-MED-L3-UP-C5.2-VS-221221-L-LA	475744-002	Wipe	12/21/22
2	AFRAME-C5W-MED-L3-UP-C5.6-HM-221221-L-CB	475744-004	Wipe	12/21/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	not reported / provided
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55780E4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	12/23/22	ICSA (09:34)	Pb	-0.01871 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 55780E4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATV

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (mg/L ~~ug/L~~)	True (mg/L ~~ug/L~~)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.01855	1.000	102	102	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 12/23 @ 19:13	Pb	1.0318	1.000	103	103	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55780E4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) (µg/kg)	True / D / SDR (units) (µg/kg)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.95204 mg/L	1.000 mg/L	95	95	Y
LCS	Laboratory control sample	Pb	104.785	100.00	105	105	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55780E4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #2

3.52761 x 50 = 176.381

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

#	Sample ID	Analyte	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Acceptable (Y/N)
	1	Pb	630	630.985	Y
	2	Pb	180	176.381	Y

Note: _____

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

September 14, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on February 9, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #56108_RV2:

SDG #	**Fraction**
478361, 478362, 478368, 478371, 478373, 478913	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

250 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 56108 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	478361	02/09/23	03/03/23	0	3	0	3																												
B	478362	02/09/23	03/03/23	0	5	0	5																												
C	478368	02/09/23	03/03/23	0	1	0	1																												
D	478371	02/09/23	03/03/23	0	7	0	7																												
E	478373	02/09/23	03/03/23	0	32	0	32																												
F	478913	02/09/23	03/03/23	-	-	0	15																												
Total	TR/PG			0	48	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\56108ST-Wipe.wpd

LDC Report# 56108_RV2

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

478361
478362
478368
478371
478373
478913

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 3.

September 14, 2023

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the January 2023 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
For analytes where average relative response factors (RRFs) 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.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

Media blank samples are referred to as field blank samples in the text of the report

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. One media blank had detections for lead. The media 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 sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Four field duplicate pairs were collected and analyzed. No contaminants were found.

6010B
Five field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 478361							
Method: 6010B							
AFRAME-C3W-LAT-L2-HS-1-L-230127-FB	478361-005	WIPE	N	3050B		1/27/2023 9:15:00 AM	S3VEM
AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L-LA	478361-002	WIPE	N	3050B		1/27/2023 9:26:00 AM	S3VEM
AFRAME-C5W-MED-L2-HS-1-230127-L-G	478361-004	WIPE	N	3050B		1/27/2023 9:00:00 AM	S3VEM
Method: 8082							
AFRAME-C3W-LAT-L2-HS-1-P-230127-FB	478361-006	WIPE	N		3546	1/27/2023 9:15:00 AM	S3VEM
AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P-LA	478361-001	WIPE	N		3546	1/27/2023 9:26:00 AM	S3VEM
AFRAME-C5W-MED-L2-HS-1-230127-P-G	478361-003	WIPE	N		3546	1/27/2023 9:00:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 478362							
Method: 6010B							
ARCH-C3W-DG-7.5 TO 9-DN-C3.2-VS-230126-L-LA	478362-006	WIPE	N	3050B		1/26/2023 1:25:00 PM	S2AVE
ARCH-C3W-DG-8 TO 9-UP-C3.1-VS-230126-L-LA	478362-010	WIPE	N	3050B		1/26/2023 1:40:00 PM	S2AVE
ARCH-C3W-EXT-7 TO 8-230126-L-WF	478362-004	WIPE	N	3050B		1/26/2023 1:05:00 PM	S2AVE
ARCH-C4W-DG-7 TO 7.5-230126-L-FB	478362-002	WIPE	N	3050B		1/26/2023 12:55:00 PM	S2AVE
ARCH-C5W-DG-8 TO 9-UP-C5.7-VS-230126-L-LA	478362-008	WIPE	N	3050B		1/26/2023 1:55:00 PM	S2AVE
Method: 8082							
ARCH-C3W-DG-7.5 TO 9-DN-C3.2-VS-230126-P-LA	478362-005	WIPE	N		3546	1/26/2023 1:25:00 PM	S2AVE
ARCH-C3W-DG-8 TO 9-UP-C3.1-VS-230126-P-LA	478362-009	WIPE	N		3546	1/26/2023 1:40:00 PM	S2AVE
ARCH-C3W-EXT-7 TO 8-230126-P-WF	478362-003	WIPE	N		3546	1/26/2023 1:05:00 PM	S2AVE
ARCH-C4W-DG-7 TO 7.5-230126-P-FB	478362-001	WIPE	N		3546	1/26/2023 12:55:00 PM	S2AVE
ARCH-C5W-DG-8 TO 9-UP-C5.7-VS-230126-P-LA	478362-007	WIPE	N		3546	1/26/2023 1:55:00 PM	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 478368							
Method: 6010B							
230126-L-MEDBLANK1	478368-002	WIPE	FB	3050B		1/26/2023 12:50:00 PM	S2AVE
Method: 8082							
230126-P-MEDBLANK1	478368-001	WIPE	FB		3546	1/26/2023 12:50:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 478371							
Method: 6010B							
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-L-LA	478371-012	WIPE	N	3050B		1/26/2023 2:50:00 PM	S3VEM
AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-L-WF	478371-014	WIPE	N	3050B		1/26/2023 3:10:00 PM	S3VEM
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP-WF	478371-003	WIPE	FD	3050B		1/26/2023 2:25:00 PM	S3VEM
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-WF	478371-002	WIPE	N	3050B		1/26/2023 2:25:00 PM	S3VEM
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP-WF	478371-006	WIPE	FD	3050B		1/26/2023 2:10:00 PM	S3VEM
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-WF	478371-005	WIPE	N	3050B		1/26/2023 2:10:00 PM	S3VEM
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L-LA	478371-009	WIPE	N	3050B		1/26/2023 3:25:00 PM	S3VEM
Method: 8082							
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-DUP-LA	478371-011	WIPE	FD		3546	1/26/2023 2:50:00 PM	S3VEM
AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-LA	478371-010	WIPE	N		3546	1/26/2023 2:50:00 PM	S3VEM
AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-P-WF	478371-013	WIPE	N		3546	1/26/2023 3:10:00 PM	S3VEM
AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P-WF	478371-001	WIPE	N		3546	1/26/2023 2:25:00 PM	S3VEM
AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P-WF	478371-004	WIPE	N		3546	1/26/2023 2:10:00 PM	S3VEM
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP-LA	478371-008	WIPE	FD		3546	1/26/2023 3:25:00 PM	S3VEM
AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-LA	478371-007	WIPE	N		3546	1/26/2023 3:25:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 478373						
Method: 6010B						
230127-L-MEDBLANK2	478373-064	WIPE	FB	3050B	1/27/2023 8:35:00 AM	S2AVE
AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-L-CB	478373-058	WIPE	N	3050B	1/27/2023 11:20:00 AM	S2AVE
AFRAME-C3W-LAT-L1-HS-3-230127-L-A	478373-028	WIPE	N	3050B	1/27/2023 11:20:00 AM	S2AVE
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-L-FB	478373-054	WIPE	N	3050B	1/27/2023 11:00:00 AM	S2AVE
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-L-I	478373-034	WIPE	N	3050B	1/27/2023 8:55:00 AM	S2AVE
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-L-LA	478373-045	WIPE	N	3050B	1/27/2023 10:00:00 AM	S2AVE
AFRAME-C3W-MED-L1-DN-C3W-DG-230127-L-SS	478373-056	WIPE	N	3050B	1/27/2023 11:10:00 AM	S2AVE
AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-L-WF	478373-043	WIPE	N	3050B	1/27/2023 9:45:00 AM	S2AVE
AFRAME-C3W-MED-L1-HS-3-230127-L-G	478373-030	WIPE	N	3050B	1/27/2023 8:40:00 AM	S2AVE
AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-L-FB	478373-018	WIPE	N	3050B	1/27/2023 11:10:00 AM	S2AVE
AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-L-LA	478373-020	WIPE	N	3050B	1/27/2023 12:10:00 PM	S2AVE
AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-L-SS	478373-032	WIPE	N	3050B	1/27/2023 9:03:00 AM	S2AVE
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-L-LA	478373-007	WIPE	N	3050B	1/27/2023 10:15:00 AM	S2AVE
AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-L-LA	478373-002	WIPE	N	3050B	1/27/2023 8:40:00 AM	S2AVE
AFRAME-C4W-EXT-L1-HS-3-230127-L-A	478373-037	WIPE	N	3050B	1/27/2023 9:12:00 AM	S2AVE
AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-L-FB	478373-047	WIPE	N	3050B	1/27/2023 10:15:00 AM	S2AVE
AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-L-WF	478373-022	WIPE	N	3050B	1/27/2023 11:55:00 AM	S2AVE
AFRAME-C4W-MED-L2-INT-0 TO 1-230127-L-FB	478373-009	WIPE	N	3050B	1/27/2023 9:50:00 AM	S2AVE
AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-L-CB	478373-052	WIPE	N	3050B	1/27/2023 10:25:00 AM	S2AVE
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-DUP-WF	478373-050	WIPE	FD	3050B	1/27/2023 10:36:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-WF	478373-049	WIPE	N	3050B	1/27/2023 10:36:00 AM	S2AVE
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-L-I	478373-041	WIPE	N	3050B	1/27/2023 9:33:00 AM	S2AVE
AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-L-CB	478373-026	WIPE	N	3050B	1/27/2023 11:31:00 AM	S2AVE
AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-L-I	478373-014	WIPE	N	3050B	1/27/2023 10:50:00 AM	S2AVE
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-DUP-FB	478373-012	WIPE	FD	3050B	1/27/2023 9:55:00 AM	S2AVE
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-FB	478373-011	WIPE	N	3050B	1/27/2023 9:55:00 AM	S2AVE
AFRAME-C5W-MED-L1-DN-C5W-DG-230127-L-SS	478373-062	WIPE	N	3050B	1/27/2023 11:50:00 AM	S2AVE
AFRAME-C5W-MED-L1-HS-3-230127-L-A	478373-039	WIPE	N	3050B	1/27/2023 9:25:00 AM	S2AVE
AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-L-FB	478373-060	WIPE	N	3050B	1/27/2023 11:35:00 AM	S2AVE
AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-L-SS	478373-024	WIPE	N	3050B	1/27/2023 11:45:00 AM	S2AVE
AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-L-LA	478373-016	WIPE	N	3050B	1/27/2023 10:32:00 AM	S2AVE
AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-L-LA	478373-004	WIPE	N	3050B	1/27/2023 9:40:00 AM	S2AVE
Method: 8082						
230127-P-MEDBLANK2	478373-063	WIPE	FB	3546	1/27/2023 8:35:00 AM	S2AVE
AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-P-CB	478373-057	WIPE	N	3546	1/27/2023 11:20:00 AM	S2AVE
AFRAME-C3W-LAT-L1-HS-3-230127-P-A	478373-027	WIPE	N	3546	1/27/2023 11:20:00 AM	S2AVE
AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-P-FB	478373-053	WIPE	N	3546	1/27/2023 11:00:00 AM	S2AVE
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-P-I	478373-033	WIPE	N	3546	1/27/2023 8:55:00 AM	S2AVE
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-P-LA	478373-044	WIPE	N	3546	1/27/2023 10:00:00 AM	S2AVE
AFRAME-C3W-MED-L1-DN-C3W-DG-230127-P-SS	478373-055	WIPE	N	3546	1/27/2023 11:10:00 AM	S2AVE
AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-P-WF	478373-042	WIPE	N	3546	1/27/2023 9:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C3W-MED-L1-HS-3-230127-P-G	478373-029	WIPE	N	3546	1/27/2023 8:40:00 AM	S2AVE
AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-P-FB	478373-017	WIPE	N	3546	1/27/2023 11:10:00 AM	S2AVE
AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-P-LA	478373-019	WIPE	N	3546	1/27/2023 12:10:00 PM	S2AVE
AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-P-SS	478373-031	WIPE	N	3546	1/27/2023 9:03:00 AM	S2AVE
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-DUP-LA	478373-006	WIPE	FD	3546	1/27/2023 10:15:00 AM	S2AVE
AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-LA	478373-005	WIPE	N	3546	1/27/2023 10:15:00 AM	S2AVE
AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-P-LA	478373-001	WIPE	N	3546	1/27/2023 8:40:00 AM	S2AVE
AFRAME-C4W-EXT-L1-HS-3-230127-P-A	478373-035	WIPE	N	3546	1/27/2023 9:12:00 AM	S2AVE
AFRAME-C4W-EXT-L1-HS-3-230127-P-DUP-A	478373-036	WIPE	FD	3546	1/27/2023 9:12:00 AM	S2AVE
AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-P-FB	478373-046	WIPE	N	3546	1/27/2023 10:15:00 AM	S2AVE
AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-P-WF	478373-021	WIPE	N	3546	1/27/2023 11:55:00 AM	S2AVE
AFRAME-C4W-MED-L2-INT-0 TO 1-230127-P-FB	478373-008	WIPE	N	3546	1/27/2023 9:50:00 AM	S2AVE
AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-P-CB	478373-051	WIPE	N	3546	1/27/2023 10:25:00 AM	S2AVE
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-P-WF	478373-048	WIPE	N	3546	1/27/2023 10:36:00 AM	S2AVE
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-P-I	478373-040	WIPE	N	3546	1/27/2023 9:33:00 AM	S2AVE
AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-P-CB	478373-025	WIPE	N	3546	1/27/2023 11:31:00 AM	S2AVE
AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-P-I	478373-013	WIPE	N	3546	1/27/2023 10:50:00 AM	S2AVE
AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-P-FB	478373-010	WIPE	N	3546	1/27/2023 9:55:00 AM	S2AVE
AFRAME-C5W-MED-L1-DN-C5W-DG-230127-P-SS	478373-061	WIPE	N	3546	1/27/2023 11:50:00 AM	S2AVE
AFRAME-C5W-MED-L1-HS-3-230127-P-A	478373-038	WIPE	N	3546	1/27/2023 9:25:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-P-FB	478373-059	WIPE	N	3546	1/27/2023 11:35:00 AM	S2AVE
AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-P-SS	478373-023	WIPE	N	3546	1/27/2023 11:45:00 AM	S2AVE
AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-P-LA	478373-015	WIPE	N	3546	1/27/2023 10:32:00 AM	S2AVE
AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-P-LA	478373-003	WIPE	N	3546	1/27/2023 9:40:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 478913						
Method: 6010B						
AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-L-CB	478913-014	WIPE	N	3050B	2/4/2023 9:10:00 AM	S2AVE
AFRAME-C3W-LAT-L1-INT-0 TO 1-230204-L-FB	478913-012	WIPE	N	3050B	2/4/2023 9:00:00 AM	S2AVE
AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-L-I	478913-002	WIPE	N	3050B	2/4/2023 7:37:00 AM	S2AVE
AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-L-LA	478913-007	WIPE	N	3050B	2/4/2023 8:20:00 AM	S2AVE
AFRAME-C3W-MED-L1-DN-C3W-DG-230204-L-SS	478913-013	WIPE	N	3050B	2/4/2023 9:20:00 AM	S2AVE
AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-L-WF	478913-006	WIPE	N	3050B	2/4/2023 8:10:00 AM	S2AVE
AFRAME-C3W-MED-L1-HS-3-230204-L-G	478913-001	WIPE	N	3050B	2/4/2023 7:30:00 AM	S2AVE
AFRAME-C4W-LAT-L1-HS-3-230204-L-A	478913-003	WIPE	N	3050B	2/4/2023 7:45:00 AM	S2AVE
AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-L-FB	478913-008	WIPE	N	3050B	2/4/2023 8:30:00 AM	S2AVE
AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-L-CB	478913-011	WIPE	N	3050B	2/4/2023 9:30:00 AM	S2AVE
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-DUP-WF	478913-010	WIPE	FD	3050B	2/4/2023 8:40:00 AM	S2AVE
AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-WF	478913-009	WIPE	N	3050B	2/4/2023 8:40:00 AM	S2AVE
AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-L-I	478913-005	WIPE	N	3050B	2/4/2023 8:00:00 AM	S2AVE
AFRAME-C5W-MED-L1-DN-C5W-DG-230204-L-SS	478913-015	WIPE	N	3050B	2/4/2023 9:35:00 AM	S2AVE
AFRAME-C5W-MED-L1-HS-3-230204-L-A	478913-004	WIPE	N	3050B	2/4/2023 7:52:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/10/2023) **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: 478361

Laboratory: Enthalpy Orange

EDD Filename: Prep478361

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 478362

Laboratory: Enthalpy Orange

EDD Filename: Prep478362

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 478368

Laboratory: Enthalpy Orange

EDD Filename: Prep478368

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 478371

Laboratory: Enthalpy Orange

EDD Filename: Prep478371

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 478913

Laboratory: Enthalpy Orange

EDD Filename: Prep478913

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

478361

(No Outliers)

LDC #: 56108A3b
SDG #: 478361
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 3/1/23
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

~~cooler temp = 6.3 & 7.2°C~~

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%RSD ≤ 20, r² ICV ≤ ~~20~~ 15%
III.	Continuing calibration	A	CW ≤ ~~20~~ 15%
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 3
VI.	Surrogate spikes /17	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
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; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-P-LA	478361-001	Wipe	01/27/23
2	AFRAME-C5W-MED-L2-HS-1-230127-P-G	478361-003	Wipe	01/27/23
3	AFRAME-C3W-LAT-L2-HS-1-P-230127-FB	478361-006	Wipe	01/27/23
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	306460						

LDC #: 56108A3b

VALIDATION FINDINGS CHECKLIST

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%	✓			
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 compounds detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?		✓		
Were target compounds detected in the field duplicates?			✓	
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data	✓			
Overall assessment of data was found to be acceptable.				

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 56108A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (250 std)	Recalculated CF (250 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/4/23	Aroclor 1260-1 (A)	0.0750	0.0750	0.0740	0.0740	18	18
		↓	(B)	0.0622	0.0622	0.0624	0.0624	19	19
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56108A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC _____ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	2/2/23 1218	Aroclor 1260 (A)	500.0	480.8	480.8	4	4
			(B)	↓	548.0	548.0	10	10
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56108A3b

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	
~~RFB~~ TCMX	ch B	50	42.9704	86	86	0
DCB	↓	↓	44.1949	88	88	↓

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 #: 56108A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 306460 res1P

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.318	4.156	86	86	83	83	4	4

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56168A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 306460 LCS Compound Name Aroclor 1260

Concentration = $\frac{(431.772)(10)}{(1)(1000)(\text{sample})}$ =

= 4.31772

#	Sample ID	Compound	Reported Concentrations (ug/100cm²)	Recalculated Results Concentrations (ug/100cm²)	Qualifications
	LCS	Aroclor 1260	4.318	4.31772	
	Aroclor 1260-1 =	7941203.18 (20) / 5932699.91 (0.0624)	= 394.06	1260-1 =	394.06
				2 =	468.9
				3 =	420.6
				4 =	457.6
				5 =	417.7
					Ave = 431.772

Comments:

LDC #: 56108A4b
SDG #: 478361
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 3/9/23
Page: 1 of 1
Reviewer: ATL
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L2-UP-C3.7-DG-230127-L-LA	478361-002	Wipe	01/27/23
2	AFRAME-C5W-MED-L2-HS-1-230127-L-G	478361-004	Wipe	01/27/23
3	AFRAME-C3W-LAT-L2-HS-1-L-230127-FB	478361-005	Wipe	01/27/23
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	not provide / report
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 56108A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	01/30/23	ICSA (13:59)	Pb	0.01370 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 56108A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100 Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.04673	1.000	105	105	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 1130 e 19:39	Pb	1.04872	1.000	105	105	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 56108A46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (µg/ft2 (units)	True / D / SDR (µg/ft2 (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.05725 mg/L	1.000 mg/L	106	106	Y
LCS	Laboratory control sample	Pb	52.929	50.00	106	106	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 56108A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation:

$2.81626 \times (50/1.14) = 123.520$

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	1	Pb	190	186.547	Y
	2	Pb	120	123.520	Y
	3	Pb	150	153.343	Y

Note:

Quality Control
Outlier Reports

478362

(No Outliers)

LDC #: 56108B3b

SDG #: 478362

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 3/10/23

Page: __of__

Reviewer: BM

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C4W-DG-7 TO 7.5-230126-P-FB	478362-001	Wipe	01/26/23
2	ARCH-C3W-EXT-7 TO 8-230126-P-WF	478362-003	Wipe	01/26/23
3	ARCH-C3W-DG-7.5 TO 9-DN-C3.2-VS-230126-P-LA	478362-005	Wipe	01/26/23
4	ARCH-C5W-DG-8 TO 9-UP-C5.7-VS-230126-P-LA	478362-007	Wipe	01/26/23
5	ARCH-C3W-DG-8 TO 9-UP-C3.1-VS-230126-P-LA	478362-009	Wipe	01/26/23
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

LDC #: 56108B4b

SDG #: 478362

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 3/10/23

Page: ___ of ___

Reviewer: BM

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C4W-DG-7 TO 7.5-230126-L-FB	478362-002	Wipe	01/26/23
2	ARCH-C3W-EXT-7 TO 8-230126-L-WF	478362-004	Wipe	01/26/23
3	ARCH-C3W-DG-7.5 TO 9-DN-C3.2-VS-230126-L-LA	478362-006	Wipe	01/26/23
4	ARCH-C5W-DG-8 TO 9-UP-C5.7-VS-230126-L-LA	478362-008	Wipe	01/26/23
5	ARCH-C3W-DG-8 TO 9-UP-C3.1-VS-230126-L-LA	478362-010	Wipe	01/26/23
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: _____

Quality Control
Outlier Reports

478368

Field Blank Contamination Report

Lab Reporting Batch ID: 478368

Laboratory: Enthalpy Orange

EDD Filename: Prep478368

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230126-L-MEDBLANK1	3.8	No Qualifiers Applied

LDC #: 56108C3b

SDG #: 478368

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 3/10/23

Page: __ of __

Reviewer: [illegible]

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB=1
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	230126-P-MEDBLANK1	478368-001	Wipe	01/26/23
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

LDC #: 56108C4b
SDG #: 478368
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/10/23
Page: ___ of ___
Reviewer: [illegible]
2nd Reviewer: ___

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB=1
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	230126-L-MEDBLANK1	478368-002	Wipe	01/26/23
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: ___

Quality Control
Outlier Reports

478371

Field Duplicate RPD Report

Lab Reporting Batch ID: 478371 **Laboratory: Enthalpy Orange**

EDD Filename: Prep478371 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-			
LEAD	160	150	6	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 56108D3b

SDG #: 478371

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 3/1/23

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A/A	%D RSD ≤ 20, r² ICV ≤ 15%
III.	Continuing calibration	A	CW ≤ 15%
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/3	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS ID
IX.	Field duplicates	ND	D = 3, 4 5, 6
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-P-WF		478371-001	Wipe	01/26/23
2	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-P-WF		478371-004	Wipe	01/26/23
3	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-LA	D	478371-007	Wipe	01/26/23
4	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-P-DUP-LA	D	478371-008	Wipe	01/26/23
5	AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-LA	D,	478371-010	Wipe	01/26/23
6	AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-P-DUP-LA	D,	478371-011	Wipe	01/26/23
7	AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-P-WF		478371-013	Wipe	01/26/23
8					
9					
10					
11					
12					
13					

Notes:

	306459						

LDC #: 56108 D3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓ GC ___ HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?	✓			
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ ~~20%~~? 15%	✓			
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 compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?		✓		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 56108D3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (250 std)	Recalculated CF (250 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	1/4/23	Aroclor 1260-1 (A)	0.0750	0.0750	0.0740	0.0740	18	18
			(B)	0.0622	0.0622	0.0624	0.0624	19	19
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56108D3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	2/1/23 0936	Aroclor 1260 (A)	500.0	445.33	445.33	11	11
			↓ (B)	↓	443.0	443.0	11	11
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56108D3b

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	35.9738	72	72	0
DCB	↓	↓	35.2760	71	71	↓

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 #: 56108D3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 306459 LCS/LCSD

Compound	Spike Added (ug/100xm²)		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	3.517	4.284	70	70	86	86	20	20

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56108D3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 30645 9LC5 Compound Name Aroclor 1260

Concentration = $\frac{(351.73)(10)}{(1)(1000)}$ =

= 3.5173

#	Sample ID	Compound	Reported Concentrations (ug / 100 cm^2	Recalculated Results Concentrations (ug / 100 cm^2	Qualifications
	LCS	Aroclor 1260	3.517	3.5173	
	1260-1 = 15727 12.25 (20.0) / 12933 47.40 (0.0740)			1260-1 = 328.65	
				2 = 370.2	
				3 = 308.2	
		= 326.65		4 = 382.1	
				5 = 369.6	
				351.73	

Comments: _____

LDC #: 56108D4b

SDG #: 478371

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 3/9/23

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2), (3,4)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-WF	478371-002	Wipe	01/26/23
2	AFRAME-C3W-MED-L3-EXT-1 TO 2-230126-L-DUP-WF	478371-003	Wipe	01/26/23
3	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-WF	478371-005	Wipe	01/26/23
4	AFRAME-C4W-LAT-L3-EXT-1 TO 2-230126-L-DUP-WF	478371-006	Wipe	01/26/23
5	AFRAME-C5W-MED-L3-DN-C5.5-DG-230126-L-LA	478371-009	Wipe	01/26/23
6	AFRAME-C3W-LAT-L3-UP-C3.1-DG-230126-L-LA	478371-012	Wipe	01/26/23
7	AFRAME-C3W-MED-L3-EXT-0 TO 1-DG-230126-L-WF	478371-014	Wipe	01/26/23
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	not provided / reported
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 56108D4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	01/30/23	ICSA (13:59)	Pb	0.01370 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

LDC#: 56108D4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD (≤ 50%)	
	1	2		
Lead	160	180	12	

\\LDCFILESERVER\Validation\FIELD DUPLICATES\Field Duplicates\FD_inorganic\2023\56108D4b.wpd

Analyte	Concentration (ug/ft2)		RPD (≤ 50%)	
	3	4		
Lead	160	150	6	

LDC #: 56108D4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.04673	1.000	105	105	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 11/30 @ 20:18	Pb	1.06895	1.000	107	107	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: SG108D4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (ug/kg) (units)	True / D / SDR (ug/kg) (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	1.05725 mg/L	1.000 mg/L	106	106	Y
LCS	Laboratory control sample	Pb	52.929	50.00	106	106	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 56108D4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y)N N/A Have results been reported and calculated correctly?
(Y)N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y)N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #3

$3.29897 \times 50 = 164.949$

#	Sample ID	Analyte	Reported Concentration ug/L	Calculated Concentration ug/L	Acceptable (Y/N)
	1	Pb	160	156.243	Y
	2	Pb	180	178.504	Y
	3	Pb	160	164.949	Y
	4	Pb	150	150.008	Y
	5	Pb	260	255.587	Y
	6	Pb	400	395.380	Y
	7	Pb	220	224.667	Y

Note:

Quality Control
Outlier Reports

478373

Field Duplicate RPD Report

Lab Reporting Batch ID: 478373 **Laboratory: Enthalpy Orange**

EDD Filename: Prep478373 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-			
LEAD	1800	1900	5	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-			
LEAD	73	71	3	100.00	No Qualifiers Applied

Field Blank Contamination Report

Lab Reporting Batch ID: 478373

Laboratory: Enthalpy Orange

EDD Filename: Prep478373

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230127-L-MEDBLANK2	6.2	No Qualifiers Applied

LDC #: 56108E3b
SDG #: 478373
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/10/23
Page: __ of __
Reviewer: BM
2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB=32
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD=4/3, 11/18
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-P-LA	478373-001	Wipe	01/27/23
2	AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-P-LA	478373-003	Wipe	01/27/23
3	AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-P-LA	478373-005	Wipe	01/27/23
4	AFRAME-C3W-MED-L2-DN-3.47-DG-230127-P-DUP-LA	478373-006	Wipe	01/27/23
5	AFRAME-C4W-MED-L2-INT-0 TO 1-230127-P-FB	478373-008	Wipe	01/27/23
6	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-P-FB	478373-010	Wipe	01/27/23
7	AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-P-I	478373-013	Wipe	01/27/23
8	AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-P-LA	478373-015	Wipe	01/27/23
9	AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-P-FB	478373-017	Wipe	01/27/23
10	AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-P-LA	478373-019	Wipe	01/27/23
11	AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-P-WF	478373-021	Wipe	01/27/23
12	AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-P-SS	478373-023	Wipe	01/27/23
13	AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-P-CB	478373-025	Wipe	01/27/23
14	AFRAME-C3W-LAT-L1-HS-3-23027-P-A	478373-027	Wipe	01/27/23
15	AFRAME-C3W-MED-L1-HS-3-230127-P-G	478373-029	Wipe	01/27/23
16	AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-P-SS	478373-031	Wipe	01/27/23
17	AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-P-I	478373-033	Wipe	01/27/23

LDC #: 56108E3b

SDG #: 478373

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

Page: of

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C4W-EXT-L1-HS-3-230127-P-A	478373-035	Wipe	01/27/23
19	AFRAME-C4W-EXT-L1-HS-3-230127-P-DUP-A	478373-036	Wipe	01/27/23
20	AFRAME-C5W-MED-L1-HS-3-230127-P-A	478373-038	Wipe	01/27/23
21	AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-P-I	478373-040	Wipe	01/27/23
22	AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-P-WF	478373-042	Wipe	01/27/23
23	AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-P-LA	478373-044	Wipe	01/27/23
24	AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-P-FB	478373-046	Wipe	01/27/23
25	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-P-WF	478373-048	Wipe	01/27/23
26	AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-P-CB	478373-051	Wipe	01/27/23
27	AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-P-FB	478373-053	Wipe	01/27/23
28	AFRAME-C3W-MED-L1-DN-C3W-DG-230127-P-SS	478373-055	Wipe	01/27/23
29	AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-P-CB	478373-057	Wipe	01/27/23
30	AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-P-FB	478373-059	Wipe	01/27/23
31	AFRAME-C5W-MED-L1-DN-C5W-DG-230127-P-SS	478373-061	Wipe	01/27/23
32	230127-P-MEDBLANK2	478373-063	Wipe	01/27/23
33				
34				
35				

Notes:

LDC #: 56108E4b **VALIDATION COMPLETENESS WORKSHEET** Date: 3/10/23
SDG #: 478373 Stage 2A Page: of
Laboratory: Enthalpy Analytical, Orange, CA Reviewer:
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB=32
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 6/5, 25/24
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L2-UP-C3.3-DG-230127-L-LA	478373-002	Wipe	01/27/23
2	AFRAME-C5W-MED-L2-UP-C5.2-DG-230127-L-LA	478373-004	Wipe	01/27/23
3	AFRAME-C3W-MED-L2-DN-C3.4-DG-230127-L-LA	478373-007	Wipe	01/27/23
4	AFRAME-C4W-MED-L2-INT-0 TO 1-230127-L-FB	478373-009	Wipe	01/27/23
5	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-FB	478373-011	Wipe	01/27/23
6	AFRAME-C5W-LAT-L2-INT-0 TO 1-230127-L-DUP-FB	478373-012	Wipe	01/27/23
7	AFRAME-C5W-LAT-L2-DN-C5.7-VS-230127-L-I	478373-014	Wipe	01/27/23
8	AFRAME-C5W-MED-L2-DN-C5.3-DG-230127-L-LA	478373-016	Wipe	01/27/23
9	AFRAME-C3W-MED-L1-INT-2 TO 3-DG-230127-L-FB	478373-018	Wipe	01/27/23
10	AFRAME-C3W-MED-L1-UP-C3.1-VS-230127-L-LA	478373-020	Wipe	01/27/23
11	AFRAME-C4W-MED-L1-EXT-2 TO 3-VS-230127-L-WF	478373-022	Wipe	01/27/23
12	AFRAME-C5W-MED-L1-UP-C5.1-DG-230127-L-SS	478373-024	Wipe	01/27/23
13	AFRAME-C5W-LAT-L1-UP-C5.6-DG-230127-L-CB	478373-026	Wipe	01/27/23
14	AFRAME-C3W-LAT-L1-HS-3-23027-L-A	478373-028	Wipe	01/27/23
15	AFRAME-C3W-MED-L1-HS-3-230127-L-G	478373-030	Wipe	01/27/23
16	AFRAME-C3W-MED-L1-UP-C3.6-DG-230127-L-SS	478373-032	Wipe	01/27/23
17	AFRAME-C3W-LAT-L1-UP-C3.1-VS-230127-L-I	478373-034	Wipe	01/27/23

LDC #: 56108E4b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

SDG #: 478373

Page: of

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C4W-EXT-L1-HS-3-230127-L-LA	478373-037	Wipe	01/27/23
19	AFRAME-C5W-MED-L1-HS-3-230127-L-A	478373-039	Wipe	01/27/23
20	AFRAME-C5W-LAT-L1-UP-C5.1-VS-230127-L-I	478373-041	Wipe	01/27/23
21	AFRAME-C3W-MED-L1-EXT-1 TO 2-230127-L-WF	478373-043	Wipe	01/27/23
22	AFRAME-C3W-LAT-L1-UP-C3.7-HS-230127-L-LA	478373-045	Wipe	01/27/23
23	AFRAME-C4W-LAT-L1-INT-1 TO 2-230127-L-FB	478373-047	Wipe	01/27/23
24	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-WF	478373-049	Wipe	01/27/23
25	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230127-L-DUP-WF	478373-050	Wipe	01/27/23
26	AFRAME-C5W-LAT-L1-DN-C5W-DG-230127-L-CB	478373-052	Wipe	01/27/23
27	AFRAME-C3W-LAT-L1-INT-0 TO 1-DG-230127-L-FB	478373-054	Wipe	01/27/23
28	AFRAME-C3W-MED-L1-DN-C3W-DG-230127-L-SS	478373-056	Wipe	01/27/23
29	AFRAME-C3W-LAT-L1-DN-C3W-DG-230127-L-CB	478373-058	Wipe	01/27/23
30	AFRAME-C5W-MED-L1-INT-1 TO 2-DG-230127-L-FB	478373-060	Wipe	01/27/23
31	AFRAME-C5W-MED-L1-DN-C5W-DG-230127-L-SS	478373-062	Wipe	01/27/23
32	230127-L-MEDBLANK2	478373-064	Wipe	01/27/23
33				
34				
35				
36				

Notes:

Quality Control
Outlier Reports

478913

Field Duplicate RPD Report

Lab Reporting Batch ID: 478913 **Laboratory: Enthalpy Orange**

EDD Filename: Prep478913 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-			
LEAD	7.8	24	102	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 56108F4b
SDG #: 478913
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 3/10/23
Page: ___ of ___
Reviewer: BM
2nd Reviewer: ___

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 10/9
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C3W-MED-L1-HS-3-230204-L-G	478913-001	Wipe	02/04/23
2	AFRAME-C3W-LAT-L1-UP-C3.1-VS-230204-L-I	478913-002	Wipe	02/04/23
3	AFRAME-C4W-LAT-L1-HS-3-230204-L-A	478913-003	Wipe	02/04/23
4	AFRAME-C5W-MED-L1-HS-3-230204-L-A	478913-004	Wipe	02/04/23
5	AFRAME-C5W-LAT-L1-UP-C5.1-VS-230204-L-I	478913-005	Wipe	02/04/23
6	AFRAME-C3W-MED-L1-EXT-1 TO 2-230204-L-WF	478913-006	Wipe	02/04/23
7	AFRAME-C3W-LAT-L1-UP-C3.7-HS-230204-L-LA	478913-007	Wipe	02/04/23
8	AFRAME-C4W-LAT-L1-INT-1 TO 2-230204-L-FB	478913-008	Wipe	02/04/23
9	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-WF	478913-009	Wipe	02/04/23
10	AFRAME-C5W-LAT-L1-EXT-1 TO 2-230204-L-DUP-WF	478913-010	Wipe	02/04/23
11	AFRAME-C5W-LAT-L1-DN-C5W-DG-230204-L-CB	478913-011	Wipe	02/04/23
12	AFRAME-C3W-LAT-L1-INT-0 TO 1-230204-L-FB	478913-012	Wipe	02/04/23
13	AFRAME-C3W-MED-L1-DN-C3W-DG-230204-L-SS	478913-013	Wipe	02/04/23
14	AFRAME-C3W-LAT-L1-DN-C3W-DG-230204-L-CB	478913-014	Wipe	02/04/23
15	AFRAME-C5W-MED-L1-DN-C5W-DG-230204-L-SS	478913-015	Wipe	02/04/23
16				

Notes: ___

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

September 14, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on May 2, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #56623_RV1:

SDG #	Fraction
483449 483488 483492	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

167 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 56623 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	483449	05/02/23	05/23/23	0	12	0	12																												
B	483488	05/02/23	05/23/23	0	15	0	15																												
C	483492	05/02/23	05/23/23	0	33	0	33																												
Total	TR/PG			0	60	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\56623ST-Wipe.wpd

LDC Report# 56623_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

483449
483488
483492

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 3.

September 14, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the April 2023 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

Media blank samples are referred to as field blank samples in the text of the report

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. Both media blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blanks, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The 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
Five field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Five field duplicate pairs were collected and analyzed. Five field duplicates had detections for lead. All RPDs and absolute differences 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 (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 483449							
Method: 6010B							
AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-L-LA	483449-020	WIPE	N	3050B		4/14/2023 10:50:00 AM	S3VEM
AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF	483449-022	WIPE	N	3050B		4/14/2023 9:50:00 AM	S3VEM
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-L-LA	483449-018	WIPE	N	3050B		4/14/2023 9:30:00 AM	S3VEM
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-DUP-WF	483449-010	WIPE	FD	3050B		4/14/2023 9:10:00 AM	S3VEM
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-WF	483449-009	WIPE	N	3050B		4/14/2023 9:10:00 AM	S3VEM
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF	483449-007	WIPE	FD	3050B		4/14/2023 9:30:00 AM	S3VEM
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF	483449-006	WIPE	N	3050B		4/14/2023 9:30:00 AM	S3VEM
AFRAME-C4E-MED-L3-INT-0 TO 1-230414-L-WF	483449-015	WIPE	N	3050B		4/14/2023 10:10:00 AM	S3VEM
AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA	483449-024	WIPE	N	3050B		4/14/2023 10:40:00 AM	S3VEM
AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-L-LA	483449-002	WIPE	N	3050B		4/14/2023 9:55:00 AM	S3VEM
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA	483449-013	WIPE	N	3050B		4/14/2023 10:20:00 AM	S3VEM
AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB	483449-004	WIPE	N	3050B		4/14/2023 9:45:00 AM	S3VEM
Method: 8082							
AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-P-LA	483449-019	WIPE	N		3546	4/14/2023 10:50:00 AM	S3VEM
AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF	483449-021	WIPE	N		3546	4/14/2023 9:50:00 AM	S3VEM
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-DUP-LA	483449-017	WIPE	N		3546	4/14/2023 9:30:00 AM	S3VEM
AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-LA	483449-016	WIPE	N		3546	4/14/2023 9:30:00 AM	S3VEM
AFRAME-C3E-MED-L3-INT-1 TO 2-230414-P-WF	483449-008	WIPE	N		3546	4/14/2023 9:10:00 AM	S3VEM
AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF	483449-005	WIPE	N		3546	4/14/2023 9:30:00 AM	S3VEM
AFRAME-C4E-MED-L3-INT-0 TO 1-230414-P-WF	483449-014	WIPE	N		3546	4/14/2023 10:10:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA	483449-023	WIPE	N	3546	4/14/2023 10:40:00 AM	S3VEM
AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA	483449-001	WIPE	N	3546	4/14/2023 9:55:00 AM	S3VEM
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-DUP-LA	483449-012	WIPE	FD	3546	4/14/2023 10:20:00 AM	S3VEM
AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA	483449-011	WIPE	N	3546	4/14/2023 10:20:00 AM	S3VEM
AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB	483449-003	WIPE	N	3546	4/14/2023 9:45:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 483488							
Method: 6010B							
ARCH-C3E-DG-6 TO 6.5-UP-C3.1-VS-230414-L-LA	483488-012	WIPE	N	3050B		4/14/2023 8:10:00 AM	S2AVE
ARCH-C3E-DG-7 TO 7.5-UP-C3.7-DG-230414-L-LA	483488-021	WIPE	N	3050B		4/14/2023 8:05:00 AM	S2AVE
ARCH-C3E-DG-7.5 TO 9-UP-C3.3-VS-230414-L-LA	483488-030	WIPE	N	3050B		4/14/2023 9:20:00 AM	S2AVE
ARCH-C3E-EXT-7 TO 8-230414-L-DUP-WF	483488-026	WIPE	FD	3050B		4/14/2023 8:30:00 AM	S2AVE
ARCH-C3E-EXT-7 TO 8-230414-L-WF	483488-025	WIPE	N	3050B		4/14/2023 8:30:00 AM	S2AVE
ARCH-C3E-PS-5.5-230414-L-G	483488-006	WIPE	N	3050B		4/14/2023 7:25:00 AM	S2AVE
ARCH-C3E-PS-6.5-230414-L-G	483488-018	WIPE	N	3050B		4/14/2023 8:00:00 AM	S2AVE
ARCH-C4E-DG-7 TO 7.5-230414-L-FB	483488-023	WIPE	N	3050B		4/14/2023 8:20:00 AM	S2AVE
ARCH-C4E-PS-5.5-230414-L-G	483488-004	WIPE	N	3050B		4/14/2023 7:45:00 AM	S2AVE
ARCH-C5E-DG-5 TO 5.5-UP-C5.3-HS-230414-L-LA	483488-002	WIPE	N	3050B		4/14/2023 7:11:00 AM	S2AVE
ARCH-C5E-DG-5.5 TO 6-DN-C5.1-DG-230414-L-LA	483488-008	WIPE	N	3050B		4/14/2023 8:00:00 AM	S2AVE
ARCH-C5E-DG-6 TO 6.5-230414-L-FB	483488-010	WIPE	N	3050B		4/14/2023 8:20:00 AM	S2AVE
ARCH-C5E-DG-6 TO 6.5-DN-C5.6-VS-230414-L-LA	483488-014	WIPE	N	3050B		4/14/2023 8:30:00 AM	S2AVE
ARCH-C5E-EXT-8 TO 9-230414-L-WF	483488-028	WIPE	N	3050B		4/14/2023 8:50:00 AM	S2AVE
ARCH-C5E-PS-6.5-230414-L-G	483488-016	WIPE	N	3050B		4/14/2023 8:40:00 AM	S2AVE
Method: 8082							
ARCH-C3E-DG-6 TO 6.5-UP-C3.1-VS-230414-P-LA	483488-011	WIPE	N		3546	4/14/2023 8:10:00 AM	S2AVE
ARCH-C3E-DG-7 TO 7.5-UP-C3.7-DG-230414-P-DUP-LA	483488-020	WIPE	FD		3546	4/14/2023 8:05:00 AM	S2AVE
ARCH-C3E-DG-7 TO 7.5-UP-C3.7-DG-230414-P-LA	483488-019	WIPE	N		3546	4/14/2023 8:05:00 AM	S2AVE
ARCH-C3E-DG-7.5 TO 9-UP-C3.3-VS-230414-P-LA	483488-029	WIPE	N		3546	4/14/2023 9:20:00 AM	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C3E-EXT-7 TO 8-230414-P-WF	483488-024	WIPE	N	3546	4/14/2023 8:30:00 AM	S2AVE
ARCH-C3E-PS-5.5-230414-P-G	483488-005	WIPE	N	3546	4/14/2023 7:25:00 AM	S2AVE
ARCH-C3E-PS-6.5-230414-P-G	483488-017	WIPE	N	3546	4/14/2023 8:00:00 AM	S2AVE
ARCH-C4E-DG-7 TO 7.5-230414-P-FB	483488-022	WIPE	N	3546	4/14/2023 8:20:00 AM	S2AVE
ARCH-C4E-PS-5.5-230414-P-G	483488-003	WIPE	N	3546	4/14/2023 7:45:00 AM	S2AVE
ARCH-C5E-DG-5 TO 5.5-UP-C5.3-HS-230414-P-LA	483488-001	WIPE	N	3546	4/14/2023 7:11:00 AM	S2AVE
ARCH-C5E-DG-5.5 TO 6-DN-C5.1-DG-230414-P-LA	483488-007	WIPE	N	3546	4/14/2023 8:00:00 AM	S2AVE
ARCH-C5E-DG-6 TO 6.5-230414-P-FB	483488-009	WIPE	N	3546	4/14/2023 8:20:00 AM	S2AVE
ARCH-C5E-DG-6 TO 6.5-DN-C5.6-VS-230414-P-LA	483488-013	WIPE	N	3546	4/14/2023 8:30:00 AM	S2AVE
ARCH-C5E-EXT-8 TO 9-230414-P-WF	483488-027	WIPE	N	3546	4/14/2023 8:50:00 AM	S2AVE
ARCH-C5E-PS-6.5-230414-P-G	483488-015	WIPE	N	3546	4/14/2023 8:40:00 AM	S2AVE

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 3.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 483492						
Method: 6010B						
230414-L-MEDBLANK1	483492-062	WIPE	FB	3050B	4/14/2023 9:35:00 AM	S2AVE
230414-L-MEDBLANK2	483492-064	WIPE	FB	3050B	4/14/2023 12:50:00 PM	S2AVE
AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-L-CB	483492-058	WIPE	N	3050B	4/14/2023 2:45:00 PM	S2AVE
AFRAME-C3E-LAT-L1-HS-3-230414-L-A	483492-035	WIPE	N	3050B	4/14/2023 12:55:00 PM	S2AVE
AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-L-FB	483492-022	WIPE	N	3050B	4/14/2023 4:00:00 PM	S2AVE
AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-L-LA	483492-048	WIPE	N	3050B	4/14/2023 2:20:00 PM	S2AVE
AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-L-I	483492-033	WIPE	N	3050B	4/14/2023 1:10:00 PM	S2AVE
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-L-LA	483492-014	WIPE	N	3050B	4/14/2023 1:55:00 PM	S2AVE
AFRAME-C3E-MED-L1-DN-C3E-DG-230414-L-SS	483492-056	WIPE	N	3050B	4/14/2023 3:10:00 PM	S2AVE
AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-L-WF	483492-050	WIPE	N	3050B	4/14/2023 2:30:00 PM	S2AVE
AFRAME-C3E-MED-L1-HS-3-230414-L-G	483492-024	WIPE	N	3050B	4/14/2023 3:50:00 PM	S2AVE
AFRAME-C3E-MED-L1-INT-0 TO 1-230414-L-FB	483492-060	WIPE	N	3050B	4/14/2023 3:00:00 PM	S2AVE
AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-L-LA	483492-020	WIPE	N	3050B	4/14/2023 3:45:00 PM	S2AVE
AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-L-SS	483492-037	WIPE	N	3050B	4/14/2023 1:25:00 PM	S2AVE
AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-L-LA	483492-065	WIPE	N	3050B	4/14/2023 2:10:00 PM	S2AVE
AFRAME-C4E-LAT-L1-HS-3-230414-L-A	483492-031	WIPE	N	3050B	4/14/2023 3:30:00 PM	S2AVE
AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-L-FB	483492-046	WIPE	N	3050B	4/14/2023 2:10:00 PM	S2AVE
AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-L-WF	483492-016	WIPE	N	3050B	4/14/2023 2:50:00 PM	S2AVE
AFRAME-C4E-MED-L2-INT-1 TO 2-230414-L-FB	483492-011	WIPE	N	3050B	4/14/2023 1:00:00 PM	S2AVE
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-DUP-WF	483492-044	WIPE	FD	3050B	4/14/2023 1:50:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Method: 6010B							
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-WF	483492-043	WIPE	N	3050B		4/14/2023 1:50:00 PM	S2AVE
AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-L-I	483492-026	WIPE	N	3050B		4/14/2023 3:10:00 PM	S2AVE
AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-L-LA	483492-018	WIPE	N	3050B		4/14/2023 2:40:00 PM	S2AVE
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-DUP-FB	483492-009	WIPE	FD	3050B		4/14/2023 1:10:00 PM	S2AVE
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-FB	483492-008	WIPE	N	3050B		4/14/2023 1:10:00 PM	S2AVE
AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-L-I	483492-004	WIPE	N	3050B		4/14/2023 1:30:00 PM	S2AVE
AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-L-LA	483492-002	WIPE	N	3050B		4/14/2023 10:35:00 AM	S2AVE
AFRAME-C5E-MED-L1-DN-C5E-DG-230414-L-SS	483492-052	WIPE	N	3050B		4/14/2023 3:30:00 PM	S2AVE
AFRAME-C5E-MED-L1-HS-3-230414-L-A	483492-028	WIPE	N	3050B		4/14/2023 3:00:00 PM	S2AVE
AFRAME-C5E-MED-L1-INT-0 TO 1-230414-L-FB	483492-054	WIPE	N	3050B		4/14/2023 3:15:00 PM	S2AVE
AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-L-SS	483492-039	WIPE	N	3050B		4/14/2023 1:30:00 PM	S2AVE
AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-L-LA	483492-041	WIPE	N	3050B		4/14/2023 1:40:00 PM	S2AVE
AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-L-LA	483492-006	WIPE	N	3050B		4/14/2023 2:30:00 PM	S2AVE
Method: 8082							
230414-P-MEDBLANK1	483492-061	WIPE	FB		3546	4/14/2023 9:35:00 AM	S2AVE
230414-P-MEDBLANK2	483492-063	WIPE	FB		3546	4/14/2023 12:50:00 PM	S2AVE
AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-P-CB	483492-057	WIPE	N		3546	4/14/2023 2:45:00 PM	S2AVE
AFRAME-C3E-LAT-L1-HS-3-230414-P-A	483492-034	WIPE	N		3546	4/14/2023 12:55:00 PM	S2AVE
AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-P-FB	483492-021	WIPE	N		3546	4/14/2023 4:00:00 PM	S2AVE
AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-P-LA	483492-047	WIPE	N		3546	4/14/2023 2:20:00 PM	S2AVE
AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-P-I	483492-032	WIPE	N		3546	4/14/2023 1:10:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-DUP-LA	483492-013	WIPE	FD	3546	4/14/2023 1:55:00 PM	S2AVE
AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-LA	483492-012	WIPE	N	3546	4/14/2023 1:55:00 PM	S2AVE
AFRAME-C3E-MED-L1-DN-C3E-DG-230414-P-SS	483492-055	WIPE	N	3546	4/14/2023 3:10:00 PM	S2AVE
AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-P-WF	483492-049	WIPE	N	3546	4/14/2023 2:30:00 PM	S2AVE
AFRAME-C3E-MED-L1-HS-3-230414-P-G	483492-023	WIPE	N	3546	4/14/2023 3:50:00 PM	S2AVE
AFRAME-C3E-MED-L1-INT-0 TO 1-230414-P-FB	483492-059	WIPE	N	3546	4/14/2023 3:00:00 PM	S2AVE
AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-P-LA	483492-019	WIPE	N	3546	4/14/2023 3:45:00 PM	S2AVE
AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-P-SS	483492-036	WIPE	N	3546	4/14/2023 1:25:00 PM	S2AVE
AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-P-LA	483492-066	WIPE	N	3546	4/14/2023 2:10:00 PM	S2AVE
AFRAME-C4E-LAT-L1-HS-3-230414-P-A	483492-029	WIPE	N	3546	4/14/2023 3:30:00 PM	S2AVE
AFRAME-C4E-LAT-L1-HS-3-230414-P-DUP-A	483492-030	WIPE	FD	3546	4/14/2023 3:30:00 PM	S2AVE
AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-P-FB	483492-045	WIPE	N	3546	4/14/2023 2:10:00 PM	S2AVE
AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-P-WF	483492-015	WIPE	N	3546	4/14/2023 2:50:00 PM	S2AVE
AFRAME-C4E-MED-L2-INT-1 TO 2-230414-P-FB	483492-010	WIPE	N	3546	4/14/2023 1:00:00 PM	S2AVE
AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-P-WF	483492-042	WIPE	N	3546	4/14/2023 1:50:00 PM	S2AVE
AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-P-I	483492-025	WIPE	N	3546	4/14/2023 3:10:00 PM	S2AVE
AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-P-LA	483492-017	WIPE	N	3546	4/14/2023 2:40:00 PM	S2AVE
AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-P-FB	483492-007	WIPE	N	3546	4/14/2023 1:10:00 PM	S2AVE
AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-P-I	483492-003	WIPE	N	3546	4/14/2023 1:30:00 PM	S2AVE
AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-P-LA	483492-001	WIPE	N	3546	4/14/2023 10:35:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C5E-MED-L1-DN-C5E-DG-230414-P-SS	483492-051	WIPE	N	3546	4/14/2023 3:30:00 PM	S2AVE
AFRAME-C5E-MED-L1-HS-3-230414-P-A	483492-027	WIPE	N	3546	4/14/2023 3:00:00 PM	S2AVE
AFRAME-C5E-MED-L1-INT-0 TO 1-230414-P-FB	483492-053	WIPE	N	3546	4/14/2023 3:15:00 PM	S2AVE
AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-P-SS	483492-038	WIPE	N	3546	4/14/2023 1:30:00 PM	S2AVE
AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-P-LA	483492-040	WIPE	N	3546	4/14/2023 1:40:00 PM	S2AVE
AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-P-LA	483492-005	WIPE	N	3546	4/14/2023 2:30:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/6/2023) **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: 483449

Laboratory: Enthalpy Orange

EDD Filename: Prep483449

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 483488

Laboratory: Enthalpy Orange

EDD Filename: Prep483488

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 483492
EDD Filename: Prep483492

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

483449

LDC #: 56623A3b

SDG #: 483449

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 5/19/23

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A/A	%D ≤ 20 ICV ≤ 20 F1 15 %
III.	Continuing calibration	A	CCV ≤ 20 15 %
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1,7	A /A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS 1,7
IX.	Field duplicates	ND	D = 5,6 8,9
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	MI
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C5E-LAT-L3-UP-C5.2-VS-230414-P-LA	483449-001	Wipe	04/14/23
2	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-P-CB	483449-003	Wipe	04/14/23
3	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-P-WF	483449-005	Wipe	04/14/23
4	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-P-WF	483449-008	Wipe	04/14/23
5	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-LA	483449-011	Wipe	04/14/23
6	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-P-DUP-LA	483449-012	Wipe	04/14/23
7	AFRAME-C4E-MED-L3-INT-0 TO 1-230414-P-WF	483449-014	Wipe	04/14/23
8	AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-LA	483449-016	Wipe	04/14/23
9	AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-P-DUP-LA	483449-017	Wipe	04/14/23
10	AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-P-LA	483449-019	Wipe	04/14/23
11	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-P-WF	483449-021	Wipe	04/14/23
12	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-P-LA	483449-023	Wipe	04/14/23
13				

Notes:

	3/2006						

LDC #: 96623A3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) < ~~20%~~? FT 15%	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily? FT	✓			
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?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 56623A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC_____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (250 std)	Recalculated CF (250 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	4/7/23	1260-1 ch A	0.0680	0.0680	0.0666	0.0666	18	18
			1260-1 ch B	0.0587	0.0587	0.0571	0.0571	14	14
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56623A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	4/18/23 0953	Aroclor 1260 ChA	500.0	570.5	570.5	14	14
			↓ ChB	↓	550.5	550.5	10	10
2	CCV	4/19/23 0113	↓	500.0	536.2	536.2	7	7
			↓	↓	485.5	485.5	3	3
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56623A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	col B	50	38.4031	77	77	0
DCB	↓	↓	25.7522	52	52	↓

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 #: 56623A3b

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: 312006 LCS 1D

Compound	Spike Added (ug/100 gm²)		Spike Sample Concentration (ug/100 cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.020	4.782	100	100	96	96	5	5

Comments: _____

LDC #: 56623A3b

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. 312006 LCS Aroclor 1260

Concentration = $\frac{501.924 \quad (10)}{(1)(1000)}$ =

= 5.01924

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/1000gm)	Qualifications
	LCS	Aroclor 1260	5.020	5.01924	
	1260-1 = ~~3861268.19~~			1260-1 = 523.82	
	1199 4392.807 (20.0)		= 523.82	2 = 491.9	
	(8020248.071)(0.0571)			3 = 520.5	
				4 = 501.7	
				5 = 471.4	
				501.924	

Comments: _____

LDC #: 56623A4b

SDG #: 483449

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 06/06/23

Page: 1 of 1

Reviewer: JC

2nd Reviewer: RM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	~~A~~ SW	
IV.	Laboratory Blanks	~~A~~	
V.	Field Blanks	~~A~~ N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(3,4), (5,6)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C5E-LAT-L3-UP-C5.2- VS-230414-L-LA	483449-002	Wipe	04/14/23
2	AFRAME-C5E-MED-L3-UP-C5.6-HM-230414-L-CB	483449-004	Wipe	04/14/23
3	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-WF	483449-006	Wipe	04/14/23
4	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-DUP-WF	483449-007	Wipe	04/14/23
5	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-WF	483449-009	Wipe	04/14/23
6	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-DUP-WF	483449-010	Wipe	04/14/23
7	AFRAME-C5E-MED-L3-DN-C5.6-DG-230414-L-LA	483449-013	Wipe	04/14/23
8	AFRAME-C4E-MED-L3-INT-0 TO 1-230414-L-WF	483449-015	Wipe	04/14/23
9	AFRAME-C3E-LAT-L3-UP-C3E-DG-230414-L-LA	483449-018	Wipe	04/14/23
10	AFRAME-C3E-LAT-L3-DN-C3.3-DG-230414-L-LA	483449-020	Wipe	04/14/23
11	AFRAME-C3E-LAT-L3-EXT-0 TO 1-230414-L-WF	483449-022	Wipe	04/14/23
12	AFRAME-C5E-LAT-L3-DN-C5.3-DG-230414-L-LA	483449-024	Wipe	04/14/23
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	x			
Were all water samples preserved to a pH of <2.			x	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			x	
Were %RSDs of isoptoes in the tuning solution ≤5%?			x	
III. Calibration				
Were all instruments calibrated daily?	x			
Were the proper standards used?	x			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	x			
Were the low level standard checks within 70-130%?			x	
Were all initial calibration correlation coefficients within limits as specifed by the method?	x			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	x			
Was there contamination in the method blanks?		x		
Was there contamination in the initial and continuing calibration blanks?		x		
V. Interference Check Sample				
Were the interference check samples performed daily?	x			
Were the AB solution recoveries within 80-120%?	x			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			x	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			x	
VII. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	x			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	x			

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			x	
If the recoveries were outside the limits, was a reanalysis performed?			x	
IX. Serial Dilution				
Were all percent differences <10%?			x	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			x	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	x			
Were all soil samples dry weight corrected?			x	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	x			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	x			
Were target analytes detected in the field duplicates?	x			
XIII. Field Blanks				
Were field blanks identified in this SDG?		x		
Were target analytes detected in the field blanks?			x	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit	Associated Samples	Qualification*	Det/ND
4/17/2023	16:22	ICSA	Pb	-0.007288	0.003333	all	no qual, samples interferents < ICSA	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 30)	Qualifiers (Parents Only)
	3	4		
Lead	160	170	6	

Analyte	Concentration (ug/ft2)		RPD (≤ 30)	Qualifiers (Parents Only)
	5	6		
Lead	67	77	14	

Field Duplicate RPD Report

Lab Reporting Batch ID: 483449 **Laboratory: Enthalpy Orange**

EDD Filename: Prep483449 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-	AFRAME-C4E-LAT-L3-EXT-1 TO 2-230414-L-			
LEAD	160	170	6	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-	AFRAME-C3E-MED-L3-INT-1 TO 2-230414-L-			
LEAD	67	77	14	100.00	No Qualifiers Applied

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	1.012	1	101.2	101	Y
CCV	ICP	Pb	1.039	1	103.9	104	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.088	1	108.8	109	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST
Quality Control Sample Recalculations

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)
	LCS	Pb	58	50	116	116	Y
	MS						
	Duplicate						
	PDS						
	Serial dilution						

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification

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) / (Percent solids x Initial weight)

Sample ID	Analyte	Raw Data (~~ug/ft2~~ mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (ml)	Percent solids (%)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	1.263	1	1	50	100	63	63.15	Y
2	Pb	0.6452	1	1	50	100	32	32.26	Y
3	Pb	3.192	1	1	50	100	160	159.6	Y
4	Pb	3.36	1	1	50	100	170	168	Y
5	Pb	1.33	1	1	50	100	67	66.5	Y
6	Pb	1.548	1	1	50	100	77	77.4	Y
7	Pb	2.349	1	1	50	100	120	117.45	Y
8	Pb	1.934	1	1	50	100	97	96.7	Y
9	Pb	1.377	1	1	50	100	69	68.85	Y
10	Pb	3.413	1	1	50	100	170	170.65	Y
11	Pb	3.455	1	1	50	100	170	172.75	Y
12	Pb	2.364	1	1	50	100	120	118.2	Y

Quality Control
Outlier Reports

483488

LDC #: 56623B3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/10/2023

SDG #: 483488

Page: of

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: 1st

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 10/11
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C5E-DG-5 TO 5.5-UP-C5.3-HS-230414-P-LA	483488-001	Wipe	04/14/23
2	ARCH-C4E-PS-5.5-230414-P-G	483488-003	Wipe	04/14/23
3	ARCH-C3E-PS-5.5-230414-P-G	483488-005	Wipe	04/14/23
4	ARCH-C5E-DG-5.5 TO 6-DN-C5.1-DG-230414-P-LA	483488-007	Wipe	04/14/23
5	ARCH-C5E-DG-6 TO 6.5-230414-P-FB	483488-009	Wipe	04/14/23
6	ARCH-C3E-DG-6 TO 6.5-UP-C3.1-VS-230414-P-LA	483488-011	Wipe	04/14/23
7	ARCH-C5E-DG-6 TO 6.5-DN-C5.6-VS-230414-P-LA	483488-013	Wipe	04/14/23
8	ARCH-C5E-PS-6.5-230414-P-G	483488-015	Wipe	04/14/23
9	ARCH-C3E--PS-6.5-230414-P-G	483488-017	Wipe	04/14/23
10	ARCH-C3E-DG-7 TO 7.5-UP-C3.7-DG-230414-P-LA	483488-019	Wipe	04/14/23
11	ARCH-C3E-DG-7 TO 7.5-UP-C3.7-DG-230414-P-DUP-LA	483488-020	Wipe	04/14/23
12	ARCH-C4E-DG-7 TO 7.5-230414-P-FB	483488-022	Wipe	04/14/23
13	ARCH-C3E-EXT-7 TO 8-230414-P-WF	483488-024	Wipe	04/14/23
14	ARCH-C5E-EXT-8 TO 9-230414-P-WF	483488-027	Wipe	04/14/23
15	ARCH-C3E-DG-7.5-TO 9-UP-C3.3-VS-230414-P-LA	483488-029	Wipe	04/14/23
16				
17				

LDC #: 56623B4b

SDG #: 483488

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 6/6/2023

Page: of

Reviewer: ABN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 12/13
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C5E-DG-5 TO 5.5-UP-C5.3-HS-230414-L-LA	483488-002	Wipe	04/14/23
2	ARCH-C4E-PS-5.5-230414-L-G	483488-004	Wipe	04/14/23
3	ARCH-C3E-PS-5.5-230414-L-G	483488-006	Wipe	04/14/23
4	ARCH-C5E-DG-5.5 TO 6-DN-C5.1-DG-230414-L-LA	483488-008	Wipe	04/14/23
5	ARCH-C5E-DG-6 TO 6.5-230414-L-FB	483488-010	Wipe	04/14/23
6	ARCH-C3E-DG-6 TO 6.5-UP-C3.1-VS-230414-L-LA	483488-012	Wipe	04/14/23
7	ARCH-C5E-DG-6 TO 6.5-DN-C5.6-VS-230414-L-LA	483488-014	Wipe	04/14/23
8	ARCH-C5E--PS-6.5-230414-L-G	483488-016	Wipe	04/14/23
9	ARCH-C3E--PS-6.5-230414-L-G	483488-018	Wipe	04/14/23
10	ARCH-C3E-DG-7 TO 7.5-UP-C3.7-DG-230414-L-LA	483488-021	Wipe	04/14/23
11	ARCH-C4E-DG-7 TO 7.5-230414-L-FB	483488-023	Wipe	04/14/23
12	ARCH-C3E-EXT-7 TO 8-230414-L-WF	483488-025	Wipe	04/14/23
13	ARCH-C3E-EXT-7 TO 8-230414-L-DUP-WF	483488-026	Wipe	04/14/23
14	ARCH-C5E-EXT-8 TO 9-230414-L-WF	483488-028	Wipe	04/14/23
15	ARCH-C3E-DG-7.5 TO 9-UP-C3.3-VS-230414-L-LA	483488-030	Wipe	04/14/23
16				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 483488 **Laboratory: Enthalpy Orange**

EDD Filename: Prep483488 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C3E-EXT-7 TO 8-230414-L-WF (TOT)	**ARCH-C3E-EXT-7 TO 8-230414-L-DUP-WF**			
LEAD	220	210	5	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

483492

LDC #: 56623C3b

SDG #: 483492

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 06/06/2023

Page: 1 of 2

Reviewer: MN

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB= 31, 32
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 6/7, 15/16
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-P-LA	483492-001	Wipe	04/14/23
2	AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-P-I	483492-003	Wipe	04/14/23
3	AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-P-LA	483492-005	Wipe	04/14/23
4	AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-P-FB	483492-007	Wipe	04/14/23
5	AFRAME-C4E-MED-L2-INT-1 TO 2-230414-P-FB	483492-010	Wipe	04/14/23
6	AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-LA	483492-012	Wipe	04/14/23
7	AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-P-DUP-LA	483492-013	Wipe	04/14/23
8	AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-P-WF	483492-015	Wipe	04/14/23
9	AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-P-LA	483492-017	Wipe	04/14/23
10	AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-P-LA	483492-019	Wipe	04/14/23
11	AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-P-FB	483492-021	Wipe	04/14/23
12	AFRAME-C3E-MED-L1-HS-3-230414-P-G	483492-023	Wipe	04/14/23
13	AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-P-I	483492-025	Wipe	04/14/23
14	AFRAME-C5E-MED-L1-HS-3-230414-P-A	483492-027	Wipe	04/14/23
15	AFRAME-C4E-LAT-L1-HS-3-230414-P-A	483492-029	Wipe	04/14/23
16	AFRAME-C4E-LAT-L1-HS-3-230414-P-DUP-A	483492-030	Wipe	04/14/23
17	AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-P-I	483492-032	Wipe	04/14/23

LDC #: 56623C3b

SDG #: 483492

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

Page: of

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C3E-LAT-L1-HS-3-230414-P-A	483492-034	Wipe	04/14/23
19	AFRAME-C3E-MED-L1-UP-C3.6-DG-2304174-P-SS	483492-036	Wipe	04/14/23
20	AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-P-SS	483492-038	Wipe	04/14/23
21	AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-P-LA	483492-040	Wipe	04/14/23
22	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-P-WF	483492-042	Wipe	04/14/23
23	AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-P-FB	483492-045	Wipe	04/14/23
24	AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-P-LA	483492-047	Wipe	04/14/23
25	AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-P-WF	483492-049	Wipe	04/14/23
26	AFRAME-C5E-MED-L1-DN-C5E-DG-230414-P-SS	483492-051	Wipe	04/14/23
27	AFRAME-C5E-MED-L1-INT-0 TO 1-230414-P-FB	483492-053	Wipe	04/14/23
28	AFRAME-C3E-MED-L1-DN-C3E-DG-230414-P-SS	483492-055	Wipe	04/14/23
29	AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-P-CB	483492-057	Wipe	04/14/23
30	AFRAME-C3E-MED-L1-INT-0 TO 1-230414-P-FB	483492-059	Wipe	04/14/23
31	230414-P-MEDBLANK1	483492-061	Wipe	04/14/23
32	230414-P-MEDBLANK2	483492-063	Wipe	04/14/23
33	AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-P-LA	483492-066	Wipe	04/14/23
34				
35				
36				

Notes:

Field Blank Outlier Report

Lab Reporting Batch ID: 483492 **Laboratory: Enthalpy Orange**

EDD Filename: Prep483492 **eQAPP Name:**

Method: **6010B**
Matrix: **WIPE**

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
230414-L-MEDBLANK1(RES)	4/14/2023 9:35:00 AM	LEAD	2.2 ug/ft2	230414-L-MEDBLANK2 AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-L-CB AFRAME-C3E-LAT-L1-HS-3-230414-L-A AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-L-FB AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-L-LA AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-L-I AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-L-LA AFRAME-C3E-MED-L1-DN-C3E-DG-230414-L-SS AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-L-WF AFRAME-C3E-MED-L1-HS-3-230414-L-G AFRAME-C3E-MED-L1-INT-0 TO 1-230414-L-FB AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-L-LA AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-L-SS AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-L-LA AFRAME-C4E-LAT-L1-HS-3-230414-L-A AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-L-FB AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-L-WF AFRAME-C4E-MED-L2-INT-1 TO 2-230414-L-FB AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-DUP-WF AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-WF AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-L-I AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-L-LA AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-DUP-FB AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-FB AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-L-I AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-L-LA AFRAME-C5E-MED-L1-DN-C5E-DG-230414-L-SS AFRAME-C5E-MED-L1-HS-3-230414-L-A AFRAME-C5E-MED-L1-INT-0 TO 1-230414-L-FB AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-L-SS AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-L-LA AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-L-LA

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 56623C4b
SDG #: 483492
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 06/06/2023
Page: 1 of 2
Reviewer: BM
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB= 31, 32
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 4/5, 21/22
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C5E-LAT-L3-DN-C5.1-DG-230414-L-LA	483492-002	Wipe	04/14/23
2	AFRAME-C5E-LAT-L2-UP-C5.6-VS-230414-L-I	483492-004	Wipe	04/14/23
3	AFRAME-C5E-MED-L2-DN-C5.4-DG-230414-L-LA	483492-006	Wipe	04/14/23
4	AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-FB	483492-008	Wipe	04/14/23
5	AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-DUP-FB	483492-009	Wipe	04/14/23
6	AFRAME-C4E-MED-L2-INT-1 TO 2-230414-L-FB	483492-011	Wipe	04/14/23
7	AFRAME-C3E-LAT-L2-DN-C3.4-DG-230414-L-LA	483492-014	Wipe	04/14/23
8	AFRAME-C4E-MED-L1-EXT-2 TO 3-230414-L-WF	483492-016	Wipe	04/14/23
9	AFRAME-C5E-LAT-L1-UP-C5E-DG-230414-L-LA	483492-018	Wipe	04/14/23
10	AFRAME-C3E-MED-L1-UP-C3.1-VS-230414-L-LA	483492-020	Wipe	04/14/23
11	AFRAME-C3E-LAT-L1-INT-2 TO 3-230414-L-FB	483492-022	Wipe	04/14/23
12	AFRAME-C3E-MED-L1-HS-3-230414-L-G	483492-024	Wipe	04/14/23
13	AFRAME-C5E-LAT-L1-UP-C5.1-VS-230414-L-I	483492-026	Wipe	04/14/23
14	AFRAME-C5E-MED-L1-HS-3-230414-L-A	483492-028	Wipe	04/14/23
15	AFRAME-C4E-LAT-L1-HS-3-2304174-L-A	483492-031	Wipe	04/14/23
16	AFRAME-C3E-LAT-L1-UP-C3.7-VS-230414-L-I	483492-033	Wipe	04/14/23
17	AFRAME-C3E-LAT-L1-HS-3-230414-L-A	483492-035	Wipe	04/14/23

LDC #: 56623C4b

SDG #: 483492

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 06/04/2023

Page: 2 of 2

Reviewer: MBn

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C3E-MED-L1-UP-C3.6-DG-230414-L-SS	483492-037	Wipe	04/14/23
19	AFRAME-C5E-MED-L1-UP-C5.6-DG-230414-L-SS	483492-039	Wipe	04/14/23
20	AFRAME-C5E-MED-L1-UP-C5.7-HS-230414-L-LA	483492-041	Wipe	04/14/23
21	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-WF	483492-043	Wipe	04/14/23
22	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-DUP-WF	483492-044	Wipe	04/14/23
23	AFRAME-C4E-LAT-L1-INT-1 TO 2-230414-L-FB	483492-046	Wipe	04/14/23
24	AFRAME-C3E-LAT-L1-UP-C3.7-HS-230414-L-LA	483492-048	Wipe	04/14/23
25	AFRAME-C3E-MED-L1-EXT-1 TO 2-230414-L-WF	483492-050	Wipe	04/14/23
26	AFRAME-C5E-MED-L1-DN-C5E-DG-2130414-L-SS	483492-052	Wipe	04/14/23
27	AFRAME-C5E-MED-L1-INT-0 TO 1-230414-L-FB	483492-054	Wipe	04/14/23
28	AFRAME-C3E-MED-L1-DN-C3E-DG-230414-L-SS	483492-056	Wipe	04/14/23
29	AFRAME-C3E-LAT-L1-DN-C3E-DG-230414-L-CB	483492-058	Wipe	04/14/23
30	AFRAME-C3E-MED-L1-INT-0 TO 1-230414-L-FB	483492-060	Wipe	04/14/23
31	230414-L-MEDBLANK1	483492-062	Wipe	04/14/23
32	230414-L-MEDBLANK2	483492-064	Wipe	04/14/23
33	AFRAME-C3E-MED-L2-DN-C3.7-VS-230414-L-LA	483492-065	Wipe	04/14/23
34				
35				
36				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 483492

Laboratory: Enthalpy Orange

EDD Filename: Prep483492

Moffett_Hangar_1_NTCRA_Enthalpy_230403

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230414-L-MEDBLANK1	2.2	No Qualifiers Applied
	230414-L-MEDBLANK2	0.91	

Field Duplicate RPD Report

Lab Reporting Batch ID: 483492 **Laboratory: Enthalpy Orange**

EDD Filename: Prep483492 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-	AFRAME-C5E-LAT-L1-EXT-1 TO 2-230414-L-			
LEAD	56	69	21	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-	AFRAME-C5E-LAT-L2-INT-1 TO 2-230414-L-			
LEAD	370	140	90	100.00	No Qualifiers Applied